



***Center for Philosophy of Sciences of the  
University of Lisbon***



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of the University of Lisbon*

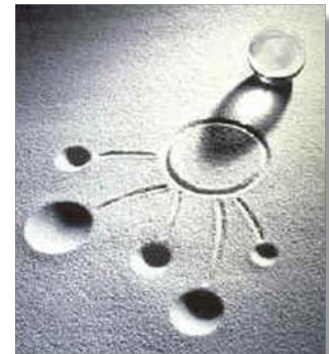


# CONSTITUTION OF THE CENTER

- The CFCUL was constituted at the Faculty of Sciences of Lisbon University **on the basis of Prof. Andrade e Silva's scholar tradition**
- The CFCUL was constituted **in 25.07.2003**
- The **funding** of the CFCUL began only in **2004**

## However

- Before the official creation of the CFCUL, in 2003, a team **of 7 Profs submitted to FCT the Project "Scientific Culture. Conceptual Migrations and Social Contaminations"**  
(rate: excellent)
- It was in the context of this project that the CFCUL emerged. In fact, this project was the laboratory in which the CFCUL team had its **first experience as a research unit**





# THE CFCUL

**CFCUL is the only research unit in Portugal exclusively dedicated to Philosophy of Science**

## **The CFCUL aims**

- to promote the **development of the Philosophy of Science in Portugal** by doing **research** as well as by offering **graduate and post-graduate training**
- **to fulfill the gap in Epistemology and Philosophy of Science existing in Portugal**
- to **disseminate** knowledge in the area of Philosophy of Science, both in the scientific community and in the public space

## **CFCUL's structure has the following specificities:**

- It is constituted at the **university level**. It does not duplicate the structure of a single department nor even of a single faculty. On the contrary, it includes people from several faculties and departments within the University of Lisbon and other universities
- It is **largely interdisciplinary** with people from diverse areas and scientific backgrounds
- It has a **strong international scope**, both in its members, collaborators and research partnerships

**CFCUL has a large conception of Science, reflecting the various theoretical questions of its members**

In a tradition coming from **Leibniz, Husserl and Neurath** we believe that Science is like a continuous ocean “even if men distinguish parts in it and give them names according to their comfort”.



# RESEARCH TEAM



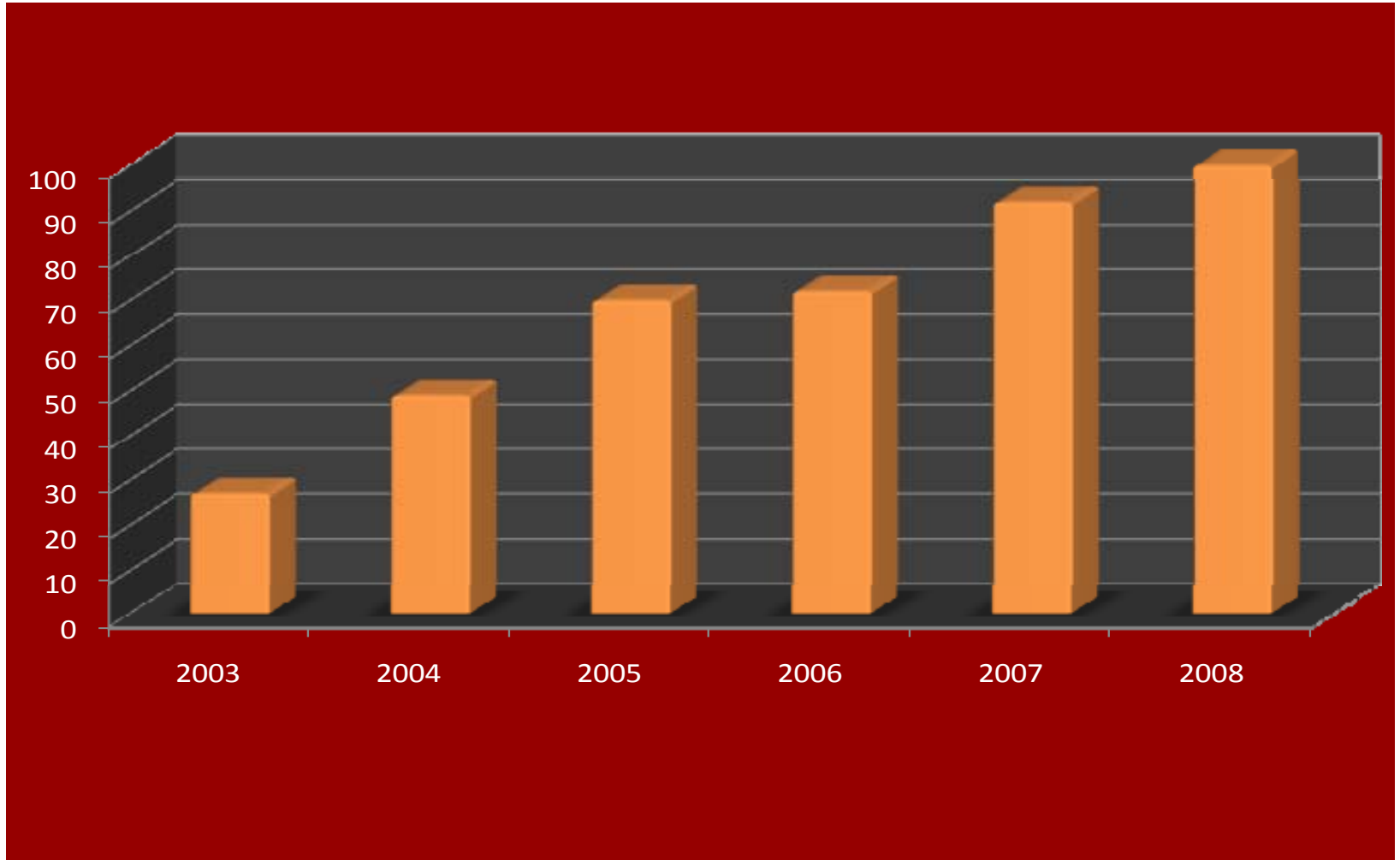


# TEAM

| Members                 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|-------------------------|------|------|------|------|------|------|
| PhD Members             | 7    | 10   | 13   | 14   | 22   | 23   |
| Master Members          | 5    | 7    | 6    | 9    | 17   | 13   |
| Graduated Members       | 7    | 11   | 21   | 17   | 22   | 29   |
| PhD Collaborators       | 8    | 19   | 26   | 26   | 26   | 29   |
| Master Collaborators    | -    | 1    | 1    | 1    | 2    | 3    |
| Graduated Collaborators | -    | 1    | 3    | 5    | 3    | 3    |
| Total                   | 27   | 49   | 70   | 72   | 92   | 100  |

