

# Olga Pombo

## *Curriculum Vitæ*

### **Contact**

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Prof. Dr. Olga Pombo

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## **Education**

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- 2009 – Aggregation in History and Philosophy of Science, University of Lisbon with the lesson “Tarefas da Epistemologia e Filosofia das Ciências para o século XXI” (“Tasks for Epistemology and Philosophy of Science in the 21st Century”).
- 1998 - PhD in Philosophy by the Faculty of Sciences of the University of Lisbon, with the Dissertation: “Unidade da Ciência e Configuração Disciplinar dos Saberes” (“Unity of Science and Disciplinary Configuration of Knowledge”).
- 1986 - Master in “Modern Philosophy” by the Faculty of Human and Social Sciences, New University of Lisbon, with the Dissertation “Leibniz e o Problema de uma Língua Universal” (“Leibniz and the Problem of a Universal Language”).
- 1982 - Post-Graduation in “Modern Philosophy” by Faculty of Human and Social Sciences, New University of Lisbon
- 1971 – Graduation in “Philosophy” by the Faculty of Letters, University of Lisbon.
- 1970 – Bachelor in “Pedagogical Sciences”, Faculty of Letters of the University of Lisbon.

## **Research fields and areas of interest**

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- Philosophy of Science (Unity of Science, Interdisciplinarity)
- Philosophy of Knowledge and General Epistemology
- Science and Art
- Philosophy of Image
- Philosophy of Language
- Leibniz, Neurath, Hobbes, Rousseau
- Philosophy of Science Teaching and of Philosophy Teaching
- Philosophy of School

## **Professional career**

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- 2014-2016 - Program Director of the “International Doctoral Program on Philosophy of Science, Technology, Art and Society” (PD-FCTAS) funded by Portuguese Foundation for Science and Technology (FCT).
- 2009 – 2016 - Professor with Aggregation of the Faculty of Sciences of the University of Lisbon, Department for History and Philosophy of Science, since the 9th June 2009 up until retirement, the 1st January 2016.
- 2007 - 2009 – Professor (Auxiliary with definitive nomination) of the Faculty of Sciences of the University of Lisbon, Department for History and Philosophy of Science, since its creation at 1st August 2007.
- 2002 - 2007 - Professor (Auxiliary with definitive nomination) of the Faculty of Sciences of the University of Lisbon, Department of Education, since the 26th March 2003
- 1998 - 2002 - Professor (Auxiliary) of the Faculty of Sciences of the University of Lisbon, Department of Education.
- 1988 - 1998 – Professor (Effective) of the Faculty of Sciences of the University of Lisbon, Department of Education.
- 1984 - 1988 – Assistant Professor of the Faculty of Sciences of the University of Lisbon, Department of Education (selected by public application).
- 1980 - 1984 – Teacher (Effective) of Philosophy of the D. Pedro V Secondary School, Lisbon.
- 1980 - 1984 – National Counsellor for the Teaching of Philosophy (selected by national public call).
- 1979 - 1980 – Teacher (Effective) of Philosophy of the Coruche Secondary School.
- 1979 - 1980 - Nominated as Local Stage Supervisor for the teaching of Philosophy at the D. Pedro V Secondary School, Lisbon.

- 1973 - 1979 – Teacher (Aggregated) of Philosophy of the D. Pedro V Secondary School, Lisbon.
- 1973 - “Certified Philosophy Teacher”, National State Examination at Camões Secondary School, Lisbon.
- 1972 - 1973 – Classical Stage for the Teaching of Philosophy, D. Pedro V Secondary School, Lisbon.
- 1970 - 1972 – Teacher (assistant) of Philosophy and History at the M. Amália Vaz de Carvalho Secondary School, Lisbon.

### **Academic administrative activities**

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- President of the Department for History and Philosophy of Science of the Faculty of Sciences of the University of Lisbon (elected the 27th September 2007 up until the 3th July 2009, re-elected the 3rd July 2009 up until July 2012).
- Member of the Scientific Council of the Faculty of Sciences of the University of Lisbon (2007-2012).
- Member of the Coordination Council of the Faculty of Sciences of the University of Lisbon (2007-2009; 2009-2012).
- Member of the Scientific Commission of the Department of Education, Faculty of Sciences of the University of Lisbon (1998-2007).
- Member of the Pedagogical Council of the Department of Education, Faculty of Sciences of the University of Lisbon (1996 –1998).
- Member of the Scientific Council of the Department of Education of the Faculty of Sciences of the University of Lisbon (1987-1996).
- Member of the Assembly of Representatives of the Faculty of Sciences of the University of Lisbon (1986 - 1988).

## Publications

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### Dissertations

- Pombo, Olga, 1986 - *Leibniz e o Problema de uma Língua Universal / Leibniz and the Problem of a Universal Language* (Master thesis in “Modern Philosophy” at the Faculty of Human and Social Sciences of the New University of Lisbon)  
< <http://webpages.fc.ul.pt/~ommartins/leibniz/leibnizcont.htm>>
- Pombo, Olga, 1998 - *Unidade da Ciência e Configuração Disciplinar dos Saberes. Contributos para uma Filosofia do Ensino / Unity of Science and Disciplinar Configuration of Knowledge. Contributions to a Philosophy of Teaching* (PhD thesis in “History and Philosophy of Education” at the University of Lisbon)  
<<http://webpages.fc.ul.pt/~ommartins/investigacao/tese.htm>>

### Books (author)

1. Pombo, Olga, *Leibniz and the Problem of a Universal Language*, Münster: Nodus Publikationen, 1987, 321 pp. ISBN 3-89323-303-2.
2. Pombo, Olga, with Teresa Levy and Henrique Guimarães, *A Interdisciplinaridade: Reflexão e Experiência I (Interdisciplinarity: reflection and experience I)*, Lisbon: ed. Texto, 1st edition, 1993, 96 pp. ISBN 972-47-0462-9. 2nd revised edition, 1994, 102 pp. ISBN 978-9724704623.
3. Pombo, Olga, *Leibniz e o Problema de uma Língua Universal* (portuguese translation of “*Leibniz and the problem of a universal language*”), Lisbon: ed. Junta Nacional de Investigação Científica e Tecnológica, 1997, 320 pp. ISBN: 972-9493-29-4.
4. Pombo, Olga, *Quatro Textos Excêntricos. Hannah Arendt, Eric*

- Weil, Bertrand Russell e Ortega Y Gasset (Four Eccentric Texts. Hannah Arendt, Eric Weil, Bertrand Russell and Ortega Y Gasset)*, Lisbon: Relógio d'Água, 2000, 105 pp. ISBN: 9789727085699.
5. Pombo, Olga, *A Escola, a Recta e o Círculo (The School, the Straight line and the Circle)*, Lisbon: Relógio d'Água, 2002, 316 pp. ISBN: 9789727086788.
  6. Pombo, Olga, *Interdisciplinaridade: A-mbições e Limites (Interdisciplinarity: Ambitions and Limits)*, Lisbon: Relógio d'Água, 2004, 203 pp. ISBN: 9789727088140.
  7. Pombo, Olga, *Unidade da Ciência. Programas, Figuras e Metáforas, (Unity of Science. Programs, Figures and Metaphors)*, Lisbon: Duarte Reis, 2006, 324 pp. ISBN: 972-8745-27-3 (2nd edition, Lisbon: CFCUL/Gradiva, 2011, 343 pp. ISBN: 978-989-8247-41-4).
  8. Pombo, Olga, *Palavra e Esplendor do Mundo. Estudos sobre Leibniz (Word and World Splendor. Studies on Leibniz)*, Lisbon: Fim de Seculo, 2010, 300 pp. ISBN: 978-972-754-280-2.
  9. Olga Pombo; Catarina Nabais; Cristina Tavares; Manuel Valente Alves; Marco Pina; Pedro Silva; Ricardo Santos; Silvia Di Marco, *CorpoIMAGEM - Representações do Corpo na Ciência e na Arte (bodyIMAGE – Body representations in Science and Art)*, Lisbon: Ciência Viva, 2011, 27 pp.
  10. Pombo, Olga, *Os Círculos do Saber (The Circles of Knowledge)*, Lisbon: CFCUL/Gradiva, 2012, 314 pp. ISBN: 978-989-8247-53-7.
  11. Pombo, Olga, *Tarefas da Filosofia da Ciência para o Século XXI, (Tasks of the Philosophy of Science for the XXI century)*, Lisbon: CFCUL, 2013, 217 pp. ISBN: 978-989-8247-60-5.

## **Books (editor)**

1. Olga Pombo; Teresa Levy; Henrique Guimarães (eds), *Antologia I. Ciência Integrada, Interdisciplinaridade e Ensino Integrado das Ciências*, (*Anthology I. Integrated Science, Interdisciplinarity and Integrated Education in Science*), Lisbon: Mathesis / DEFCUL, 1990, 177 pp. DL: 44162.
2. Olga Pombo; Teresa Levy; Henrique Guimarães; José Manuel Conceição (eds), *Antologia II. Ciência Integrada, Interdisciplinaridade e Ensino Integrado das Ciências*, (*Anthology II. Integrated Science, Interdisciplinarity and Integrated Education in Science*), Lisbon: Mathesis / DEFCUL, 1992, 214 pp. DL: 56340/92.
3. Olga Pombo; Teresa Levy; Henrique Guimarães (eds), *Interdisciplinaridade. Antologia (Interdisciplinarity. Anthology)*, Porto: Campo das Letras, Col. Campo das Ciências 16 (2006), 303 pags. ISBN: 989-625-042-1.
4. Olga Pombo; António Guerreiro; António Franco Alexandre (eds), *Enciclopédia e Hipertexto (Encyclopaedia and Hypertext)*, Lisbon: Editora Duarte Reis (2006), 556 pags. ISBN: 972-8745-22-2.
5. Olga Pombo; Manuel Beirão; João Luís Cordovil (eds), *As Cartas de Problemática de António Sérgio (António Sérgio's 'Letters of the Problematic')*, 3º Caderno de Filosofia das Ciências, Lisbon: CFCUL (2006), 217 pp. ISBN: 972-99794.2.1.
6. Olga Pombo; Alexander Gerner (eds), *Abduction and the Process of Scientific Discovery*, Lisbon: CFCUL / Publidisa (2007), 386 pp. (series Documenta nº 1), ISBN: 264501/07.
7. Olga Pombo; Angel Nepomuceno (eds), *Lógica e Filosofia da Ciência (Logics and Philosophy of Science)*, Lisbon: CFCUL / CRUP (2009) 283 pp. (series Documenta, nº 2). ISBN: 978-989-8247-00-1.
8. Olga Pombo; Silvia di Marco (eds), *As Imagens com que*

- Ciência se Faz (The Images Science is Made Of)*, Lisbon: Fim de Século, 2010, 286 pp. ISBN: 978-972-754-279-6.
9. Olga Pombo; Alexander Gerner (eds.), *Studies in Diagrammatology and Diagram Praxis*, London: College Publications (2010), 224 pp. ISBN: 978-184-8900073.
  10. Olga Pombo; Shahid Rahman; John Symons; Juan Manuel Torres (eds.), *Unity of Science: New Approaches - Otto Neurath and the Unity of Science*, Dordrecht/Heidelberg/ London/New York: Springer, 2010, 250 pp. ISBN: 978-94-007-0142-7.
  11. Olga Pombo; Silvia di Marco; Marco Pina (eds), *Neuroaesthetics, Can Science explain Art?* Lisbon: Fim de Século, 2010, 175 pp. ISBN: 9789727542765.
  12. Olga Pombo (ed.), *Lógica Universal e Unidade da Ciência (Universal Logic and Unity of Science)*, Lisbon: CFCUL, 2011, 196 pp. ISBN: 978-989-8247-50-6.
  13. Olga Pombo; Marco Pina (eds), *Em torno de Darwin (On Darwin)*, Lisbon: Fim de Século, 2012, 187 pp. ISBN: 978-972-754-291-8.
  14. Olga Pombo; Shahid Rahman; John Symons; Juan Manuel Torres (eds.), *Special Sciences and the Unity of Science*, Dordrecht/Heidelberg/London/New York: Springer, 2012, 299 pp. ISBN: 978-94-007-2029-9, DOI: 10.1007/978-94-007-2030-5.
  15. Olga Pombo; J. Luis Cordovil (eds), *As Cartas de Problemática de António Sérgio dirigidas a um grupo de jovens amigos, alunos e alunas da Faculdade de Ciências (António Sérgio's 'Letters of the Problematic' directed at a group of young friends, alumni and students of the Faculty of Sciences)*, Lisbon: Fim de Seculo, 2012, 228 pp. ISBN: 978-972-754-294-9.
  16. Olga Pombo; Antonio Guerreiro (eds), *Da Civilização da Palavra à Civilização da Imagem (From word civilization to image civilization)*, Lisbon: Fim de Século, 2012, 186 pp. ISBN: 978-972-754-293-2.
  17. Olga Pombo; Nuno Melim (eds), *Rousseau e as Ciências*



- (*Rousseau and the Sciences*), Lisbon, CFCUL, 2013, 222 pp. ISBN: 978-989-8247-63-6.
18. Olga Pombo; Nuno Nabais (eds), *O Lugar da Filosofia da Ciência na Universidade de Lisboa (The place of Philosophy of Science in the University of Lisbon)*, Lisbon: CFCUL, 2013, 250 pp. ISBN: 978-989-8247-61-2.
  19. Juan Redmond, Olga Pombo; Ángel Nepomuceno (eds), *Epistemology, Knowledge and the Impact of Interaction*, Springer, vol. 38, Series Logic, Epistemology, and the Unity of Science, 2016, 554 pp. ISBN: 978-3-319-26504-9, DOI: 10.1007/978-3-319-26506-3.
  20. Olga Pombo; Gil Costa (eds), *Philosophy of Science in the XXI Century: Challenges and Tasks*, Lisbon: CFCUL, 2016, 352 pp. ISBN: 978-989-8247-72-8.
  21. Olga Pombo; Ricardo Santos (eds), *Afinal, o que é a Ciência? Relatório de um Projecto (What is it Science, after all? A project's report)*, Lisbon: CFCUL/Ciencia Viva, 2016, 122 pp. ISBN: 978-989-8247-70-4.
  22. Olga Pombo; Paulo Castro (eds), *Debates da Filosofia da Ciência Contemporânea (Debates of Contemporary Science)*, Lisbon: CFCUL, 2017, 392 pp. ISBN: 978-989-8247-75-9.
  23. Olga Pombo (ed), *Image in Science and Art*, Lisbon: Fim de Século, 2017, 231 pp. ISBN: 978-972-574-286-4.
  24. Olga Pombo (ed), *Modelos e Imagens (Models and Images)*, Lisbon: Fim de Século, 2018, 299 pp. ISBN: 978-972-754-287-1.
  25. Olga Pombo; Ana Pato; Juan Redmond (eds), *Epistemologia, Lógica e Linguagem (Epistemology, Logics and Language)*, Lisbon: CFCUL (Series Documenta 11), 2018, 189 pp. (in press).
  26. Olga Pombo; Catarina Nabais e Sara Fuentes (eds), *Representações do corpo na ciência e na Arte (Body Representation in Science and Art)*, Lisbon: Fim de Século, 2019 (in press).

## Chapters in international books

1. Pombo, Olga, "The leibnizian theory of representativity of the sign", in Niederehe, Hans-Joseph and Koerner, Konrad (eds), *History and Historiography of Linguistics*, vol. II, Amsterdam / Philadelphia: John Benjamins Publishing Company, 1990, pp. 447- 459 (series Studies in the History of the Language Sciences, 51).
2. Pombo, Olga, "The place of the *Dissertatio De Stylo Philosophico Nizolii* in the leibnizian praise of the German language", in Mirko Tavoni (org.), *Italia ed Europa nella Linguistica del Rinascimento*, Ferrara: Franco Cosimo Panini Editore/ Istituto di Studi Rinascimentali, 1996, vol. II, pp. 57-67.
3. Pombo, Olga, "Leibnizian strategies for the semantical foundation of the universal language", in Klaus D. Dutz and Stefano Gensini (eds), *Im Spiegel des Verstandes. Studien zu Leibniz*, Münster: Nodus Publikationen, 1996, pp. 161-171.
4. Pombo, Olga, "Leibniz and the encyclopaedic project", in Olga Pombo; António Guerreiro; António Franco Alexandre (eds), *Enciclopédia e Hipertexto*, Lisbon: Editora Duarte Reis 2006, pp. 252-265.
5. Pombo, Olga; Gerner, Alexander, "Preface", in Olga Pombo and Alexander Gerner, (eds), *Abduction and the Process of Scientific Discovery*, Lisbon: CFCUL / Publidisa, 2007, pp. 7-10.
6. Pombo, Olga, "Operativity and Representativity of the Sign in Leibniz", in Olga Pombo and Alexander Gerner (eds)(2010), *Studies in Diagrammatology and Diagram Praxis*, London: College Publications, 2010, pp. 1-11.
7. Pombo, Olga; Gerner, Alexander, "Preface", in Olga Pombo and Alexander Gerner (eds), *Studies in Diagrammatology and Diagram Praxis*, London: College Publications, 2010, pp. I-V.
8. Pombo, Olga, "Neurath and the Encyclopaedic Project of Unity

- of Science”, in Olga Pombo; John Symons; Juan Manuel Torres; (eds), *Unity of Science: New Approaches - Otto Neurath and the Unity of Science*, Dordrecht/Heidelberg/London/New York: Springer, 2010, pp. 57-68. DOI: 10.1007/978-94-007-0143-4\_5.
9. Pombo, Olga, “Neurath and the Unity of Science: Introduction”, in Olga Pombo; John Symons; Juan Manuel Torres (eds), *Unity of Science: New Approaches - Otto Neurath and the Unity of Science*, Dordrecht/Heidelberg/London/New York: Springer, 2010, pp. 1-11.
  10. Pombo, Olga, “The Great Discovery of Hobbes' Philosophy of Language” in David Fernández Duque; Emilio F. Gómez Caminero; Ignacion Hernández Antón (eds), *Estudios de Lógica, Lenguaje y Epistemología*, Sevilha: Fénix Editora, 2010, pp. 99-105.
  11. Pombo, Olga and di Marco, Silvia and Pina, Marco, “Introduction”, in Olga Pombo; Silvia di Marco; Marco Pina (erds), *Neuroaesthetics. Can Science explain art?* Lisbon: Fim de Século, 2010, pp. 9-20.
  12. Pombo, Olga, “[Dispersão e Unidade: para uma Poética da Simpatia](#)” (Dispersion and Unity: Towards a Poetics of Sympathy), in Lara, M. L. G.; Smit, J. W. (Orgs.), *Temas de Pesquisa em Ciência da Informação no Brasil*, São Paulo: Escola de Comunicações e Artes, Brazil, 2010, pp. 29-46.
  13. Professores” (Towards a Reflexive Model in Teacher Training), in Carlos A. dos Santos; Aline F. de Quadros (Orgs.), *Utopia em Busca de Possibilidade - abordagens interdisciplinares no ensino das ciências da Natureza*. UNILA: Foz do Iguaçu, Brazil, 2011, pp. 13-26.
  14. Pombo, Olga, “Epistemologia e Ensino das Ciências” (Epistemology and Science Teaching), in Carlos A. dos Santos; Aline F. de Quadros (Orgs.), *Utopia em Busca de Possibilidade - abordagens interdisciplinares no ensino das ciências da Natureza*. UNILA: Foz do Iguaçu, Brazil, 2011, pp. 27-49.

15. Pombo, Olga, "Three roots for Leibniz's contribution to the computational conception of reason", in Olga Pombo (ed.), *Lógica Universal e Unidade da Ciência*, Lisbon: CFCUL, 2011, pp.183-196.
16. Pombo, Olga, "Otto Neurath. Uma Comovente Figura de Filósofo do século XX" (Otto Neurath. A Touching Figure in Twentieth Century Philosophy), in Fernando Soler; Hans van Ditmarsch; Francisco Salguero (eds.), *Liber Amicorum Angel Nepomuceno*, Sevilha: Fênix Editora, 2010, pp. 109-116.
17. Pombo, Olga, "Leibniz: intuição e simbolismo" (Leibniz: Intuition and Symbolism), in L. F. Moreno; Francisco Salguero; Cristina Bares (eds.), *Ensayos sobre Lógica, Lenguage, Mente y Ciencia*. Sevilla: Alfar, 2012, pp. 233-242. DOI: 10.1400/198992.
18. Pombo, Olga; Nabais, Catarina; Pina, Marco; Di Marco, Silvia, "[Body-image: crossing Science and Art](#)", in Stuart Dunn; Jonathan P. Bowen; Kia Ng (Eds.). *EVA London 2012 - Electronic Visualisation and the Arts*, London: BCS, 2012, pp.282-283.
19. Pombo, Olga, "Unity of Science and Encyclopaedia: from the Idea to the Configurations", in Dana Riesenfeld; Giovanni Scarafile (eds.), *Perspectives on Theory of Controversies and The Ethics of Communication. Explorations of Marcelo Dascal's Contributions to Philosophy*, Springer, Series Logic, Argumentation & Reasoning, 2013, pp. 157-172. DOI: 10.1007/978-94-007-7131-4\_16.
20. Pombo, Olga, "Rousseau, la Science et la Paix avec le Monde", in Olga Pombo; Nuno Melim (eds), *Rousseau e as Ciências*, Lisbon, CFCUL, 2013, pp. 7-26.
21. Pombo, Olga, "Operativity and Representativity of the Sign in Leibniz", in Arnold Koslow; Arthur Buchsbaum (eds.), *The Road to Universal Logic. Festschrift for the 50th Birthday of Jean-Yves Béziau*, Volume II, Springer International Publishing, Studies in Universal Logic, 2015, pp. 557-564. DOI

- 10.1007/978-3-319-15368-1\_24.

22. Redmond, Juan; Pombo, Olga; Nepomuceno, Ángel, "Preface", in Juan Redmond; Olga Pombo; Ángel Nepomuceno (eds), *Epistemology, Knowledge and the Impact of Interaction*, Springer, vol. 38, Series Logic, Epistemology, and the Unity of Science, 2016, pp. v-xiii.
23. Pombo, Olga, "Bachelard: Ciência, Escola e Comunidade Científica" ("Bachelard: Science, School and Scientific Community"), in Z. Kotowicz (ed), *Bachelard. 50 ans après*, Lisbon: CFCUL, 2016, pp. 9-24.
24. Pombo, Olga, "Introduction", in Olga Pombo; Gil Costa (eds.), *Philosophy of Science in the XXI Century: Challenges and Tasks*, Lisbon: CFCUL, 2016, pp. 7-14.
25. Pombo, Olga, "Introduction", in Olga Pombo (edr), *Image in Science and Art*, Lisbon: Fim de Século, 2017, pp. 11-16.
26. Pombo, Olga, "Leibnizian Grounds for the Idea of Universal Machine", in C. Caleiro; F. Dionisio; P. Gouveia; P. Mateus; J. Rasga (eds), *Logic and Computation, Essays in honour of Amílcar Sernadas*, London: College Publications, 2017, pp. 337-351.
27. Pombo, Olga, "Bachelard et la cité savante", in Vincent Bomtemps (Dir.), *Bachelard et l'Avenir de la Culture, Du Surrationalisme à la Raison Créative*, Paris : Presses des Mines, 2018, 109-120.

### **Chapters in national books**

1. Pombo, Olga, « [Biobibliografia de Jean-Jacques Rousseau](#) » (Bio-bibliography of Jean-Jacques Rousseau), in *Jean-Jacques Rousseau, Catálogo de uma Exposição*, Lisbon: ed. Sociedade Portuguesa de Filosofia, 1979, pp. 5-44.
2. Pombo, Olga, "Notas sobre as instituições da Filosofia" (Notes on the institutions of Philosophy), in A. Cardoso (ed.), A

- Filosofia face à Cultura Tecnológica*, Coimbra: Associação de Professores de Filosofia, 1988, pp. 71-89.
3. Pombo, Olga, “Dilema do ensino da Filosofia” (The Dilemma of Philosophy Teaching), in Isabel Marnoto (org.), *Didáctica da Filosofia*, vol. 2, Lisbon, Open University, 1990, pp. 7-30.
  4. Pombo, Olga, “Hegel e a linguagem: estudo em forma de prefácio ou de introdução” (Hegel and language: a study in the form of preface or introduction), in *Dinâmica do Pensar: Homenagem a Oswaldo Market*, Lisbon: Departamento de Filosofia of the Faculty of Arts of the University of Lisbon, 1991, pp. 189-215.
  5. Pombo, Olga, “[Contribuição para um vocabulário sobre interdisciplinaridade](#)” (Contribution to a vocabulary of interdisciplinarity), in O. Pombo; T. Levy; H. Guimarães, *A Interdisciplinaridade: Reflexão e Experiência*, Lisbon: ed. Texto, 2nd edition (revised and augmented), 1994, pp. 92-97.
  6. Pombo, Olga, “[O meio é a mensagem](#)” (Medium is the Message), in Olga Pombo (org.), *McLuhan. A Escola e os Media*, 1º Caderno de História e Filosofia da Educação, Lisbon: ed. DEFCUL, 1994, pp. 40-50.
  7. Pombo, Olga, “A Matemática e o trabalho de 'dar a ver'” (Mathematics and the work of ‘showing’), in Henrique Guimarães (ed.), *Dez Anos de PROFMAT. Intervenções*, Lisbon: A.P.M., 1996, pp. 105-121.
  8. Pombo, Olga, “[Museu e biblioteca. A alma da escola](#)” (Museum and library. The soul of the school), in Olga Pombo (org.), *O Museu de Alexandria*, 4º Caderno de História e Filosofia da Educação, Lisbon: DEFCUL, 1997, pp. 3-21.
  9. Pombo, Olga, “Comunicação e Construção do Conhecimento” (Communication and the Construction of Knowledge), in Odete Valente (coord.), *Itinerários. Investigar em Educação*, Lisbon: CIE, 2000, pp. 755-760 (reprint).
  10. Pombo, Olga, “Biblioteca. A Alma da Escola” (Library. The soul of the school), in Odete Valente (coord.), *Itinerários. Investigar*



- em Educação*, Lisbon: CIE, 2000, pp. 755-760 (reprint).
11. Pombo, Olga, “[Universidade. Regresso ao Futuro de uma Ideia](#)” (University. Back to the Future of an Idea), in Odete Valente (coord.), *Itinerários. Investigar em Educação*, Lisbon: CIE, 2000, pp. 903-912).
  12. Pombo, Olga, “[A Escola como Memória do Futuro](#)” (The School as Memory of the Future), in Odete Valente (coord.), *Itinerários. Investigar em Educação*, Lisbon: CIE, 2001, pp. 151-156.
  13. Pombo, Olga, "Leibniz and the Encyclopaedic Project", in Odete Valente (coord.), *Itinerários. Investigar em Educação*, Lisbon: CIE, 2002, pp. 155-163 (reprint).
  14. Pombo, Olga, “[O Insuportável Brilho da Escola](#)” (The Unbearable Brightness of the School), in Alain Renaut et alii (eds.), *Direitos e Responsabilidades na Sociedade Educativa*, Lisbon: Fundação Calouste Gulbenkian, 2003, pp. 31-59.
  15. Pombo, Olga, “[Epistemologia da Interdisciplinaridade](#)” (Epistemology of Interdisciplinarity), in Carlos Pimenta (Coord.), *Interdisciplinaridade, Humanismo Universidade*, Porto: Campo das Letras, 2004, pp. 93-124.
  16. Pombo, Olga, “Clássicos: inevitáveis!” (Classics: inevitable!), in *Bloco de Nautas. XVI Encontro de Literatura para Crianças*, Lisbon: Fundação Calouste Gulbenkian, 2005, pp.149-185.
  17. Pombo, Olga, “Enciclopédia e Hipertexto. O Projecto” (Encyclopaedia and Hypertext. The Project), in Olga Pombo; Antonio Guerreiro; Antonio Franco Alexandre (eds), *Enciclopédia e Hipertexto*, Lisbon: Editora Duarte Reis, 2006, pp.180-193.
  18. Pombo, Olga, “Para uma História da Ideia de Enciclopédia” (Towards an History of the Idea of Encyclopedia), in Olga Pombo; Antonio Guerreiro; Antonio Franco Alexandre (eds), *Enciclopédia e Hipertexto*, Lisbon: Editora Duarte Reis, 2006, pp.194-251.
  19. Pombo, Olga, “[Hipertexto como limite da ideia de enciclopédia](#)” (Hypertexts as the limit of the idea of encyclopedia), in Olga

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## **Editorial activity**

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### **Journal editor**

- Founder and Director of “*Kairos. Journal of Philosophy & Science*”, CFCUL/De Gruyter (since 2010)  
<https://www.degruyter.com/view/j/kjps.2017.18.issue-1/issue-files/kjps.2017.18.issue-1.xml>
- Co-founder and co-editor of the journal “*Filosofia*”, edited by the Portuguese Society for Philosophy (SPF) (1985 – 1990)

### **Book series editor**

- Director of the Book Series "A Imagem na Ciência e na Arte" ("The Image in Science and Art.") Lisbon: Fim de Seculo (11 volumes published, 1 in print).
- Director of the Book Series "Cadernos de Filosofia da Ciência" ("Booknotes on Philosophy of Science") Lisbon: CFCUL (13 published volumes).

