RESEARCH GROUP
PHILOSOPHY OF LIFE SCIENCES

Main Activities 2006 – 2007
and
Foreseen Activities 2007 – 2010

Centro de Filosofia das Ciências da
Universidade de Lisboa
### Group Description

| Research Unit: | Centro de Filosofia das Ciências da Universidade de Lisboa  
|               | **uID:** 678 | **(L700678)** |
|---------------|--------------|
| Group Name/Designation: | Philosophy of Life Sciences  
| Principal Investigador: | António José Feliciano Barbosa  
| Time Interval: | (2003-2010)  
| Location of Group (Host Institution): | Fundação da Faculdade de Ciências  
| Keywords: | Philosophy of Medicine; Philosophy of Health; Philosophy of Biology; Evolution Theories  
| Funding, source, dates: | - Funding by the CFCUL  
|               | - 500 EUR - books funded by FCT/Project  
|               | - 25 600 EUR - Gulbenkian Professorship for the Master in History and Philosophy of Sciences - FCUL - Prof. Manuel Torres (Centro de Lógica y Filosofía de la Ciencia, Universidad Nacional de Sur, Bahía Blanca, Argentina) (2003-2004)  
|               | - 36.880 EUR - FCT post-doc grant - Prof. Manuel Torres (CFCUL / Universidad Nacional del Sur, Bahia Blanca, Argentina), at the CFCUL, working in the area of Philosophy of Biology, 2004-05 and 2005-2006  
|               | - 900 EUR - Private funding for purchasing books by João Sampaio MD (Navy Hospital, Lisbon)  

### PI and Researchers

**Researchers in the Group (Ph.D. Only)**

| (CV) | António José Feliciano Barbosa  
| (CV) | António Manuel Bracinha Vieira  
| (CV) | Fernando José Coelho Martins Vale  
| (CV) | Isabel Maria Ferreira Martins Serra  
| (CV) | José Pedro Quítalo Marvão  
| (CV) | Nuno Gabriel de Castro Nabais dos Santos  

Other Researchers in the Group (Ph.D. Only)

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<td>André Levy Martins Coelho</td>
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<td>Francisco José do Nascimento Carrapiço</td>
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<td>Juan Manuel Torres</td>
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Other Researchers in the Group (non Ph.D.)

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<td>António José de Barros Veloso</td>
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<td>Dinora Maria Sequeira Xavier</td>
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<td>João Manuel Costa Casqueiro de Sampaio</td>
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<td>Marco Alexandre Silva de Pina e Silva</td>
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Objectives and Achievements

General Objectives

This RG results from the reorganization of 2 previous Research Lines (RL): "Analysis of the political, ethical and social impacts of Life Sciences" and "Articulation and paradigmatic contamination between the human, natural and formal sciences".

Our objectives were:

- to study the social and ethical impacts of science and the politics of science and it's models. More specifically, to study the technological mediation, the anthropological and ethical challenges of scientific and technological developments, as well as the - in a different theoretical and methodological frame - the public understanding of science.
- to study the of paradigmatic contaminations between human and natural sciences, analyze the human science’s models in the study of the inner processes of the scientific knowledge and their social impact, and analyze the scope and limits of formalism in human sciences.

With an ever growing number of members, these two RL would eventually give birth to 3 Research Groups: the current "Philosophy of Life Sciences" RG (mainly aiming at studying Philosophy of Biology and Philosophy of Medicine ), the "Philosophy of Human Sciences" RG (please, see RG # 4), and the "Science, Ethics and Politics" RG (RG # 5).

As far as the "Life Sciences" is concerned, Prof. Antonio Barbosa and Prof. Nuno Nabais’ team - in a partnership CFCUL/ Lisbon Faculty of Medicine - shaped one of this RG's main objectives: to do research on Bioethics, Philosophy of Medicine and Health and History of Madness in Portugal.

Philosophy of Life and Biology has always had an important role in the CFCUL, mainly due to the important work done by Prof. J. M. Torres, an international expert in Philosophy of Biology, both as a Gulbenkian Professor (2003-2004) and a Post-doc at the CFCUL (2004-06). Besides Prof. Torres research and trainig at the CFCUL, he also developed, together with Prof. R. Gonçalves, a relevant teaching work in the Master on "Origin of Life" (Minho University; see "Main Achievements" below).