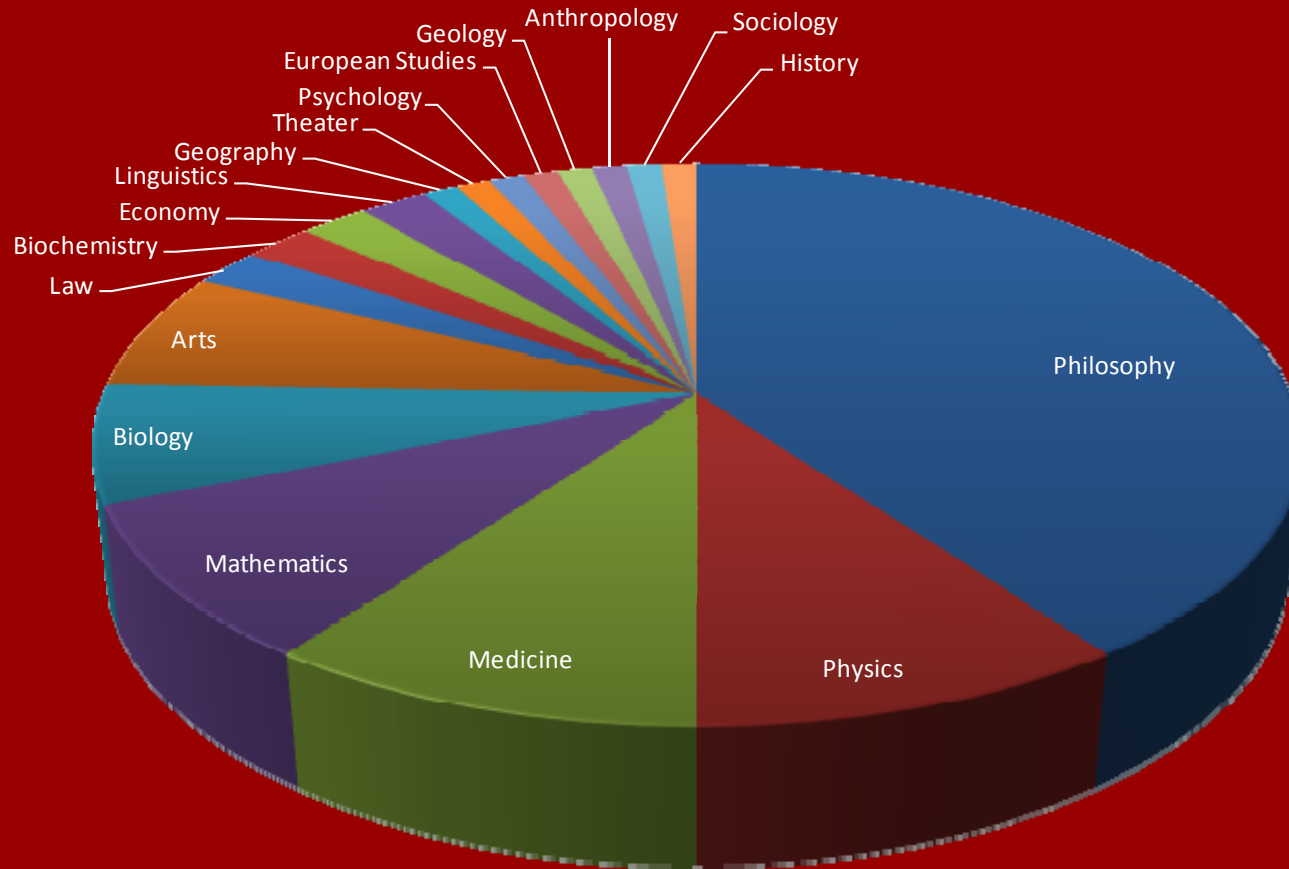


# TEAM



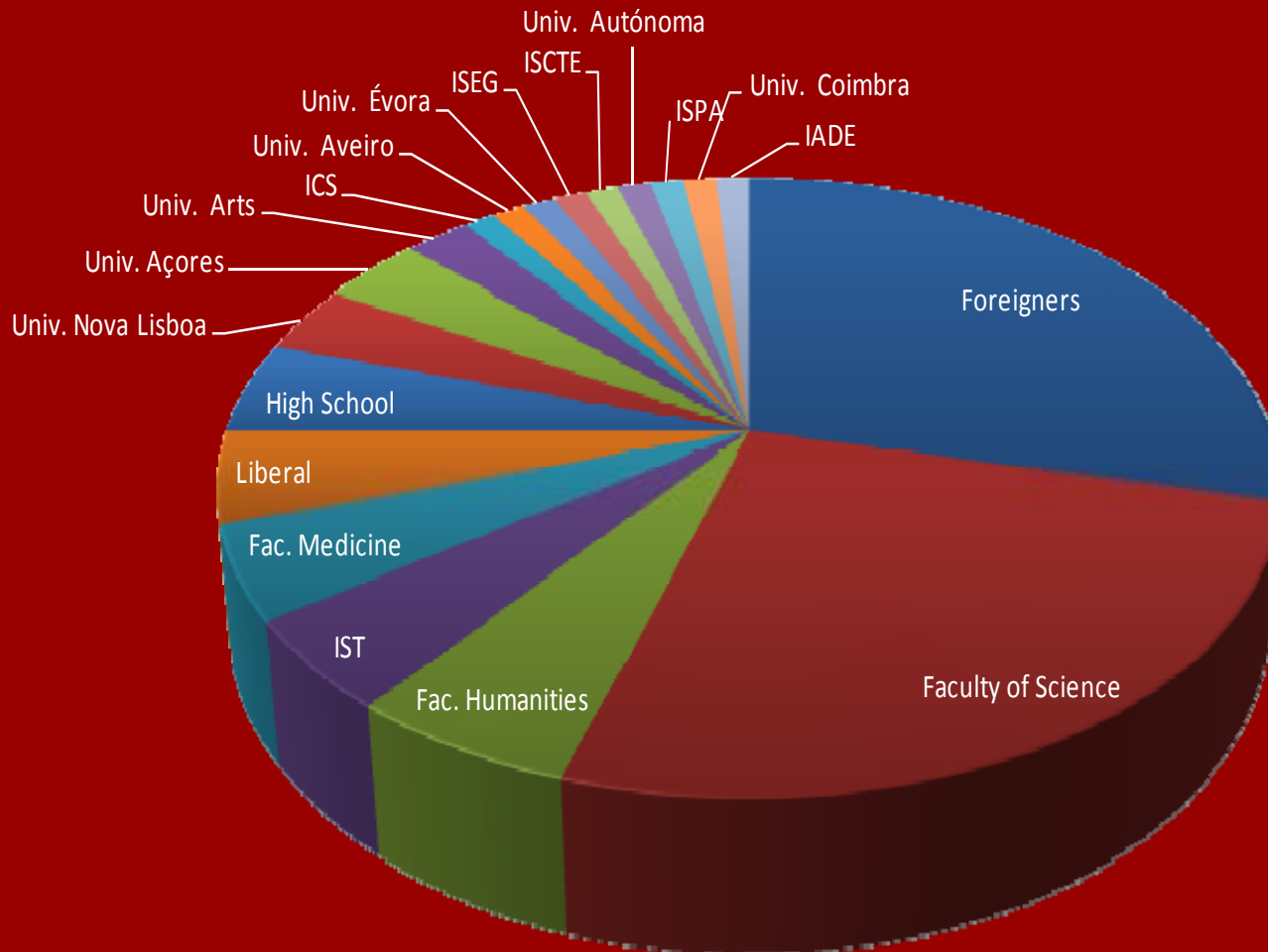


# TEAM DISCIPLINARY BACKGROUND



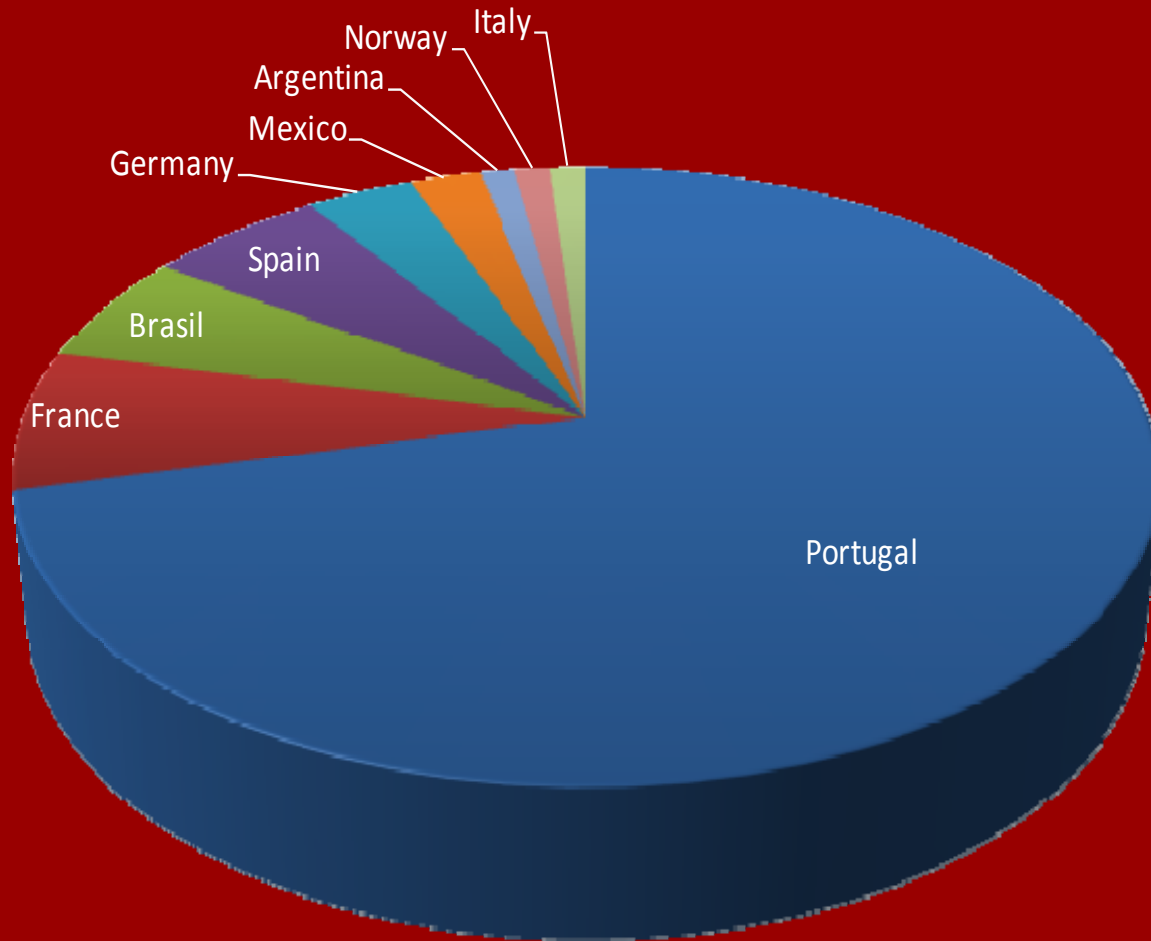


# TEAM INSTITUTIONAL AFFILIATION





# TEAM NATIONALITY





## SCIENTIFIC CONSULTANTS

- **Andrade e Silva** (Faculty of Sciences, Univ. Lisbon)
- **Daniel Andler** (Sorbonne, Paris IV, France)
- **Franco Selleri** (Univ. Bari, Italy)
- **Maria José Frapolli** (Univ. Granada, Spain)



# GRANT HOLDERS





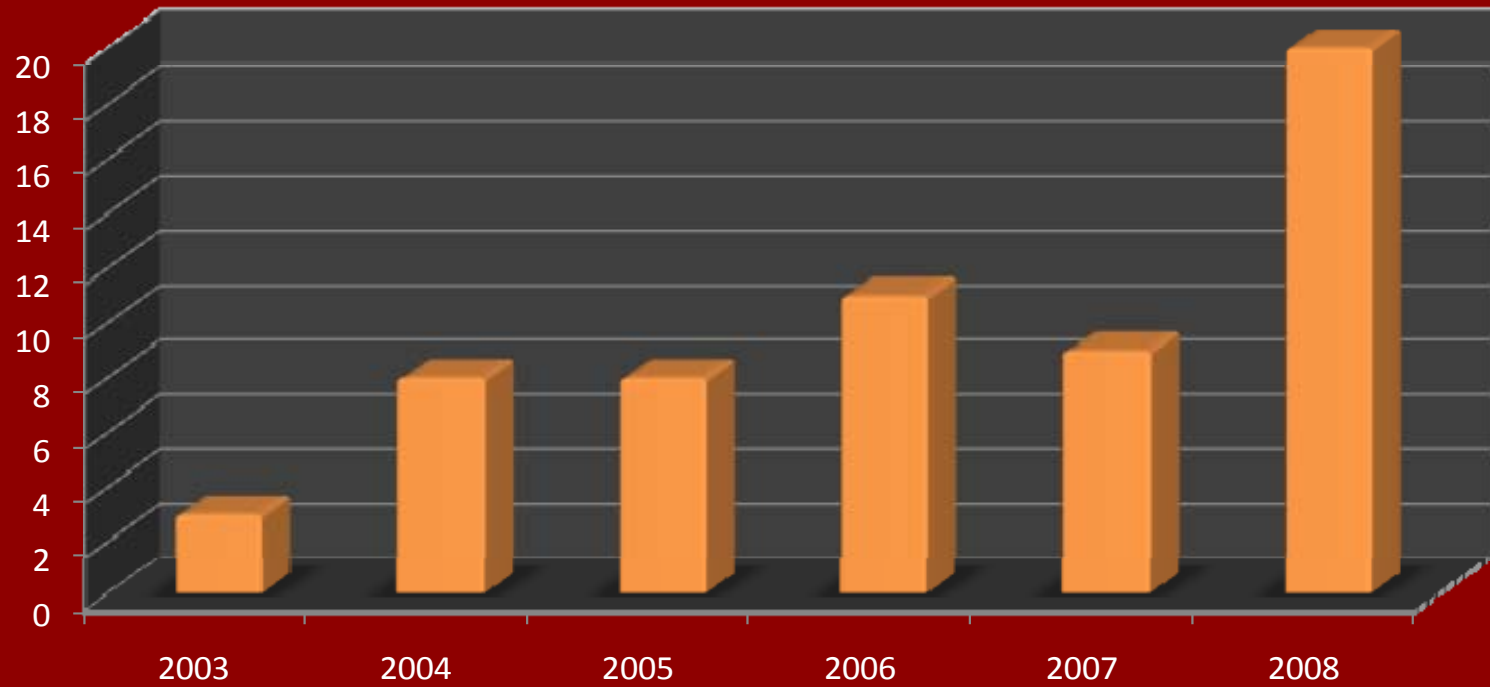


## GRANT HOLDERS

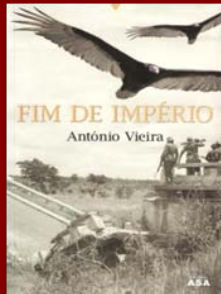
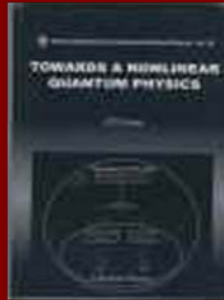
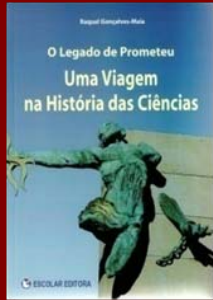
| Grants       | 2003 | 2004 | 2005 | 2006 | 2007 | 2008   |
|--------------|------|------|------|------|------|--------|
| Post-doc     | -    | 1    | 1    | 4    | 3    | 5 + 3  |
| PhD          | 3    | 6    | 6    | 5    | 3    | 3 + 6  |
| Projects BIC | -    | 1    | 1    | 2    | 2    | 4      |
| Total        | 3    | 8    | 8    | 11   | 9    | 11 + 9 |