- Director of the Book Series "Documenta", Lisbon: CFCUL (11 published volumes).
- Director of the Book Series "Thesis", Lisbon: CFCUL (7 published volumes).
- Co-editor (with Nathalie Gonthier) of the Springer Book Series "Interdisciplinary Evolution Research" (5 published volumes).

### **Sites and webpages editor**

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- Pombo, Olga (ed), *Grandes Matemáticos / Great Mathematicians* (work in progress)  
<<http://www.educ.fc.ul.pt/docentes/opombo/seminario/matematicos.htm>>
- Pombo, Olga (ed), *Articulações da Matemática / Articulations of Mathematics* (work in progress)  
<<http://www.educ.fc.ul.pt/docentes/opombo/seminario/articulacoes.htm>>
- Pombo, Olga, *Representações da Leitura / Representations of Reading* (image platform, work in progress)  
<<http://www.educ.fc.ul.pt/docentes/opombo/album/index.htm>>
- Pombo, Olga, *Biobibliografia de Jean-Jacques Rousseau* (1979)  
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- Pombo, Olga, *Convite à Leitura de Rousseau / Invitation for reading Rousseau* (hypertext, 1995)  
<<http://www.educ.fc.ul.pt/docentes/opombo/investigacao/utopias.htm>>
- Pombo, Olga, *Recordar Agostinho da Silva: 10 anos Depois / Remebering Agostinho da Silva: 10 years after* (hypertexto, 1999)  
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- /Encyclopedia and hypertext. Starting point (hypertext, 2002)*  
<http://www.educ.fc.ul.pt/hyper/ency.htm#hipótese>
- Pombo, Olga, *O projecto enciclopedista / The encyclopedist project (hypertexto, 2002)*  
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  - Pombo, Olga, *Para uma história da ideia de enciclopédia. Alguns exemplos / For an history of the Idea of Encyclopedia. Some examples (hypertext, 2002)*  
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  - Pombo, Olga, *“Protágoras” de Platão – hypertext on Plato’s Protagoras full text, revised and commented (2002)*  
<http://www.educ.fc.ul.pt/docentes/opombo/hfe/protagoras2/index/index1.htm>
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<http://www.educ.fc.ul.pt/hyper/enciclopedia/cap3p1/especificidade.htm>
  - Pombo, Olga, *Lugares da escola / Places of the School (2003)*  
<http://www.educ.fc.ul.pt/docentes/opombo/hfe/lugares/index.html>
  - Pombo, Olga, *Apontamentos sobre Utopia / Notes on Utopia (hypertext, 2004)*  
<http://webpages.fc.ul.pt/~ommartins/apontamentos/utopia%20geral.htm>  
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  - Pombo, Olga, *Lugares da Filosofia / Places of Philosophy (power-point 2005)*  
<http://www.educ.fc.ul.pt/docentes/opombo/publicacoes/opombo/oslugaresdafilosofia.ppt>
  - Pombo, Olga (ed), *Fernando Gil, Filósofo do Conhecimento (“Fernando Gil. Philosopher of Knowledge”) (2006)*  
<http://www.educ.fc.ul.pt/docentes/opombo/publicacoes%20opombo/fernandogil.htm>
  - Pombo, Olga, *O insuportável brilho da escola (“The intolerable brilliance of School) (2006)*  
<http://webpages.fc.ul.pt/~ommartins/investigacao/brilhoescola.pdf>
  - Pombo, Olga (2006), *Interdisciplinaridade. Ambições e limites (excerto)*



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- Pombo, Olga (coord.), *Lisbon Center for image in Science and Art (CISA)*, Image Platform and archive intending to question the philosophical, scientific and artistic nature of image (since 2008)

<<http://lisboncisa.fc.ul.pt>>

- Pombo, Olga (ed), *O lugar da Filosofia da ciencia na Universidade de Lisboa* ("The Place of Philosophy of Science in the University of Lisbon") <<http://filcc-ulutl.fc.ul.pt/>>

- Pombo, Olga, *Jangada de Pedra / Radeau de Pierre* (power point 2013)

<<http://slideplayer.com.br/slide/1263976>>

## **CDrom editor**

- Pombo, Olga, *Enciclopédia e Hipertexto* – hypertext published in the context of the research project *Enciclopédia e Hipertexto*, 2006 (technical support - Ricardo Saraiva).
- Pombo, Olga, "Imigrantes, Estrangeiros e Cidadãos. A partir de H. Arendt e B. Russell" /Imigrants, foreiners and citizens. With H. Arendt and B. Russell", *Actas da Conferencia Ibérica Educação para a Cidadania*, DEFCUL: CIE, 2008.
- Pombo, Olga, "Dispersão e unidade: Para uma poética da simpatia / Dispersion and unity. For a poetics of sympathy", in Lara, M. L. G.; Smit, J. W. (Orgs.), *Temas de Pesquisa em Ciência da Informação no Brasil*, São Paulo: Escola de Comunicações e Artes, 2010, pp. 31-46. ISBN – 978-85-7205-081-4.

## Research

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### Research units

- Coordinator and founding member of the “Research Center for Philosophy of Science of the University of Lisbon” (CFCUL), a research unit funded by the Portuguese Foundation for Science and Technology (FCT) since 2003 up to January 2017.
- Integrated Member of the Research Center for Philosophy of Science of the University of Lisbon (CFCUL), since 2003.
- Collaborator of the “Philosophy Research Center”, Faculty of Letters University of Lisbon (1996-2002).
- Integrated Member of the Research Center in Education (CIEFCUL), Faculty of Sciences University of Lisbon (1994 - 2003).

### Coordination of research projects

- Coordinator (PI) of the FCT Research Project “*From Encyclopedia to Hypertext*“, funded by the Portuguese Foundation for Science and Technology, POCTI/FIL/36357/2000 (1999-2002). Budget: 30.925.47€ <http://www.educ.fc.ul.pt/hyper>
- Coordinator (PI) of the FCT Research Project “*Scientific Culture. Conceptual Migrations and Social Contaminations*” funded by the Portuguese Foundation for Science and Technology POCTI/FIL/48133/2002 (2003-2006). Budget: 27.550.00€. <http://cfcul.fc.ul.pt/projectos/migracoes/index.htm>
- Coordinator (PI) of the CFCUL Research Project “*Bachelard. Science and Poetics*” (2006-2009).
- Coordinator (PI) of the International Research Project “*Lógica Universal e Unidade da Ciência / Universal Logics and Unity of Science*” (CFCUL – University of Seville), Acções integradas, Budget: 5.000€ (2008-2010).



< [http://cfcul.fc.ul.pt/projectos/projecto\\_sevilha.htm](http://cfcul.fc.ul.pt/projectos/projecto_sevilha.htm)>

- Coordinator (PI) of the International Research Project “*Abdução e Descoberta Científica / Abduction and Scientific Discovery*” (CFCUL – Madrid Complutense University), Acções integradas, Budget: 6.000€ (2010-2011).
- Coordinator of the CFCUL project “*Lisbon Centre for Image in Science and Art*”, since 2010 < <http://lisboncisa.fc.ul.pt>>
- Coordinator (PI) of the FCT International Research Project “*Image in Science and Art / A Imagem na Ciência e na Arte*”, (funded by the Portuguese Foundation for Science and Technology, PTDC/EAT/64201/2006, budget 180.705.000€ (2007-2012). <<http://ica.fc.ul.pt>>
- Coordinator (PI) of the International Research Project “*Knowledge Dynamics in the Field of Social Sciences: Abduction, Intuition and Invention*”, CFCUL / Seville University, Acções integradas, Budget: 6.000€ (2011-2012).

< [http://cfcul.fc.ul.pt/projectos/Projecto\\_Knowledge](http://cfcul.fc.ul.pt/projectos/Projecto_Knowledge)>

- Coordinator of the CFCUL project “*Plato’s Protagoras*” (since 2012) <<http://cfcul.fc.ul.pt/projectos/protagoras>>
- Coordinator of the CFCUL project “*Rousseau and the Sciences*” (2012) <<http://cfcul.fc.ul.pt/projectos/rosseau>>
- Co-coordinator of the International Research Project “*Implementing the Extended Synthesis in Evolutionary Biology into the Socio-cultural Domain*”, funded by the John Templeton Foundation, budget: 200.000 € (2012) <<http://appeel.fc.ul.pt>> <<https://www.templeton.org/grant/implementing-the-extended-synthesis-in-evolutionary-biology-into-the-sociocultural-domain>>
- Coordinator of the CFCUL project “*Abduction and Scientific Discovery*” (2013).

< <http://cfcul.fc.ul.pt/projectos/abducao/abducao.htm>>

- Coordinator (PI) of the Project “*Afinal o que é a Ciência? / After all, what is Science?*”, financed by Ciência Viva (National Agency for the Defense of the Scientific and Technological Culture), budget: 7.000 € (2013-2014) < <http://ciencia13-14.fc.ul.pt>>

- Coordinator (PI) of the *CFCUL Strategic Project*, PEst-OE/FIL/UI0678/2011, budget: 213.358 € (2011-2013)
- Coordinator (PI) of the *CFCUL Strategic Project*, PEst-OE/FIL/UI0678/2014, budget: 71.340 € (2014)
- Coordinator (PI) of the *CFCUL Strategic Project*, UID/FIL/00678/2013, budget: 426.519 € (2015-2017)
- Head of the CFCUL Research Group (RG) “*Unity of Science*”, (2013-2015)
- Head of the CFCUL Research Group (RG) “*Epistemology and Methodology*”, (2015-3/2016) <<http://cfcul.fc.ul.pt/GI/EM>>
- Head of the CFCUL Thematic Line (TL) “*Unity of Science and Interdisciplinarity*”, (2015-2016) <<http://uci.fc.ul.pt>>
- Head of the CFCUL Transversal Research line (TRL) “*Interdisciplinarity-transdisciplinarity. Theory and practice in the sciences, arts and humanities*” (2017-)

### **Member of International Research Projects**

- Member of the International Research Project “*Leibniz the Polemicist*”, Institute for Advanced Studies, Hebrew University of Jerusalem, Israel (head by Marcelo Dascal) (1994-1998).
- Associated Researcher of the International Project « *La Science dans ses Contextes* » Maison de Sciences Humaines du Nord-Pas de Calais, Université de Lille III, France (head by Shahid Rahman) (2004-2006).
- Associated Researcher of the international project « *Le Rôle de la Micro-Histoire* », Université de Lille III, France (head by Shahid Rahman) (2006-2008).
- Associated Researcher of the international project « *La Contextualization des Catégories de la Pensée Scientifique* » Université de Lille III, France (head by Shahid Rahman), (2006-2008).
- Associated Researcher of the international project « *Logiques de la Ficción* », Université de Lille III, France (head by Shahid

Rahman) (2006-2008).

- Member of the international project “*Imag(in)ing the Nano-scale: Interactions between Science and Art*”, University of Bergen, Centre for the Studies of the Sciences and Humanities (head by Rasmus Tore Slaattelid)( 2009-2011).
- Associated Researcher of the international project - FP7, European Union, “*Observatory Nano*” (head by Mark Morrison (2009-2011).
- Member of the CFCUL *Lisbon Applied Evolutionary Epistemology Lab* (2012-2016).
- Member of the management committee of the Cost Action *INTREPID - Interdisciplinarity in research programming and funding cycles* (2015-2017).
- Member of the international project “*Complejidad y filosofía natural en el cruce de arte y ciencia / Complexity and Natural Philosophy in the crossing of art and science*”, financed by PAPIIT, Mexico (head: María Antonia González Valerio) (2015-2017).

### **Member of National Research Projects**

- Founding Member of the project *Jean-Jacques Rousseau*, Portuguese Society for Philosophy (1977 - 1979).
- Founding Member of the Research Project *Mathesis*, funded by Calouste Gulbenkian Foundation / Faculty of Sciences of the University of Lisbon (1989-1995).
- Member of the project *O Ensino na Faculdade de Ciências / Teaching at the Faculty of Sciences*, funded by the CIE-FCUL (1995-1998).
- Member of the Integrated Research Project, *A Universidade de Lisboa. Da Ideia de Universidade às Práticas Institucionais / From the Idea of University to the Institutional Practices*, funded by the Recktorship of the University of Lisbon (head Maria

Odete Valente) (1997-1999).

- Member of the CFCUL Research Project *Poincaré Filósofo da Ciência / Poincaré, Philosopher of Science*, funded by FCT (head by António Franco Oliveira) (2007-2010).
- Member of the CFCUL Research Project *Problemas Filosóficos da Física Quântica' / Philosophical problems of Quantum Physics*, funded by FCT (head by José Croca) (2007-2010).
- Member of the CFCUL Research Project *The Vienna Papers of Delfim Santos and the Philosophy of Science in Portugal* (head by Filipe D. Santos) (2011-2012).
- Member of the Project *Dialogos / Dialogues* funded by the Calouste Gulbenkian Foundation (2015-2017).

### **Scholarships and research periods abroad**

- PhD Scholarship by the National Institute of Scientific Research (INIC) (1989 – 1992)
- PhD research stage at the Centre de Recherche Épistémologie Appliquée (CREA), University of Paris (1991-1992)
- PhD research stage at Philosophy Institute, University of Leuven (1991-1992)
- Research Fellow at the Institute for Advanced Studies, Hebrew University of Jerusalem (March-May 1995)
- Research Fellow at the Oxford University, Jesus College (March-June 1999)
- Research Fellow at the Institut für Philosophie, Viena University, (September-October 1999)
- Research Fellow at the University Lille 3, France (2004)
- Sabbatical Scholarship (1 November 2004-31th July 2005)
- Research Fellow at the Zentrum für Literaturforschung, Berlin (2005)
- Guest Professor at the Portuguese Scholl, Maputo, Mozambique (May 2006).

- Guest Professor of the Cátedra Latino-Americana Leopoldo Zea de Filosofia e Epistemologia da Ciência, Federal University of Latin-American Integration, Brazil (December 2010 and August 2011).
- Guest Professor at the Federal University of Goiás, Brazil (October 2012).
- Short-Term Fellowship, Germany (November 1988)
- Short-Term Fellowship, Calouste Gulbenkian Foundation, Institut Universitaire Kurt Bosch, Suisse, September 1997;
- Short-Term Fellowship, Institut für Philosophie, Vienna University, September 1999.
- Short-Term Fellowship, Zentrum für Überfakultäre Forschung, Vienna University, May 2000
- Short-Term Fellowship, Edinburg University, UK, September 2000.
- Short-Term Fellowship, Technische Universität Darmstadt, Germany, October 2010
- Short-Term Fellowship, Nancy University, France, July 2011
- Short-Term Fellowship, Paris, France, December 2011
- Short-Term Fellowship, Corfu, Greece, May 2016

### **Member of International Networks**

- Member of the *POND Network - Philosophy of Science Around the Mediterranean* (since 2017)  
< <https://pondposmed.wordpress.com/> >
- Member of the International Research Network SIPS, “*Système d’Information en Philosophie des Sciences*” (head by Thierry Martin (since 2007).  
<<http://www.sps-philoscience.org/informations/ressource.php?id=2>>
- Member of the scientific network “*RED Iberoamericana*”

*Leibniz*», Granada, Spain (since 2003)  
<<http://www.leibniz.es/auipprincipal.htm>>

### **Member of Scientific societies**

- Member of the *Réseau National des Maisons des Sciences de l'Homme* (RnMSH), Paris, France (since 2015)
- Correspondant of the *Réseau National des Maisons des Sciences de l'Homme* (RnMSH) for the MSH Bretagne, Rennes, France (since 2016)
- Member of the scientific committee of the *Centro studi sulla natura, l'umano e l'unità del pensiero*, Accademia Vivarium Novum, Roma (since 2018).
- Member of scientific committee of the *Système d'information en Philosophie des Sciences (SIPS)* directed by Thierry Martin and coordinated by of the *Centre de Documentation et de Bibliographie Philosophique*, Maison des Sciences de l'Homme Claude-Nicolas Ledoux (UMS 27), France. <<http://www.philosciences.org/collaborateurs.html> >
- Member of the *Associatiation Bento Jesus Caraça*, Lisbon (since 2018).
- Member of the “*Scientific Society for Woman in Philosophy*” Switzerland, SWIP CH (since 2017).
- Associated member of the “*Association Computability in Europe*” (CiE), Leeds, UK (since 2016).
- Member of the advisory board of the *International Association for the Study of Controversies (IASC)*(since 2016).
- Member of the Administrative Board of the “*Société de Philosophie des Sciences*” (2012-2014).
- Founding member of the “*Société de Philosophie des Sciences*”, France (2010).
- Member of the “*European Philosophy of Science Association*”

(EPSA), Austria.

- Member of the "*Société d'Histoire et d'Épistémologie des Sciences du Langage*" (S.H.E.S.L.), Paris, France.
- Member of the "*Gesellschaften Studienkreis der Sprachwissenschaften*", Münster, Germany
- Member of the "*Henry Sweet Society for the History of Linguistic Ideas*", Oxford, UK.
- Member of the "*Rousseau Association*", France
- Member of the "*Associação Agostinho da Silva*" / "*Association Agostinho da Silva*", Lisbon, Portugal
- Member of the "*Amonet. Associação Portuguesa de Mulheres Cientistas*" / "*Amonet. Portuguese Association of Women in Science*", Lisbon, Portugal.
- Member of the Directory Board of the "*Portuguese Society of Philosophy*", Lisbon (1983/1999)

### **Member of editorial boards**

- Member of the editorial board of the journal "*Filosofia*", edited by the Sociedade Portuguesa de Filosofia, Lisbon (1985-1990).
- Member of the editorial board of the journal "*Revista de Educação*", edited by the Department of Education of the Faculty of Sciences of the University of Lisbon (1986-1999).
- Member of the editorial board of the journal "*Argumento. Revista quadrimestral de Filosofia*", edited by Cosmos Press, Lisbon (1990-1993).
- Member of the consulting board of the journal "*Revista de Educação*", edited by the Department of Education of the Faculty of Sciences of the University of Lisbon, Lisbon (2000-2005).
- Member of the scientific council of the journal "*Contexto e Educação*", edited by UNIJUI, Brazil (since 2006).

- Member of the editorial board of the journal “*Humanidades em Revista*”, edited by UNIJUÍ (Departamento de Filosofia), Brazil (since 2007).
- Member of the consulting board of the journal “*Revista Devenires*”, Universidad Michoacana se San Nicollás de Hidalgo (Instituto de Investigaciones Filosóficas, Facultad de Filosofia Samuel Ramos), México (2007-2010).
- Member of the scientific board of the journal “*Cuadernos de Lógica, Epistemología y Lenguaje*”, College Publication, UK (since 2007)
- Member of the international advisory board of the journal “*Logos and Episteme. An International Journal of Epistemology*” (ISSN 2069-0533), Romania Academy (since 2010)
- Member of the scientific board of the journal “*Revista do Centro de Investigação sobre Ética Aplicada*” (CISEA), (since 2012)
- Member of the scientific board of the journal “*Sol Nascente*”, Angola (since 2013)
- Member of the scientific board of the journal “*Omnia. Revista Interdisciplinar de Ciências e Artes*” (ISSN 2183-8720), GREI, Faro (since 2015)
- Member of the scientific board of the journal “*Interdisciplinaridade, GEPI - Grupo Estudos e Pesquisa em Interdisciplinaridade*” (ISSN 2179-0094), PUC-SP, Brazil (since 2017) <<http://revistas.pucsp.br>>
- Member of the editorial board of the Series “*Processos Formativos*”, of the Editora FI, Porto Alegre, Brazil (since 2017) <<http://www.editorafi.org/serieprocessosformativos>>
- Membre of the editorial board of the journal *Expert Opinion on Astronomy and Astrophysics*, Whioce Publishing Pte. Ldt (since 2017).



- Member of the editorial board of the series “Interdisciplinarité, Sciences et Humanités”, ISTE Science Publishing, UK (since 2017).

## Supervision

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### Post-docs

1. Juan Manuel Torres, “*The Influence of Genetics on Contemporary Thinking*”, FCT Grant SFRH/BPD/17625/2004, CFCUL, 2009-2010.
2. Nathalie Gontier, “*An investigation into the different applications of an evolutionary epistemological, universal symbiogenesis and universal punctuated equilibrium approach for studies into the origin and evolution of language and culture*”, FCT Grant SFRH/BPD/43519/2008, CFCUL, 2008-2009.
3. Hassan Tahiri, “*Poincaré's Philosophy of Mathematics*”, FCT Grant SFRH/ BPD/ 47950/2008, CFCUL, 2008-2009.
4. Lidia Queiroz, “*To see the invisible: the epistemology of Gaston Bachelard and the History of Atomism*”, FCT Grant SFRH/BPD/69485/2010, CFCUL, since 2010.
5. Hassan Tahiri, “*Logical and Historical Analysis of Scientific Controversies Case Study: Ibn al-Haytham's al-Shukuk*”, FCT Grant, SFRH/BPD/47950/2008, CFCUL, 2009-2015.
6. Alexandra Van Quynh, “*Intuition in Mathematics: Epistemology and Experience*”, FCT Grant SFRH/BPD/70433/2010, CFCUL, 2011-2015.
7. Zbigniew Kotowicz, “*Gaston Bachelard. A Theory of the Subject and Epistemological Thought. Studies on Atomism*”, FCT Grant SFRH/BPD/70880/2010, CFCUL, 2011-016.

8. Juan Redmond, “*Models and Abstract Objects in Science: For an Artefactual Approach*”, FCT Grant SFRH/BPD/72948/2010, CFCUL, 2012-2013.
9. Nathalie Gontier “*Applied Evolutionary Epistemology: How can the Extended Evolutionary Synthesis be implemented into the sociocultural domain?*”, FCT Grant SFRH/BPD/89195/2012, CFCUL, since 2013.
10. Ana Freire, “*Towards an Ecology of Rhythm, the Seminal contribution of Rhythmanalysis for the Comparative Study of some Rhythm Based Epistemologies*”, FCT Grant SFRH/BPD/80851/2012, CFCUL, 2012-2013.
11. Elena Casetta, “*Biodiversity: A Philosophical Challenge*”, FCT Grant SFRH/BPD/84683/2012, CFCUL, 2013-2016.
12. Larissa Mendoza Straffon, John Templeton Foundation Grant, 2013-2014.
13. Emanuele Serrelli, John Templeton Foundation Grant, 2013-2014.
14. Davide Vecchi, “*Towards an heteroplastic view of biology*”, FCT Grant SFRH/BPD/99879/2014, CFCUL, since 2014 (supervision Luis Vicente, co-supervision Olga Pombo).
15. Sara Fuentes Cid, “*Science-Art-Philosophy Lab*”, CFCUL grant holder (UID/FIL/00678/2013), 2015-2017.
16. Klaus Gaertner, “*Unity of Science and Interdisciplinarity*”, CFCUL grant holder (UID/FIL/00678/2013), 2015-2017.
17. Gil Costa Santos, “*Philosophy of Natural Science*”, CFCUL grant holder (UID/FIL/00678/2013), 2016-2018.
18. Nuno Carvalho, “*Contemporary French Philosophy of Technology*”, CFCUL grant holder (UID/FIL/00678/2013), 2016-2017.
19. Matthieu Fontaine, “*Existential Conjectures in Abductive Reasoning*”, FCT Grant holder (SFRH/BDP/116494/2016), CFCUL, since 2017.

## PhD dissertations (completed)

1. Alexander Gerner, “*Philosophical Investigation on Attention*”, PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, under supervision of Olga Pombo and co-supervision of Nuno Nabais, completed in May 2012 (Very Good, unanimity). FCT Grant SFRH/BD/23459/2005.
2. Inacio Valentim, “*La Parresia y el cuidado de si em Eutifron, Laques, Alcibiades de Platon. Analisis de una lectura de Michel Foucault*”, PhD in Philosophy, Faculty of Humanities, University Carlos III, Madrid, under supervision of Antonio Gomez Ramos and co-supervision of Olga Pombo, completed in April 2012, at the Univ. Complutense Madrid (Very Good, unanimity).
3. João Luís Lemos e Silva Cordovil, “*What is a Quantic Particle? Ontological and epistemological implications of the concept of Quantum particle in the Copenhagen and De Broglie-Croca interpretations*”, PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, under supervision of Olga Pombo and co-supervision of José Croca, completed in December 2012, at the University of Lisbon (Very Good, unanimity). FCT Grant SFRH/BD/21790/2005.
4. Cláudia Ribeiro, “*The presence of Metaphysics in Science*”, PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, under supervision of Olga Pombo, completed in May 2014, at the University of Lisbon (Very Good, unanimity). FCT Grant SFRH/BD/64527/2009.
5. Silvia di Marco, “*Towards an Epistemology of Medical Imaging*”, PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon together with Milan University, under supervision of Olga Pombo and co-supervision of Andreia Pinnoti, completed in June 2015, at the University of Lisbon (Very Good, unanimity). FCT Grant SFRH/BD/64050/2009.