Largely as a consequence of Prof. Torres work in our Unit, a growing team of CFCUL members and collaborators from FCUL Biology Department (Prof. Carrapiço) and ISPA (PHD A. Levy), have been developing research around the study of Evolutionary Theories (already materialized in a Master Thesis (Dr. H. Abreu) and in a Colloquium, "Darwinism vs Creationism - Where Does a Scientific Theory Begin?" - please see the "Productivity section").
Main Achievements

This RG achieved the following outcomes:

PUBLICATIONS: (5 Book chapters and 8 articles; please see the "Productivity" section)

ORGANIZATION OF CONFERENCES: 3 National colloquia, 1 course and 4 other conferences (see "Productivity" section)

PhD AND MASTER THESIS: 7 Master thesis completed. 2 PhD thesis under way (see "Productivity" section)

TEACHING (both graduate and post-graduate, in Portugal and abroad)

A. Philosophy of Medicine
- Master on Bioethics, Lisbon Faculty of Medicine
  - coordination: Antonio Barbosa (since 2006)
  - lecturing by António Barbosa (2003-2007)
  - Nuno Nabais (2003-2007)-24h/year
  - Olga Pombo (2006)-4h
- Master on Palliative Care (Antonio Barbosa)
  - Module “Comunicação e Aspectos Psicológicos” –2007, 5 h, Lisbon Fac. Medicine (FML)
  - Module “Processo de Luto: Apoio Familiar e Profissional” 2007, 12h, FML
  - Module “Educação e Formação em Cuidados Paliativos” 2007, 4h, FML
- Master on Sciences of the Pain (Antonio Barbosa) : 2005-present; current coordinator.
- Master on Sexology (Antonio Barbosa) : 2004-present.
- Free Course on Relational Ethics (Antonio Barbosa) – Coordinator since 2003 – Medicine Graduation

B. Philosophy of Life and Biology
- Master "Evolution and Origin of Life", Univ. Minho (Portugal)
- Master "Evolution and Origin of Life", Univ. Minho (Portugal)
  - lecturing by Manuel Torres: "Filosofia de Biologia" (20h) (2004-06)
- Master "History and Philosophy of Science, FCUL, Lisbon
  - lecturing by Manuel Torres: "Análisis sobre biotecnología, ética y sociedad" (8h)

RESEARCH PROJECTS COORDINATION (Antonio Barbosa):
- “Morbilidade no Doente Oncológico”, Psychiatry Service/Hospital de Santa Maria, Lisbon
- “Estudo de Qualidade em Psiquiatria de Ligação”, Serviço de Psiquiatria/Hospital de Santa Maria, Lisbon
- “Confidencialidade de Dados”, Centro de Bioética/Faculdade de Medicina de Lisboa, Lisbon

TALKS & CONFERENCES
- 5 talks (by invitation) at international conferences
- 9 talks (by invitation) at national conferences
- 4 accepted papers/talks to colloquia
- 6 other talks

PARTICIPATION IN 10 POST-GRADUATE JURIES

**Productivity**

**Publications in peer review Journals (3000 ca.)**

(Up to a max of 10. Always indicate at the end of the citation, impact factor of the journal (IF=) and number of citations (nº C=). Give title and full citation in original language. DO NOT translate)


2) Juan Manuel Torres (2005), Genetic tools, Kuhnean theoretical shift and geneticization process in Medicine, Health Care and Philosophy, pp. 1-10


**Other publications (3000 ca.)**

(Include only Books, chapters or full papers published in conference proceedings up to max of 10. Give title and full citation in original language)

**BOOK CHAPTERS**


**PROCEEDINGS**


**ONLINE PUBLICATIONS**


**Master and Ph.D. thesis completed (3000 ca.)**

**MASTER THESIS** completed in this period:

**PhD THESIS:**
There are no PhD thesis completed in this period. There are 2 thesis under way:
1. “Correlações psicossociais da somatização”, Cristina Fabião, ICBAS/Universidade do Porto. (in progress)
2. “Um presente embrulhado em dor: o contacto com a morte nos profissionais de saúde”, Teresa Alexandre Andrade, Faculdade de Psicologia e Ciências da Educação da Universidade de Lisboa. (in progress)

**Organization of conferences (2000 ca.)**

**NATIONAL COLLOQUIA**

2. 2007 - Darwinismo versus Criacionismo - Onde começa e onde acaba uma Teoria Científica? - organization: Centro de Filosofia das Ciências (CFCUL), Centro de Biologia Ambiental (CBA), Sociedade Portuguesa de Ciências Naturais (SPCN), Biblioteca Central da FCUL and Livraria Escolar Editora, Faculdade de Ciências da Universidade de Lisboa, Anfiteatro 36 (6.1.36), Lisbon, 21.03.2007, 14h-20h.