# GRANT HOLDERS



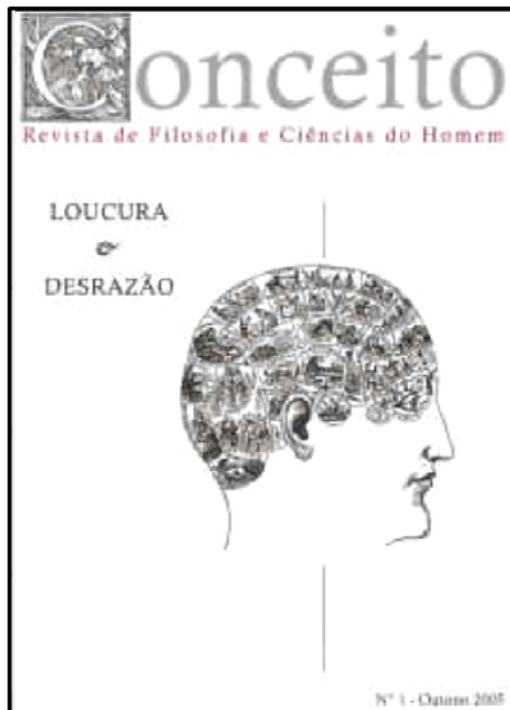
# PUBLICATIONS



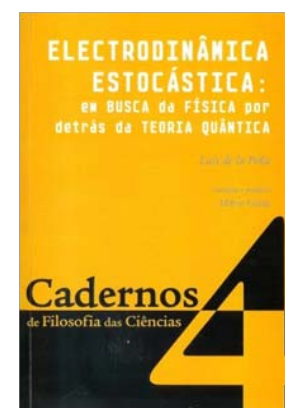
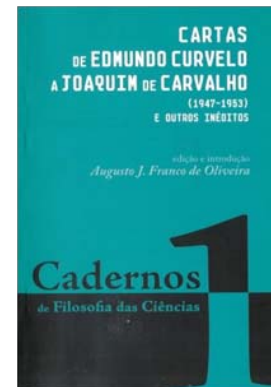


## CFCUL EDITION

### Journal “Concept”



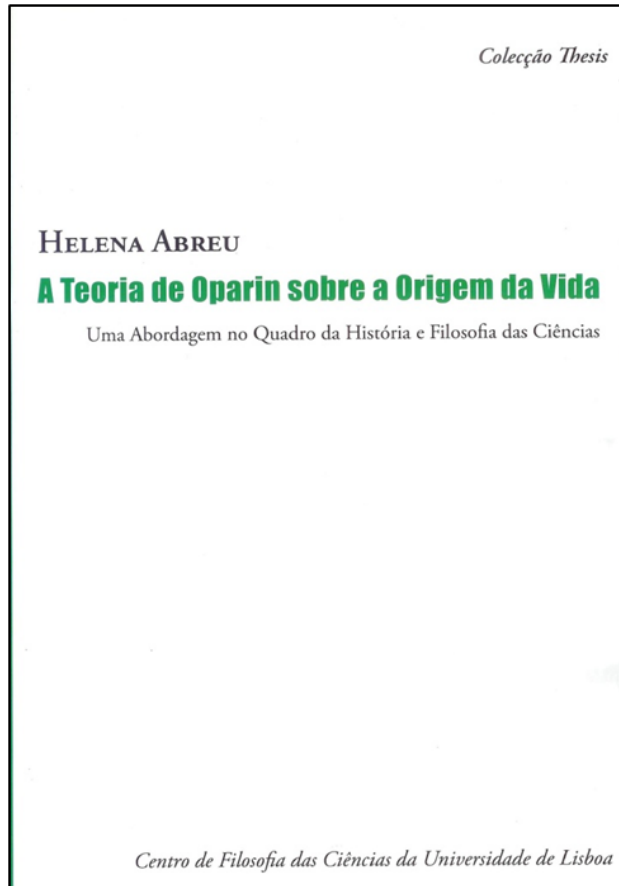
### Philosophy of Science Notebooks



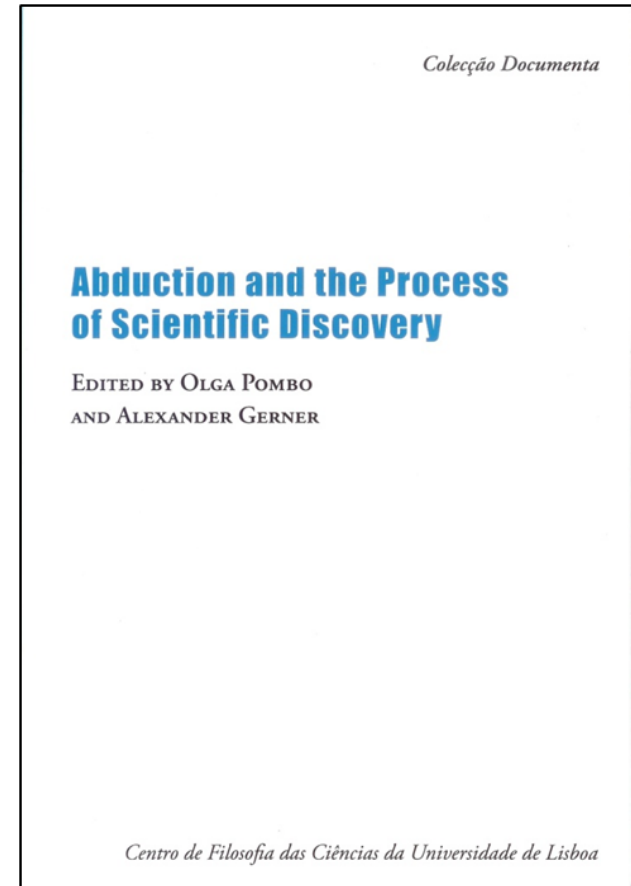


## CFCUL EDITION

### Series “Thesis” (2007)



### Series “Documenta” (2007)



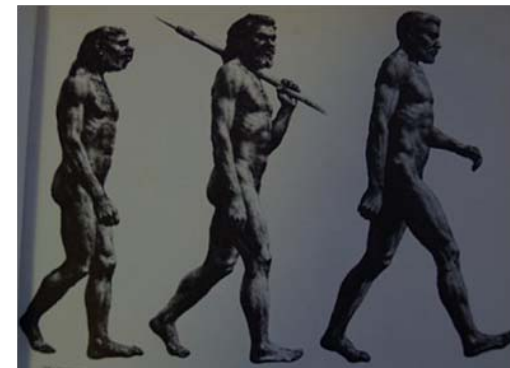
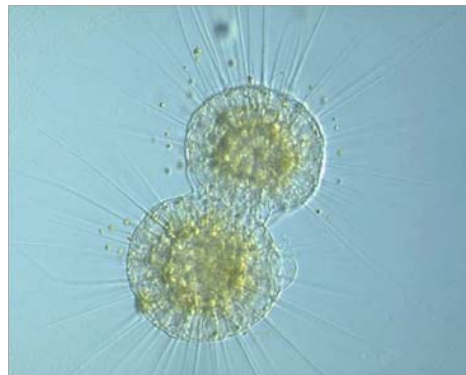
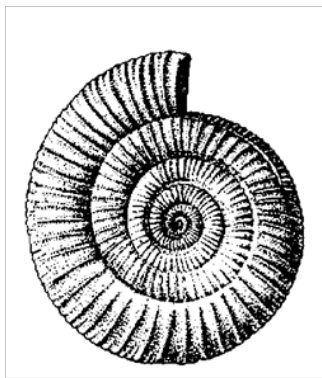
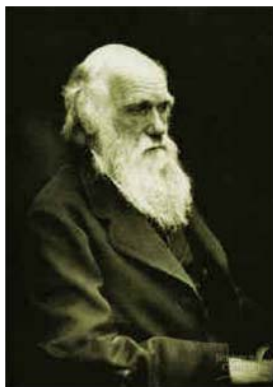
## Collection “Evolutionism: Foundations and Challenges”

I – Evolution: History and Arguments

II – Evolution: Concepts and Debates

III – Origin of Life

IV – Origin and Evolution of Man



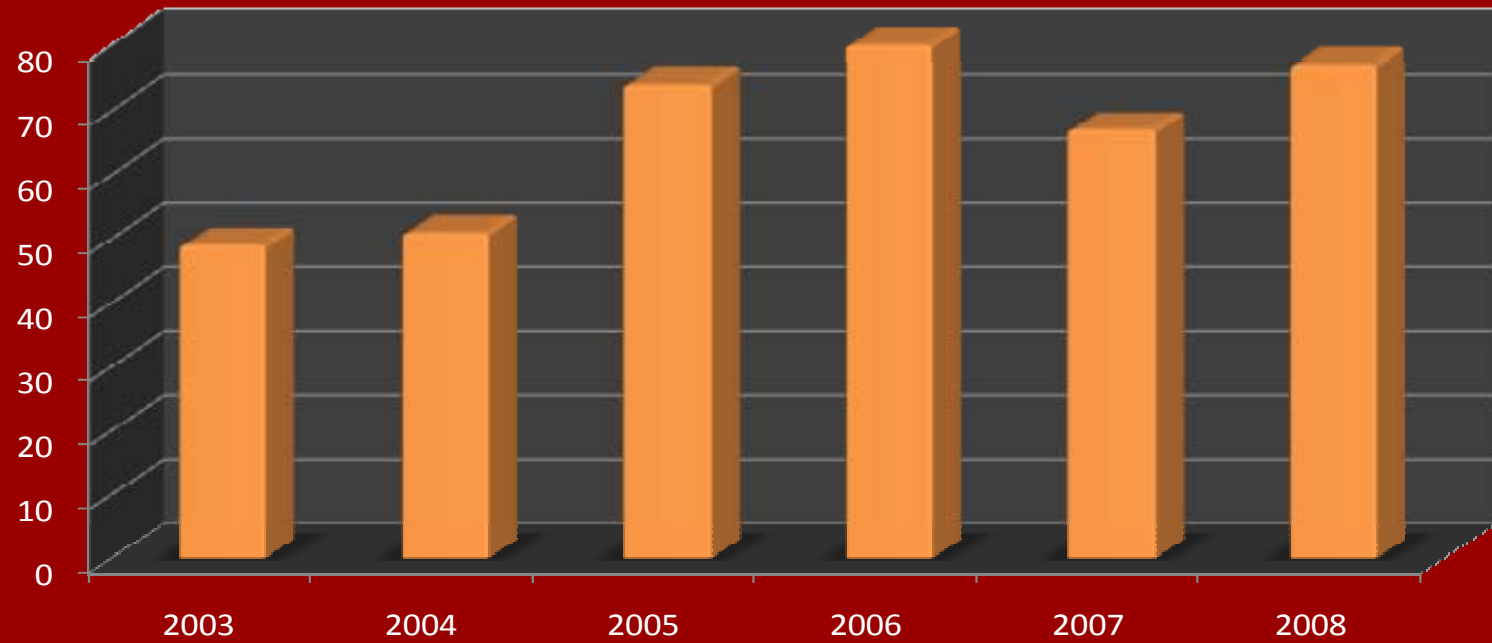


# PUBLICATIONS

| Publications          | 2003 | 2004 | 2005 | 2006 | 2007 | 2008    |
|-----------------------|------|------|------|------|------|---------|
| Books (International) | -    | -    | -    | 1    | 4    | 1 + 5   |
| Books (National)      | 5    | 10   | 16   | 7    | 3    | 6 + 15  |
| Articles              | 28   | 22   | 31   | 25   | 18   | 12 + 6  |
| Book Chapters         | 14   | 17   | 15   | 37   | 22   | 12      |
| Translations          | 1    | 1    | 4    | 6    | 14   | -       |
| Interviews            | 1    | 1    | 3    | -    | 2    | -       |
| CD Rom                | -    | -    | 4    | 2    | -    | -       |
| Radio and TV          | -    | -    | 1    | 2    | 4    | 20      |
| Total                 | 49   | 51   | 74   | 80   | 67   | 51 + 26 |