6. João Barbosa, “*Contributos para a Compreensão do Sucesso da Cosmologia do Big-Bang. Uma Análise Thematica à Luz de Gerald Holton/ Contributes for the Comprehension of the Big Bang Cosmology success. Thematic Analysis on the basis of Gerald Holton*”, PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, under supervision of Olga Pombo, completed in January 2016, at the University of Lisbon (Very Good, unanimity).
7. Silvío Filipe Varela de Sousa, “*O Transcendental Geométrico e a Parecepto-Cognição / The Geometric Transcendental and the percepto-cognition*”, PhD in Philosophy, Faculty of Human and Social Sciences, New University of Lisbon, under supervision of Filomena Molder and co-supervision of Olga Pombo. (Very good, unanimity) FCT Grant SFRH/BD/60471/2009, completed in March 2017 (Very Good, unanimity).

### **PhD dissertations (ongoing)**

1. Nuno Jerónimo, “*Um Retrato de Gödel enquanto Filósofo. A Filosofia como Ciência de Rigor / Gödel’s portrait as a Philosopher. Philosophy as science of rigor*”, PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon together with Pantheon Sorbonne, Paris, under the supervision of Olga Pombo and co-supervision of Mark Vann Atten. PhD individual grant by the FCT SFRH/BD/47643/2008.
2. Ana Maria Mendes Gaspar, “*Entre Conceito e Imagem. De Bachelard a Bion / Concept and Image. From Bachelard to Bion*”, International FCT Doctoral Program in Philosophy of Science, Technology, Art and Society, Faculty of Sciences of the University of Lisbon, under the supervision of Olga Pombo and co-supervision of Catarina Nabais.
3. Fernando Rua, “*As experiências de pensamento como objectos de ficção / Thoughts experiments as fiction objects*”,

- International FCT Doctoral Program in Philosophy of Science, Technology, Art and Society, Faculty of Sciences of the University of Lisbon, under the supervision of Olga Pombo and co-supervision of Nuno Nabais and Shahid Rahman.
4. Ana Pato, “*A oposição entre materialismo e idealismo no debate entre as principais interpretações da Mecânica Quântica / Opposition between materialism and idealism in the debate among the main interpretations of Quantum Mechanics*”, International FCT Doctoral Program in Philosophy of Science, Technology, Art and Society, Faculty of Sciences of the University of Lisbon, under the supervision of Olga Pombo. PD-FCTAS PhD grant - PD/BD/114320/2016.
  5. Pedro Caldas, “*A imagem na ciência. Da invenção da Perspectiva à imagem em movimento / Image in Science. From the invention of perspective to image in movement*”, International FCT Doctoral program in Philosophy of Science, Technology, Art and Society, Faculty of Sciences of the University of Lisbon, under the supervision of Olga Pombo. PD-FCTAS PhD grant - PD/BD/114319/2016.
  6. Marco Pina, “*Impact of social factors on the brain-mind development. An interdisciplinary analysis of recent contributions from the evolutionary sciences, affective sciences and epigenetics to the nature debate*”, International FCT Doctoral program in Philosophy of Science, Technology, Art and Society, Faculty of Sciences of the University of Lisbon, under the supervision of Olga Pombo and co-supervision of Philippe Huneman. PD-FCTAS PhD grant - PD/BD/114321/2016.
  7. Ana Paula Soares, “*A Iconografia da Viagem Philosophica de ao Brasil: ciência e arte na (re)construção da Amazônia /The iconography of Alexandre Rodrigues Ferreira Philosophical Voyage to Brazil*”, International FCT Doctoral program in Philosophy of Science, Technology, Art and Society, Faculty of Sciences of the University of Lisbon, under the supervision of

Olga Pombo. PD-FCTAS PhD grant – PD /BD /128494/2017.

8. Ana Saldanha, “*The controversy Liberty-Authority and its impact in the process of knowledge transmission / A controvérsia Liberdade-Autoridade e o seu impacto no processo de transmissão do conhecimento*”, International FCT Doctoral Program in Philosophy of Science, Technology, Art and Society, Faculty of Sciences of the University of Lisbon, under supervision of José Luis Garcia and co-supervision of Olga Pombo.

### **Master dissertations (completed)**

1. Maria Eduarda Santos, “*Para uma pedagogia da mudança conceptual. Estudo de orientação epistemológica / For a pedagogy of conceptual change. Study of epistemological orientation*”, Master in “Science Education”, Faculty of Sciences of the University of Lisbon (1986 - 1989) (Very Good, unanimity). (Master dissertation published in a book in 1991).
2. Leonor Santos, “*O corpo escotomizado da Escola. Contributo para a implementação da área de Formação Pessoal e Social no Ensino Secundário / The scotomized body of the school. Contribute for the implementation of the personal and social area in Secondary School*”, Master in “Science Education”, Faculty of Sciences of the University of Lisbon (1995 - 1996). (Very Good, unanimity).
3. Maria Helena Duarte Abreu, “*A teoria de Oparine sobre a Origem da Vida na perspectiva da História e da Filosofia das Ciências. Contributo para o Ensino da Biologia / Oparine’s theory on the origin of Life in the perspective of History and Philosophy of Science. Contribution to the teaching of Biology*”, Master in “Science Education”, Faculty of Sciences of the University of Lisbon (2000 - 2003) (Very Good, unanimity). (Master dissertation published in a book in 2007).
4. Ana Paula Rocha Coelho de Figueiredo Silva, “*Metamorfoses do*

- conceito de Abdução em C. S. Peirce. O exemplo de Kepler / Metamorphosis of the concept of Abduction in C. S. Peirce. The example of Kepler*", Master in "History and Philosophy of Science", Faculty of Sciences of the University of Lisbon, 2007 (Very Good, unanimity). (Master dissertation published in a book in 2009).
5. Ana Maria Mendes Gaspar, "*O papel da Psicanálise nas obras de Bachelard: 'O nascimento do espirito científico' e 'Psicanálise do fogo'*" / *The role of Psychoanalysis in the works of Gaston Bachelard: 'The Birth of Scientific Spirit' and 'Psychoanalysis of fire'*", Master in "History and Philosophy of Science", Faculty of Sciences of the University of Lisbon, 2008 (Very Good, unanimity). (Master dissertation published in a book 2010).
  6. Cláudia Ribeiro, "*Electrões inobserváveis e estrela invisíveis. Em torno da questão do realismo científico: Ana Musgrave / Bas C. van Fraassen / Inobservable electrons and invisible stars. Around the question of scientific realism: Alan Musgrave and Bas C. van Fraassen*", Master in "History and Philosophy of Science", Faculty of Sciences of the University of Lisbon, 2009. (Very Good, unanimity). (Master dissertation published in a book in 2009).
  7. Miguel Fezas, "*A Bioquímica. Uma Ciência de Fronteira / Biochemistry. A border Science*", Master in "History and Philosophy of Science", Faculty of Sciences of the University of Lisbon, 2009. (Very Good, unanimity).
  8. Maria Manuel Costa, "*As virtudes cognitivas dos modelos 3D no desenvolvimento da Química. Um estudo de caso. Van T'Hoff e a Estereoquímica / Cognitive virtues of 3D Models in the development of Chemistry. A Case study: Van t'Hoff and the Stereochemistry*", Master in "History and Philosophy of Science", Faculty of Sciences of the University of Lisbon, 2010. (Very Good, unanimity).
  9. Maria Manuela Isaiás Afonso da Costa, "*A Importância da Educação musical no Desenvolvimento Cognitivo / The*



- importance of Musical education for cognitive development*”, Master in “Education and Personal and Social Formation”, Faculty of Sciences of the University of Lisbon, 2011. (Very Good, unanimity).
10. Pedro Caldas, “*Perspectiva e Conhecimento / Perspective and Knowledge*”, Master in “History and Philosophy of Science”, Faculty of Sciences of the University of Lisbon, 2011. (Very Good, unanimity).
  11. Thiago Henrique Santos, “*Ciência e Web 2 / Science and Web2*”, Master in “History and Philosophy of Science”, Faculty of Sciences of the University of Lisbon, 2011 (Very Good, unanimity).
  12. Ana Pato, “*Materialismo e idealismo na Física do final do século XIX e início do século XX a partir de 'Materialismo e Empirio-criticismo' de Lênine. O caso exemplar da interpretação bohriana da Mecânica Quântica / Materialism and Idealism in the Physics at the final of the XIX century and beginning of XX century on basis of Lenine's 'Materialism and empiric-criticism'. The exemplary case of Bohr's interpretation of Quantum Mechanics*”, Master in “History and Philosophy of Science”, Faculty of Sciences of the University of Lisbon, 2012 (Very Good, unanimity). (Master Dissertation published in a book in 2015).
  13. João André Duarte, “*Can we play Science. Philosophical groundings of the 'Tinkering'*”, Master in “History and Philosophy of Science”, Faculty of Sciences of the University of Lisbon, 2015 (Very Good, unanimity).
  14. Victor Hugo, “*O problema da demarcação. Antes e depois de Popper / The demarcation problem. Before and after Popper*”, Master in “History and Philosophy of Science”, Faculty of Sciences of the University of Lisbon, 2016 (Good, unanimity).

### **Master dissertations (ongoing)**

1. Diogo Miguel Silva da Cunha, “*O que é a Sociologia? Norberto Elias e o Problema do Estatuto Social das Ciências / What is Sociology? Norberto Elias and the problem of the status of Social Sciences*”, Master in “History and Philosophy of Science”, Faculty of Sciences of the University of Lisbon.

### **Professors in sabbatical**

1. Juan Manuel Torres, National University of Cuyo, Argentina, Fundação Gulbenkian grant, research stay at the CFCUL (October 2003-February 2004).
2. Marcelo Dascal, Tel-Aviv University, Israel, Fundação Gulbenkian grant, research stay at the CFCUL (March 2004 – June 2004).
3. Francisco J. Salguero Lamillar, University of Seville – Group on Logic, Language and Information, Spain, research stay at the CFCUL (October 2007 - December 2007).
4. Angel Nepomuceno, University of Seville – Group on Logic, Language and Information, Spain, research stay at the CFCUL (January 2007- April 2008).
5. Paula Ramos, UNESP - S. Paulo, Brazil, Capes grant, research stay at the CFCUL (September 2008- December 2008).
6. Rasmus Tore Slaattelid, University of Bergen, Centre for the Study of the Sciences and the Humanities, Norway, research stay at the CFCUL (2008-2009).
7. Rosana Monteiro, Federal University of Goiás, Brazil, Capes Grant, research stay at the CFCUL (September 2009-September 2010).
8. Fernando Soler, University of Seville, Group on Logic, language and information, Spain, research stay at the CFCUL (June 2010 - September 2010).
9. Jose Ernesto Calderón, National University of Cuyo, Argentina,

- research stay at the CFCUL (September 2010 - November 2010).
10. Sara Fuentes Cid, Faculty of Fine Arts, Pontevedra, Spain, research stay at the CFCUL (September 2010 - September 2011).
  11. Emilio Gomez Caminero, University of Seville, Group on Logic, language and information, Spain, research stay at the CFCUL (June 2012- October 2012).
  12. Giovanni Scarafile, University of Salento, Italy, Erasmus Mundus Grant, research stay at the CFCUL (September 2013).
  13. Sergio Hugo Menna, Federal University of Sergipe, Brazil, CAPES Grant, research stay at the CFCUL (November 2014 – November 2015).
  14. Wagner de Campos Sanz, Goiás University, Brazil, CAPES Grant, research stay at the CFCUL (December 2014 – March 2015).
  15. Lorenzo Baravalle, Federal University S. Paulo, Brazil, CAPES Grant, research stay at the CFCUL (May 11 – 7 July 2015).
  16. María Antonia González Valerio, Universidad Nacional Autónoma de México, research stay at the CFCUL (April 2016 - June 2016).
  17. Fernando Contreras Medina, Universidad de Sevilla, research stay at the CFCUL (April 2016 - September 2016).
  18. Fernando Contreras Medina, Universidad de Sevilla, research stay at the CFCUL (May 2017 - September 2017).
  19. Kelin Valeirão, Universidade Federal de Pelotas, Brasil, CAPES Grant, research stay at the CFCUL (November 2017 - December 2017).
  20. Sonia Schio, Universidade Federal de Pelotas, Brasil, CAPES Grant, research stay at the CFCUL (January 2018).

### **Foreign PhD students research stages (funded by various agencies)**

1. Remi Schorn, Pontific University Catolic South Rio Grande (PUC-RS), Brazil, research stage at the CFCUL (March - July 2007).
2. Roseli Hickmann, Federal University South Rio Grande (UFRGS), Brazil, research stage at the CFCUL (May - August 2007).
3. Silvia Meireles, Federal University South Rio Grande, UFRGS, Brazil, research stage at the CFCUL (September 2007 - January 2008).
4. Michael Cortês Gomes, State University of S. Paulo, UESP, Brazil, research stage at the CFCUL (November 2009 - October 2010).
5. Cristina Barés Gómez, Instituto de Estudios Islámicos y del Oriente Próximo, IEIOP, Spain, research stage at the CFCUL (January - June 2011).
6. Érik Luca de Mello, IMESSM-SP/FIEL/UFSCAR, Brazil, research stage at the CFCUL (January - June 2012).
7. José Pedro Henriques Gonçalves, Federal University of Santa Catarina, UFSC, Brazil, research stage at the CFCUL (June - October 2012).
8. Eliana Carvalho, State University of Bahia, Brazil, research stage at the CFCUL (June - December 2013).
9. Ludmila Freire, Federal University of Ceará, Brazil, research stage at the CFCUL (September 2013 - September 2014).
10. Luiz Henrique de Lacerda Abrahão, Minas Gerais Federal University (UFMG), Brazil, research stage at the CFCUL (9 October 2013 – 27 January 2014).
11. Jorge Mendes Soares, Federal University of Rio de Janeiro, UFRJ, Brazil, research stage at the CFCUL (October - December 2014).

12. Luisa Olivia Lacerda Ramos, Federal University of Bahia, UFBA, Brazil, research stage at the CFCUL (June 2015 - January 2016).
13. Diego Jiménez Palmero, Facultad de Filología, Universidad de Sevilla, Espanha, research stage at the CFCUL (1 May - 31 July 2017).
14. Fausto Rogerio Gentile, Senac São Paulo, Brasil, research stage at the CFCUL (1 April - 30 July 2017).
15. Rosângela Alemida Chaves, Faculdade de Filosofia, Federal University of Goiás, Brazil, research stage at the CFCUL (1 July- 31 July 2017).

## **Organisation of scientific meetings**

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### **International scientific meetings**

- Member of the organizing committee of the International Colloquium “*Leituras da Modernidade / Readings of Modernity*”, organized by the Centre for the History of Culture of the New University of Lisbon, held at the Franco-Portuguese Institute, Lisbon, 1987.
- Member of the organizing committee of the International Symposium on “*Communication, Meaning and Knowledge*”, organized by the Portuguese Society for Philosophy in collaboration with the Portuguese Association for Communication Development (APDC), held at the Forum Picoas, Lisbon, 1989.
- Member of the organizing committee of the international colloquium ‘*Descartes, Leibniz and Modernity*’, organized by the Department of Philosophy of the Faculty of Letters, held at the University of Lisbon, 1996.
- Co-organizer of the International Colloquium “*Da Ideia de*

*Universidade / On the idea of University*”, put forward by the Department of Education of the Faculty of Sciences of the University of Lisbon, November 1999.

- Coordinator of the International Seminar *Enciclopédia e Hipertexto / Encyclopedia and Hypertext*, put forward by the FCT research project “Enciclopédia e Hipertexto” (1999-2002) <<http://www.educ.fc.ul.pt/hyper>>:
- Member of the scientific committee of the International Colloquium on Philosophy in the Human Sciences "*Lei, Segurança e Disciplina. Trinta anos depois de Vigiar e Punir de Michel Foucault / Law, Security and Discipline. Thirty years after 'Surveilling and Punishment' of Michel Foucault*", organized by the CFCUL, held at the French-Portuguese Institute of Lisbon, Lisbon, 23-25 November 2005.
- Coordinator of the International Workshop "*Dois Filósofos da Ciência. Franco Selleri e Daniel Andler / Two philosophers of Science. Franco Selleri and Daniel Andler*", organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, 8 e 9 June 2005.
- Coordinator of an International Colloquium on "*Abduction and the Process of Scientific Discovery*", organized by the CFCUL, held at the Science Museum of the University of Lisbon, May 2006.
- Coordinator of the "*First Lisbon Colloquium for the Philosophy of Science - Unity of Science. Non-Traditional Approaches*" (2006), organized by the CFCUL, in collaboration with the Philosophy Department of the University of Texas, El Paso, EUA, and the Maison des Sciences de l'Homme, Nord-Pas de Calais, France, held at the Trindade Theatre, Lisbon, October 2006.
- Member of the scientific committee of the International Colloquium "*I Colóquio Luso-Brasileiro Leibniz / First Luso-Brazilian colloquium Leibniz*", organized by the PUC-Rio de Janeiro, held at the UERJ, Rio de Janeiro, Brazil, 2007.

- Coordinator of the International Colloquium “*II Jornadas Ibéricas / II Iberic Journeys*”, organized in the context of the international project “Universal Logics and Unity of Science”, Faculty of Sciences of the University of Lisbon / Seville University, held at the Faculty of Sciences of the University of Lisbon, May 2007.
- Coordinator of the International Colloquium “*I Jornadas Ibéricas / I Iberic Journeys*”, organized together with the "Grupo de Lógica, Lenguaje e Información" of the Seville University, held at the Seville University, Spain, 19 March 2007.
- Coordinator of the International Workshop “*Visual representation in Art and Science*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, 07 November 2007.
- Co-coordinator of the International Workshop “*Technoscience: Epistemological and Sociological Approaches*”, organized by CFCUL and Social Sciences Institute (ICS), held in Lisbon, at the ICS, 21 May 2007.
- Coordinator of the International Workshop “*O que é o Diálogo? Introdução à Lógica Dialógica / What is Dialogue? Introduction to the Dialogic Logics*”, organized by the CFCUL in collaboration with the research project “Savoirs, Textes, Langage, "La Science et ses Contextes", University Lille III, held at the Faculty of Sciences of the University of Lisbon, 27 April 2007.
- Member of the scientific committee of the International colloquium “*III Edition of Epistemological Perspectives on Simulation (EPOS)*”, held at the ISCTE, Lisbon, October 2008.
- Coordinator of the International Workshop “*Pensamento Diagramático Diagrammatic Thought*”, organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon, 2-3 June 2008.
- Coordinator of the International Workshop “*La Philosophie des*



*Sciences d'Henri Poincaré*”, organized by the CFCUL in the context of the FCT project “Poincaré. Philosopher of Science”, held at the Faculty of Sciences of the University of Lisbon, 23 and 24 April 2008.

- Coordinator of the International Colloquium “*III Jornadas Ibéricas. Lógica e Filosofia da Ciência / III Iberic Journey. Logics and Philosophy of Sciences*”, organized in the context of the international project “Universal Logics and Unity of Science”, Faculty of Sciences of the University of Lisbon / Seville University, held at the Faculty of Sciences of the University of Lisbon, Lisbon, February 2008.
- Coordinator of the International Colloquium “*Visual displays of information and the practice of science*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, 15 January 2008.
- Coordinator of the International Colloquium “*Diagrams in Logic and Mathematics: Epistemological Questions*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, 14 January 2008.
- Coordinator of the International Workshop “*Goethe. A Botânica das Cores / Goethe. The Botanic of colors*”, organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Psychology and Science Education of the University of Lisbon, 20th November 2009.
- Coordinator of the International Workshop “*Darwin 2009*”, organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon, 4th November 2009.
- Member of the organization team of the International Colloquium “*The Unity of Science in the Arabic Tradition. Science, Logic, Epistemology, and their Interactions*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, October 2009.
- Coordinator of the International Workshop “*Leonardo da Vinci*.”

*O esplendor da Relação Ciência e Arte” / Leonardo da Vinci. The magnificence of the relation Science and Art”,* organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon, 26 and 27 October 2009.

- Coordinator of the *International Workshop “O Desenho do Corpo na Arte e na Ciência / The drawing of the body in Art and Science”,* organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon, 20 May 2009.
- Coordinator of the *International Workshop “Modelos e Metáforas - entre Ciência e Arte / Models and Metaphors between Science and Art”,* organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon, 14 and 15 May 2009.
- Coordinator of the *International Workshop “Lugares da Ciência / Places of Science”,* organized by the CFCUL in the context of the FCT project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 13 May 2009.
- Coordinator of the *International Workshop “Vesalius, A redescoberta da Anatomia / Vesalius, the rediscovery of Anatomy”,* organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon, 12 May 2009.
- Coordinator of the *International Colloquium on “Illustration in Darwin. The tree as the image of life's evolution”,* organized in the context of the Project of “Image in Science and Art”, in collaboration with *Ciência Viva*, held at the Science Pavilion of *Ciência Viva*, April 2009.
- Coordinator of the *International Workshop “Pensamento Diagramático II / Diagrammatic Thought II”,* organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon,

23 and 24 Marh 2009.

- Coordinator of the International Workshop “*Neuroaesthetics*”, organized by the CFCUL in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon, 9-10 March 2009.
- Coordinator of the International colloquium “*IV Jornadas Ibéricas. Filosofia das Ciências, Lógica e Linguagem / IV Iberic Journeys. Philosophy of Sciences, Logics and Languge*”, organized in the context of the CFCUL international project “Universal Logics and Unity of Science”, Faculty of Sciences University of Lisbon / Seville University, held at the Faculty of Sciences of the University of Lisbon, Lisbon, February 2009.
- Coordinator of the international workshop “*Otto Neurath and the Unity of Science*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, 17 September 2010.
- Coordinator of the International Colloquium “*From a writing society to an image society*”, organized in the context of the project “Image in Science and Art”, held at the Franco-Portuguese Institute, Lisbon, May 2010.
- Coordinator of the International Workshop “*Bachelard: Conceitos & Imagens/Bachelard: Concepts and Images*”, organized in the context of the FCT project “Image in Science and Art, held at the Faculty of Sciences of the University of Lisbon, May 2010.
- Member of the organization of the International Colloquium “*Razão-Optimismo-Teodiceia: a Herança de Leibniz no Iluminismo Europeu / Reazon-Optimism-Teodicey: the heritage of Leibniz in the European Illuminism*”, held at the Faculty of Letters of the University of Lisbon, Lisbon, November 2010.
- Coordinator of the International Colloquium “*V Jornadas Ibéricas / V Iberic Journeys*”, in the context of the international project “Universal Logics and Unity of Science”, Faculty of

Sciences University of Lisbon / University Seville, held at the Complutense University Madrid, February 2010.

- Coordinator of the International Colloquium on “*Image in Science and Art*”, organized in the context of the project “Image in Science and Art”, held at the Calouste Gulbenkian Foundation, Lisbon, 17, 18, 19 February 2011.
- Coordinator of the International Colloquium “*VI Jornadas Ibéricas, / VI Iberic Journeys*” in the context of the international project “Knowledge Dynamics in the Field of Social Sciences: Abduction, Intuition and Invention”, CFCUL / Univ. Seville, held at the Complutense University, Madrid, November 2011.
- Member of the scientific council of the International Colloquium “*Poincaré. Problems and Perspectives*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, Lisbon, 26-27 Jan 2011.
- Coordinator of the International Colloquium on “*Rousseau and the Sciences*”, organized by the CFCUL, held at the Palácio Belmonte, Lisbon, November 2012.
- Member of the organization of the “*International Symposium of Epistemology, Logic and Language (ISELL2012)*”, organized by the CFCUL and the Group of Logic, Language and Information (HUM609) of the University of Sevilla, held at the Faculty of Sciences of the University of Lisbon, October 2012.
- Member of the organization of the international colloquium “*From Grooming to Speaking: Recent trends in Social Primatology and Human Ethology*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, Lisbon, September 2012.
- Co-organizer with F. Delfim Santos of the colloquium “*Vida e a Obra de Joaquim de Carvalho / Life and work of Joaquim de Carvalho*”, in the context of the CFCUL project “Delfim Santos e a Filosofia da Ciência em Portugal”, Lisbon, held at the Faculty of Sciences of the University of Lisbon, September 2012.

- Member of the scientific council of the international colloquium « *Bachelard 2012, le Surrationalisme 50 ans après*» organized by Journées de Synthèse, École Normale Supérieure and Institut Henri Poincaré, held at the École Normale Supérieure, Paris, 21-23 May 2012.
- Organization of the Open Conference by Niccolò Guicciardini, winner of the Fernando Gil prize, put forward by Portuguese Science Foundation (FCT), Lisbon, held at the Faculty of Sciences University of Lisbon, 20 March 2012 <<http://www.youtube.com/watch?v=1MEhIAFjjWk&feature=relmfu>>
- Coordinator of the “*Second Lisbon International Conference: Philosophy of Science in the 21st century - Challenges and Tasks*”, organized by the CFCUL, Lisbon, 4-6 December 2013.
- Member of the scientific board of the International colloquium “*Knowledge and Colonial Science*”, organized by the CFCUL and the Institute for Scientific Tropical Research, Lisbon, Fabrica Braço de Prata, 26-29 November 2013.
- Member of the scientific board of the International Symposium “*Metamorphoses of Corporeality: Art-Body-Technology*, 8th Audio-Visual Arts Festival - Ten Years of AVARTS”, University Ionian, Corfu, Greece, 16-17 May 2013.
- Member of the scientific board of the “*SPT2013. Technology in the Age of Information, 18th Biennial International Conference of the Society for Philosophy and Technology (SPT)*”, coordinated by José Luis Garcia and organized by ISEG-UTL, SOCIUS- UTL and ICS-UL, Lisbon, 4-6 July 2013.
- Member of the organization team of the “*1st Winter and Summer School on Evolution*”, sponsored by the John Templeton Foundation, held at the Ciência Viva Agency, Lisbon, 11-15 March 2013.
- Member of the organization of the “*International Conference on Evolutionary Patterns*”, organized by CFCUL, sponsored by the John Templeton Foundation, held at the Calouste Gulbenkian Foundation, Lisbon, 27-29 May 2013.