3. 2007 - Bioética: Conceitos Fundamentais (Liberdade, Dignidade, Responsabilidade, Racionalidade, Felicidade) - in collaboration with the Centro de Bioética da Faculdade de Medicina de Lisboa, Faculdade de Medicina de Lisboa, Anfiteatro Cid dos Santos, Lisbon, 12.04.2007, 10h-18h

COURSES

PERMANENT SEMINAR OF PHILOSOPHY OF SCIENCES
1. A Fraude de Piltdown. Migração e Contaminações Ideológicas de Modelos, Bracinha Vieira (Universidade Nova de Lisboa, UNL, Portugal), 16.03.2005 (18h), FCUL, Lisbon.

2. Ciências da Vida e Ciências Humanas: A Questão do Reducionismo, José Luís Garcia (Instituto de Ciências Sociais, ICS, Portugal), 31.05.2005 (18h), FCUL, Lisbon.


4. Evidence-Based Medicine: A Reading of the Original Textbook, Rasmus Tore Slaattelid (Univ. Bergen, Norway), 10.05.2007, 18h, FCUL, Lisbon.

Internationalization (2000 ca.)
(Collaborative publication, Research, Graduate Training Networks or other forms of participation of the Research Group at the international level)

INTERNATIONAL PROJECTS
SIPS, Système d'Information en Philosophie des Sciences (head - Thierry Martin) 3 UMR de Philosophie des Sciences, IHPST / CNRS, França

PARTNERSHIPS WITH INTERNATIONAL INSTITUTIONS:
Centre for the Studies of the Sciences and the Humanities (SVT), Bergen, Norway.
This partnership has just began this year, and gave already origin to a conference by Prof. Rasmus Tore Slaattelid, with the title "Evidence-Based Medicine: A Reading of the Original Textbook". This goes along with the about to start line in Philosophy of Medicine which will study the concepts of Health, Illness, Disease, Evidence-based Medicine and Diagnosis (please see chapter "5. Future Research")

FOREIGN VISITING FELLOWS:
1. Prof. Juan Manuel Torres (Centro de Lógica y Filosofía de la Ciencia, Universidad Nacional de Sur, Bahía Blanca, Argentina) - Gulbenkian Professorship for the Master in History and Philosophy of Sciences - FCUL - (2003-2004)

Future Research
Objectives
The RG will work on the following 3 lines:
1) EPISTEMOLOGY OF MEDICINE
- Prof. MD Antonio Barbosa will give special attention to the epistemological status and ethical dimension of the communicative relation between patient and physician. He intends to introduce a new chair, "Relational Ethics", at the Medicine graduation (FML, Univ. Lisbon), where he teaches, to organize an international congress on "Ethics, Communication and Epistemology of Medicine", to publish its proceedings and a book of its own authorship.

- Prof. Nuno Nabais, MD João Sampaio and MD Barros Veloso will discuss the so-called Evidence Based Medicine confronting it with the phenomenological concept of Evidence in medical diagnosis. Prof. Nuno Nabais will give special attention to the evidential experience of non-actual realities (protensions, probabilities, possibilities, risks, etc.) in medical knowledge. Dr. Sampaio and Dr. Barros Veloso will work out the concept of Evidence Based Medicine and its implications for the diagnosis process. Dr. Sampaio will organize in 2008 a National Colloquium on "Philosophy of Medical Knowledge" intending to do the state of the art in this area in Portugal and will publish the proceedings. The RG will receive support from Prof. Rasmus Tore Slaattelid (Centre for the Study of the Sciences and the Humanities, Univ. Bergen, Norway) who will be working with the CFCUL in his sabatic in 2008.

- Dr. B. Veloso (in collaboration with Prof. A. Barbosa) intends to do research on the scientific relevance of the Lisbon School of Medicine in the 30ties and 40ties in Portugal. He will publish the second book of a series dedicated to the History of Medicine in Portugal.

2) BIOETHICS

- Prof. A. Barbosa (with the collaboration of Prof. M. Vale and Prof. Nabais) will continue the research on Bioethics which is being done at the Master on Bioethics in the Faculty of Medicine (coordinator: Prof. Barbosa) and the support to its post-graduate students.