# PUBLICATIONS





# ORGANIZATION OF CONFERENCES





# ORGANIZATION OF CONFERENCES

The CFCUL organizes several kinds of conferences:

Besides the

- International and National Colloquia
- International and National Workshops
- Debates and Book Presentations

We have implemented **4 different regular series of meetings:**

- **Permanent Seminar of Philosophy of Science** – to which we invite **senior** researchers with relevant work in the area of Philosophy of Science
- **Gymnasium** – thought out as the place for discussion, by **junior** investigators, of their research developments
- **Dispersions** – the place for opening Philosophy of Science to apparently heterogeneous approaches
- **Immaterial talks** – informal discussions taking place at libraries and bookshops

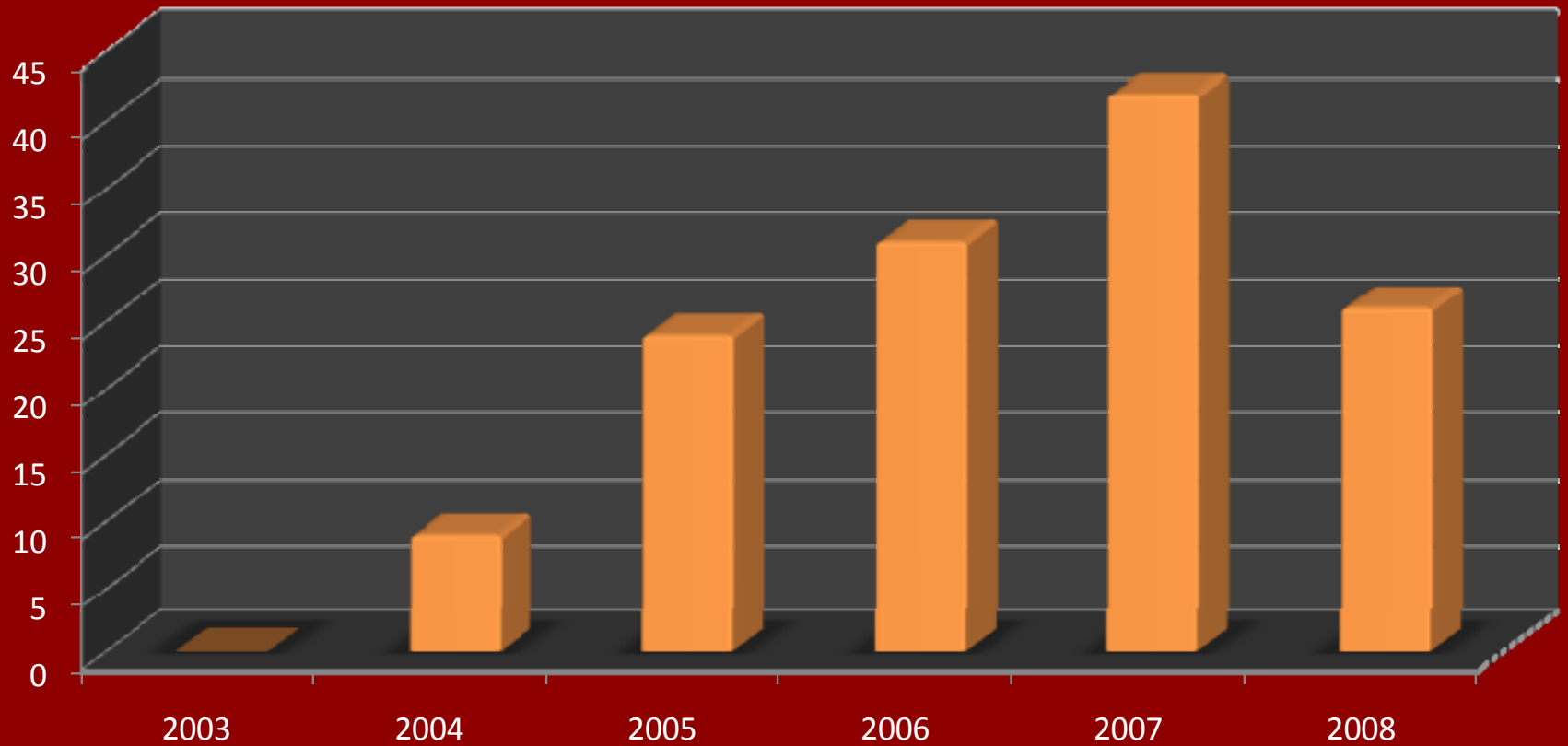


# ORGANIZATION OF CONFERENCES

| Conferences                                | 2003 | 2004 | 2005 | 2006 | 2007 | 2008   |
|--------------------------------------------|------|------|------|------|------|--------|
| International Colloquia                    | -    | -    | 1    | 3    | 3    | 1 + 1  |
| National Colloquia                         | -    | 1    | -    | 1    | 2    | 1      |
| International Workshops                    | -    | -    | -    | -    | 3    | 4      |
| National Workshops                         | -    | -    | 2    | 2    | 5    | 3      |
| Permanent Seminar of<br>Philosophy Science | -    | 7    | 8    | 7    | 5    | 5      |
| Other                                      | -    | 1    | 13   | 18   | 24   | 11     |
| Total                                      | -    | 9    | 24   | 31   | 42   | 25 + 1 |



## ORGANIZATION OF CONFERENCES



# TALKS



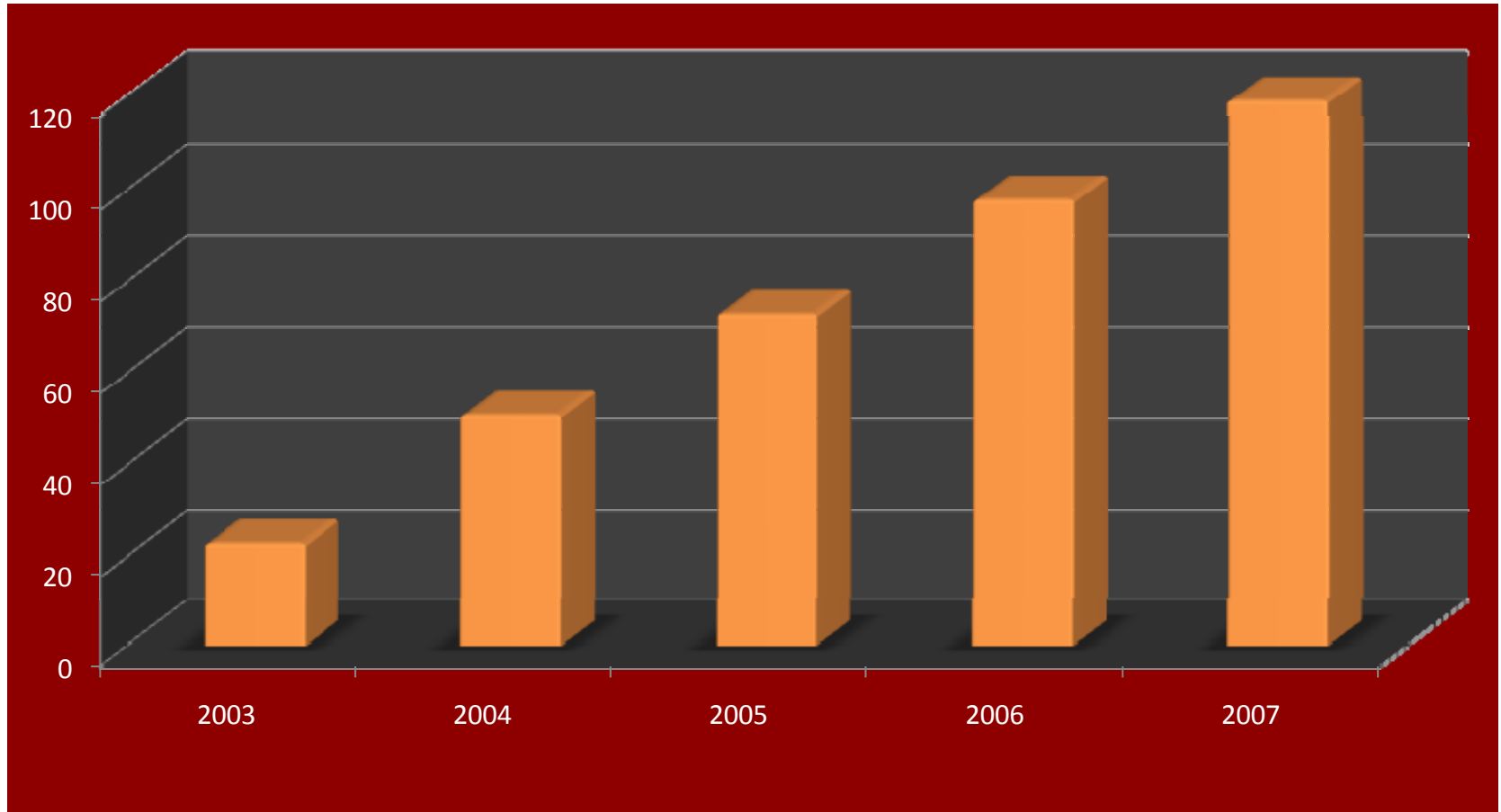


# TALKS

| Talks                        | 2003 | 2004 | 2005 | 2006 | 2007 |
|------------------------------|------|------|------|------|------|
| Invited International        | 4    | 16   | 11   | 17   | 17   |
| Invited National             | 5    | 20   | 27   | 28   | 47   |
| International Communications | 6    | 7    | 18   | 28   | 17   |
| National Communications      | 3    | 3    | 7    | 12   | 28   |
| Other                        | 1    | 6    | 11   | 7    | 11   |
| Total                        | 19   | 52   | 74   | 92   | 120  |