- Member of the scientific board of the Internacional Colloquium “*The Philosophers and Mathematics*”, organized by Hassan Tahiri in the context of the FCT Project “Argumentation and Scientific Change: a Case Study of How Ibn al -Haytham's al-Shukuk Changed the Course of Astronomy Forever” of the CFCUL, Faculty of Sciences of the University of Lisbon, 29-30th October 2014.
- Member of the scientific board of the “*III Jornadas de Innovación Docente en la Enseñanza de la Filosofía / III Journays of Innovation in the Teaching of Philosophy*”, Faculty of Philosophy, Complutense University of Madrid, Spain, October 2014.
- Coordinator of the “*VIII Jornadas Ibéricas - Debates da Filosofia Contemporânea / VIII Iberic Journays – Debates of Contemporary Philosophy*”, in the context of the CFCUL project "Knowledge dynamics in the field of social sciences: abduction, intuition and invention", held at the Faculty of Sciences of the University of Lisbon, Auditorium Tec Labs – Center of Innovation, 27-29 May 2014.
- Coordinator of the Workshop “*The Methodology of Case Studies How to think Interdisciplinarity*”, 2nd Workshop of the CFCUL Thematic line Unity of Science and Interdisciplinarity, Faculty of Sciences of the University of Lisbon, 4th December 2015.
- Member of the scientific board of the “*14º Encontro Internacional Arte e Tecnologia (#14.ART): Arte e Desenvolvimento Humano / 14<sup>th</sup> International meeting Art and Technology (#14.ART): Art and Human Development*”, Aveiro University, 7-11 October 2015.
- Coordinator of the International Workshop “*How to think Interdisciplinarity*”, 1st Workshop of the CFCUL Thematic line Unity of Science and Interdisciplinarity”, held at the Faculty of Sciences of the University of Lisbon, 13th March 2015.

- Member of the scientific board of the “*Third Lisbon International Conference on Philosophy of Science*”, organized by the CFCUL, held at the Forum Lisbon, 14-16 December 2016.
- Organizer of the Symposium “*Interdisciplinarity today: Scope and Application*”, presented at the CFCUL Third Lisbon International Conference on Philosophy of Science, held at the FCUL, Lisbon, 14 December 2016.
- Organizer of the symposium “*Between Truth and Transgression: The shifting nature of the scientific image*” presented at the International Conference “*Taboo – Transgression - Transcendence in Art and Science*”, Ionian University, Corfu, Greece, 20-21 May 2016.
- Member of the scientific committee of the *International conference “Taboo – Transgression - Transcendence in Art and Science*”, Ionian University, Corfu, Greece, 20-21 May 2016.
- Coordinator of the International Workshop “*Interdisciplinarity in Science: Theory and Practice*”, 3rd Workshop of the CFCUL Thematic line Unity of Science and Interdisciplinarity”, held at the Faculty of Sciences of the University of Lisbon, 25th January 2016.
- Organizer with Giovanni Scarafile and Jens Allwood of the *IASC International Conference “Controversies and Interdisciplinarity*”, Lisbon, held at the Faculty of Sciences of the University of Lisbon, 1-2 June 2017.
- Member of the scientific and artistic committee of the II *International conference “Taboo – Transgression - Transcendence in Art and Science*”, Ionian University, Corfu, Greece, 26-28 May 2017.
- Coordinator of the international Workshop “*Illustrative Interdisciplinary Cases*”, IVrd Workshop of the CFCUL Thematic line Unity of Science and Interdisciplinarity”, held at



the Faculty of Sciences of the University of Lisbon, 23th March 2017.

- Member of the local program committee of IFOSS20 - *Interdisciplinary Futures: Open the Social Sciences 20 Years Later*, Calouste Gulbenkian Foundation, Lisbon, 19-20<sup>th</sup> January 2017.
- Organizer of the symposium “*Social Sciences and their Epistemological and Ontological Shifts*”, presented to the IFOSS20 *Interdisciplinary Futures: Open the Social Sciences 20 Years Later*, held at the Calouste Gulbenkian Foundation, Lisbon, 19-20<sup>th</sup> January 2017.
- Organizer of Permanent Seminar of Philosophy of Science dedicated to *Bachelard and Z. Kotowicz memorial*, in the context of the “Permanent Seminar of Philosophy of Science”, held at the Faculty of Sciences of the University of Lisbon, 29 May 2018.
- Organizer of a seminar dedicated to *Niels Bohr* in the context of the “Permanent Seminar of Philosophy of Science”, held at the Faculty of Sciences of the University of Lisbon, 19 June 2018.
- Organizer of the International Conference *POND Network - Philosophy of Science Around the Mediterranean*, Lisbon, held at the Faculty of Sciences and the Faculty of Law of the University of Lisbon, 20-22 September 2018
- Organizer of a seminar dedicated to *Jean Piaget* in the context of the “Permanent Seminar of Philosophy of Science”, held at the Faculty of Sciences of the University of Lisbon, 9 October 2018.
- Member of the scientific board of the IX Conference of the *Spanish Society of Logic, Methodology and Philosophy of Science* (SLMFCE), organized by the University of Sevilla, held at the Facultad de Filosofia UNED, Madrid, 13-16 November 2018.

## **National scientific meetings**

- Member of the organizing committee for the “*First National Encounter of Philosophy Teachers*”, organized by the Portuguese Society of Philosophy (SPF), Calouste Gulbenkian Foundation, 1978.
- Member of the organizing committee for the “*Second National Encounter of Philosophy Teachers*”, organized by the Portuguese Society of Philosophy (SPF), Calouste Gulbenkian Foundation, 1980.
- Member of the organizing committee of the “*Segundo Encontro Filosofia em Contextos Não-Filosóficos / Second meeting Philosophy in non-philosophical contexts*”, held at the Faculty of Sciences of the University of Lisbon, June 1987.
- Member of the organizing committee of the Seminar *Investigação e Ensino / Research and teaching*, held at the Faculty of Sciences of the University of Lisbon, 20 February 1987.
- Coordinator of an “*Interdisciplinary Seminar on Bachelard*”, held at the Faculty of Sciences of the University of Lisbon, May 1988.
- Co-organizer of the seminar “*Interdisciplinarity and Environmental Education*”, organized by the Dept. Education, held at the Faculty of Sciences of the University of Lisbon, March 1991.
- Organizer with Teresa Levy and Henrique Guimaraes of the seminar *O que é a Interdisciplinaridade? / What is Interdisciplinarity*, held at the Faculty of Sciences of the

University of Lisbon, March 1991.

- Organizer with Teresa Levy and Henrique Guimaraes of the “*2nd forum on nterdisciplinarity Experiences*”, held at the Marquês de Pombal Secondary Scholl, July 1991.
- Organizer with Teresa Levy and Henrique Guimaraes of the “*1st Forum on Interdisciplinarity Experiences*”, held at the Marquês de Pombal Secondary School, January 1991.
- Member of the organizing committee of the national colloquium on “*Ethics and Scientific Research*”, organized by the Associação de Ciência e Tecnologia para o Desenvolvimento (ACTD), held at the Forum Picoas, Lisbon, November 1989.
- Coordinator of the series of conferences “*Encontros Agostinho da Silva / Agostinho da Silva Encounters*”, held at the Faculty of Sciences of the University of Lisbon (1998; 1999; 2000).
- Co-organizer of the the *Seminars of History and Philosophy of Sciences*, Faculty of Sciences of the University of Lisbon (2000-2003).
- Coordinator of the film cycle *Cinema and Education / Film and Education*, Faculty of Sciences of the University of Lisbon (2000-2003).
- Coordinator of the cycle “*Conferences on Philosophy of Science*”, organized by the Center for Philosophy of Science, held at the Faculty of Sciences of the University of Lisbon (since 2004).
- Member of the organizing committee of the national colloquium “*Ainda nao doente. Contributos multidisciplinares para uma filosofia da Saude / Not yet hill. Multidisciplinary contributes for a philosophy of health*” organized by the CFCUL in collaboration with the Center for Bioethics of the Medicine School of Lisbon University and the Calouste Gulbenkian

Foundation, held at the ICS, March 2004.

- Coordinator of the “*Permanent Seminar on Philosophy of Science*”, organized by the Centre for Philosophy of Science, held at the Faculty of Sciences of the University of Lisbon, 2004.
- Coordinator of the workshop “*Sobre o Indeterminismo / On Indeterminism*”, organized by the CFCUL, held at the Museu de Ciência da University of Lisbon, 9 March 2005.
- Coordinator of the workshop “*Ciência e Filosofia entre Rómulo de Carvalho e António Gedeão / Science and Philosophy between Romulo de Carvalho and Antonio Gedeão*”, organized by the CFCUL in the context of the “National Science and Technology Week”, held at the Faculty of Sciences of the University of Lisbon, 24 November 2006.
- Coordinator of the workshop “*Como Pensar as Relações entre a História e a Filosofia das Ciências? / How to think the relations between History and Philosophy of Sciences*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, 21 June 2006.
- Co-organizer of the national colloquium “*O Curso Conimbricense e a sua Tradição. Jornadas de Estudo / Conimbricensis Course and its tradition. Journeys of study*”, organized by the CFCUL with the Center for the History of Sciences of the University of Lisbon, held at the Lisbon Museum of Science, April 2006.
- Coordinator of the workshop “*Os Lugares da Epistemologia e da Poética em Gaston Bachelard / The places of Epistemology and Poetics in Gaston Bachelard*”, held at the Faculty of Sciences of the University of Lisbon, 10 December 2007.
- Organizer of the Seminar “*Aproximações ao Conceito de*

- Imagem V. Desenho científico e pensamento selvagem / Approches to the concept if Image V. Scientific drawing and savage thinking*, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 8 October 2007.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem IV. Passagens/ Approches to the concept if Image IV. Passages*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 24 September 2007.
  - Organizer of the Seminar “*Aproximações ao Conceito de Imagem III. As Imagens e as drogas / Approches to the concept if Image III. Images and drugs*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 16 July 2007.
  - Organizer of the Seminar “*Aproximações ao Conceito de Imagem II. As imagens da arte / Approches to the concept if Image II. The images of Art*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 18 June 2007.
  - Organizer of the Seminar “*Aproximações ao Conceito de Imagem I. Deleuze e a imagem / Approches to the concept if Image I. Deleuze and the image*” the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 7 May 2007.
  - Organizer of the national colloquium ‘*Darwinism versus Creationism: When does a scientific theory begin and end?*’ put forward by the CFCUL in collaboration with the Centro de Biologia Ambiental (CBA), Sociedade Portuguesa de Ciências Naturais (SPCN), Central Library of the Faculty of Sciences of the University of Lisbon and Livraria Escolar Editora, held at

the Faculty of Science at the University of Lisbon, March 2007.

- Coordinator of the workshop “*Giordano Bruno morreu na fogueira em Fevereiro de 1600 / Giordano Bruno died at the fire in February 1600*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, 14 February 2007.
- Coordinator of the workshop “*Arte e Ciência como Criação. Em torno de Gaston Bachelard / Art and Science as creation. Around Gaston Bachelard*”, organized by the CFCUL, held at the Faculty of Sciences of the University of Lisbon, 26 January 2007.
- Coordinator of the workshop “*A Ilustração Científica e a Construção do Conhecimento / Scientific illustration and the construction of knowledge*”, in the context of the FCT project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 4 and 5 December 2008.
- Coordinator of the workshop “*Introdução ao processamento e análise de imagem / Introduction to the processing and analysis of image*”, in the context of the FCT project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 4 and 8,9.10 September 2008.
- Co-organizer of the workshop “*Sobre Galileu / On Galileu*”, in collaboration with the Escola Politécnica Theater and Cátedra A Razão, held at the Theater of Escola Politécnica, 18 April 2008.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem VIII. As imagens em geologia e oceanografia / Approches to the concept if Image VIII. Images in Geology and Oceanography*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 7 April 2008.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem VII. Peirce e Frege/ Approches to the concept if Image*

VII. *Peirce and Frege*, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 10 March 2008.

- Co-organizer of the workshop “*Os últimos dias de Giordano Bruno / Last days of Giordano Bruno*”, in collaboration with the Theater of Escola Politécnica and Cátedra A Razão, held at the Theater of Escola Politécnica, 19 February 2008.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem VI. Imagens da Natureza e natureza das imagens / Approches to the concept if Image VI. The images of Nature and the nature of images*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 18 February 2008.
- Coordinator of the workshop “*As Imagens com que a Ciência se Faz / Images with which Science is made*”, in the context of the FCT project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 25 May 2009.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XI. A imagens e os sistemas evolutivos / Approches to the concept if Image XI. Image and evolutive systems*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 10 December 2009.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem X. As imagens da arte. Visualização da informação / Approches to the concept if Image X. Visualisation of information*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 16 November 2009.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem IX. Arte e ciencia no seculo XX. A fotografia / Approches to the concept if Image IX. Art and Science in the XX century. The*



*photography*, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 15 October 2009.

- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XXI. Neuroimagens/ Approches to the concept if Image XXI. Neuroimages*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 16 December 2010.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XX. Neurobiologia da arte/ Approches to the concept if Image XX. Neurobiology of art*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 14 June 2010.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XIX. Evolução da arte/ Approches to the concept if Image XIX. Evolution of Art*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 7 June 2010.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XVIII. Indisciplinaridade no desenho/ Approches to the concept if Image XVIII. Indisciplinarity in drawing*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 24 May 2010.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XVII. Corpo e imagem/ Approches to the concept if Image XVII. Body and image*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 26 April 2010.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XVI. Observação/ Approches to the concept if Image XVI. Observation*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the

University of Lisbon, 12 April 2010.

- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XV. O mapa como experiencia perceptiva/ Approches to the concept if Image XV. The map as perceptive experience*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 22 March 2010.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XIV. o uso da imagem na Biomecânica Computacional / Approches to the concept if Image XIV. The use of Image in computational Biomechanics*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 18 February 2010.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XIII. Modelos de razonamento bioinspirados/ Approches to the concept if Image XIII. Models of bioinspired reazoning*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 18 January 2010.
- Organizer of the Seminar “*Aproximações ao Conceito de Imagem XII. Analogia e metáfora na representação grafica / Approches to the concept if Image XII. Analogy and metaphor at graphical representation*”, organized in the context of the Project “Image in Science and Art”, held at the Faculty of Sciences of the University of Lisbon, 18 January 2010.
- Coordinator of the workshop “*Qual é a diferença entre Ciência e Filosofia? / What is the difference between Science and Philosophy*”, Evolution Day organized by CFCUL AppEEL Lab and the Ciencia Viva Agency, held at Knowledge Pavillon, Lisbon, March 2013.
- Coordinator of the colloquium “*O Lugar da Filosofia da Ciência*”

*na nova Universidade de Lisboa / The place of Philosophy in the new University of Lisbon*”, held at the Recktorship of the University of Lisbon, January 2013.

- Member of the Scientific Committee of the *1st Portuguese Philosophy Congress*, organized by the Portuguese Society for Philosophy, Lisbon, held at the Calouste Gulbenkian Foundation, 5-6 September 2014.
- Coordinator of the *Jornadas de Doutoramento*, put forward by the Doctoral Program on Philosophy of Science, technology, Art and Society (PD-FCTAS), held at the Faculty of Sciences of the University of Lisbon, 7-8 de June 2017.
- Coordination of the CFCUL *Permanent Seminar of Philosophy of Sciences*, held at the Faculty of Sciences of the University of Lisbon, since 2017.

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## **Exhibitions**

- Member of the organizing committee of an exhibit on “*Jean-Jacques Rousseau 1712-1778*”, promoted by the project Jean Jacques Rousseau, held at the National Library Lisbon, April-May 1979.
- Collaborator in the construction of a “*Centre of Documentation on Interdisciplinary and Disciplinary Integration*,” Department of Education, Faculty of Sciences of the University of Lisbon, 1995.
- Participation in the concept and general organization of the exhibit «*Islands of Utopia*», Livraria ler Devagar, Lisbon, October 2004.
- Responsible for the organization of three dossiers available at the exhibition «*Islands of Utopia*», 1. "From Thomas More to Rousseau"; 2. " XIX century. Au dela Utopical Socialism. The

- hope in the future city"; 3. " XX century. From black utopia to the disappearance of the borders of the idea of utopia ", 2004.
- Organizer of an exhibition of a video installation, *Beta Pictoris I*, authored by Rodrigo Vilhena, realized in the context of the project "Image in Science and Art", Travessa Convento de Jesus 12A e 16A, Lisbon, January 2008.
  - Organizer of the exhibition *Vesaluis. A redescoberta da Anatomia* ("Vesalius. The rediscovery of Anatomy"), commissioned by Manuel Valente Alves, realized in the context of the project "Image in Science and Art", Faculty of Medicine of the University of Lisbon, 12 May 2009.
  - Organizer of an exhibition of a video installation *Solaris ou a impossibilidade do fim* ("Solaris or the impossibility of the end"), authored by Rodrigo Vilhena, realized in th context of the project "Image in Science and Art", Lisbon, 2009.
  - Organizer of an exhibition of a video installation *Beta Pictoris II*, authored by Rodrigo Vilhena, realized in the context of the project "Image in Science and Art", Travessa Convento de Jesus 12A e 16A, Lisbon, 2009.
  - Coordinator of the exhibition 'CorpoIMAGEM' (*BodyIMAGE-Representations of the body in science and art*), with Catarina Nabais, Cristina Tavares, Manuel V. Alves, Marco Pina, Pedro Silva, Ricardo Reis, Silvia di Marco, held at the Pavilhão do Conhecimento - Ciência Viva, Lisbon, 2 February-30 March 2011. <[http://ica.fc.ul.pt/exposicao\\_fotos.html](http://ica.fc.ul.pt/exposicao_fotos.html)>
  - Organizer of the exhibition of porcelain artworks *From Science to Art. Porcelain Garden*, authored of Rob Kessler, realized in the context of the project "Image in Science and Art", Lisbon, Calouste Gulbenkian Foundation, 17-19 February 2011.

## Talks

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### International talks

- *The Leibnizian theory of the representativity of the sign*, communication to the “IV Internationale Konferenz zur Geschichte der Sprachwissenschaften”, Trier, Germany, 26 August 1987.
- *La théorie leibnizienne de la pensée aveugle en tant que perspective sur quelques des apories linguistiques de la modernité*, invited speaker at the “International Colloquium Reading of Modernity”, Franco-Portuguese Institut, Lisbon, 27 May 1987.
- *Epistémologie et formation des enseignants*, communication to the « XII Conférence de L'Association pour la Formation des Enseignants en Europe », Berlin University, Germany, 8 September 1987.
- *Leibnizian strategies for the semantical foundation of the universal language*, communication to the “V Internationaler Leibniz Kongress“, Hannover, Germany, 16 November 1988.
- *Cultural History and disciplinary specialization*, keynote speaker to the “Fourth International Conference - Explorations in Cultural History,“ Aberdeen University, UK, 27- 30 June 1989.
- *Comparative lines between Leibniz's theory of language and Spinoza's reflexion on language themes*, keynote speaker to the “Symposium Leibniz und Spinoza: Konfrontation zweier Philosophien am Beginn der Neuzeit,“ Hannover, Germany, 3 -8 September 1989.
- *Hobbes's influence on the Leibnizian project of a universal language*, communication to the “V International Conference on the History of Linguistics”, Galway, Ireland, 1-6 September 1990.
- *Wilkins and Leibniz on knowledge organization*, invited speaker to the international conference “John Wilkins: Language,

Religion and Science”, St. Peters College, Oxford, UK, 8-11 September 1990.

- *The place of the ‘Dissertatio de Stylo Philosophico Nizolii’ in the leibnizian praise of the German Language*, communication to the “International Conference Italy and Europe in Renaissance Linguistics”, Istituto di Studi Rinascimentali, Ferrara, Italy, 20-24 March 1991.
- *Leibniz's Preface to Nizolius and the polemics on philosophical style*, keynote speaker to the “Institute for Advanced Studies da Hebrew University of Jerusalem”, Israel, 6 April 1995.
- *A unidade da filosofia da linguagem de Leibniz (The unity of Leibniz's language philosophy)*, keynote speaker to the International Colloquium “Descartes, Leibniz e a Modernidade”, held at the Faculty of Letters of the University of Lisbon, 28 November 1996.
- *La théorie leibnizienne de la pensée aveugle en tant que perspective sur quelques-unes des apories linguistiques de la modernité*, keynote speaker to the International Colloquium « Epistémologie Historique de la Linguistique » put forward by the Société Suisse de Linguistique, Institut Universitaire Kurt Bosch, Sion, Switzerland, 1- 5 September 1997.
- *The program of Unified Science by Neurath and Leibniz*, invited speaker to the “Institut für Philosophie”, held at the Vienna University, Austria, 20 September 1999.
- *Knowledge as encyclopaedia. Unity and transversality*, invited speaker to the Institut Wiener Kreis and Vienna University Conference “Concepts of Knowledge and Economic Thought by and on Otto Neurath and Joseph Popper-Lynkeus,” held at the Zentrum für Überfakultäre Forschung, Vienna University, Austria, 3-5 May 2000.
- *Hobbes's thesis of the arbitrariness of the sign*, communication to the Annual Meeting of the “Henry Sweet Society for the History of Linguistic Ideas”, held at the Edinburgh University, UK, 20-23 September 2000.

- *Leibniz and the encyclopaedic project*, invited speaker to the conference “Ciencia, Tecnologia y Bien Común: La Actualidad de Leibniz”, held at the València Politechnical University, Spain, 21-23 Mar 2001.
- *L'Introuvable Philosophie des Sciences*, plenary lecture by invitation at the « Séminaire Philosophique Franco-Portugais », held at the Instituto Franco-Português, Lisbon, 26 November 2001.
- *Interdisciplinaridade e Integração dos Saberes (Interdisciplinarity and the integration of knowledge)*, plenary lecture by invitation to the “Congresso Luso Brasileiro sobre Epistemologia e Interdisciplinaridade na Pós-Graduação”, held at the Catholic University of Rio Grande do Sul, Porto Alegre, Brazil, 21 June 2004.
- *Interdisciplinaridade e progresso das ciências (Interdisciplinarity and the progress of sciences)*, plenary lecture by invitation to the “Congresso Luso Brasileiro sobre Epistemologia e Interdisciplinaridade na Pós-Graduação”, held at the Caxias do Sul University, Brazil, 23 June 2004.
- *L'évolution de la notion d'encyclopédie : 116 avant J.C (Varro) - XXIème siècle*, invited speaker to the « Maison de Sciences Humaines du Nord-Pas de Calais, held at the Université de Lille 3, France, 17 November 2004.
- *Unity of Science. Programs, Configurations and Metaphors*, plenary lecture by invitation at the “Zentrum für Literaturforschung”, Berlin, 26 January 2005.
- *One of the most celebrated texts from Leibniz: "Meditationes de Cognitione, Veritate et Ideis"*, invited speaker to the “Zentrum für Literaturforschung”, Berlin, 31 January 2005.
- *Unity of Science. From the Idea to the Configurations*, plenary lecture presented at the “First Lisbon Colloquium for the Philosophy of Science - Unity of Science. Non-Traditional Approaches”, put forward by the CFCUL, held at the Teatro Trindade, Lisbon, 25-28 Oct 2006.

- *Leibnizian Roots of Neurath's Encyclopaedism and the Contemporary Significance of Neurath's Conception of Unity of Science*, communication to the “Deuxième Congrès de la Société de Philosophie des Sciences. La Question de l'Unité des Sciences Aujourd'hui”, Genève, 29-31 March 2007.
- *Science and technoscience. Is there a place for philosophy of science?* invited speaker to the international workshop “Technoscience: Epistemological and Sociological Approaches”, ICS Social Sciences Institute of the University of Lisbon, Lisbon, 21 May 2007.
- *La Unidad de las Ciencias (Unity of Sciences)*, invited speaker of the Grupo de Lógica, Lenguaje e Información to the “Iberic Journeys I – Contemporary Philosophy”, Seville University, Spain, 19 March 2007.
- *Leibniz. Linguagem e Conhecimento (Leibniz. Language and Knowledge)*, keynote speaker to the “I Luso-Brasileiro Leibniz Colóquio”, promoted by PUC-Rio de Janeiro (Programa de Pós-Graduação em Filosofia), UERJ (Programa de Pós-Graduação em Filosofia e Centro de Estudos de Filosofia Moderna) and the Centre for Philosophy of Science of the University of Lisbon, held at PUC, Rio de Janeiro, Brazil, 21-23 November 2007.
- *Neurath e as metáforas da Unidade da Ciência (Neurath and the metaphors of the Unity of Science)*, plenary lecture by invitation at the “Iberic Journeys III – Logics and Philosophy of Science”, Faculty of Sciences of the University of Lisbon, Lisbon, 27-29 February 2008
- *Dispersão e Unidade. Para uma Poética da Simpatia (Dispersion and Unity. Towards a Poetics of Sympathy)*, opening lecture by invitation to the conference “IX Encontro Nacional de Pesquisa em Ciência da Informação (ENANCIB)”, promoted by the Associação Nacional de Pesquisa e Pós-Graduação em Ciência da Informação (ANCIB), Communication and Arts School of the São Paulo University, São Paulo, Brazil, 28 September-1



October 2008.

- *Interdisciplinaridade: imagens, pensamentos e saberes sensíveis* (*Interdisciplinarity: sensible images, thoughts and knowledges*), opening lecture by invitation at the “I Journey of and on Interdisciplinarity”, promoted by the Grupo de Pesquisa em Educação Continuada e Laboratório de Artes Cênicas (Pitágoras 500), Programa de Pós-Graduação e Artes and Unifesp, Brazil, 2 October 2008.
- *Os Desafios da Interdisciplinaridade* (*The Challenges of Interdisciplinarity*), invited speaker at the “Journey of and on Interdisciplinarity”, promoted by the Grupo de Pesquisa em Educação Continuada e Laboratório de Artes Cênicas (Pitágoras 500), Programa de Pós-Graduação e Artes e Unifesp, Brazil, 2 October 2008.
- *A major contribution from Hobbes’ Philosophy of Language*, plenary lecture to the “IV Iberic Journeys of Philosophy of Science, Logics and Language”, Faculty of Philosophy, Seville University, 26/27 February 2008.
- *Operativity and Representativity of the Sign in Leibniz*, plenary lecture to the Internacional Workshop on Diagramatic Thought, promoted by the FCT Project “Image in Science and Art”, Faculty of Sciences of the University of Lisbon, Lisbon, 24 March 2009.
- *Interdisciplinary Changes for the Study of Emergent Phenomena*, invited speaker to the “Arrábida Meetings”, promoted by the “Complexity Sciences Institute” (ICC), Mosteiro da Arrábida, Portugal, 7-9 July 2009.
- *Image in Science and Art*, invited speaker to the Workshop “Imag(in)ing the Nanoscale”, Maison des Sciences de l’Homme, Paris, 5-6 October 2009.
- *Reason and Computing, from Lull to Leibniz*, invited speaker closing lecture by invitation at the “V Iberic Journey”, put forward by the Project “Universal Logics and Unity of Science”, Faculty of Sciences of the University of Lisbon, Lisbon, 25-26

February 2010.