- In the line of two previous workshops organized by the CFCUL (in collaboration with the Faculty of Medicine and the Institute of Social Sciences in 2004 ("Not yet ill. Multidisciplinary contributes towards a Philosophy of Medicine") and in 2007 ("Bioethics. Fundamental Concepts: Liberty, Dignity, Responsibility, Rationality and Happiness"), Profs. Barbosa and Nabais intend to organize 3 Workshops:

  "Relational Ethics" (2007),
  "Bioethics and Biopolitics" (2008),
  "Bioethics and Epistemology" (2009)

3) EVOLUTIONISM AND EVOLUTION THEORIES

- Profs. B. Vieira, F. Carrapiço, Andre Levy and Master Helena Abreu will work on the publication of a series of 4 volumes dedicated to

1. Evolution. Arguments in favour
2. Evolution Mechanisms - from Lamarck to Margullis
3. Origin of Life
4. Origin and Evolution of Mankind

- They will organize an International Workshop in 2009: "150 Years of the Origin of Species from Charles Darwin"

- The RG will receive scientific support from Prof. M. Torres (former post-doc at the CFCUL and a renowned specialist in Philosophy of Biology) who will be invited to come to the above mentioned Colloquium "150 Years after the Origin of Species".
- Prof. R. Gonçalves has a new book underway, tentatively called “Perfis da Ciência Contemporânea” and a planned training session, “Ciência na História Contemporânea” (30 h).

- Furthermore this RG will give scientific support to a PHD dissertation (by Master Helena Abreu) and a Master dissertation (by Dr. Dinora Xavier).

**Funding, source, dates**

There is no funded projects in this RG. So, we intend to ask for specific funding (internal, Faculty of Medicine, FCT/FACC; Gulbenkian, Pharmacological Industry and other private fundings) for the organization of the following Colloquia and publications

**COLLOQUIA**

- International congress on "Ethics, Communication and Epistemology of Medicine", 2007 (estimated budget: 5.000 EUR)
- National Colloquium on "Philosophy of Medical Knowledge" to take place at the Geography Society of Lisbon, 2008 (estimated budget: 1.000 EUR)
- International Workshop "150 Years of the Origin os Species from Charles Darwin", 2009 (estimated budget: 5.000 EUR)
- Workshop on "Relational Ethics", 2007 (organized by Profs. Antonio Barbosa and Nuno Nabais) (estimated budget: 500 EUR)
- Workshop on "Bioethics and Biopolitics", 2008 (organized by Profs. Antonio Barbosa and Nuno Nabais) (estimated budget: 500 EUR)
- Workshop on "Bioethics and Epistemology", 2009 (organized by Profs. Antonio Barbosa and Nuno Nabais) (estimated budget: 500 EUR)

**PUBLICATIONS**

- Proceedings of the colloquium "Ethics, Communication and Epistemology of Medicine" (estimated budget: 2.000EUR)
- Book by António Barbosa - "Relational Ethics" (commercial edition)
- Proceedings of the colloquium "Philosophy of Medical Knowledge" (estimated budget: 2.000EUR)
- Book by Dr. Barros Veloso - "Lisbon School of Medicine in the 30ties and 40ties in Portugal" (commercial edition)
- Series of 4 volumes on "Evolutionism and Evolution Theories" (estimated budget: 5.000EUR)

**Previous publications in the area**

- TORRES, Juan Manuel (2005), Genetic Tools, Kuhnean Theoretical shift and Geneticization Process in The Journal of Medicine, Health Care and Philosophy, Kluwer: Springer Publishers

**Special Requirements**

Equipment, facilities, staff - we are counting on the support of the CFCUL. We also intend to ask for the collaboration of the Faculty of Medicine of the University of Lisbon, the Center of Bioethics of this Faculty, the FCUL Centro de Biologia Ambiental (CBA), the Sociedade Portuguesa de Ciências Naturais (SPCN), with whom we have already organized previous activities.

We also count with the collaboration of the FCT Project "Philosophy, Medicine and Society" coordinated by PHD Adelino Cardoso (CFUL/FLUL) and the "Medicine and History of Ideas Section" of the Scientific Society of Geography with whom we have recently established a partnership agreement.

Also, we intend to get extra support (conference venues freely available) for the following activities:
- International congress on "Ethics, Communication and Epistemology of Medicine", 2007 - Faculty of Medicine of UL
- National Colloquium on "Philosophy of Medical Knowledge", 2008 - Scientific Society of Geography of Lisbon
- International Workshop "150 Years of the Origin os Species from Charles Darwin", 2009 - Science Museum of Lisbon University
- Workshop on "Relational Ethics", 2007 - Faculty of Medicine of UL.
- Workshop on "Bioethics and Biopolitics", 2008 - Faculty of Medicine of UL.
- Workshop on "Bioethics and Epistemology", 2009 - Faculty of Medicine of UL.

For the publication of the foreseen volumes, we count with the collaboration and know-how of two editors: Publidisa and Esfera do Caos.