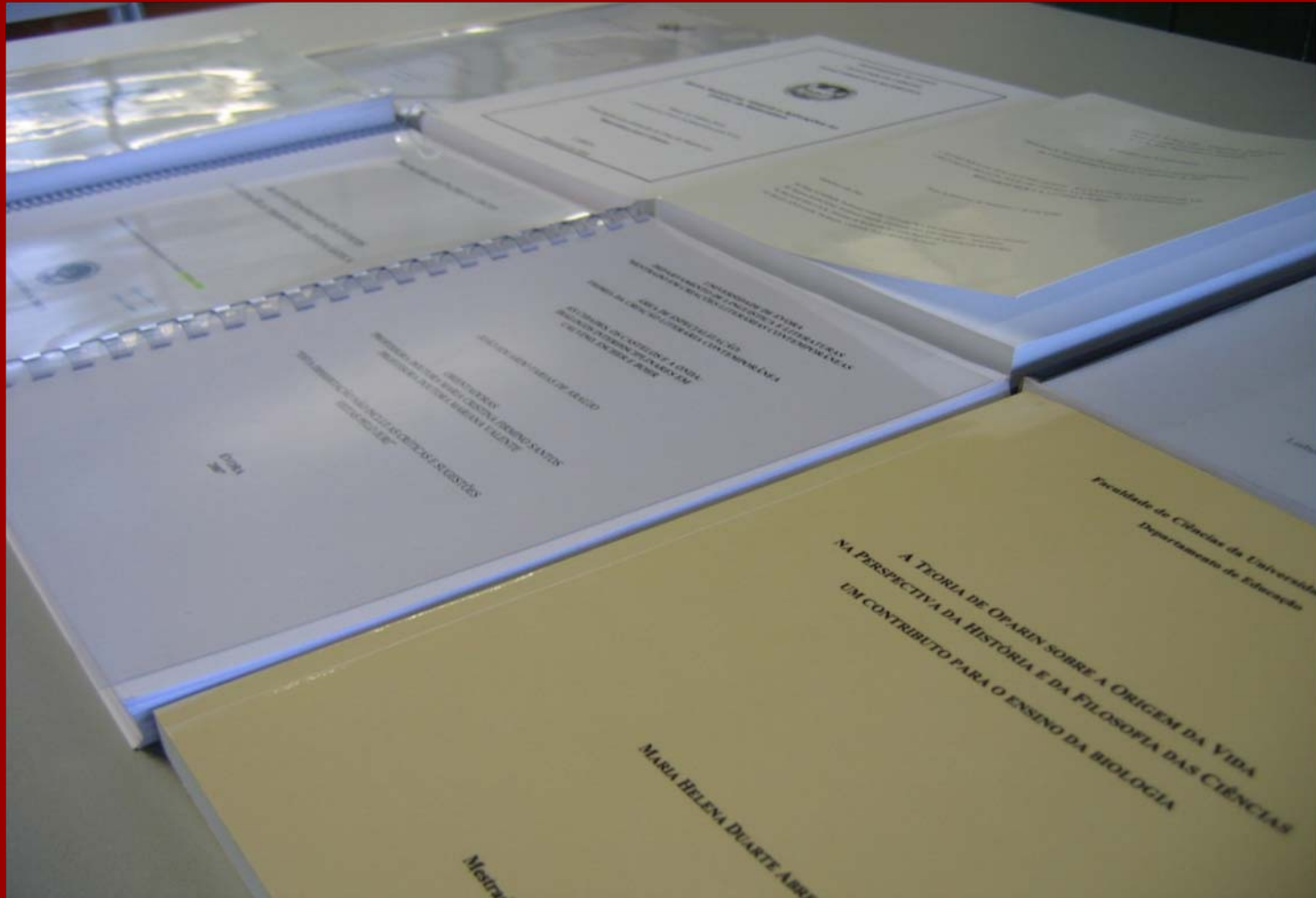


# INVITED TALKS





# THESIS





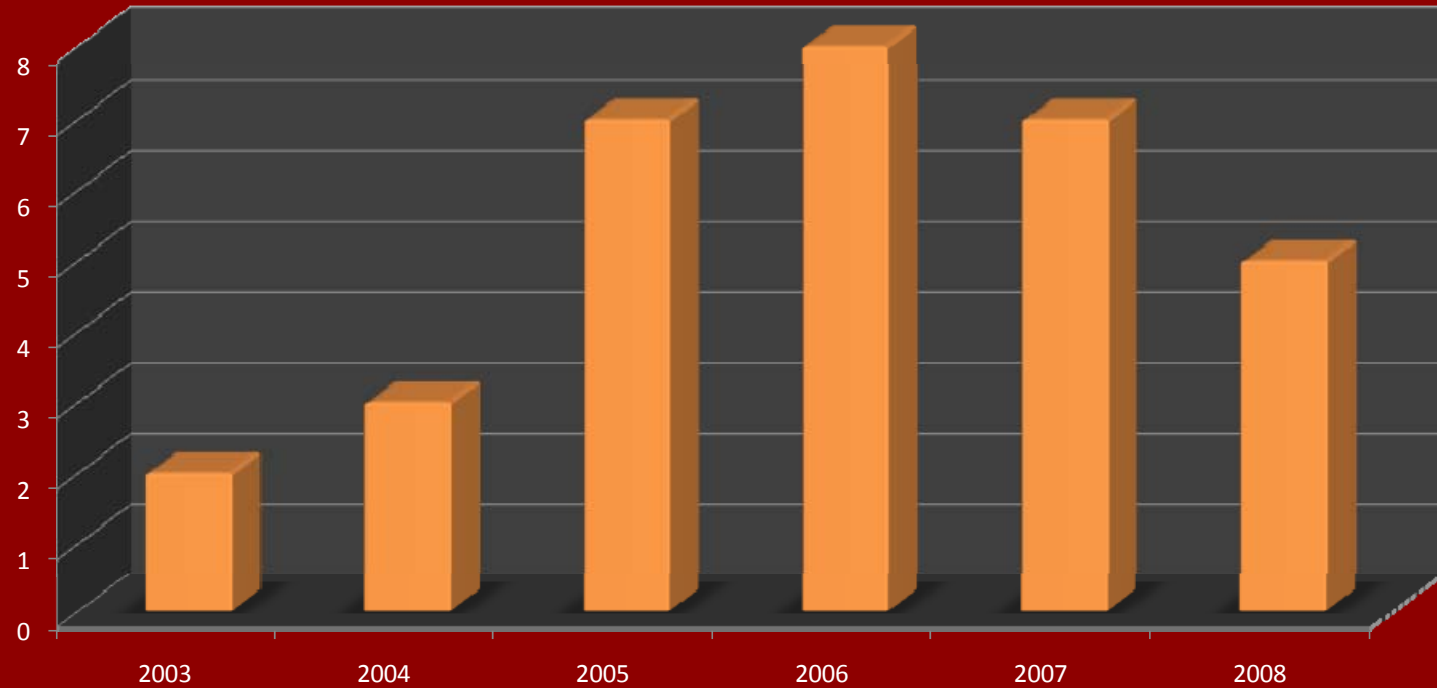


## THESIS (CONCLUDED)

| Thesis | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | Total |
|--------|------|------|------|------|------|------|-------|
| PhD    | 1    | -    | 2    | 2    | 2    | 2    | 9     |
| Master | 1    | 3    | 5    | 6    | 5    | 3    | 23    |
| Total  | 2    | 3    | 7    | 8    | 7    | 5    | 32    |



## THESIS (CONCLUDED)





## THESIS (ONGOING + IN PREPARATION)

| Thesis                            | Total   |
|-----------------------------------|---------|
| PhD (ongoing + in preparation)    | 17 + 8  |
| Master (ongoing + in preparation) | 7 + 6   |
| Total                             | 24 + 14 |



# POST-DOC

## Concluded (2)

**Juan Manuel Torres** (Univ. Nac. del Sur - Bahia Blanca, Argentina, 2004-2006)

**Verónica Fabrini** (Unicamp ,Instituto das Artes, São Paulo, Brasil, 2006)



## In Progress (5)

**Diogo Sardinha** (Universidade de Paris X, 2006-2009)

**Eduardo Pellejero** (CFCUL, Portugal, 2006-2009)

**Catarina Nabais** (CFCUL, Portugal, 2007-2010)

**Nuno Miguel Proença** (CFCUL, 2008-2011)

**Hassan Tahiri** (Univ. Lille, França) (CFCUL, 2008)





# PHD

## Concluded (9)

**João Pedro de Jesus Marto**, Faculdade de Ciências da Univ. Lisboa, (2003)

**Angela Dionísio**, Univ. Salford, Reino Unido, (2005)

**Diogo Sardinha**, Univ. Paris X Nanterre, (2005)

**Eduardo Aníbal Pellejero**, Univ.Lisboa, (2006)

**Filipe Tereno**, Université de Paris IV, Sorbonne, (2006)

**Catarina Pombo Nabais**, Univ.Paris VIII, Vincennes - Saint-Dennis, (2007)

**Nuno Miguel Proença**, École des Hautes Études en Sciences Sociales , Paris, (2007)

**José Manuel Cravo Pombeiro Filipe**, Univ. Lisboa, (2008)

**Vasco Saragoça**, Université de Paris IV, Sorbonne, (2008)





# PHD

## In progress (25)

**Nuno Melim**, Fac. Letras da Univ. Lisboa

**Davide Scarso**, Fac. Letras da Univ. Lisboa

**Golgona Anghel**, Fac. Letras da Univ. Lisboa

**Alexander Gerner**, Fac. Ciências da Univ. Lisboa,

**João Luís Cordovil**, Fac. Ciências da Univ. Lisboa

**Marina Vale**, Fac. de Medicina da Univ. Lisboa

**Dominique Mortiaux**, Fac. Letras, Univ. Lisboa

**Gil Costa Santos**, FCSH, Univ. Nova Lisboa

**Cristina Branco**, Fac. Belas Artes, Univ. Lisboa

**Nalliely Hernandez** Univ. Complutense de Madrid

**María de Paz**, Univ. Complutense de Madrid

**Tereza Ventura**, Univ. de Sevilha

**Gonçalo Zagalo**, Fac. Letras da Univ. Lisboa

**Rui Pereira**, Fac. Letras da Univ. Lisboa

**Maria Gabriela Meirelles**, FCUL, defesa prevista para Setembro de 2008

**Cristina Fabião**, ICBAS/Universidade do Porto

**Teresa Alexandre Andrade**, Faculdade de Psicologia e Ciências da Educação da Univ. Lisboa

**Raúl Buíno**, História e Filosofia das Ciências, FCUL, em preparação

**Marina Lopez**, História e Filosofia das Ciências, FCUL, em preparação

**Ana Figueiredo**, História e Filosofia das Ciências, FCUL, em preparação

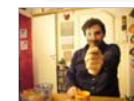
**João Eduardo Farias Araújo**, História e Filosofia das Ciências, FCUL, em preparação

**João Barbosa**, História e Filosofia das Ciências, FCUL, em preparação

**Cláudia Ribeiro**, História e Filosofia das Ciências, FCUL, em preparação

**Teresa Bígio**, História e Filosofia das Ciências, FCUL, em preparação

**Maruel Valente Alves**, História e Filosofia das Ciências, FCUL, em preparação





# MASTER

## Concluded (23)

**Maria Helena Duarte Abreu**, Educação, Fac. Ciências da Univ. Lisboa, defendida em 14/07/2003  
**Victor Gonçalves**, Filosofia, Fac. de Letras da Univ. Lisboa, defendida em 2004  
**Maria Manuela Pereira Escumalha**, Bioética da Fac. Medicina da Univ. Lisboa, defendida em 07/06/2004  
**Paula Alexandra Godinho**, Bioética da Fac. Medicina da Univ. Lisboa, defendida em 22/11/2004  
**Fátima Pina Martins**, Bioética, Fac. Medicina da Univ. Lisboa, defendida em 2005  
**Paulo Cardoso**, Filosofia, Fac. de Letras da Univ. Lisboa, defendida em 2005  
**Olívia Rego Tavares Gomes**, Bioética da Fac. Medicina da Univ. Lisboa, defendida em 04/10/2005  
**Sandra Serrano**, Bioética da Fac. Medicina da Univ. Lisboa, defendida em 23/11/2005  
**Paulo Pereira Lopes**, Bioética da Fac. Medicina da Univ. Lisboa, defendida em 28/11/2005  
**Rosalina de Castro**, Filosofia, Fac. Letras da Univ. Lisboa, defendida em 03/05/2006  
**Rui Pereira**, Filosofia, Fac. Letras da Univ. Lisboa, defendida em 07/06/2006  
**Cristina Rato Palmeira**, Bioética da Fac. Medicina da Univ. Lisboa, defendida em 14/07/2006  
**Alda Pereira da Silva Oliveira**, Bioética da Fac. de Medicina da Univ. de Lisboa, defendida em 17/07/2006  
**Eunice Neves**, Matemática, Fac. de Ciências da da Univ. de Lisboa, defendida em Novembro de 2006  
**Alexandre Miguel Marques Júlio**, Bioética da Fac. Medicina da Univ. Lisboa, defendida em 06/12/2006  
**Ana Isabel Mira Caeiro**, Bioética da Fac. de Medicina da Univ. Lisboa, defendida em 08/02/2007  
**Sílvia Leandro**, Matemática, Fac. de Ciências da da Univ. de Lisboa, defendida em Abril de 2007  
**Maria de Fátima Pona**, Matemática, Fac. de Ciências da da Univ. de Lisboa, defendida em Abril de 2007  
**Bruno Helder Pacheco Couto**, Ensino da Física, Univ. dos Açores, defendida em 1 de Outubro de 2007  
**Ana Paula Silva**, História e Filosofia da Ciência, Fac. de Ciências da Univ. de Lisboa, defendida em 19/12/2007  
**Sílvia Maria Alves Caldeira Berenguer**, Bioética da Fac. de Medicina da Univ. de Lisboa, defendida em 15/01/2008  
**João Eduardo Farias de Araújo**, Criações Literárias Contemporâneas, Univ. de Évora, defendida a 12/03/2008  
**Nuno Carvalho**, Filosofia, Fac. Letras da Univ. Lisboa, defendida a 23/05/2008