- *Science and Art. Variations upon a Common Ground*, closing conference by invitation at the international colloquium “Nomadic 09-10”, Rektorship of the Oporto University, Oporto, 25 March 2010
- *Three Roots for Leibniz's Contribution to the Computational Conception of Reason*", invited speaker to the “6th Conference on Computability in Europe”, CiE 2010, Ponta Delgada, Azores, Portugal, 2 July 2010.
- *Models and Representations of Knowledge Organization*, invited speaker to the “European Conference on Complex Systems - ECCS'10 LISBON”, held at ISCTE-Lisbon University Institute, 13 September 2010.
- *Epistemological Features of Nano Images*, communication to the “S.NET 2010 - Second Annual Conference of the Society for the Study of Nanoscience and Emerging Technologies”, Technische Universität Darmstadt, Germany, 1 October 2010.
- *Unity of Science and Encyclopaedia: Idea and Configurations, Philosophical Dialogue*, closing conference by invitation to the “International Conference in Honor of Marcelo Dascal's Forty Years of Academic Scholarship”, held at Tel Aviv University, Gilman Building, Drachlis Hall, section six: Philosophy and Beyond, 11 November 2010.
- *Interdisciplinaridade: conceito, problemas e perspectivas (Interdisciplinarity: concept, problems and perspectives)*, opening lecture by invitation to the “Seminário Latino-Americano sobre Interdisciplinaridade no Ensino de Ciências da Natureza”, Foz do Iguaçu, Paraná, Brasil, 08 - 11 December 2010.
- *Several concepts of intuition in Poincaré's philosophy of mathematics*, communication to the Symposium “Poincaré, Philosopher of science: a historical and philosophical approach, 14th Congress of Logic, Methodology and Philosophy of Science”, held at Nancy, France, 25 July 2011.

- *What about Neurath's program of Unity of Science today?* invited speaker to the colloquium "The Vienna Papers of Delfim Santos and the Philosophy of Science in Portugal / 75 anos de 'A situação valorativa do positivismo' de Delfim Santos", held at Faculty of Sciences of the University of Lisbon, Lisbon, 4 -5 November 2011.
- *Leibniz: Intuition and Symbolism*, invited speaker at the "VI Iberic journeys / Logics, Language, Mind and Science", held at Faculty of Philosophy, Complutense University of Madrid, 17-18 November 2011.
- *Les Langues et les Cultures Textuelles de l'Europe*, invited speaker to the colloquium "À quoi l'Europe sert-elle encore ? Un débat entre l'Allemagne, la France et le Portugal", held at Calouste Gulbenkian Foundation in France, Paris, 2-3 Dec 2011.
- *Iconic turn and its impact in Philosophy of Science*, invited speaker to the colloquium "Nuevos paradigmas en el discurso científico", put forward by the Grupo de Lógica, Lenguaje e Información of the Seville University, 15-16 December 2011.
- *Bachelard et la Cité Savante*, invited speaker to the colloquium "Bachelard 2012. Le surrationalisme 50 ans après. Journées de Synthèse", held at Ecole Normale Supérieure, Paris, 21-23 May 2012.
- *Concepções de Intuição na Filosofia da Matemática de Poincaré (Conceptions of Intuition in Poincaré's Philosophy of Mathematics)*, invited speaker to the Federal University of Goiás, Brazil, 8 October 2012.
- *Filosofia, educação e interdisciplinaridade (Philosophy, Education and Interdisciplinarity)*, invited speaker to the Federal University of Goiás, Brazil, 9 October 2012.
- *Interdisciplinaridade: Desafios e Inovações (Interdisciplinarity: Challenges and Innovations)*, invited speaker (opening lecture) at the "4º Simpósio Internacional de Linguagens Educativas, Interdisciplinaridade: desafios e Inovações", held at University

Sagrado Coração - Bauru/SP, Brazil, 16 October 2012.

- *Rousseau, la Science et la Paix avec le Monde*, plenary speaker to the « International Colloquium Rousseau and the Sciences », held at Palace Belmonte, Lisbon, 16 November 2012.
- *Sciences des formes et formes des sciences*, invited speaker to the international colloquium "Les Sciences des Formes", organized by Caroline Challan Beval and Thomas Golsenne, École Supérieur d'Arts Villa Arson, Nice, France, 2013.
- *Radeau de Pierre*, invited speaker to the third meeting « After the discoveries, what redesccovery of Europa? », international rechearch program "*Transmed! Mediteranean thinking and European conscienceness*", organized by the Franco-German office for the jungess (Berlim/Paris) with the Collège International de Philosophie (Paris), Faculty of Sciences of the University of Lisbon, 16th May 2013.
- *Epistemology of interdisciplinarity*, invited speaker of the Università di Salento, Dipartimento di Ingegneria dell'Innovazione e Dipartimeno di Studi Umanistici, Lecce, Italy, 7 May 2014.
- *Relaciones de la Filosofía con la Enseñanza de la Filosofía. Dilemas y Paradojas*, invited speaker to the « International Conference on Teaching Innovation in Philosophy, II Jornadas de Innovación Docente en la Enseñanza de la Filosofía », Faculty of Philosophy of the Complutense University of Madrid, 7 November 2014.
- *Unity of science and interdisciplinarity*, plenary lecture to the “1st Workshop of the Thematic Line Unity of Science and Interdisciplinarity: How to think Interdisciplinarity”, Faculty of Sciences of the University of Lisbon, 13 March 2015.
- *Une espèce de femme cachée sous des habits d'un homme...*, invited speaker at the international workshop “Gender History: from Modernity to Contemporarity. Interdisciplinary Constructions”, put forward by the Institute of Contemporary History (CEHFC) of Évora University, Évora, 4 March 2016

- *Leibnizian grounds for the idea of universal machine*, invited speaker to the “Amílcar Sernadas surprise Conference”, IST, Anfiteatro do Complexo Interdisciplinar, 23th April 2016
- *Scientific images may also be transgressive. An epistemological approach*, communication to the international conference “Taboo – Transgression - Transcendence in Art and Science”, Ionian University, Corfu, Greece, 20-21 May 2016.
- *Science and Democracy*, keynote speaker of the IASC International Conference, held at Pisa University, Italy, 26-28 October 2016.
- *Leibniz e a Ideia de Máquina Matemática*, keynote speaker at the international colloquium “Labirinto da Harmonia”, held at Biblioteca Nacional of Lisbon, 14 November 2016
- *On Creation in Science and Art*, plenary lecture by invitation of the Sevilha University, Sevilha, 21 November 2016.
- *Past, present and future main determinations of ID*, communication to the IFOSS20 “Interdisciplinary Futures: Open the Social Sciences 20 years later”, Intrepid Cost Conference, held at Calouste Gulbenkian Foundation, 19-20 January 2017.
- *Introduction talk*, international Workshop “Illustrative Interdisciplinary Cases”, plenary lecture at the IV Workshop of the Thematic line Unity of Science and Interdisciplinarity, held at Faculty of Sciences of the University of Lisbon, 23th March 2017.
- *Science and Art. Analogies and differences*, keynote speaker at the “Second World Congress on Analogy”, held at Poznań University, Poland, 24-26 May 2017.
- *ID main determinations and difficulties*, keynote speaker at the IASC International Conference “Crossing Borderlines: Controversies and Interdisciplinarity”, held at FCUL, Lisbon, 1-2 June 2017.
- *O misterio da Criação (The Mystery of Creation)*, keynote

speaker at the session untitled “Adequation and Creation”, in the context of F.A.C.T.T. 2017 — Festival of Art and Science Trans-disciplinar and Trans-National, held at Central Tejo, Lisbon, 23 September 2017.

- *Prospective approach to scientific images*, keynote speaker, at the POND 2017, “Aspects of Objectivity in Science” — organized by the POND network (Philosophy of Science Around the Mediterranean), held at the University of Athens, Athens, Greece, 29th September 2017
- *The seriousness of the arbitrary claim*, keynote speaker at the “Axiomatic Thinking Conference” joint organization of the Lisbon Academy of Sciences and Académie Internationale de Philosophie des Sciences, held at Faculty of Sciences and Technology of Lisbon New University, held at Campus Caparica, 13 October 2017
- *Mapas disciplinares e Cartografias do saber*, invited speaker (closing conference) at the III Congresso ISKO Espanha-Portugal / XIII Congresso ISKO Espanha, organization of the “Information Sciences Section of the Faculty of Letters of the University of Coimbra, 24th November 2017
- *Interdisciplinary Challenges* (video conference) invited speaker in the context of the Doctoral Program on Complexity Sciences, ISCTE, coordinated by Jorge Louça, 29 November 2017, 18h-20h.
- *Bachelard et la cité savante*, invited speaker at the “Seminaire Bachelard et le Surrationalisme” organized by Vincent Bontemps, École des Mines, Paris, 22 Mai 2018, 18-20h.
- *Mysteries and ambiguities of intuition. The example of Poincaré’s philosophy of mathematics*, keynote speaker (closing conference) at the “Model-Based Reasoning Conference” (MBR18\_Spain), University of Sevilla, 24-26 October 2018.

## National talks

- *Deriva a partir de Rousseau (Drift from Rousseau)*, communication to the Portuguese Philosophy Society, Lisbon, 24 May 1979.
- *Do texto no ensino da Filosofia (On the text in Philosophy Teaching)*, communication to the "Segundo Encontro Nacional de Professores de Filosofia", Fundação Calouste Gulbenkian, Lisbon, 15 February 1980.
- *Análise crítica da pedagogia por objectivos (Critical analysis of pedagogy by objectives)*, communication to the Congresso de "Pedagogia por Objectivos" promoted by Piaget Institut, Recktorship of the University of Lisbon, 7 February 1983.
- *Rousseau no feminino (Rousseau in the feminine)*, invited speaker at the Azores University, Ponta Delgada, 16 May 1983.
- *Ensino da filosofia: conceito e imagem (Teaching philosophy: concept and image)*, invited speaker to Lisbon Pedagogical Center, 1 June 1983.
- *Mudar a escola, mudar a educação (Changing the school, changing education)*, invited speaker to the colloquium "Mudar a Política, Mudar a Cultura, Mudar a Educação", D. Pedro V Secondary School, Lisbon, 6 June 1984.
- *Problema e problematização na aula de Filosofia (Problem and problematization in the Philosophy class)*, "Encontro Regional de Professores de Filosofia", D. Pedro V Secondary School, Lisbon, 8 May 1984.
- *Explicação e objectividade em contexto escolar (Explanation and objectivity in the school context)*, invited speaker at the colloquium "Objectivity in Sciences", Auditório da Casa da Cultura das Caldas da Rainha, 27 May 1986.
- *Para uma fenomenologia do acto educativo (Towards a phenomenology of the educational act)*, invited speaker at colloquium "Institution and Philosophy", Eng. António de Almeida Foundation, Oporto, 8 November 1986.

- *Meio é a mensagem: McLuhan e as novas tecnologias (Medium is the Message: McLuhan and the new technologies)*, invited speaker at the "Computer week", Department of Education, Faculty of Sciences of the University of Lisbon, 12 January 1987.
- *Leibniz e a língua alemã (Leibniz and the German language)*, communication to the "Encontro de Professores de Alemão", Faculty of Arts University of Lisbon, 14 February 1987.
- *Investigação e ensino: articulações (Research and education: articulations)*, invited speaker Seminar on "Research and Teaching", Department of Education, Faculty of Sciences of the University of Lisbon, 19 - 20 February 1987.
- *Hannah Arendt ou o papel do filósofo face à crise da educação (Hannah Arendt or the role of the philosopher in the education crisis)*, invited speaker at the "First Meeting on Philosophy in Non/Philosophical Contexts", Aveiro Cifop, 7-8 March 1987.
- *Problemas da formação de professores de filosofia (Some problems concerning the training of philosophy teachers)*, invited speaker at the Philosophy Teachers Association "Second Philosophy Meeting of Central Region", Paulo Quintela Theater, Faculty of Arts Coimbra, 30 April 1987.
- *Leibniz e o problema de uma língua universal: apresentação de uma investigação (Leibniz and the problem of a universal language: presentation of a research)*, invited speaker at the cycle of the Portuguese Philosophy Society "Thesis", Lisbon, 3 June 1987.
- *Situação curricular da Filosofia no Ensino Secundário (The curriculum of Philosophy in Secondary Education)*, invited speaker at the Colloquium "Who is afraid of Philosophy?", Câmara Municipal Setúbal, 15 January 1988.
- *Notas sobre as instituições da Filosofia (Notes on the institutions of Philosophy)*, invited speaker at the Colloquium "Philosophy face to technological Culture", put forward by the Associação dos Professores de Filosofia, Aula Magna of the Recktorship of



the University of Lisbon, 22 January 1988.

- *Bachelard: epistemólogo e pedagogo (Bachelard: epistemologist and educator)*, "Interdisciplinar Seminar on Bachelard", Faculty of Science of the University of Lisbon, 4 May 1988.
- *Reforma e critérios de legitimação curricular (Reform and curricular legitimation criteria)*, communication to the Colloquium "Reforma do Sistema Educativo", Departamento of Education, Faculty of Sciences of the University of Lisbon, 24 June 1988.
- *Epistemologia e Matemática: algumas observações (Epistemology and Mathematics: some remarks)*, invited speaker by Prof. Luís Saraiva, Faculty of Sciences of the University of Lisbon, 29 November 1988.
- *Projecto epistemológico de Bachelard (Bachelard's epistemological Project)*, invited speaker at the Faculty of Arts of the University of Lisbon, 12 January 1989.
- *Linguagem e escola: os lugares da Filosofia (Language and school: the place of Philosophy)*, invited speaker at the Colloquium "Reason and Critique", put forward by the "Associação dos Professores de Filosofia", Recktorship of the University of Coimbra, 11 February 1989.
- *Filosofia e método (Philosophy and method)*, keynote speaker at the Colloquium "Filosofia e História da Filosofia", put forward by the Faculty of Arts of the University of Lisbon, 12-13 April 1989.
- *Epistemologia, linguagem (da Química) e ensino. Algumas observações interdisciplinares (Epistemology, Chemistry's language and education. Some interdisciplinary remarks)*, invited speaker at the colloquium "Ensino Superior da Química em Línguas Internacionais de Origem Latina. Química, Encruzilhada de Disciplinas", Calouste Gulbenkian Foundation, Lisbon, 8-10 November 1989.
- *Eticidade / racionalidade na comunicação e ensino do conhecimento científico (Ethics/ rationality in the*

- communication and teaching of scientific knowledge*), invited speaker at the colloquium "Ética e Investigação Científica", put forward by the Association for the development of Science and Technolog, Picoas Forum, Lisbon, 9 -11 November 1989.
- *Um diálogo interdisciplinar (An interdisciplinary dialogue)*, invited speaker at the meeting "O Currículo no Ensino, o Programa na Formação Profissional", Lisbon, 18 December 1990.
  - *Epistemologia e ensino das Ciências (Epistemology and Science Teaching)*, invited speaker at the "IV Encontro Regional de Lisbon e Zona Sul", Museum of Natural History, Faculty of Sciences of the University of Lisbon, 23-25 May 1991.
  - *Porquê a interdisciplinaridade? (Why interdisciplinarity?)*, Seminar "O que é a Interdisciplinaridade?", promoted by the "Project Mathesis", Department of Education Faculty of Sciences of the University of Lisbon, Lisbon, 12 June 1991.
  - *A Matemática e o trabalho de "dar a ver" (Mathematics and the work of "showing")*, keynote speaker (closing lecture) at the "Encontro Nacional de Professores de Matemática (ProfMat)", put forward by the Associação de Professores de Matemática, Alves Martins Secondary School, Viseu, 4-7 November 1992.
  - *Para um modelo reflexivo de formação de professores (Towards a reflexive model of teacher training)*, communication to the seminar "O Ensino Superior e a Formação de Professores em Portugal", Calouste Gulbenkian Foundation, 21-22 January 1993.
  - *Problemas e perspectivas da interdisciplinaridade (Problems and perspectives of interdisciplinarity)*, communication to the symposium "Novas Perspectivas no Ensino das Ciências e da Matemática", Calouste Gulbenkian Foundation, 23-25 June 1993.
  - *Integração interdisciplinar. Categorias de análise (Integration across disciplines. Analysis categories)*, with Teresa Levy and Henrique Guimarães, communication to the Symposium "Novas Perspectivas no Ensino das Ciências e da Matemática",

Calouste Gulbenkian Foundation, 23-25 June 1993.

- *A interdisciplinaridade como exigência curricular (Interdisciplinarity as a curricular requirement)* invited speaker at the "Primeira Conferência sobre Interdisciplinaridade no Ensino: Reflexões e Práticas sobre a Área Escola", Auditório Eng. Eurico de Melo, St. Tirso, 6 May 1994.
- *A proximidade do ensino da Filosofia à própria essência do ensino (The proximity of the teaching of philosophy to the very essence of education)*, invited speaker at the colloquium «Ensino da Filosofia e Filosofia do Ensino», put forward by the Department of Philosophy, Faculty of Arts of the University of Lisbon, 24-25 November 1994.
- *A ideia de arbitrariedade na filosofia da linguagem de Hobbes (The idea of arbitrariness in Hobbes' philosophy of language)* invited speaker at the colloquium "Hobbes and the Leviatan", Faculty of Human and Social Sciences, New University of Lisbon, 18 May 1995.
- *Estaremos a caminho para uma escola de sucesso? (Are we on the path to a successful school)*, invited speaker at the "Encontro Regional de Professores de Matemática", Forum da Maia, 13 September 1995.
- *Comunicação e construção do conhecimento (Communication and knowledge building)*, invited speaker at the "10ª Conferência Nacional de Física and 6º Encontro Ibérico para o Ensino da Física", University do Algarve, Faro, 17 September 1996.
- *A interdisciplinaridade no ensino e na investigação (Interdisciplinarity in teaching and research)*, invited speaker at the "Ciclo de Interdisciplinaridade. Saber de Risco Sísmico com o Mínimo de Risco Ambiental", Faculty of Sciences of the University of Lisbon, Lisbon, 19 December 1996.
- *Da classificação dos seres à classificação dos saberes (From the classification of beings to the classification of knowledge)* invited speaker at the colloquium "Classification", organized by the journal *Leituras. Revista da Biblioteca Nacional, Biblioteca*

*Nacional de Lisbon, 21 October 1997.*

- *Recordar Agostinho da Silva: 10 anos depois (Remembering Agostinho da Silva, 10 years later)*, 1st session "Ciclo de Conferências Agostinho da Silva", Faculty of Sciences of the University of Lisbon, 17 December 1998.
- *Palavra, pecado e redenção. O lugar do pai na língua mãe (Word, sin and redemption. The father's place in the mother language)*, invited speaker at the "XII Colóquio de Psicanálise. O Mito e a Psicanálise", Faculty of Psychology of the University of Lisbon, 12-13 March 1999.
- *Notas à margem do projecto "Escolas inclusivas" (Remarks on the sidelines of the project "Inclusive schools")*, participation in the 2ª Sessão do "Ciclo de Conferências Agostinho da Silva", Faculty of Sciences of the University of Lisbon, 4 May 1999.
- *Sobre a emergência da Universidade Mundial Electrónica. Notas à margem da conferência de Parker Rossman (On the emergence of Worldwide Electronic Universities. Notes on the sidelines of Parker Rossman conference)*, colloquium "From the Idea of University to the University of Lisbon", Recktorship of the University of Lisbon, 30 November 1999.
- *Curriculum: critérios de legitimação (Curriculum: legitimacy criteria)*, invited speaker at the "Jornadas Pedagógicas do Pinhal", put forward by the Centro de Formação do Pinhal, Municipal Auditorium of Proença-a-Nova, 23 March 2000.
- *Biblioteca. A alma da Escola (Library. The soul of the School)*, invited speaker of the Câmara Municipal of Lisbon at the Colóquio "Bibliotecas e Novas Tecnologias", Lisbon Forum, 11-13 Oct 2000.
- *A escola como memória do futuro (The school as memory of the future)*, invited speaker of the Associação Agostinho da Silva, colloquium "Homenagem a Agostinho da Silva", Sala do Arquivo, Paços do Concelho, Lisbon, 14-15 February 2001.
- *Da autoridade ao autoritarismo (From authority to authoritarianism)*, invited speaker of the Associação Nacional

dos Professores do Ensino Secundário, Seminário "Autoridade, Responsabilidade e Indisciplina nas Escolas", High School of Communication, Lisbon, 15 -16 February 2001.

- *Professor: profeta do passado, memória do futuro (The teacher: prophet of the past, memory of the future)*, invited speaker at the "Segundo Encontro de Investigação e Formação: Criatividade, Afectividade e Modernidade", Escola Superior de Educação of Lisbon, 22-24 November 2001.
- *Hipertexto como limite da ideia de enciclopédia (Hypertext as the limit of the idea of encyclopedia)*, Seminário do Projecto Enciclopédia e Hipertexto, Faculty of Sciences of the University of Lisbon, 4 December 2002.
- *A Matemática, a guerra e a paz (Mathematics, war and peace)*, invited speaker of the ATTAC, colloquium "Visões Colaterais. A Ciência face à Guerra", Faculty of Human and Social Sciences, New University of Lisbon, 5 April 2003.
- *Biblioteca e escola. O esplendor de uma articulação (Library and the school. The splendor of an articulation)*, invited speaker at the "Jornadas de Bibliotecas Escolares do Concelho de Vila Franca de Xira: Literacias, Conhecimentos e Bibliotecas Escolares", Câmara Municipal Vila Franca de Xira, 30-31 October 2003.
- *Epistemologia da interdisciplinaridade (Epistemology of interdisciplinarity)*, invited speaker at the "Internacional Seminar on Interdisciplinarity, Humanism and University", put forward by Cátedra Humanismo Latino, Oporto Faculty of Arts of the Oporto University, 12-14 November 2003.
- *A Matemática: rainha e serva das disciplinas científicas (Mathematics: queen and servant of the scientific disciplines)*, invited speaker at the "Baú da Matemática. Encontro de Professores de Educação Básica", organized by "Calculus. Centro de Investigação e Cultura Matemática do IPPorto", Forum Cultural de Ermesinde, 20 -21 November 2003.
- *O insuportável brilho da escola (The unbearable brightness of the*

school), keynote speaker at the Internacional Conference "Direitos e Responsabilidades na Sociedade Educativa", Fundação Calouste Gulbenkian, Lisbon, 26 -27 November 2003.

- *A escola e o seu essencial destino cognitivo (The school and its essential cognitive destination)*, invited speaker at the "Sessão de Estudos: Educação, Cidadania e Justiça Social numa Sociedade Global", Casa das Irmãs Franciscanas de N. Sr<sup>a</sup> das Vitórias, Apelação, Loures, 7-8 February 2004.
- *Lugar da filosofia da ciência. Atipicidade e suas razões (The place for philosophy of science. Atypicality and its reasons)*, invited speaker (opening lecture) to the Colloquium "Ainda não Doente. Contributos Multidisciplinares para uma Filosofia da Saúde", organized by the Social Sciences Institute of the University of Lisbon, Centre of Bioethics of the Medicine Faculty of the University of Lisbon, Centre for Philosophy of Science of the University of Lisbon, Centre for the Study of Philosophy of Medicine-IOP/FG, Centre of Philosophy of the University of Lisbon and Calouste Gulbenkian Foundation, Lisbon, 10 March 2004.
- *Claro que a Física é Cultura! (Of course, Physics is culture!)*, invited speaker in the series of conferencies "Física é Cultura!", "XIV Encontro Ibérico para o Ensino da Física - Escola de Educação em Física 2004", promoted by the Portuguese Physics Society, Instituto Superior de Engenharia, Oporto, 9 September 2004.
- *Por que é que Rousseau não é um utopista mas parece? ("Why Rousseau is not a utopian but appears to be?")*, invited speaker at the exhibit "Ilhas da Utopia", Livraria Ler Devagar, Lisbon, 15 October 2004.
- *Tarefas para a Filosofia da Ciência no início do século XXI ("The Philosophy of Science tasks at the beginning of the XXI century")*, invited speaker to the Journeys "Diálogo entre Projectos", promoted by Centro Interdisciplinar de Ciência,

Tecnologia e Sociedade da University of Lisbon (CICTSUL), Bento da Rocha Cabral Science research Institut, Lisbon, 4 March 2005.

- *Filosofia, Física e a Unidade da Ciência* (“*Philosophy, Physics and the Unity of Science*”), invited speaker at the Cycle “Física sem Fronteiras”, Portuguese Physics Society and Physics Departament of the University of OPorto, Oporto University, Recktorship Auditorium, 7 May 2005.
- *O que é o Logicismo?* (“*What is logicism?*”), participation in the 2<sup>a</sup> session of the “Gimnasium of the Center for Philosophy of Sciences“, Faculty of Sciences of the University of Lisbon, 9th November 2005.
- *O que é um Objecto?* (“*What is an object?*”), participation in the 3rt session of “Gimnasium of the Center for Philosophy of Science,“ Faculty of Sciences of the University of Lisbon, 18th January 2006.
- *Enciclopédia e Hipertexto. Entre a suspeita e a perplexidade* (“*Encyclopaedia and Hypertext. Between suspicion and perplexity*”), talk by invitation of the Livraria " Sem Mais nem Menos", OPorto, 26 May 2006.
- *Da Interdisciplinaridade à Complexidade* (“*From interdisciplinarity to complexity*”), invited speaker at the “AFIRSE, XV Colloquium Complexidade: um novo paradigma para intervir em Educação”, Faculty of Psychology of the University of Lisbon, 16 February 2007.
- *Imigrantes, Estrangeiros e Cidadãos. A partir de Hannah Arendt e Bertrand Russell* (“*Immigrants, Aliens and Citizens. From Hannh Arendt to Bertrand Russell*”), invited speaker at the “Conferencia Ibérica Educação para a Cidadania”, promoted by the Children's Identity and Citizenship in Europe, Center of Research in Education of the University of Lisbon and Barcelona Autonomy University, Faculty of Sciences of the University of Lisbon, 9 March 2007.
- *Onde Começa e onde Acaba uma Teoria Científica. Um Problema*

*Recorrente* (“Where does a Scientific Theory begin and where does it end? A Recurring Problem”), plenary talk at the colóquio “Darwinismo versus Criacionismo. Onde começa e onde acaba uma Teoria Científica?”, put forward by the Center for Philosophy of Sciences of the University of Lisbon, Center for Environmental Biology (CBA), Portuguese Natural Sciences Society (SPCN), Central Library of the Faculty of Sciences University of Lisbon and Bookshop Escolar Editora, Faculty of Sciences of the University of Lisbon, Lisbon, 1 March 2007.