# MASTER

## In progress (13)

**Ana Maria Mendes Gaspar**, História e Filosofia das Ciências, Fac. de Ciências da Univ. Lisboa

**Celina Isabel Reduto**, História e Filosofia das Ciências, Fac. de Ciências da Univ. de Lisboa

**Claudia Sofia Martinho**, História e Filosofia das Ciências, Fac. Ciências da Univ. Lisboa

**Silvia Zelinda Vedor Fernandes**, Ciência Política e Relações Internacionais, Univ. Nova de Lisboa

**Alzira Manuela da Rocha Gomes Viegas**, Bioética da Fac. de Medicina da Univ. Lisboa

**Dinora Xavier**, História e Filosofia das Ciências, Fac. de Ciências da Univ. de Lisboa

**Mónica Sofia Alves**, Medicina Legal (Toxicologia), Fac. Medicina da Univ. de Lisboa

**Sofia Raposo**, História e Filosofia das Ciências, Fac. de Ciências da Univ. de Lisboa, em preparação

**Ricardo André Lopes**, História e Filosofia das Ciências, Fac. de Ciências da Univ. Lisboa, em preparação

**Isabel Coentro** História e Filosofia das Ciências, em preparação

**Ricardo Julião** História e Filosofia das Ciências, em preparação

**Flávia Neves**, FCSH, Univ. Nova Lisboa

**Joana Mesquita**, FCSH, Univ. Nova Lisboa





# TEACHING





## TEACHING / GRADUATE

**10 of our Members taught in 5 different institutions at graduate level:**

### **Fac. Sciences, Univ. Lisbon**

- Themes and Problems of Epistemology and Philosophy of Science
- History and Philosophy of Contemporary Physics
- Physics for Computing Sciences
- Foundations of Contemporary Physics
- Science in Contemporary History
- Prometheus Legacy – travelling by History of Sciences
- Analysis of Scientific Discourse

### **Fac. Humanities, Univ. Lisbon**

- History of Contemporary Ideas
- Contemporary Philosophy
- Topics of Philosophy of Physics

### **Fac. Medicine, Univ. Lisbon**

- Psychopathology
- Pharmacology
- History of Medicine

### **Fac. Arts, Univ. Lisbon**

- Aesthetics
- Theory of Art

### **Univ. Azores – Dept. Mathematics**

- Physics and Mathematics



# TEACHING / POST-GRADUATE

**9 of our Members taught in 10 different Master and Doctoral programs:**

## **Master Program in History and Philosophy of Science, FCUL**

- Olga Pombo - Philosophy of Scientific Knowledge (45h)
- Olga Pombo, Rui Moreira - Epistemology and Philosophy of Science in the XX century (45h)
- Nuno Nabais, J.M. Torres, Teresa Levy - Science, Ethics and Politics (45h)
- J.M. Torres - Biotechnology, Ethics and Society (45h)

## **Master in Bioethics, FMUL**

- A. Barbosa – Science and Ethics (45h)
- Nuno Nabais – Methods of Bioethics (12h)

## **Master in the Origin of Life, UM**

- Juan M. Torres – Philosophy of Biology (30 h).

## **Master in Theater, UE**

- Nuno Nabais- Theory of the actor's work (45h)

## **Master and Phd program in Political Science, UCP**

- João Lopes Alves – Political Thought of J. J. Rousseau (4h)

## **Master and PhD program in Social Sciences, UNL**

- João Lopes Alves - A Teoria das Relações Internacionais de John Rawls (8h).

## **Master in Complexity Sciences, ISCTE**

- Olga Pombo - Interdisciplinarity and Complexity (4h)

## **Master in Evolution, UC**

- Bracinha Vieira – Language evolution (4h)

## **Master in Philosophy, Univ. Estadual do Oeste do Paraná, Toledo, Brasil**

- Nuno Nabais – Modern and Contemporary Philosophy (20 h)

## **Ms in Philosophy, Univ. Michoacana de San Nicolás de Hidalgo, México**

- Eduardo Pellejero - La realidad de la ficción en la cultura contemporánea (30h)



# COURSES

**Besides formal teaching, the CFCUL team also offered 8 free courses**

- **Gildo Magalhães** (Universidade Estadual de S. Paulo / CFCUL) – The Sciences and the Philosophy of Nature in Romanticism, **CFCUL, 2006**
- **José Croca** (CFCUL) – Foundations of Quantum Mechanics, **CFCUL, 2007**
- **Amaro Rica da Silva** - Course on “Wavelets”, **CFCUL, 2008**
- **João Lopes Alves** – Permanent Seminar of Philosophy and Law, SPF, Lisboa
- **Nuno Proença** (with Soraya Nour and Paulo de Jesus) - Le sujet comme production de vérité: un parcours entre Kant et Freud», Seminaire externe, **Collège International de Philosophie, Paris**
- **Nuno Proença** - Le sujet comme production de vérité: un parcours entre Kant et Freud I et II, Seminaire externe du Collège International de Philosophie, 2007-2008
- **Nuno Proença** - Contexte, Art, Vérité – coordination des journées d’étude du seminaire «Réalité, Forme, Vérité» du Prof. Danièle Cohn, École des Hautes Études en Sciences Sociales, Paris
- **Raquel Gonçalves Maia** - Science in Contemporary History, FCUL

# PARTNERSHIPS





## INTERNATIONAL PARTNERSHIPS: 18

- Collège International de Philosophie, Paris, France
- Centre for the Study of Sciences and Humanities, Bergen, Norway
- Centre Michel Foucault, Paris, France
- Société de Philosophie des Sciences, Paris, France
- EPSA (European Philosophy of Science Association)
- La Science et ses Contextes, Lille, France - UMR 3 de Philosophie des Sciences, IHPST / CNRS, France
- Unicamp (Art Institut), São Paulo, Brasil
- Universidad Complutense de Madrid (Departament of Logics and Philosophy of Science), Spain
- Universidad de Sevilla (Group of Logics, Language and Information), Spain
- Universidad de Oviedo, Spain
- Universidad Michoacana de San Nicolás de Hidalgo (Faculty of Philosophy), Mexico
- Universidad Nacional del Sur , Bahia Blanca, Argentina
- Universidade Federal do Rio Grande do Sul, Brasil
- Universidade de S. Paulo, Brasil
- Università di Bari, Italy
- Universität Humboldt, Germany
- University of Texas / El Paso (Philosophy Department), USA
- Zentrum für Literaturforschung, Berlin, Germany



# International Network





## NATIONAL PARTNERSHIPS: 19

- Cátedra "A Razão" , Univ. Lisboa
- Centro de Biologia Ambiental , FCUL
- Centro de Bioética, Fac. de Medicina da Univ. Lisboa
- Centro Gulbenkian de Ciências, Oeiras
- Centro de Filosofia da Universidade de Lisboa , Lisboa
- Universidade dos Açores, Azores
- Editora Esfera do Caos, Setubal
- Faculdade de Belas Artes Univ. Lisboa
- Faculdade de Letras da Universidade de Lisboa
- Faculdade de Medicina da Universidade de Lisboa
- Instituto de Ciências Sociais (ICS) , Lisboa
- Montijo Municipality, Montijo
- Instituto Franco Português de Lisboa /Embaixada da França em Portugal
- Instituto Superior Técnico, Lisboa
- Museu de Medicina da Universidade de Lisboa
- Sociedade Científica de Geografia - Secção Medicina e História das Ideias
- Sociedade Portuguesa de Ciências Naturais , Portugal
- Teatro da Politécnica, Lisboa
- Teatro Nacional D. Maria II, Lisboa

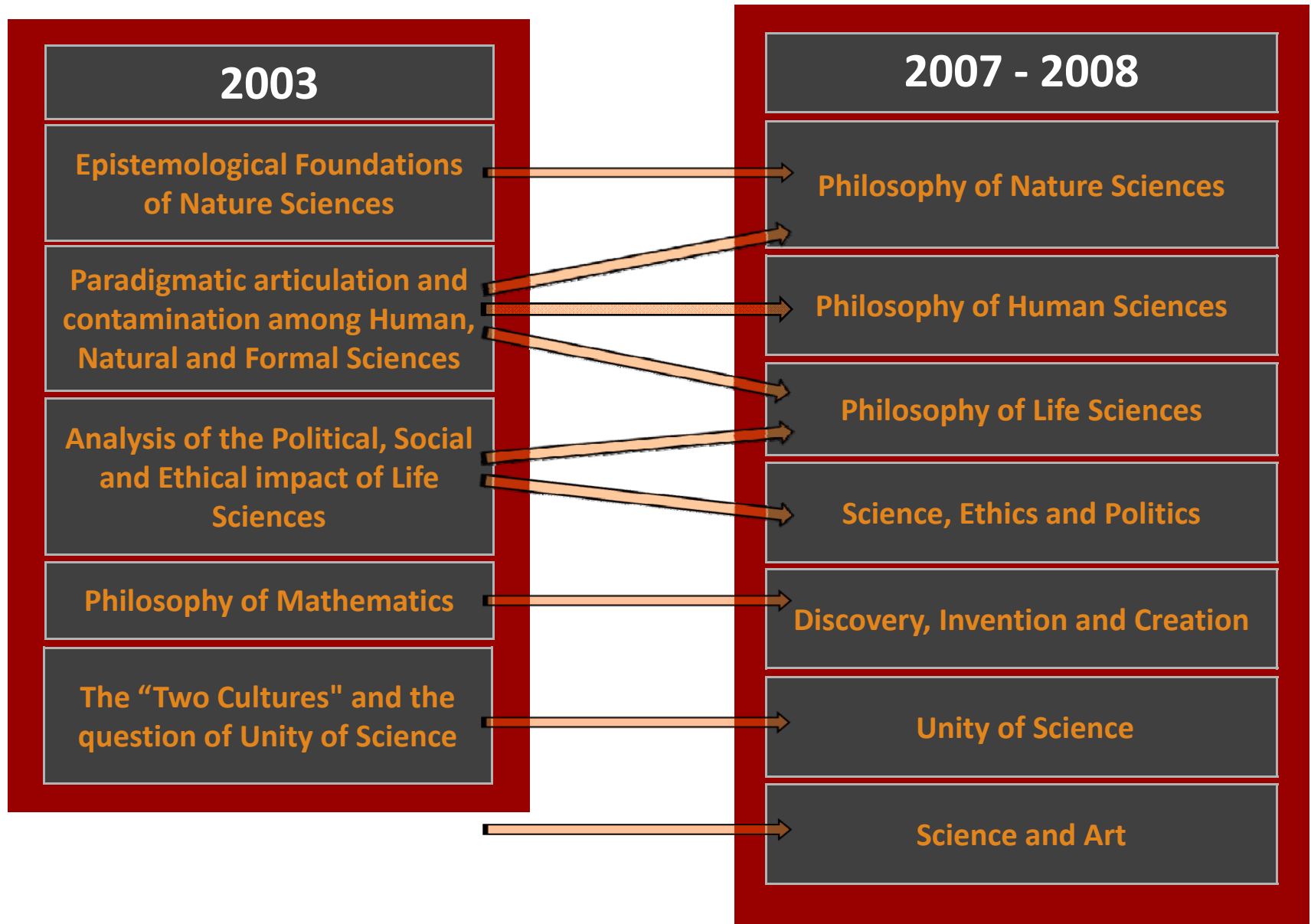


# RESEARCH





# RESEARCH GROUPS



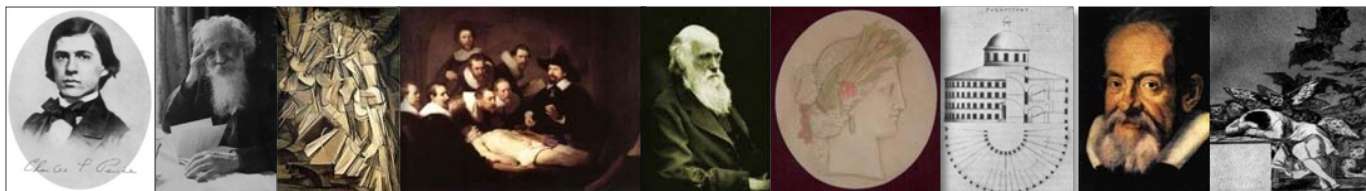


# RG / PROJECTS

| RG                                                                                  |                                             | Projects                                                                                                         |  |
|-------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------|--|
|    | <b>1. Philosophy of Nature Sciences</b>     | Great Science Personalities<br>FCT Project – Philosophy of Quantum Physics                                       |  |
|    | <b>2. Philosophy of Life Sciences</b>       | Bioethics<br>Epistemology of Medicine<br>Evolutionism and Evolution Theories                                     |  |
|    | <b>3. Philosophy of Human Sciences</b>      | Philosophy of Economics<br>Philosophy of Literature and Linguistics<br>Philosophical Problems of Human Sciences  |  |
|    | <b>4. Discovery, Invention and Creation</b> | Abduction and Scientific Discovery<br>FCT Project - Poincaré. Philosopher of Science                             |  |
|    | <b>5. Science, Ethics and Politics</b>      | Science and Technology / Science, Politics and Biopolitics<br>Science and Gender / Science and Knowledge Society |  |
|  | <b>6. Science and Art</b>                   | Bachelard. Science and Poetics<br>Science and Theater<br>FCT project – Image in Science and Art                  |  |
|  | <b>7. Unity of Science</b>                  | Plato's "Protagoras"<br>FCT Project – Scientific Culture. Conceptual Migrations and<br>Social Contaminations     |  |

# INTERNAL RESEARCH PROJECTS: 15

- Abduction and Scientific Discovery (head - Olga Pombo)
- Bachelard. Science and Poetics (head - Olga Pombo)
- Bioethics (head - António Barbosa)
- Epistemology of Medicine (head - António Barbosa)
- Evolutionism and Evolution Theories (head - Bracinha Vieira)
- Great Science Personalities (head - Rui Moreira)
- Philosophy of Economics (head - Vítor Neves)
- Philosophy of Literature and Linguistics (head - Eduardo Pellejero)
- Philosophical Problems of Human Sciences (head - Nuno Proença)
- Plato's "Protagoras" (head - Olga Pombo)
- Science and Technology (head - Teresa Levy)
- Science, Politics and Biopolitics (head - Nuno Nabais)
- Science and Knowledge Society (head - Alfreda Cruz)
- Science and Gender (head - Clara Queiroz)
- Science and Theater (head - Carlos Fragateiro)





# FCT - RESEARCH PROJECTS: 4



- **Scientific Culture. Conceptual Migrations and Contaminations**  
(head - Olga Pombo) (POCTI/FIL/48133/**2003-2006**)



- **Image in Science and Art**  
(head - Olga Pombo) (PTDC/EAT/64201/**2007-2010**)



- **Philosophical Problems of Quantum Physics**  
(head - José Croca) (PTDC/FIL/66598/**2008-2011**)

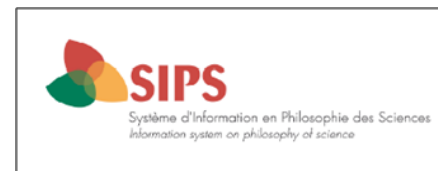


- **Poincaré. Philosopher of Science**  
(head - António Franco Oliveira) (PTDC/FIL/64748/**2007-2010**)



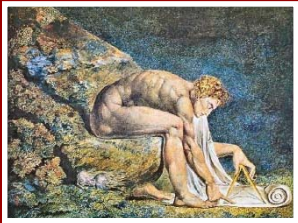
# INTERNATIONAL RESEARCH PROJECTS: 7

- **La Science dans ses Contextes - Pragmatisme Dialogique** Lille III, France (head - Shahid Rahman)
- **Le Rôle de la Micro-Histoire**, Lille III, France (head - Shahid Rahman)
- **Universal Logics and Unity of Science** (CFCUL / Univ. of Sevilla) - Acções integradas 2008-2010 (head - Angel Nepomuceno and Olga Pombo)
- **La Contextualization des Catégories de la Pensée Scientifique**, Lille III, France (head - Shahid Rahman)
- **Logiques de la Fiction**. Lille III, France (head - Shahid Rahman)
- **SIPS, Système d'Information en Philosophie des Sciences**, 3 UMR de Philosophie des Sciences, IHPST / CNRS, France (head - Thierry Martin)
- **MINTRA - Aesthetics, Normative and Epistemological Aspects of Interdisciplinarity**, Centre for the Study of Sciences and Humanities, University of Bergen, Norway. (head - Rasmus Tore Slaattelid)





# *THE RESEARCH GROUPS*



*Philosophy of  
Nature Sciences*



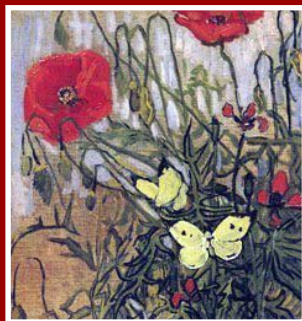
*Unity of Science*



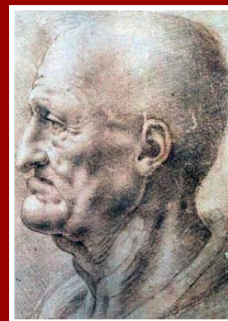
*Discovery, Invention,  
Creation*



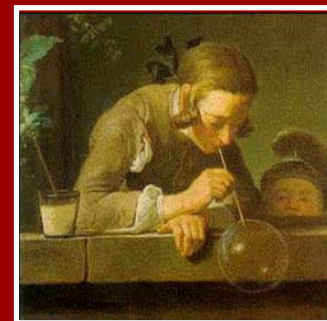
*Science, Ethics  
and Politics*



*Philosophy of Life  
Sciences*

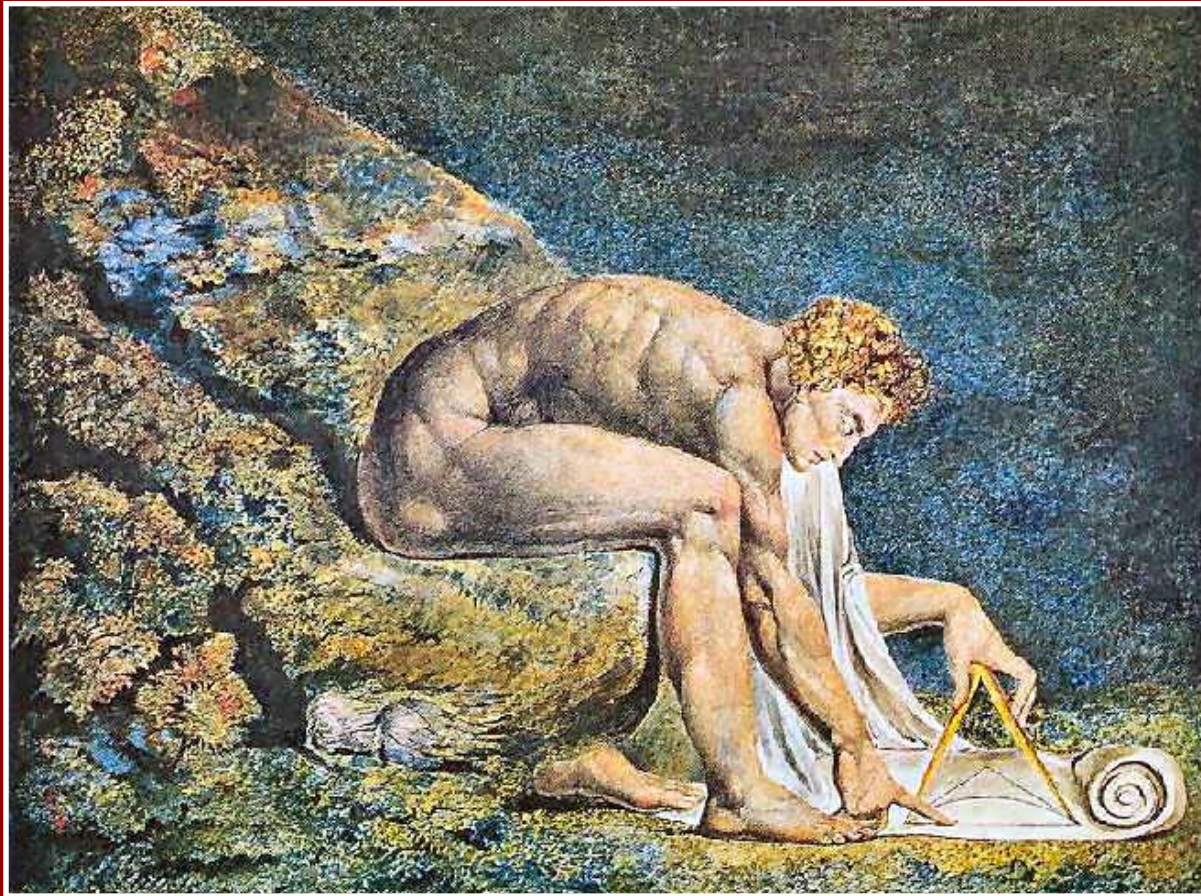


*Philosophy of  
Human Sciences*



*Science and Art*





## *Philosophy of Nature Sciences*



## BACKGROUND

- This line of research follows the scientific program initiated in Portugal by Professor **J. Andrade e Silva** collaborator of the great french physicist the **Nobel Prize Louis de Broglie**



Louis de Broglie

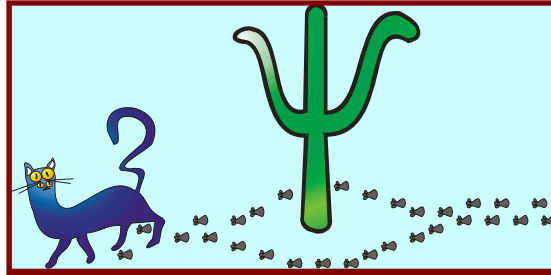


J. Andrade e Silva



# MAIN OBJECTIVES

This line of research was directed to the study of the **Philosophical Foundations of Quantum Physics**



## Our aims were

- to study the conceptual analysis of the different philosophical positions involved in the interpretations of quantum physics.
- to submit the philosophical foundations supporting quantum physics - according to Copenhagen's interpretation - to a new critic analysis
- and furthermore to develop a philosophical foundation and a formalization of the nonlinear quantum physics that is now emerging.