- *Ciência e Sociedade. Perspectivas sobre uma relação complexa* (“Science and Society. Perspectives on a complex relationship”), invited speaker of the Environmental Gulbenkian Program and the Joint Research Center at the colloquium “Crise do Ambiente e Interface Ciência / Sociedade”, Calouste Gulbenkian Foundation, 19 April 2007.
- *Unidade da Ciência. O Regresso de uma Ideia* (“Unity of Science. The Return of an Idea”), invited speaker at the International Congresso “A Unicidade do Conhecimento” promoted by the Centre of Research in Education of Évora University, Évora, 17 May 2007.
- *Produção e Transmissão dos Conhecimentos. Escola e Enciclopédia* (“Production and Transmission of Knowledge: School and Encyclopedia”), invited speaker at the “Colóquio Fernando Gil, Arrábida Meetings 2007”, 26-28 June 2007.
- *Característica Universalis e Transcendental Empírico* (“Característica Universalis and Empirical Transcendentals”), invited speaker at the “Jornada de Homenagem a Fernando Gil”, Human and Social Sciences Faculty of the New University of Lisbon, 12 October 2007.
- *Sobre a Educação das Crianças dos 0 aos 12 anos* (“On the Education of Children from 0 to 12 years old”), invited speaker at the Seminar “A Educação das Crianças dos 0 aos 12 anos”, Nacional Education Council, CNE Auditorium, 20 May 2008.
- *Interacções Arte e Ciência* (“Interactions between Art and



- Science*”), invited speaker at the “Conversas na Aldeia Global - A Ciência não Morde”, organization of the Oeiras Municipal Council, Biblioteca Municipal de Oeiras, Oeiras, 20 November 2008.
- *Diários Gráficos como Instrumento de Conhecimento* (“*Graphic Notebooks as Instrument of Knowledge*”), talk by invitation of the Project “Espaços do Desenho,” Lisbon, Fábrica de Braço de Prata, 12th March 2009.
  - *Ciência e Crença. Uma Relação Delicada* (“*Science and Belief. A Delicate Relationship*”), talk by invitation at the “Ciclo de Conferencias - Darwin e a Revolução Darwiniana,” New University of Lisbon, Lisbon, 1st April 2009.
  - *Ilustração entre Ciência e Arte* (“*Illustration between Science and Art*”), talk by invitation at the Workshop “Darwin e a Ilustração Científica”, in the context of the project “A Imagem na Ciência e na Arte,” in collaboration with Ciência Viva, Knowledge Pavillon, Lisbon 21 -22 April 2009.
  - *Diderot, D'Alembert e o Movimento Enciclopedista* (“*Diderot, D'Alembert and the Encyclopaedist Movement*”), invited speaker at the Câmara Municipal de Oeiras, “Ciclo de Conferencias sobre o Iluminismo“, Oeiras, 22 April 2009.
  - *Interdisciplinaridade em Arte* (“*Interdisciplinarity in Arts*”), invited speaker at the “I Congresso Internacional Investigação em Arte”, Calouste Gulbenkian Foundation, 18 May 2009.
  - *Afinal, o que é a Escola?* (“*After all, what is the School?*”), invited speaker at the “Conferências de Lisbon / Lições Abertas” (Org. Rui Tavares), Câmara Municipal de Lisbon, Lisbon, 25 June 2009.
  - *Apresentação de um projecto* (“*Presentation of a project*”), plenary talk at the International Colloquium «Da Civilização da Palavra à Civilização da Imagem», organized in the context of the Project “Image in science and Art”, Franco-Portuguese Institute, Lisbon, 10 - 11 May 2010.
  - *"Matemática e Lógica" de H. Poincaré* (“*H. Poincaré's*

*"Mathematics and Logic"*), talk presented at the "Project Poincaré. Philosopher of Science," Faculty of Sciences of the University of Lisbon, Lisbon, 23 June 2010.

- *Otto Neurath. Uma Comovente Figura de Filósofo do Século XX* ("Otto Neurath. A touching figure in XX century philosophy"), Faculty of Sciences of the University of Lisbon, Lisbon, 17 September 2010.
- *Acerca da Verdade (On truth)*, talk by invitation of the National Ethics Commission, Parque da Saúde, Lisbon, 5 November 2010.
- *Por que não somos ainda Leibnizianos?* ("Why are we not yet Leibnizian?"), invited speaker to Cátedra A RAZÃO, Ciclo de Conferências 2011 "Os Novos Desafios da Razão", Faculty of Humanities of the University of Lisbon, 28 September 2010.
- *Ciência e Interdisciplinaridade* ("Science and Interdisciplinarity"), invited speaker to the Students association of Psychology and Educational Sciences of the University of Coimbra, "Jornadas interdisciplinares 2011", Coimbra, 22th March 2011.
- *As Imagens com que a Ciência se Faz - Filosofia da Imagem e Filosofia da Ciência* ("Images that make up Science - Philosophy of Image and Philosophy of Science"), invited speaker at the "3rd International Symposium of Philosophy of Science", Évora University, 6 May 2011.
- *Difficulties of Intuition by the hand of Poincaré*, "Seminário Permanente de Filosofia das Ciências," Faculty of Sciences of the University of Lisbon, Lisbon, 7 October 2011.
- *Epistemologia da imagem científica* ("Epistemology of the scientific image"), invited speaker to the "Conferências de História e Filosofia das ciências da SAHFC," Faculty of Sciences of the University of Lisbon, Lisbon, 27 October 2011.
- *O livro como extravagância* ("The book as an extravagance"), invited speaker to the "Jornadas Kantianas," put forward by the Oporto Association, Lisbon, 16 March 2012.
- *A iconic turn e o seu impacto na Filosofia da Ciência* ("The iconic

- turn and its impact on the Philosophy of Science*”), talk by invitation to the “Curso de Doutoramento em História e Filosofia das Ciências da SAHFC,” Faculty of Sciences University of Lisbon, Lisbon, 10 May 2012.
- *A Unidade da Ciência* (“*Unity of Science*”), invited speaker to the Colloquium “Science and Philosophy”, University of Azores, 2 November 2012.
  - *Razão e Computação. O Contributo de Leibniz* (“*Reason and Computation. The contribution by Leibniz*”), invited speaker to the Colloquium “Comemorações do centenário de Alain Turing e dos 25 anos da Licenciatura em Ciências da Computação,” University of Minho, Braga, 28 November 2012.
  - *Qual a diferença entre Ciência e Filosofia?* (“*What is the difference between Science and Philosophy?*”), invited speaker of the "Evolution Day", organized by CFCUL / Ciência Viva, Knowledge Pavillon, Lisbon, 16 March 2013.
  - *Que faz um Filósofo da Ciência?* (“*What does a Philosopher of Science do?*”), invited speaker to the series "Encontro com o Cientista", organized by Ciência Viva, Knowledge Pavillon, Lisbon, 8th November 2013.
  - *Máquinas* (“*Machines*”), invited speaker to the workshop "Máquina. Auto-organização social. Computação ubíqua 2.0: abordagens sociais, políticas, éticas e artísticas", organized by the CFCUL Thematic Line “Filosofia das Tecnologias do Humano”, Faculty of Sciences of the University of Lisbon, 10 March 2014.
  - *Epistemologia da interdisciplinaridade* (“*Epistemology of Interdisciplinarity*”), invited speaker to the “II Ciclo de Conferências e Debates Interdisciplinares” organized by Instituto de Investigação Interdisciplinar (III UC) and the Centre of Interdisciplinary Studies of the XX century of the University of Coimbra - CEIS20, Coimbra, 28th April 2014.
  - *O projecto de uma sociologia filosófica da tecnologia* (“*The project of a philosophical Sociology of Technology*”), invited

speaker to the colloquium “Ciência e Humanismo sobre a obra de Hermínio Martins”, Évora University, 26-27 June 2014.

- *O estado da arte da Investigação em Filosofia em Portugal* (“*The state of the art in the philosophical research in Portugal*”), invited speaker to the “1st Portuguese Congress of Philosophy”, organized by Portuguese Philosophy Society, Calouste Gulbenkian Foundation, Lisbon, 6 September 2014.
- *A Epistemologia e as Ciências* (“*Epistemology and the Sciences*”), invited speaker to the “Authom Talks of the Psychiatry Service of the Santa Maria Hospital,” held at the Hospital de Santa Maria, Lisbon, 21th October 2014.
- *Mais passado para o futuro; mais futuro para o passado* (“*More past for the future; more future for the past*”), invited speaker at the serie of talks "Escutar a cidade" put forward by Diocese de Lisbon, Forum Lisbon, 5 March 2015.
- *Filosofia e Matemática* (“*Philosophy and Mathematics*”), invited speaker at the “2<sup>a</sup> edition of the Jornadas de Matemática”, IST, Auditório do Complexo Interdisciplinar, Lisbon, 6th March 2015.
- *In memoriam of Prof. Herminio Martins*, invited speaker (opening session) of the “PhD Program Philosophy of Science, Technology, Art and Society”, Faculty of Sciences of the University of Lisbon, 5th October 2015.
- *A Infinitude da Queda no 'Teeteto' de Platão* (“*The infinitude of the fall in Plato's Teetetus*”), invited speaker to the project ‘Diálogos’ put forward by the Calouste Gulbenkian Foundation, Faculty of Sciences of the University of Lisbon, 29th October 2015.
- *Interdisciplinaridade e Cartografia do Conhecimento no Século XXI* (*Interdisciplinarity and knowledge cartography in the XXI century*”), talk at the III workshop “Interdisciplinarity in Science: Theory and Practice”, put forward by the CFCUL Thematic Line Unity of Science and Interdisciplinarity, Faculty of Sciences of the University of Lisbon, 25th January 2016.

- *A Infinitude da Queda no 'Teeteto' de Platão* (“*The infinitude of the fall in Plato’s Teetetus*”), invited speaker to the project ‘Dialogos’ put forward by the Calouste Gulbenkian Foundation, Faculty of Letters of Coimbra University, 11 April 2016.
- *Filosofia e conhecimento no “Teeteto” de Platão*, lecture at the Doctoral Seminar of the PD-FCTAS, Faculty of Sciences of the University of Lisbon, 10 November 2016.
- *“Conhecimento e medida. Prolegómenos a uma epistemologia da medida (knowledge and measure. Remarks for an epistemology of measure)”*, invited speaker to the Museum of Metrology, Instituto Portugues de Qualidade (IPQ), Monte da Caparica, 7th March 2017.  
<[http://www1.ipq.pt/PT/IPQ/historico\\_eventos/Documents/2017/Sistema-Metrico-evento/OlgaPombo.pdf](http://www1.ipq.pt/PT/IPQ/historico_eventos/Documents/2017/Sistema-Metrico-evento/OlgaPombo.pdf)>
- *“Argumento e racionalidade no Protagoras de Platão” (Argument and rationality at Plato’s Protagoras)*, invited speaker at the Faculdade de Direito da UL, anf. 6, 8th May 2017.
- *“Pensar a interdisciplinaridade”*, invited speaker to the UL College “Food, Farming and Forestry (F3) “pensar INTERDISCIPLINAR thinking”, UI Recktorship Noble Room, 23 January 2017.
- *Ciência e Arte. Proximidades e Diferencas.* invited speaker to the project ‘Dialogos’ put forward by the Calouste Gulbenkian Foundation, Escola Superior de Artes e Design, Caldas da Rainha, 24 October 2017.
- *O Projecto Epistemológico de Piaget*, talk at a “Permanent Seminar of Philosophy of Science” dedicated to *Jean Piaget*, held at the Faculty of Sciences of the University of Lisbon, 9 October 2018.

## **Invited lectures at secondary schools**

- *Verdade, Filosofia e Ciência* (“Truth, Philosophy and Science”), at the Commemorations of the Philosophy Day, invited talk by the Department of Philosophy, Cacilhas-Tejo secondary school (Almada), 17 th November 2016.
- *Ciência e intersdisciplinaridade* (*Science and Interdisciplinarity*), invited talk at Seminars “Science, Education and Democracy”, D. Dinis Secondary School, Lisbon, 18 May 2016.
- *A Espantosa Linguagem da Matemática* (“*The fascinating language of Mathematics*”), talk by invitation at "Ciclo de Conferencias - Uma Escola Publica de Qualidade", António Damásio Secondary Schooll, Lisbon, 20th Janury 2015.
- *Afinal, o que é a ciência?* (“*What is Science after all?*”), talk by invitation of António Damásio Secondary Schooll in the context of the project "Afinal, o que é a ciência?", 9 January 2014.
- *Educação, Investigação, Ciência e Desenvolvimento* (“*Education, Research, Science and Development*”), talk by invitation of the “Centro de formação de professores da região Oeste“, Auditorium of Rafael Bordalo Pinheiro Secondary Schooll, Caldas da Rainha, 31th January 2013.
- *Importância da Filosofia para a compreensão das relações entre Arte e Ciência* (“*The importance of Philosophy for understanding the relationship between Art and Science*”), talk by invitation of Maria Amália Vaz de Carvalho Secondary Schooll, Lisbon, 28 March 2011.
- *Celebrar McLuhan. Escola e Currículo na sociedade de informação* (“*Celebrating McLuhan. School and Curriculum in the information society*”), talk by invitation of Sebastião e Silva Secondary Schooll, Oeiras, 4 April 2010.
- *Lugares da Escola* (“*The places of School*”), talk by invitation of Escola Secundária Prof. Herculano de Carvalho, 4 May 2010.

- *Afinal o que é a escola?* (“*After all, what is the School?*”), talk by invitation at Vitorino Nemésio Secondary School, Lisbon, 26 November 2009.
- *Desafios da escola hoje* (“*Challenges schools face today*”), talk by invitation at Almada Secondary School, Almada, 28 April 2010.  
<<http://bece-esct.blogspot.pt/2010/04/escola-o-ensino-instrucao-segundo-olga.html>>
- *A Construção do Conhecimento Científico* (“*The construction of Scientific Knowledge*”), talk by invitation of the "Science Week", Colégio Moderno, Lisbon, 20 April 2007.
- *Elogio da Transmissão* (“*In Praise of Transmission*”), talk by invitation at Vitorino Nemésio Secondary School, Lisbon, 24 January 2007.
- *A bola de neve da interdisciplinaridade* (“*The interdisciplinarity snowball*”), talk by invitation at Miguel Torga Secondary School, Casal de São Brás, 13 April 2005.
- *Que sucesso se pode esperar da escola?* (“*What success can one expect from school?*”), talk by invitation at Vitorino Nemésio Secondary School, Lisbon, 14 January 2004.
- *A escola e a Europa* (“*School and Europe*”), talk by invitation of the "Week of Europe. Social Europe expectations", Eça de Queiroz Secondary School, Lisbon, 8 May 2003.
- *A ciência e a escola* (“*Science and school*”), plenary talk by invitation at the "IV Journeys of Educational Training. Science and Education", Oliveira de Frades Secondary School, 8-9 May 2003.
- *Problemas da interdisciplinaridade* (“*The problems of interdisciplinarity*”), talk by invitation of the Grupo de Estágio de Educação Física, Stuart Carvalhais Secondary School, Massamá, 19 March 2003.
- *A Escola, a Recta e o Círculo* (“*The school, the straight line and the circle*”), talk by invitation of Vitorino Nemésio Secondary School, Lisbon, 27 March 2003.

- *Sentido e crítica da avaliação escolar* (“*Meaning and criticism school evaluations*”), talk by invitation of Mathematics Stage Nucleos, António Arroio Secondary School, Lisbon, 11 January 2001.
- *A situação da escola e as novas condições de comunicativas* (“*The school and the new communicational conditions*”), talk by invitation at Antero de Quental Secondary School, Ponta Delgada, 26 January 2001.
- *Da área-escola à área de projecto* (“*From “area-school” to “project-area”*”), invited speaker at Aquilino Ribeiro Secondary School, Oeiras, 16 February 2000.
- *Projectar o projecto* (“*Projecting the project*”), plenary invited speaker at "Jornadas Pedagógicas" da Escola Secundária Alves Martins, Viseu, 13 March 2000.
- *Ensino da Matemática como arte de "dar a ver"* (“*Mathematics teaching as art of “showing”*”), invited speaker at Fernão Mendes Pinto Secondary School, Almada, 21 March 2000.
- *Escola, cultura e interdisciplinaridade* (“*School, culture and interdisciplinarity*”), invited speaker at Cacém Secondary School, 16 March 1999.
- *Tempo histórico e tempo geológico* (“*Historical time and geological time*”), invited speaker at Afonso Domingues Secondary School, Lisbon, 30 April 1999.
- *Observação: problemas gnosiológicos e epistemológicos* (“*Observation: gnosiological and epistemological problems*”), invited speaker at Romeu Correia Secondary School, Almada, 22 April 1998.
- *A interdisciplinaridade* (“*Interdisciplinarity*”), invited speaker at the Olaias Secondary School, Lisbon, 20 January 1997.
- *Professor: profeta do passado, memória do futuro* (“*Teacher: Prophet of the past, memory of the future*”), invited speaker at Lumiar Secondary School, 20 May 1997.
- *A Filosofia e a Escola* (“*Philosophy and the School*”), invited talk



at the Cidadela Secondary School, Cascais, 25 October 1995.

- *Perspectivas de trabalho interdisciplinar* (“*Interdisciplinary work perspectives*”), Beja Secondary School, in a session organized by Editora Texto, 29 November 1995.
- *Interdisciplinaridade e área-escola* (“*Interdisciplinarity and “area-school”*”), invited speaker at Paço de Arcos Secondary School, 6 December 1995.
- *Interdisciplinaridade e área-escola. Problemas e perspectivas* (“*Interdisciplinarity and “area-school”. Problems and perspectives*”), invited talk at Trofa Secondary School, 24 May 1995.
- *Interdisciplinaridade. Uma atitude e uma exigência curricular* (“*Interdisciplinarity. An attitude and a curricular requirement*”), invited talk at Cascais Secondary School, 31 May 1995.
- *Interdisciplinaridade e área escola* (“*Interdisciplinarity and “area-school”*”), invited talk at Pedro Alexandrino Secondary School, Póvoa de St. Adrião, 8 February 1995.
- *Significado da interdisciplinaridade no contexto actual da construção e transmissão dos saberes* (“*Meaning of interdisciplinarity in the current context of the construction and transmission of knowledge*”), Patrício Prazeres Secondary School, in a session organized by Editora Texto, 11 May 1993.
- *Interdisciplinaridade: dificuldades e perspectivas* (“*Interdisciplinarity: problems and perspectives!*”), Rio de Mouro Secondary School, Cacém, in a session organized by Editora Texto, 25 May 1993.
- *Integração e interdisciplinaridade: opções terminológicas e categorias de análise* (“*Integration and interdisciplinarity: terminology options and categories of analysis*”), "Segundo Forum de Experiências Interdisciplinares", Marquês de Pombal secondary school, Lisbon, 3 July 1991.
- *Perspectivas e dificuldades no trabalho interdisciplinar* (“*Perspectives and difficulties in interdisciplinary work*”),

"Primeiro Forum de Experiências Interdisciplinares", put forward by Project Mathesis, Marquês de Pombal Secondary School, Lisbon, 3 Jan 1991.

- *A metáfora da escola na epistemologia de Bachelard* ("The metaphor of school in the epistemology of Bachelard") invited speaker at St. André Secondary School, Barreiro, 24 January 1990.
- *Problemas gerais da interdisciplinaridade* ("General problems of interdisciplinarity") invited speaker at D. Pedro V Secondary School, Lisbon, 3 December 1990.
- *A condição e as funções do professor* ("The status and functions of the teacher"), invited speaker at Lumiar Secondary School, Lisbon, 13 December 1989.
- *Os problemas do ensino da Filosofia* ("Philosophy teaching problems") invited speaker at Amora Secondary School, 16 January 1990.
- *Filosofia e texto, Filosofia e escola* ("Philosophy and text, Philosophy and school"), invited speaker at Maria Amália Vaz de Carvalho secondary school, Lisbon, 2 March 1989.
- *Wittgenstein ou a questão do para quê ensinar filosofia* ("Wittgenstein or the question of "what for" to teach philosophy"), invited speaker at Montijo Secondary School, "Journey on the Teaching of Philosophy", Câmara Municipal do Montijo, 19 March 1987.
- *Pedagogia por objectivos: uma análise crítica* ("Pedagogy by objectives: a critical analysis") invited talk at Alfredo da Silva Secondary School, Barreiro, 17 October 1984.
- *Formação de professores: perspectivas* ("Teachers training: perspectives"), invited talk to the colloquium "Professores, Quem São, Para Quê, que Formação?", D. Pedro V Secondary School, Lisbon, 16 January 1985.
- *As utopias de Rousseau* ("Rousseau's utopias"), invited speaker at Josefa de Óbidos Secondary School, Lisbon, 31 January

1985.

- *Trabalho de texto no ensino da Filosofia* (“*Textual work in the teaching of Philosophy*”), invited speaker at Lumiar Secondary School, Lisbon, 10 April 1985.
- *Objectivos e modalidades do ensino da Filosofia* (“*Objectives and modalities of the teaching of Philosophy*”), Vila Franca de Xira Secondary School, 22 April 1986.
- *Teoria geral da planificação e pedagogia por objectivos* (“*General theory of planning and pedagogy by objectives*”), Pedro Nunes Secondary School, 17 March 1984.
- *Leitura e comentário: os contributos de Todorov e Ricoeur* (“*A reading and commentary: the contributions of Todorov and Ricoeur*”), "Encontro Regional de Professores de Filosofia", Camões Secondary School, Lisbon, 9 March 1983.
- *Pedagogia por e com objectivos* (“*Pedagogy by and with objectives*”), invited speaker at Ferreira Dias Secondary School, Cacém, 27 April 1983.

### **Participation in debates and round tables**

- *Da Filosofia como Pedagogia* (*On Philosophy as Pedagogy*), participation talk at a round table on the “Teaching Philosophy,” Faculty of Arts of the University of Lisbon, 19 April 1985.
- *O estatuto de um programa de filosofia* (“*The statute of a program of Philosophy*”), participation at a roundtable organized by the Portuguese Philosophy Society, 6 June 1990.
- *Os Livros em Volta. Conversas à Volta de um Livro* (*Conversations on books*), participation in a discussion moderated by Eduardo Pardo Coelho about books including the book authored by Olga Pombo, *A escola, a recta e o círculo* (*The school, the straight line and the circle*), Relógio d'Água, 2002 (Other books presented: J. Lobo Antunes, *Inventário de Nova York*; João Barrento, *Poço de Babel*; Julieta Monguinho,

*Onde está J?*; M. Helena Buescu, *Chiaro Escuro* e J. Bragança de Miranda, *Teorias da Cultura*). The event was organized by the Portuguese Institute for Book (IPLB) and by Culturgest, 25 Mar 2003.

- *Perplexidades em torno do estatuto do ensino da Filosofia no ensino secundário* (*Perplexities about the status of the teaching of philosophy in secondary education*), participation talk at the public debate: “Philosophy in the Curricular Revision“, Department of Philosophy, Faculty of Arts of the University of Lisbon, 22 January 2003.
- *Clássicos: inevitáveis!* (*Classics: inevitable!*), participation in the debate chaired by Paula Moura Pinheiro (with Ana Maria Magalhães, Marta Martins, José Pedro Serra, Miguel Che e Ondjaki), by invitation of the “XVI Meeting on Literature for Children,” Calouste Gulbenkian Foundation, Lisbon, 8 October 2004.
- *Ambições e limites da Interdisciplinaridade* (*Ambitions and limits of Interdisciplinarity*), participation in the debate “Ambições e limites da Interdisciplinaridade: a propósito do mais recente livro de Olga Pombo”, promovido pelo “Seminário Interdisciplinar Teoria Social e Pensamento Contemporâneo” coordenado por José Luis Garcia, Instituto de Ciências Sociais da University of Lisbon (ICS), 5 May 2005.
- *Limites e Fronteiras nas Ciências* (“*Limits and boundaries of the sciences*”), talk by invitation at the cycle of debates “Architecture and Philosophy”, put forward by the Faculty of Architecture of Lisbon University and the Eterno Retorno Bookshop, Livraria Eterno Retorno, 16 June 2005.
- *Homenagem a Agostinho da Silva* (“Homenage to Agostinho da Silva”), talk by invitation at a round table with Olga Pombo, Fernando Dacosta, Helena Carvalhão, Natércia Duarte Belo and Paulo Archer, put forward by the Archive Bookshop, 16 February 2006.

- *A Verdade na Ciência* (“*Truth in Science*”), talk by invitation at the debate "A verdade", promoted by Ler Devagar Bookshop and Eterno Retorno Bookshop, Lisbon, 27 April 2006.
- *Sobre o Ensino da Filosofia* (*On the teaching of Philosophy*), participation talk at the debate on “Teaching of Philosophy“, Livraria Ler Devagar, Lisbon, 21 March 2007.
- *A Filosofia e o Amor da Escola* (“*Philosophy and the love for school*”), talk by invitation at the debate “Olhares sobre a Filosofia. A Filosofia na Escola, na Cidade e na Cultura”, Centro Nacional de Cultura, Lisbon, 23 March 2007.
- *Ser no tempo em que Estamos/Estar no tempo em que Somos* (“*To be in the time we stay/ To stay in the time we are*”), participation talk in a round table by invitation of the “Project Escola Criativa, “Cascais Cultural Center, 15 November 2007.
- *Questões filosóficas a propósito do evolucionismo* (“*Philosophical issues concerning evolution*”), talk presented at the debate “Evolucionismo e o seu Ensino”, organized by CFCUL and the Polytechnic Theater, Lisbon, 13 January 2008.
- *Desafios da escola hoje* (*Today's challenges for the school*), participation talk by invitation in the debate “A avaliação das escolas e dos professores“ put forward by the Centro de Formação da Vasco da Gama Secondary School, 16 April 2008.
- *Avaliação de Professores. Esta não. Mas Qual?* (“*Evaluation of Teachers. Not this one. Which then?*”), talk by invitation to a debate put forward by the “Movimento Escola Pública,“ Associação 25 de Abril, Lisbon, 21 June 2008.
- *Ciência Viva faz 10 anos, E para os próximos 10 anos? Digam e nós fazemos* (“*10 years of Ciência Viva. And for the next 10 years? Say and we will do*”), participation in a round table chaired by Alexandre Quintanilha, organised for the celebration of the “10 years of Ciência Viva,“ Pavilhão do Conhecimento, 25 July 2009.

- *Ciência Sextas às Sete* (“*Science Fridays at 19*”), participation by invitation in a round table together with Onésimo Teotónio de Almeida and António Coutinho, organized by Livraria Almedina, Lisbon, Atrium Saldanha, 16 October 2009.
- *Timeline. O tempo do Desenho*, participation at a round table with Guida Casella, by invitation of the project "Espaços de Desenho", Lisbon, Fabrica Braço de Prata, 27 March 2010.
- “*A imagem entre a ciência e a arte*”, *apresentação de um projecto* (“Image in science and art”, presentation of a Project), participation at a round table by invitation of the project "Espaços de Desenho", Lisbon, Fabrica Braço de Prata, 1 April 2010.
- *Dinamizar a Bioética na Universidade de Lisboa II: em torno da Clonagem Humana* (*Boosting Bioethics at the University of Lisbon II: on Human Cloning*), moderator of the debate organized by the Biodiversity Center, Center for Integrative and functional Genomics (BioFIG), Faculty of Sciences of the University of Lisbon, 6 April 2010.
- *Analogia e Mediação, Transversalidade na investigação em Arte, Filosofia e Ciência*", moderation of a round table organized at the Faculty of Beaux Arts of the University of Lisbon, 12 December 2012.
- *Hommage to João Lopes Alves*, participation in the “Homage session to Joao Lopes Alves”, Faculty of Sciences of the University of Lisbon, 7 November 2013.
- *Apontamentos sobre o ócio* ("*Notes on Otium*"), invitation talk at the round table "Time for doing nothing / what is otium for?" in the context of the event "The 24 Hours of Time" organized by Ciência Viva – National agency for Scientific and Technological Culture, Lisbon, Knowledge Pavillon, 21 June 2014.
- *Apontamentos sobre margens, fronteiras e linhas de demarcação* ("*Notes on margins, boundaries and demarcation lines*"), talk by invitation at a round table on "Religion, Philosophy and Science: View Bridges", Congress of the

Portuguese Psychodrama Society, Almada Pousada da Juventude, Almada, 9 November 2014.

- *Notas sobre a Ciencia em Portugal antes e depois do 25 de Abril* (“Remarks on the Science in Portugal before and after the 25 April”), talk by invitation at a debate on “Science in Portugal”, Festa do Avante, Seixal, 3 September 2016.
- *Pensar as Ciências* (“Thinking Sciences”), participation by invitation at the fishbowl talk, Faculdade de Ciências e Tecnologia, New University of Lisbon, 28 September 2016.
- *Utopias e distopias* (“Utopia and Distopia”), participation by invitation at the “Tertúlia Folio. Festival Literario Internacional de Óbidos”, coordinated by Teresa Calçada, Livraria da Adega, Óbidos, 29 September 2016.
- *O valor cognitivo da arvore* (“The cognitive value of the three”) participation by invitation at the round table on “Valor da Árvore”, organized by the Doctoral College F3 of the UL and the project “Muita Fruta”, 3 July 2017.
- *Ciencia, Democracia e Escola* (“Science, Democracy and School”), participation by invitation at the round table on “Science and Education”, in the context of *Ulisses Conferences 2018. European Democracy: an idea whose time has arrived*, Cultural Center of Belem, Lisbon, 7 April 2018.
- *O Saber n/do Século XXI* (“Knowledge in/of the XXI century”), participation by invitation at the debate on “O saber n/do século XXI” in the context of the program “My Research 2018” put forward by the Catholic University of Lisbon, 13th November 2018.

### **Book presentations**

- *Notas de leitura à margem de uma antologia* (“Some reading notes on the sidelines of an anthology”), presentation of the book edited by Irene Borges Duarte, Maria Fernanda Henriques and Isabel Matos Dias, “Texto, Leitura e Escrita.

Antologia” (Porto: Porto Editora, 2000), Lisbon, Livraria Barata, 28 March 2001.

- *Enciclopédia e hipertexto. Continuidade e inovação* (*Encyclopedia and hypertext. Continuity and innovation*), presentation of the book edited by José António Cordon Garcia's "De D'Alembert ao CD-Rom", "I Encontro de Bibliotecas do Ensino Superior. Conhecimento, Qualidade e Inovação", Instituto de Psicologia Aplicada, Lisbon, 18 December 2003.
- *Há verdade em ciência? Popper, Kuhn e outros* (*Is there truth in science? Popper, Kuhn and others*), talk by invitation of Nuno Crato and Almedina Bookshop at the book presentation of the portuguese translation of Karl Popper *Conjectures and Refutations*, Auditorium of the Almedina bookshop, Lisbon, 28 May 2004.
- *Boas Razões para Amar a Escola. A propósito da "Lettre à tous ceux qui aiment l'école" de Luc Ferry* (*Good reasons to love the school. Notes on the " Lettre à tous ceux qui aiment l'école*), presentation of the book authored by Luc Ferry, Vitorino Nemésio Secondary School, Lisbon, 6 April 2005.
- *Interdisciplinaridade, Humanismo, Universidade* (*"Interdisciplinarity, Humanism, University"*), presentation of the book edited by Carlos Pimenta (Lisbon: Campo das Letras) together with António Nóvoa and Carlos Matos Ferreira, Lisbon, Trindade Theater, 11 April 2005.
- *Ambições e Limites da Interdisciplinaridade* (*"Ambitions and Limits of Interdisciplinarity"*), talk at the debate put forward by the "Interdisciplinary Seminar. Social Theory and Contemporary Thought: On Olga Pombo latest book", Social Sciences Institut (ICS), University of Lisbon, 5 May 2005.
- *Interdisciplinaridade: Ambições e Limites* (*"Interdisciplinarity. Ambitions and Limits"*), authored by Olga Pombo (Lisbon: Relógio d'Água). Presentation of the book by António Bracinha



Vieira, Nuno Guimarães and António Guerreiro, Lisbon, Livraria Eterno Retorno, 12 May 2005.

- *Unidade da Ciência. Programas, Figuras e Metáforas* (“*Unity of Science. Programs, Configurations and Metaphors*”) authored by Olga Pombo (Lisbon: Editora Duarte Reis). Presentation of the book by Shahid Rahman (Lille University) and Teresa Levy (FCUL), Lisbon, Livraria Ler Devagar, 26 October 2006.
- *As 'Cartas de Problemática' de António Sérgio* (“*The Problematic Letters of Antonio Sergio*”), edited by Olga Pombo, Manuel Beirão dos Reis and João Luís Cordovil (Coleção Cadernos de Filosofia das Ciências. Lisbon: CFCUL). Presentation and debate by João Luís Andrade e Silva, Maria Helena Andrade e Silva, António Lopes Vieira, Carlos Veiga Pereira, Manuel Pina, Raul David Gomes and José Cyrillo Machado, Lisbon, Livraria Buchholz, 29 June 2006.
- *Enciclopédia e Hipertexto* (“*Encyclopedia and Hypertext*”), edited by Olga Pombo, António Guerreiro and António Franco Alexandre (Lisbon: Editora Duarte Reis). Presentation of the book by Olga Pombo, António Guerreiro, Nuno Grande and Manuela Matos Monteiro, Porto, Livraria Sem Mais nem Menos, 26 May 2006.
- *A Teoria de Oparin sobre a Origem da Vida. Uma abordagem no quadro da História e Filosofia das Ciências* (“*Oparin Theory on the origin of Life. An approach from History and Philosophy of Science perspective*”) presentation of the book edited by Helena Abreu (Lisbon: CFCUL, series “Cadernos de Filosofia das Ciências”), together with Carlos Almaça and Francisco Carrapiço, Faculty of Sciences University of Lisbon, 13 November 2007.
- *Unidade da Ciência. Programas, Figuras e Metáforas* (“*Unity of Science. Programs, Configurations and Metaphors*”) authored by Olga Pombo (Lisbon: Editora Duarte Reis) presentation of the book by José Croca, Mafalda Blanc and Dinis Pestana, Lisbon, Livraria Ler Devagar, 28 March 2007.

- *Diálogos sobre Física Quântica. Dos Paradoxos à Não-Linearidade* (“*Dialogues on Quantum Physics. From paradoxes to non-linearity*”), presentation of the book edited by José R. Croca and Rui N. Moreira (Lisbon: Esfera do Caos), together with Viriato Soromenho-Marques, Rectorship of the University of Lisbon, 29 May 2007.
- *Lisbon, Saúde e Inovação. Do Renascimento aos dias de Hoje* (“*Lisbon, health and innovation. From Renaissance to the days of today*”), presentation of the book edited by Manuel Valente Alves e Constantino Sakellarides (Lisbon, Gradiva, 2008), Lisbon, Pavillon Portugal Tecnológico, FIL (Parque das Nações), 21 November 2008.
- *Marx Morto, Darwin Posto* (“*Marx dead, Darwin alive*”), presentation of the book authored by Onésimo Teotónio Almeida, Ciência na Alameda. Sextas às Sete, Livraria Alameda, Lisbon, 16 October 2009.
- *Medicina e Outras Coisas* (“*Medicine and other issues*”), presentation of the book edited by António Barros Veloso (Lisbon: Gradiva), together with Álvaro de Carvalho, Lisbon, Fábrica Braço de Prata, 25 February 2009.
- *Ciência, Psicanálise e Poética em torno de Gaston Bachelard* (“*Science, Psychoanalysis and Poetics around Gaston Bachelard*”), presentation of the book edited by Ana Gaspar (Lisbon: CFCUL), together with Ana Almeida, José Luis Garcia, Joaquim Carlos Araújo, João Araújo e José Luis Pio de Abreu, Lisbon, Fábrica de Braço de Prata, 31 May 2009.
- *Relatividade e Física Clássica: Continuidade e Ruptura* (“*Relativity and Classical Physics. Continuity and rupture*”), presentation of the book authored by António Brotas, Anfiteatro do Complexo Interdisciplinar do Instituto Superior Técnico, Lisbon, 20 January 2010.
- *Unity of Science: New Approaches. Otto Neurath and the Unity of Science*, presentation of the book edited by Olga Pombo, John Symons and Juan Manuel Torres, Springer, 2010, held

at the Faculty of Sciences University of Lisbon, 17 September 2010.

- *Neuroaesthetics – Can Science Explain Art?*, edited by Olga Pombo, Silvia Di Marco e Marco Pina (Lisbon: Fim de Século, series “Image in Science and Art”). Presentation by José Félix Costa and Nuno Nabais, Lisbon, Fábrica Braço de Prata, 16 December 2010.
- *Palavra e Esplendor do Mundo. Estudos sobre Leibniz* (“*Word and World splendor. Studies on Leibniz*”), by Olga Pombo (Lisbon: Fim de Século). Presentation of the book by Marcelo Dascal, Faculty of Letters University of Lisbon, Anfiteater III, 25 de November de 2010.
- *Das Sociedades Humanas às Sociedades Artificiais* (“*From human societies to artificial societies*”), presentation of the book authored by Porfirio Silva, Colégio Espírito Santo, Évora University, 6 May 2011.
- *Solaris. Sistema Beta Pictoris*, presentation of the book edited de Rodrigo Vilhena (Lisbon: Fim de Século, Series “Image in Science and Art”) together with José R. Croca and Catarina Nabais, Lisbon: Fábrica Braço de Prata, 13 May 2011.
- *Marie Skłodowska Curie - Imagens de Outra Face*, presentation of the book authored by Raquel Gonçalves-Maia”, Colibri Editor, Faculty of Sciences of the University of Lisbon, 9 November 2011.
- *As Imagens com que a Ciência se Faz* (“*Images with which Science is made of*”), edited by Olga Pombo and Silvia Di Marco (Lisbon: Fim de Século, series “Image in Science and Art”). Presentation of their book by Palmira Fontes da Costa, Anfiteater of the Faculty of Sciences University of Lisbon, 1 June 2011.
- *Em Torno de Darwin* (“*Circa Darwin*”), edited by Olga Pombo and Marco Pina (Lisbon, Lisbon: Fim de Século), presentation of the book by Olga Pombo, Marco Pina and Ricardo Santos, Lisbon, FNAC Vasco da Gama, 19 April 2012.

- *Em Torno de Darwin* (“*Circa Darwin*”), edited by Olga Pombo and Marco Pina (Lisbon, Lisbon: Fim de Século), presentation of the book by Olga Pombo, Marco Pina, Antonio Bracinha Vieira and Nuno Nabais, Lisbon, Fabrica Braço de Prata, 22 June 2012.
- *Economia e Interdisciplinaridade(s)* (“*Aeconomics and Interdisciplinarity*”), presentation of the book authored by Victor Neves, Livraria Almedina, Atrium Saldanha, 23 November 2012.
- *Colecção de Desenho Antigo da Faculdade de Belas-Artes (1830-1935): Tradução, Formação e Gosto* (“*Antique Drawings Collection of the Faculty of Beaux-Arts (1830-1935). Translation, Formatation and Taste*”), presentation of the book edited by Alberto Faria (Lisbon: Fim de Século, Series “Image in Science and Art”) together with Luísa Arruda and Cristina Azevedo Tavares, Faculty of Beaux-Arts University of Lisbon, 27 January 2012.
- *Representações do Corpo na Ciência e na Arte* (“*Representations of the body in Science and Art*”), presentation of the book edited by Cristina Azevedo Tavares (Lisbon: Fim de Século, Series “Image in Science and Art”) together with Isabel Rito and António Barros Veloso, Chappel of the Faculty of Beaux-Arts University of Lisbon, 28 March 2012.
- *Special Sciences and the Unity of Science*, edited by Olga Pombo, Juan Manuel Torres, John Symons and Shahid Rahman (Dordrecht / Londres / New York: Springer). Presentation by the editors, Anfiteater of the Faculty of Sciences of the University of Lisbon, 14 May 2012.
- *O Círculo dos Saberes* (“*The Circle of Knowledge*”), authored by Olga Pombo (Lisbon: CFCUL/Gradiva). Presentation of the book by Shahid Rahman, International Symposium of Epistemology, Logic and Language (ISELL2012), 29 October 2012.

- *As Cartas de Problemática de António Sérgio*, (“*The Problematic Letters of Antonio Sergio*”) edited by Olga Pombo and João L. Cordovil (Lisbon: Fim de Século) and *Quatro Novos Estudos sobre António Sérgio* (“*Four new studies on Antonio Sergio*”) edited by João Paulo Príncipe (Lisbon: Edições Caleidoscópio). Presentation of the two books by Hermínio Martins and Rui Moreira, Lisbon, Fábrica Braço de Prata 19 April 2013.
- *Tarefas da Epistemologia e da Filosofia da Ciência para o século XXI* (“*Tasks of the Philosophy of Science for the XXI century*”) authored by Olga Pombo. Presentation of the book by João Maria André (Coimbra University), Lisbon, Faculty of Sciences, 25 September 2014.
- *Eurhythmic Physics or Hyperphysics - the Unification of Physics*, presentation of the book authored by José Croca, Recktorship of the University of Lisbon, 23 September 2015.
- *Materialismo e Idealismo na Física do final do seculo XIX e Inicio do seculo XX a partir de ‘Materialismo e Empiriocriticismo’ de Lênine*, presentation of the book authored by Ana Pato, Pé de Pagina Editor, Faculty of Sciences of the University of Lisbon, 29th January 2016.
- *Afinal, o que é a Ciência? Relatório de um projecto*, presentation of the book edited by Olga Pombo and Ricardo Santos, CFCUL/Ciencia Viva, *Escola Secundária António Damásio*, Lisbon, 31th May 2016.
- *Dialogos sobre a Nova Fisica. Complexidade e Não-Linearidade*, presentation of the book authored by José Croca, Esfera do Caos, 2016, Recktorship of the University of Lisbon, 14th June 2016.
- *Gaston Bachelard. A Philosophy of the Surreal*, presentation of the book authored by Zbigniew Kotowicz, Edinburg: Edinburg University Press, 2016, at the École des Mines, Paris, 22 Mai 2018.

## Videos

- Pombo, Olga, *Claro que a Física é Cultura / Of course, Physics is Culture!*, conference by invitation at the “XIV Encontro Ibérico para o Ensino da Física - Escola de Educação em Física 2004”, Sociedade Portuguesa de Física, Oporto Superior Engeneering Institute, 9th Setember 2004.  
<<http://nautilus.fis.uc.pt/bl/conteudos/42/pags/videosdivulgcientifica/filosofiafisica/index2.html> >
- Pombo, Olga, *Ciência e Crença. Uma relação delicada / Science and Belief. A delicate relationship*, Conference by invitation at the Cycle “Darwin and the Darwinian revolution”, New Lisbon University, April 2009.  
<[http://eventos.fct.unl.pt/darwin2009/conferPodCast\\_41\\_2.html](http://eventos.fct.unl.pt/darwin2009/conferPodCast_41_2.html)> ,  
<<http://elearning.fct.unl.pt/darwin04-video03.html>>
- Pombo, Olga, *Illustration between Science and Art*, Conference at the International workshop “Darwin and the Scientific Illustration”, in the context of the research project “Image in Science and Art” in collaboration with Ciência Viva, Lisbon, Knowledge Pavillon, 21-22 April 2009. <[http://www.cvtv.pt/imagens/index.asp?id\\_video=293](http://www.cvtv.pt/imagens/index.asp?id_video=293)>
- Pombo, Olga, *Interdisciplinary changes for the study of emergence*. Conference by invitation at the “Encontros da Arrábida” (ICC), 7-9 June 2009.  
< <https://vimeo.com/5788444>>
- Pombo, Olga, *Models and representations of knowledge organization*. Conference by invitation at the “ECCS'10 European Conference on Complex Systems”, 2010.  
<<http://vimeo.com/15233007>>
- Pombo, Olga (coord), *corpoIMAGEM (“bodyIMAGE”)*, video correspondent to exhibition ‘*CorpoIMAGEM’ (BodyIMAGE-Representations of the body in science and art)*”, with Catarina Nabais, Cristina Tavares, Manuel V. Alves, Marco Pina, Pedro Silva, Ricardo Reis, Silvia di Marco, held at the Pavilhão do Conhecimento - Ciência Viva, Lisbon, 2 February-30 March

2011. The video is divided in 3 parts:

1. Corpo PAISAGEM (bodyPAYSAGE)  
< <http://lisboncisa.fc.ul.pt/videos/v33.htm>>
  2. corpoFRAGMENTO (bodyFRAGMENT)  
< <http://lisboncisa.fc.ul.pt/videos/v33b.htm>>
  3. corpoALGORITMO (bodyALGORITHM)  
< <http://lisboncisa.fc.ul.pt/videos/v33c.htm>>
- Pombo, Olga, *Interview with Robson Ashtoffen "O pensamento vivo da informação / The alive thinking of Information"*, a series coordinated by Prof. Marcos Mucheroni, Núcleo de Pesquisa em Produção Científica da ECA-USP, São Paulo, Brazil, (2012). The interview is divided in 4 parts:
    1. Information and complexity  
< <https://www.youtube.com/watch?v=hpncNUeEVYE&feature=plcp>>
    2. Specialization and interdisciplinarity  
< <https://www.youtube.com/watch?v=ExyaET0GuVg>>
    3. Sociology of Science. Science and Society  
< <https://www.youtube.com/watch?v=Ua2vMtqdgW8>>
    4. The Encyclopaedic Thinking and the Internet  
< <https://www.youtube.com/watch?v=bLyV4bwh8sM>>
  - Pombo, Olga, *Welcoming words*, at the “International Conference on Evolutionary Patterns”, organized by the Applied Evolutionary Epistemology Lab in collaboration with the Calouste Gulbenkian Foundation in Lisbon, Portugal (2013).  
< <https://www.youtube.com/watch?v=EgAsN8Pwqkc>>
  - Pombo, Olga, *Filosofia, Educação e Interdisciplinaridade*, Conference by invitation of the Federal University of Goiás (UFG) and the Pontifícia Universidade Católica de Goiás (PUC) Goiás PIBID FILOSOFIA PUC-GO Brasil, 9 October 2012.  
< <https://www.youtube.com/watch?v=2kcCznweujs>>
  - Pombo, Olga, *Epistemology of interdisciplinarity*, Conference by invitation at the Faculty of Engineering of Innovation, Lecce,

Italy, 6 - 9 May 2014.

[https://www.youtube.com/watch?v=jLKIGGCxf\\_Y](https://www.youtube.com/watch?v=jLKIGGCxf_Y)

- Pombo, Olga, *Mais passado para o futuro; mais futuro para o passado* (“More past for the future; more future for the past”), Conference by invitation at the serie "Escutar a cidade" put forward by Diocese de Lisbon, Forum Lisbon, 5th March 2015.  
[https://www.youtube.com/watch?v=xBcLBrB\\_4XQ](https://www.youtube.com/watch?v=xBcLBrB_4XQ)
- Pombo, Olga, *Interdisciplinarity in Science: Theory and Practice*, conference at the 3rd Workshop of the Thematic Line **Unity of Science and Interdisciplinarity**, Faculty of Sciences of the University of Lisbon, 25<sup>th</sup> January 2016.  
<https://www.youtube.com/watch?v=aYci76E6N7s>
- Pombo, Olga, *Por que razão marchou pela ciência?* (“Why do I march for Science?”), invited speech in *Marcha pela Ciência / March for Science*, intervention by invitation, Largo do Carmo, Lisbon, 22th April, 2017  
<https://www.youtube.com/watch?v=hgTy1DrLLd0>

## **TV, radio, journal interviews and other media mentions**

- **Radio interview** on « Jean-Jacques Rousseau », with journalist Luísa Costa Gomes, *Rádio Comercial*, Lisbon, 6 May 1985.
- **Radio interview** on “O projecto leibniziano de uma Mathesis Universalis / The leibnizian project of a Mathesis Universalis”, in the cycle “Leibniz, Filósofo, Matemático e Historiador. Leibniz nasceu há 350 anos”, *Rádio Difusão Portuguesa*, Lisbon, 6 July 1996.
- **Radio interview** on “Current Portuguese education”, *Rádio Paris -Lisbon*, 20 June 2001.
- **TV Program**, RTP 2 channel, "*Livres e Iguais*", moderated by Paula Moura Pinheiro. Other participants: Augusto Santos Silva (Minister of Education), Roberto Carneiro, José Pacheco and João Soeiro, 20 and 22 June 2001.
- **Magazine interview**, “What school do we want for our



children?” debate with Paulo Feytor-Pinto with journalist Paula Moura Pinheiro, *Magazine Elle*, 158, November 2001, pp. 140-148.

- **Radio debate**, Rádio Paris-Lisbon (with journalist Paula Moura Pinheiro), on the book, *A Escola, A Recta e o Circulo*. The debate was taken directly from FNAC bookshop, Chiado, Lisbon, 1 October 2002.
- **Participation in a press conference** on “Teaching of Portuguese at Secondary School”, with Maria do Carmo Vieira, Maria da Conceição Rolo, Elisa Costa Pinto e Carlos Ceia, held at the Livraria Eterno Retorno, Lisbon, 9 October 2002.
- **Newspaper interview** “Persistência da Memória / Memory Persistence”, with journalist Daniel Branco, *Jornal de Letras. Educação*, 8 January 2003.
- **Journal interview** with António Gonzales, *Revista Ser*, Instituto Superior de Psicologia Aplicada, 2004  
<[http://webpages.ciencias.ulisboa.pt/~ommartins/investigacao/Entrevista%20Revista%20SER%20\(Ispa\).pdf](http://webpages.ciencias.ulisboa.pt/~ommartins/investigacao/Entrevista%20Revista%20SER%20(Ispa).pdf)>
- **Radio interview** on “Political education”, Rádio Paris-Lisbon, Lisbon, 25 October 2005.
- **Magazine interview**, entrevista a Olga Pombo a respeito do lançamento do livro " Interdisciplinaridade: Ambições e Limites ". (interview with Olga Pombo in the context of her book "Interdisciplinaridade: Ambições e Limites"), *Infociências* n° 142, 1<sup>st</sup> February 2005, pp. 12-14  
<<http://cfc.ul.fc.ul.pt/divulgacao/entrevistas/docs/op122005.pdf>>
- **Journal interview**, “Ivan Illich - Um Visionário que é Preciso Reler / Ivan Illich - A visionary that must re-read”, *Aprender ao Longo da Vida*, n° 4 (May 2005), pp. 40-47  
<<http://www.direitodeaprender.com.pt/artigos/ivan-illich-um-visionario-que-e-preciso-reler>>
- **Questionario online**, Pós-graduação em Metodologia de Ensino, Universidade Federal de São Carlos, 2006  
<<http://cfc.ul.fc.ul.pt/divulgacao/entrevistas/docs/op2006.pdf>>
- **Radio interview** on “Agostinho da Silva”, TSF, 13 Feb 2006

[http://tsf.sapo.pt/online/radio/interior.asp?id\\_artigo=TSF168152](http://tsf.sapo.pt/online/radio/interior.asp?id_artigo=TSF168152)

[http://www.tsf.pt/Programas/programa.aspx?content\\_id=903681&titl e=Sinais](http://www.tsf.pt/Programas/programa.aspx?content_id=903681&titl e=Sinais)

- **Newspapper interview**, “Fernando Gil, filósofo do conhecimento / Fernando Gil, philosopher of Knowledge”, *Expresso*, supplement *Actual*, p. 23, 25 March 2006  
<http://webpages.fc.ul.pt/~ommartins/publicacoes%20opombo/fernandog il.htm>
- **Television interview**, “Língua é Poder / Language is Power”, RTP2 program *Câmara Clara* with journalist Paula Moura Pinheiro, 15 July 2007 (see section "Arquivo"  
<http://www.dois.tv/programas/camaraclara>)
- **Newspapper interview** "Ciência em Movimento. Os nossos neurónios. Cerebros Portugueses de que temos orgulho / Science in Motion. Our neurons. Portuguese brains we are proud of", with journalist Helena Mendonca, *Diário de Notícias Magazine*, 18 May 2008  
<http://cfc.ul.fc.ul.pt/divulgacao/entrevistas/docs/op18052008.pdf>
- **Newspapper interview**, “Este ensino só precisa de um bom professor, quadro e giz / This teaching only needs a good teacher, a blackboard and some Chalk”, *Jornal Público* (with journalist Clara Viana), 24 June 2008. (pdf)  
<http://cfc.ul.fc.ul.pt/divulgacao/entrevistas/docs/op24062008.pdf>
- **Journal interview**, “Interdisciplinaridade e Transformações Epistemológicas Contemporâneas / Interdisciplinarity and Epistemological Transformations”, *Olhares*, (NPPD-Unijorge), 2009, n.º 1, pp. 7-10.
- **Television interview**, “Sobre a ideia de enciclopédia / On the Idea of Encyclopedia”, RTP 2 program "*Câmara Clara*", with journalist Paula Moura Pinheiro, 19 January 2010.
- **Television Interview**, 'Imagem na Ciência e na Arte' desvenda corpo humano / Image in Science and Art reveals human body", RTP program "*TV Ciência*", with the journalist Lucia Alves, 14 February 2011  
<http://cfc.ul.fc.ul.pt/divulgacao/entrevistas/docs/op18022011.pdf>

- **Television interview**, RTP program "Com Ciência" (with journalist Vasco Trigo), 23 February 2011.
- **Journal interview**, "A escola é o lugar onde a memória se faz futuro / School is the place where memory becomes future", *Página da Educação*, with journalist Antonio Baldaia, Winter 2011, II, n.º 195, pp. 9-20.  
<<http://www.apagina.pt/?aba=7&cat=549&doc=14705&mid=2>>
- **Participation in the television program** Prós e Contras – "O bosão de Higgs" (The Higgs boson), RTP1, 9 July 2012.
- **Magazine interview**, "Entrevista a respeito do lançamento do livro "Círculo dos Saberes". (interview in the context of the book 'The circle of knowledge')", "*Newsletter*" of the Faculty of Sciences of the University of Lisbon, 24 October 2012.  
<<https://ciencias.ulisboa.pt/pt/noticia/24-10-2012/entrevista-com-olga-pombo>>
- **Magazine interview**, "3 perguntas a... Olga Pombo | Da Civilização da Palavra à Civilização da Imagem" ("3 questions to ... Olga Pombo 'From word civilization to Image civilization'"), "*Newsletter*" of the Faculty of Sciences of the University of Lisbon, 21 June, 2013.  
<[http://webpages.fc.ul.pt/~ommartins/pdfs/livro\\_civ\\_palavra.pdf](http://webpages.fc.ul.pt/~ommartins/pdfs/livro_civ_palavra.pdf)>

## Consultancy

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### International evaluation panels

- Member of the international evaluation panel of the Institut Universitaire de France, Paris, 2009.2010
- Member of the evaluation panel for the selection of a Professor for the Chair of Philosophy of Science, University Paris-Sorbonne, 2015
- Member of the evaluation panel for the selection of a Professor

for the chair of Philosophy of Science, University Paris-Sorbonne, 2015

- Member of the international evaluation panel of the Agence National de Recherche (ANR) in the call “Institut Convergences”, Paris (July 2016; March 2017, July 2017)
- Member of the evaluation panel for the selection of Professor for the Chair of History and Philosophy of Science, University Paris-Sorbonne, 2017

**Expert for the European Commission Funding Programs VI-VII and Horizon 2020:**

- Improving the Human Research Potential and the Socio-Economic Knowledge, 2001-2002.
- Raising Public Awareness of Science and Technology, 2001.
- Marie Curie Intra-European Fellowships, 2002, 2004.
- Research Training Networks in the Economic, Social and Human Sciences, 2003.
- Science and Society. European Science Week, 2003.
- Marie Curie Fellowships for Early Stage Training and Transfer of Knowledge (ECO-SOC), 2003, 2004, 2005, 2006, 2007, 2010, 2011.
- Vice chair at the Marie Curie Individual Fellowships (Eco-SOC), IEF- IOF- IIF, 2012.
- Independent Observer at the FP7-PEOPLE, IRSES, 2013
- H2020-Marie Skłodowska-Curie Action-IF-2014ST- ECO-SOC, 2014, 2015.
- H2020 - Science with and for Society (SEAC) 2015.
- H2020 FET-OPEN - Novel Ideas for radically new technologies - research projects, 2014; 2017.

## **National evaluation panels**

- Member of the evaluation panel for the “*Instituto Portugues do Livro e da Leitura*” (“*Portuguese Institute for Book and Reading*”) (1992-1994)
- Member of the evaluation panel for the prize “*Tradução Científica e Técnica em Língua Portuguesa*” (“*Scientific and Technical translation into Portuguese language*”) (2004-2005)
- Member of the evaluation panel of the “*Olimpíadas Nacionais de Filosofia*” (“*National Olympiad of Philosophy*”) (2012-2013)
- Member of the evaluation panel for CFCUL grants on “Science and Technology Management” (February 2014)
- Member of the evaluation panel for CFCUL post-doc grant in the scientific area of “Science and Art” (March 2015)
- Member of the evaluation panel for CFCUL post-doc grant in the scientific area of “Unity of Science and Interdisciplinarity” (April 2015)
- Member of the evaluation panel for CFCUL grants on “Science and Technology Management” (November 2015)
- Member of the evaluation panel for CFCUL grants on “Science and Technology Management” (July 2015)
- Member of the evaluation panel for CFCUL grants on “Science and Technology Management” (March 2015)
- Member of the evaluation panel for CFCUL post-doc grants in the scientific area of “Philosophy of Natural Sciences” (January 2016)
- Member of the evaluation panel for the PD-FCTAS grants 2014, 2015, 2016 and 2017

## Teaching

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**Doctoral Program on “Philosophy of Science, Technology, Art and Society”** (PD-FCTAS), International PhD Program financed by the Portuguese Foundation for Science and Technology (FCT), Faculty of Sciences of the University of Lisbon (since 2014)

- Epistemology (2014-2016)
- Themes and Problems of Contemporary Philosophy of Science (2014-2016)
- Doctoral Seminar I and II (2014-2017)
- Doctoral Seminar I,II,III and IV (2015-2017)
- Doctoral seminar I,II,III,IV and V (2016-2017)
- Doctoral seminar I,II,III,IV,V and VI (2017-2018)
- Doctoral seminar I,II,III,IV,V,VI and VII (2018-2019)
- Science and Art. Image Theories, Representation and Production of the Real (2014-2016) (participation in the lecturing)

**Master in “History and Philosophy of Science”**, Faculty of Sciences of the University of Lisbon, Department Unit of History and Philosophy of Science

- Philosophy of Knowledge (2003-2004, 2005-2016)
- Epistemology and Philosophy of Science of the XX century (2005-2008, 2011-2016)

**Master in “Science Teaching”**, Faculty of Sciences of the University of Lisbon, Department of Education

- Epistemology and Science Teaching (1986-1987; 1988-1989)
- Production, Circulation and Transmission of Scientific knowledge (1987-1988)
- Philosophy of Education (1985-86; 1988-1989; 1994-1995; 2002-03)

- Experiences of Transversality (2007-2008)

**Minor in “History and Philosophy of Science”**, Faculty of Sciences of the University of Lisbon, Department Unit of History and Philosophy of Science

- Science and Art (core course) (2009-2016)
- Science and Culture (optional course) (2011-2013)
- Themes and Problems of Contemporary Philosophy of Science (optional course) (2013-15)

**Undergraduate Courses**, Faculty of Sciences of the University of Lisbon

- Observation and Analysis (1984-1985; 1992-1993; 1994-1996)
- Interdisciplinary Seminar (1985-1989; 1992-1993)
- Interdisciplinarity. Science and Mathematics (1992-1994)
- History and Philosophy of Education (1992-2006)
- Thematic Seminar (1999-2004)
- Philosophy of Science (2001-2002) (Biochemistry Department)
- Themes and Problems in Epistemology and Philosophy of Science (2003-2004; 2005-2006)

### **Tutorials and stage advising**

- Monographies of the License in the Teaching of Mathematics, Faculty of Sciences of the University of Lisbon (1985-88)
- Stage advisor of the License in the Teaching of Mathematics, Faculty of Sciences of the University of Lisbon (1986-88) (1999-04)(2005-2006)
- Stage advisor of the License in the Teaching of Biology, Faculty of Sciences of the University of Lisbon (1994-96) (1998-99)
- Stage advisor of the License in the Teaching of Physics, Faculty of Sciences of the University of Lisbon (1996-97, 2006-2007)

## **Other teaching and lecturing in Portugal**

- Faculty of Human and Social Sciences, New University of Lisbon, graduate level (1987-1988).
- University of Madeira, graduate level (1988-1990, 1999).
- University of Algarve, graduate level (2003; 2004).
- Master Program of Drawing, Faculty of Fine Arts of the Lisbon University, (2003).
- Master and PhD Program on Developmental Psychology, Faculty of Psychology of the Lisbon University, (2004).
- Master Program on Bioethics, Faculty of Medicine of the Lisbon University (2006; 2007; 2009, 2012, 2014).
- Doctoral Program of the University of Oporto (2011).
- Doctoral Program of the Gulbenkian Institute of Science (IGC), (2012).
- Doctoral Program on Complexity Sciences, Social Sciences Institute of Lisbon University (ISCTE) (2006; 2009; 2017).

## **Panels**

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### **Agregation defense committees**

- Member of the jury for the Aggregation by Prof. Doutor Nuno Miguel Ornelas Martins, Portuguese Catholic University of Lisbon, 19-20 September 2013.

### **PhD defense committees**

- Member (arguing) of the jury for the dissertation "Sobre a Tolerância. Contributos da Filosofia para a Educação" ("On the concept of education. Contributes from Philosophy of Education"), presented by Master Isabel Aguilar Macedo to get



the PhD “Education and Development”, Faculty of Science and Technology, New University of Lisbon, 2007.

- Membro of the jury for the dissertation "Nós. Do encontro de experiências à construção de um saber de referência para a coordenação de acção conjunta. Uma voz para os educadores", presented by Dr. José Manuel Cravo Pombeiro Filipe, to get the PhD in Education, Faculty of Sciences of the University of Lisbon, 2008
- Member (arguing) of the jury for the final examination of the “Curso de Formação Avançada” of Dr. David Rodrigues dos Santos, PhD student in History, Philosophy and Heritage of Science, under supervision of Palmira Fontes da Costa, Faculty of Science and Technology, New University of Lisbon, 2011.
- Member (supervisor) of the Jury for the PhD dissertation "Philosophical Investigations of Attention", presented by Dr. Alexander Gerner to get the PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, July 2012.
- Member (president) of the Jury for the dissertation presented by Dr. Bruno José Mendes Gregorio Pereira de Almeida, to get the PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, November 2012.
- Member (supervisor) of the Jury for the dissertation "O que é um Objecto Quântico? Uma investigação sobre as Implicações Ontológicas e Epistemológicas desta questão" (“What is a Quantic Object? A research on the ontological and epistemological implications of the question”), presented by Dr. João L. Cordovil to get the PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, December 2012.
- Member (supervisor) of the jury for the PhD dissertation “A Presença da Metafísica na Ciência” (“The presence of Metaphysics in Science”), by Master Cláudia Ribeiro, to get the

PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 30th May 2014.

- Member of the jury for the PhD dissertation “Arte Contemporânea no tubo de Ensaio: uma reflexão sobre a responsabilidade social da Bioarte” (“Contemporary Art in the tube of essay: a reflexiono n social responsibility of Bioart”), presented by Davide Rodrigues dos Santos to get the PhD in History, Philosophy and Science and Technology Patrimony, Faculty of Science and Technology, New University of Lisbon, 9th December 2014.
- Member of the jury for the PhD dissertation “Mecânica e Epistemologia em Henri Poincaré” (“Mechanics and Epistemology in Henri Poincaré”), by Master Maria de Paz to get the PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 11th December 2014.
- Member (supervisor) of the jury for the PhD dissertation “Towards an Epistemology of Medical Imaging”, by Master Silvia di Marco, to get the PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 9th June 2015.
- Member (arguing) of the PhD dissertation “Imagem Fotográfica, Experiência e Possibilidade/Photographic image. Experience and possibility”, presented by Dr. Alexandra Beleza Moreira to get the PhD in Ciência e Tecnologia das Artes, Portuguese Catholic University of Oporto, 11th September 2015.
- Member (supervisor) of the jury for the PhD dissertation “Contributos para a Compreensão do Sucesso da Cosmologia do Big-Bang. Uma Análise Themática à luz de Gerald Holton” (“Contributes for the Comprehension of the Big Bang Cosmology success. Thematic Analysis on the basis of Gerald Holton”), by Master Joao Barbosa, to get the PhD in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 15th January 2016.
- Member (supervisor) of the jury for the PhD dissertation “O

Transcendental Geométrico e a Percepto-Cognição” (“The Geometric Transcendental and the Percepto-Cognition”), by Master Silvio Filipe Varela de Sousa, to get the PhD in Philosophy, Faculty of Social and Human Sciences, New University of Lisbon, 16th March 2017.

- Member (arguing) of the PhD dissertation of M. Romain Sauzet untitled “La Pluralité scientifique en action. Le cas du Labex IMU”, supervised by Prof. Thierry Hoquet, University of Lyon, France, 24 April 2017.

### **Master defense committees**

- Member (supervisor) of the jury for the dissertation “O Problema da Demarcação enquanto Problema Central da Filosofia da Ciência” (“the Demarcation Problem as the central problem of Philosophy of Science”), by Victor Hugo Simões de Almeida, to get the master’s degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 6 December 2016.
- Member (supervisor) of the jury for the dissertation “Can we play Science? Philosophical groundings of the 'tinkering'”, by Joao André Duarte, to get the master’s degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 7 December 2015.
- Member (arguing) of the jury for the dissertation “Emancipação intelectual na cultura cibernética / Intellectual Emancipation in the Cybernetic Culture”, presented by Dr. Maria José de Oliveira Barbosa to get the master’s degree in Aesthetics, Faculty of Human and Social Sciences, New University of Lisbon, 12 June 2013.
- Member of the Jury for the dissertation “Estudo do impacto da descoberta dos raios Xe das suas implicações médicas em Portugal / Study on the impact of X rays discovery and its medical implications”, presented by Dr. António Maria de

Almeida Reis Pereira Gonçalves to get the master's degree in Chemistry, Department of Chemistry and Biochemistry, Faculty of Sciences of the University of Lisbon, 2012

- Member (supervisor) of the Jury for the dissertation “Materialismo e idealismo na Física do final do século XIX e início do século XX a partir de 'Materialismo e Empiricocriticismo' de Lênine. O caso exemplar da interpretação bohriana da Mecânica Quântica / Materialism and Idealism in the Physics at the final of the XIX century and beginning of XX century on basis of Lenine's 'Materialism and empiric-criticism'. The exemplary case of Bohr's interpretation of Quantum Mechanics”, presented by Dr. Ana Pato to get the master's degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 2012
- Member (supervisor) of the jury for the dissertation "A Importância da Educação Musical no Desenvolvimento Cognitivo/The importance of musical education in cognitive development", presented by Dr<sup>a</sup> Maria Manuela Isaiás Afonso da Costa to get the master's degree in Education, Personal and Social Formation, Faculty of Sciences of the University of Lisbon, 2011.
- Member (supervisor) of the jury for the dissertation “Perspectiva e Conhecimento / Perspective and Knowledge”, presented by Dr. Pedro Caldas to get the master's degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 2011
- Member (supervisor) of the jury for the dissertation “Ciência e Web 2 / Science and Web 2”, presented by Dr. Thiago Santos, to get the master's degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 2011
- Member (supervisor) of the jury for the dissertation "As virtudes cognitivas dos modelos 3D no desenvolvimento da Química. Um estudo de caso: Van t'Hoff e a Estereoquímica / Cognitive virtues of 3D Models in the development of

Chemistry. A Case study: Van t'Hoff and the Stereochemistry”, presented by Dr<sup>a</sup> Maria Manuel Costa to get the master’s degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 2010

- Member (supervisor) of the jury for the dissertation "Electrões inobserváveis e estrela invisíveis. Em torno do questão do realismo científico: Alan Musgrave / Bas C. van Fraassen / Inobservable electrons and invisible stars. Around the question of scientific realism: Alan Musgrave and Bas C. van Fraassen”, presented by Dr. Claudia Ribeiro to get the master’s degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 2009
- Member (supervisor) of the jury for the dissertation "O Lugar da Psicanálise na Obras de Gaston Bachelard 'Formação do Espírito científico' a 'Psicanálise do Fogo' / The role of Psychoanalysis in the works of Gaston Bachelard 'The Birth of Scientific Spirit' and 'Psychoanalysis of fire’”, presented by Dr.<sup>a</sup> Ana Maria Mendes Gaspar to get the master’s degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 2008
- Member (arguing) of the jury for the dissertation "Projectos Educativos no Contexto Virtual Emergente/Education projects in the emergent virtual context", presented by Dr. Luís Gonçalo Dias de Carvalho Borges, to get the master’s degree in Philosophy, specialty “Philosophy and Educational Action”, Portuguese Catholic University, 2008
- Member (supervisor) of the jury for the dissertation "Metamorfoses do Conceito de Abdução em Peirce. O Exemplo de Kepler / Metamorphosis of the Peirce’s concept of Abduction. The example of Kepler”, presented by Dr. Ana Paula Silva to get the master’s degree in History and Philosophy of Science, Faculty of Sciences of the University of Lisbon, 2007
- Member (president) of the jury for the dissertation "Controvérsias Sociocientíficas. Actividades de discussão e

aprendizagem das Ciências da Natureza no 2º ciclo do Ensino Básico / Socioscientific controversies. Natural Sciences activities of discussion and learning at the 2<sup>nd</sup> cycle basic school", presented by Dr. Pedro Manuel Freire Patacho, to get the master's degree in Education, specialty "Science Didactics", Faculty of Sciences of the University of Lisbon 2006.

- Member (arguing) of the jury for the dissertation "As Representações da Internet / Representations of Internet", presented by Dr<sup>a</sup> Ana Sofia Bacalhau Ceia Guerra Piriquito to get the master's degree in "Communication and Language", Faculty of Human and Social Sciences, New University of Lisbon, 2004
- Member (arguing) of the jury for the dissertation "Hipertextualidade: para um Estudo do Hipertexto, Textualidade e Educação / Hypertextuality: A study on Hypertext, Textuality and Education", presented by Dr. Rui Emanuel Neves da Fonseca Vaz to get the master's degree in Education, speciality "Communication and Language", Faculty of Human and Social Sciences, New University of Lisbon, 2003
- Member (supervisor) of the jury for the dissertation "A teoria de Oparine sobre a Origem da Vida na perspectiva da História e da Filosofia das Ciências / Oparine's theory on the origin of Life in the perspective of History and Philosophy of Science", presented by Dr. Maria Helena Duarte Abreu to get the master's degree in Education, specialty "Science Didactics", Faculty of Sciences of the University of Lisbon, 2003
- Member (arguing) of the jury for the dissertation "Divulgação e Filosofia da Ciência na obra de Henri Poincaré / Science Divulgarion and Philosophy of Science in the work of Henri Poincaré", presented by Dr. Eduardo Jorge de Sousa Castro, to get the master's degree in History and Philosophy of Science, Faculty of Science and Technology, New University of Lisbon, 2002
- Member (supervisor) of the jury for the dissertation "O corpo

escotomizado da escola. Contributo para a implementação interdisciplinar da área de Formação Pessoal e Social no Ensino Secundário / The scotomized body of the school. Contribute for the implementation of the personal and social area in Secondary School " presented by Dr. Leonor Santos to get the master's degree in Education, specialty "Science Didactics", Faculty of Sciences of the University of Lisbon, 1998

- Member (supervisor) of the jury for the dissertation "Para uma pedagogia da mudança conceptual. Estudo de orientação epistemológica / For a pedagogy of conceptual changment. Study of epistemological orientation", presented by Dr. Maria Eduarda Santos to get the master's degree in Education, specialty "Science Didactics", Faculty of Sciences of the University of Lisbon, 1989.

### **PhD intermediate examination committees**

- Member of the jury for the 1st year "Curso de Formação Avançada", PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Adalberto Fernandes, "Uma política *da* ciência - a produção de política no fazer científico", Faculty of Law of the University of Lisbon, 13 September 2018.
- Member of the jury (president) for the 1st year "Curso de Formação Avançada", PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Ana Paula Suarez, "Imagem naturalista versus imagem da natureza. A iconografia da viagem filosofica de Alexandre Rodrigues Ferreira", Faculty of Law of the University of Lisbon, 20 June 2018.
- Member of the jury (president) for the 1st year "Curso de Formação Avançada", PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Naïb Mubalegh, "Rethinking the relation of economics and

evolutionary biology in the light of modeling practices in behavioral ecology and definitions of rationality”, Faculty of Law of the University of Lisbon, 30 May 2018.

- Member of the jury (president) for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Miguel Montenegro, “Aleturgia do cuidado de si em Foucault: sobre a possibilidade de auto-esculpia”, Faculty of Law of the University of Lisbon, 28 May 2018.
- Member of the jury (president) for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Joao Duarte, “Citizen Science: Territories and Risks””, Faculty of Sciences of the University of Lisbon, 9 April 2018.
- Member of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Fernando Pamplona, “As teorias do Espaço e do Tempo à luz da Hyperfísica”, Faculty of Law of the University of Lisbon, 5 September 2017.
- Member of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Jane Rodrigues Guimareas, “Entre Deleuze, Guattari e Simondon. Mecanosfera”, Faculty of Sciences of the University of Lisbon, 21 July 2017.
- Member of the jury (supervisor) for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Marco Pina e Silva, “From regulation of gene expression to epigenetics and neuroplasticity – an ontological and epistemological analysis”, Faculty of Sciences of the University of Lisbon, 21 July 2017.
- Member of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science,



Technology, Art and Society, of the PhD student José Manuel Marmeleira, “Hannah Arendt e a Modernidade Artística”, Faculty of Law of the University of Lisbon, 10 July 2017.

- Member (supervisor) of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Pedro Caldas, “O Cinema e a Ciência dos Processos”, Faculty of Law of the University of Lisbon, 3 July 2017.
- Member (supervisor) of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Ana Pato, “Apontamentos sobre a contradição dialéctica”, Faculty of Law of the University of Lisbon, 26 June 2017.
- Member of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Andrea Mazzola, “Extãsis Naturae. O Valor Eurítmico do Devir Natural; A. N. Whitehead e a “Escola de Lisboa”, Faculty of Law of the University of Lisbon, 6 March 2017.
- Member of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Mario Alberto Duarte Donas “Para uma arqueologia da Bioética: uma leitura biopolítica/For an archeology of Bioethics: a biopolitics perspective”, Faculty of Law of the University of Lisbon, 19 December 2016.
- Member of PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Maria Helena Abreu “A eugenia na intersecção com a psiquiatria em Portugal/Eugeny in the intersection with Psychiatry in Portugal”, Faculty of Sciences of the University of Lisbon, 21 September 2016.
- Member of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Paulo Roberto

“Configurações da verdade em Foucault. Saber, poder, ética / Configurations of truth. Knowing, power and ethics”, Faculty of Sciences of the University of Lisbon, 20 July 2016.

- Member of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Maria João Faustino, “Teledildónica: corpo, género e desejo na era da Técnica/Teledildonics: Body, Gender and Desire in the era of Technics”, Faculty of Sciences of the University of Lisbon, 20 July 2016.
- Member (supervisor) of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Fernando Rua “A experiência de pensamento como artefacto conceptual / Thought experiment as a conceptual artefact”, Faculty of Sciences of the University of Lisbon, 7 April 2016.
- Member (supervisor) of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Ana Saldanha “A controvérsia autoridade versus liberdade e a procura de uma fundamentação dos princípios universais dos valores / The controversy *autoritas* versus *libertas* and the search for grounding values universal principles”, Faculty of Sciences of the University of Lisbon, 15 March 2016.
- Member (president) of the jury for the 1st year “Curso de Formação Avançada”, PhD Program on Philosophy of Science, Technology, Art and Society, of the PhD student Tiago Carvalho “Responsabilidade ambiental e tecnológica. O contributo da ética das virtudes / environmental and technological responsibility. The contribute of the virtue ethics”, Faculty of Sciences of the University of Lisbon, 15 September 2014.
- Member of the jury for the 2nd year of the “Curso de Formação Avançada” by the PhD student Joana Rigato, “Indeterminism

and Free Will”, Faculty of Sciences of the University of Lisbon, 22 May 2014.

- Member (supervisor) of the jury for the 2nd year of the “Curso de Formação Avançada” of the PhD student João Barbosa, “Contributos para a Compreensão do Sucesso da Cosmologia do Big-Bang. Uma Análise Thematica à Luz de Gerald Holton”, Faculty of Sciences of the University of Lisbon, 2013.
- Member (supervisor) of the jury for the 2nd year of the “Curso de Formação Avançada” of PhD student Cláudia Ribeiro, "A Presença da Metafísica na Ciência / The presence of Mataphysics in Science”, Faculty of Sciences of the University of Lisbon, 22 January 2013.
- Member (president) of the jury for 1<sup>st</sup> year of the “Curso de Formação Avançada” of the PhD student in History and Philosophy of Science, Dr. Joana Rigato, “Indeterminism and free will”, Faculty of Sciences of the University of Lisbon, 29 April 2013.
- Member (supervisor) of the 2nd year of the “Curso de Formação Avançada” of the PhD student Silvia di Marco on “Imagiologia Médica / Medical Imaging”, Faculty of Sciences of the University of Lisbon, 21 May 2013.
- Member (supervisor) of the jury for the 1st year of the “Curso de Formação Avançada” of the PhD student João Barbosa, “Contributos para a Compreensão do Sucesso da Cosmologia do Big-Bang. Uma Análise Thematica à Luz de Gerald Holton/ Contributes for the Comprehension of the Big Bang Cosmology success. Thematic Analysis on basis of Gerald Holton”, Faculty of Sciences of the University of Lisbon, 2012.
- Member (supervisor) of the jury for the 1<sup>st</sup> year of the “Curso de Formação Avançada” of the PhD student in History and Philosophy of Science, Master Claudia Ribeiro, “Sobre Ciência e Metafísica / On Science and Methaphysics”, Faculty of Sciences of the University of Lisbon, 2011.

- Member (supervisor) of the jury for the 1<sup>st</sup> year of the “Curso de Formação Avançada” of the PhD student in History and Philosophy of Science, Master Margarita Silvia Di Marco, “Body represented: Philosophical perspectives on Medical Imaging in Contemporary Science and Art”, Faculty of Sciences of the University of Lisbon, 2011.
- Member (co-supervisor) of the jury of the 1<sup>st</sup> year of the “Curso de Formação Avançada” of Dr. Silvio Sousa, a PhD student in Philosophy, Faculty of Human and Social Sciences, New University of Lisbon, under supervision of Maria Filomena Mölder and co-supervision of Olga Pombo, Faculty of Human and Social Sciences of the New University of Lisbon, 2010.

## Awards

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- Honor Commission of the National Reading Plan (since 2017).
- *Mulheres na Ciência* (“*Women in Science*”), selected as one of the 100 science women to be part of the book edited by *Ciência Viva*, March, 2016.  
<<http://www.cienciaviva.pt/mulheresnaciencia/index.asp?id=197>>

## Languages

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Portuguese – native

English (spoken and written) - excellent

French (spoken and written) - excellent

Spanish (spoken and written) - excellent

Italian (spoken and read) - regular