## In order to do so

- we have examined the connection of the mathematics with the reality and analyzed the epistemic implications of nonlinear quantum physics.



# MAIN OBJECTIVES

- The year of **2003** began with the international publication of the **book "Towards a Nonlinear Quantum Physics"** by José Croca. In this book, in the sequence of de Broglie proposal, a modern version of the nonlinear quantum physics was developed in its fundamentals.
- As an extension of this book, the nonlinear master equation was solved for the most significant cases. Also a whole range of new solutions are now under close study.
- **The main goal of this research is the unity of all physics in the light of the Principle of Eurhythmy.**
- **The philosophical and epistemological implications of this principle are being developed**

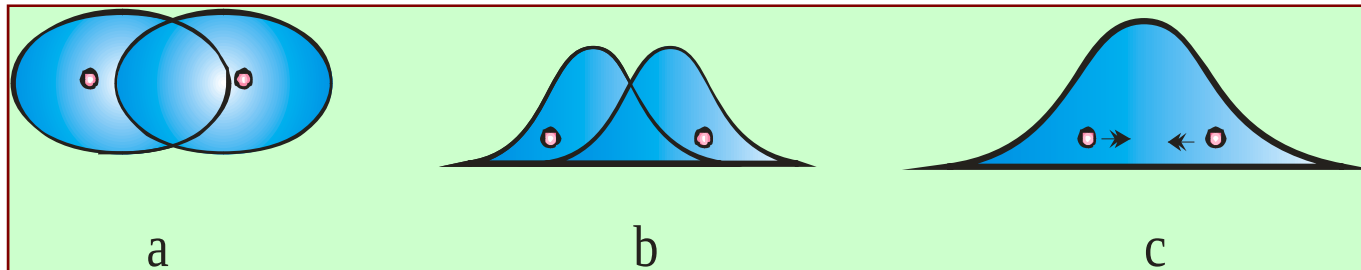


# MAIN OBJECTIVES

The principle of eurhythmmy is an extension of quantum de Broglie guiding principle.

The guiding principle describes the quantum nonlinear interaction between the corpuscle and the guiding wave.

The principle of eurhythmmy generalizes these ideas to all physics





# RESEARCH TEAM: 12

## PhD Members: 5

- José Croca (*head*)
- Mário Gatta
- Nuno Nabais
- Olga Pombo
- Rui Moreira

## Other PhD Members: 3

- Amaro Rica da Silva
- Gildo Magalhães
- Marcelo Dascal

## Non PhD Members: 4

- João Eduardo Araújo
- João Luis Cordovil
- Nalliely Hernández
- Gil da Costa Santos



# MAIN ACHIEVEMENTS

- Thesis
- Publications
- Organization of Conferences
- Teaching
- Internationalization





# MAIN ACHIEVEMENTS / THESIS

## PhD Thesis Completed: 1

- João Marto, "**Interferência Não-local de Trens de Ondas**", completed in 2004.

## PhD Thesis in Progress: 5

- João Luís Cordovil "**O que é uma Partícula Quântica? - Implicações Ontológicas e Epistemológicas do Conceito de Partícula Quântica nas Interpretações de Copenhaga e de De Broglie-Croca**", supervision Olga Pombo and José Croca (in progress).
- Gil Costa Santos, "**Teoria da persistência. Tempo e Substância.**", supervision M. Luísa Couto Soares (in progress)
- Maria G. Meireiles "**Informação, Metadata e Homogeneização das Séries Temporais da Temperatura no Arquipélago dos Açores**", supervision Mário Gatta (in progress)
- João Farias Araújo, "**Mecânica Quântica. Formulações e Confabulações em torno da Causalidade**" supervision Rui Moreira, José Croca and Amaro Rica (in preparation).
- Nalliely Hernandez "**O Princípio da Não-Complementaridade na perspectiva do Pragmatismo de Rorty**", supervision Juan Antonio Valor (in progress).

## Master Thesis completed: 2

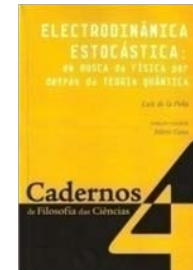
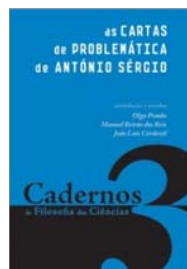
- Bruno Couto, "**Alguns Fenómenos Quânticos à Luz da Electrodinâmica Estocástica**", completed in 2007
- João Farias Araújo, "**As Cidades, os Castelos e a Onda: diálogos interdisciplinares em Calvino, Esher, e Bohr**", completed in 2008



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Books: 6

- Croca, J. R. (2003). ***Towards a Nonlinear Quantum Physics***. New Jersey / London / Singapore / HongKong: World Scientific.
- Pombo, O., Beirão, M. e Cordovil, J. L. (2006). ***As Cartas de Problemática de António Sérgio***. 3º Caderno de Filosofia das Ciências. Lisboa: Centro de Filosofia das Ciências da Universidade de Lisboa.
- Croca, J. R. e Moreira, R. (2007). ***Diálogos sobre Física Quântica. Dos Paradoxos à Não-Linearidade***. Lisboa: Esfera do Caos.
- Selleri, Franco (2004). ***Lições de Relatividade***, translated by Croca, J. R. and Moreira, R.
- Moreira, Rui ***O Princípio que moldou toda a Física do Século XX. O Princípio de Complementaridade de Niels Bohr***, Lisboa: CFCUL / Publidisa (in press)
- ***Electrodinâmica Estocástica: Em Busca da Física por Detrás da Teoria Quântica***, de Luís de La Pena (1998), Curso dado na XXXIª Escola Latino-Americana de Física, Julho-Agosto de 1998, México, tradução de Mário Gata, 4º Caderno de Filosofia das Ciências, Lisboa: CFCUL / Publidisa, 2007





# MAIN ACHIEVEMENTS / PUBLICATIONS

## Articles: 6

- José Croca (2004), De Broglie Tired Light Model and the Reality of the Quantum Waves, in Foundations of Physics, Vol. 34, Issue 12, pp. 19-29 (IF= 0.533 (2005)).
- Isabel Serra, com E. Maia e Nuno Peiriço (2005), "Ecos da Radioactividade em Portugal: determinação de radioactividade de águas minerais em Portugal na primeira metade do século XX", in Anais da Rede de Intercâmbios para a História e Epistemologia das Ciências Químicas e Biológicas, pp. 188-200, S. Paulo.
- Isabel Serra com Nuno Peiriço (2006), "Portuguese chemists and radioactive minerals", in Isabel malaquias, Ernst Homborg, M. Elvira Callapez (ed.) - Proceedings of the 5th International Conference on History of Chemistry: Chemistry, Technology and Society, Lisboa, Sociedade Portuguesa de Química, p. 653-660.
- Gildo Santos (2006), Remarks on a New Autograph Letter from Auguste Fresnel: Light Aberration and Wave Theory, Science in Context, Volume 19, Issue 02, Jun 2006, pp 295-307 (IF=0.357 (2005)).
- Mário Gatta (2007), "On the bound energies of the hydrogen atom with a more general uncertainty relation", in Annales de la Fondation Louis de Broglie, Maio de 2007 (submitted).
- 2007 - JR Croca, "Local Analysis By Wavelets Versus Nonlocal Fourier Analysis", *International Journal of Quantum Information*, Vol.5, Nos 1&2 (2007) 1-7



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Book chapters: 8

- Croca, J. R. (2003). *O Espaço e Tempo na Física Quântica* in A. P. de Sousa and T. Malafaia (eds.), *Diálogos Disciplinares: As Ciências e as Artes na Viragem do Milénio*, Lisboa: IST Press.
- Croca, J. R. (2004). *A Razão na Física Quântica* in Eduardo Chitas e Adriana Veríssimo Serrão (coord.), *Razão e Espírito Científico*, Lisboa: Edições Duarte Reis, pp. 129-152.
- Moreira, R. (2004). *Ciência e Irrracionalidade*, in Eduardo Chitas e Adriana V. Serrão (org.), *Razão e Espírito Científico*, Lisboa: Edições Duarte Reis, pp. 75-128.
- Moreira, R. (2004). *A Revolução Científica do Século XVII*, in Eduardo Chitas e Adriana V. Serrão (org.), *Razão e Espírito Científico*, Lisboa: Edições Duarte Reis, pp.63-74.
- Cordovil, J. L. (2006), As 'nuvens negras' da Física Quântica à luz de António Sérgio, in J. L. Cordovil, M. Beirão e O. Pombo, *As Cartas de Problemática de António Sérgio*, 3º Caderno de Filosofia das Ciências, pp. 171-189.
- Cordovil, João (2006), "Are the Two Major Conceptual Moments of the (Orthodox) Quantum Mechanics Moments of Abduction?", in O. Pombo et A. Gerner (ed), *Abduction and the Process of Scientific Discovery*, Lisboa: Publidisa/CFCUL.
- Croca, J. R. (2007). *The principle of eurhythmy a key to the unity of physics*. Kluwer, in print.
- Moreira, R. (2007). *The XXth Century Physics and the Unity of Science*, in Olga Pombo et al (eds.), *Unity of Science. Non-Traditional Approaches* Springer / Kluwer (in press).



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Workshops: 6

- **Workshop Sobre o Indeterminismo** (09/03/2005), Science Museum of Lisbon, Lisbon
- **Dois Filósofos da Ciência. Franco Selleri e Daniel Andler** - coordinated by Olga Pombo e José Croca, FCUL, (08 e 09 /06/2005)
- **Ciência e Filosofia entre Rómulo de Carvalho e António Gedeão** workshop integrated at the National Day of Scientific Culture, promoted by the Agência Nacional para a Cultura Científica e Tecnológica - Ciência Viva, FCUL, (24/11/2006)
- **Giordano Bruno morreu na fogueira em Fevereiro de 1600** , FCUL, (14/02/2007)
- **Workshop - Os últimos dias de Giordano Bruno**, coordinated by Rui Moreira, in collaboration with the Teatro da Escola Politécnica and with Cátedra "A Razão", Teatro da Politécnica, (19/02/2008)
- **Workshop - Sobre Galileu**, coordinated by Rui Moreira, in collaboration with the Teatro da Escola Politécnica and the Cátedra "A Razão", Teatro da Escola Politécnica, (18/04/2008)



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Permanent Seminar of Philosophy of Sciences: 4

- **“Problemas Filosóficos do Paradoxo EPR”**, conference given by Prof. Augusto Garuccio (University of Bari, Itália) (2/1/2004), Faculdade de Ciências da Universidade de Lisboa (FCUL)
- **“Entropia. Da Máquina a Vapor ao ADN”**, conference given by Prof. Sousa Ramos (Instituto Superior Técnico, IST) (03/11/2004), Faculdade de Ciências da Universidade de Lisboa
- **“Complementaridade. Da Psicologia à Física através da Filosofia”**, conference given by Prof. Rui Moreira (FCUL) (23/2/2005), Faculdade de Ciências da Universidade de Lisboa
- **“The Computing Universe”**, conference given by Prof. José Félix Costa (Instituto Superior Técnico), at FCUL (8/3/2006)



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Gymnasium: 4

- **“O que é um objecto?”**, talk presented by João Luís Cordovil (18/1/2006) FCUL
- **“Por que é que o Objecto Quântico não é um Objecto de Conhecimento em Kant?”**, talk presented by João Luís Cordovil (21/2/2007) FCUL
- **“El principio de complementaridad en la perspectiva del pragmatismo de Richard Rorty”**, talk presented by Nalliely Hernández (24/5/2007) FCUL
- **“Newton e Leibniz: Tempo e Teologia Natural”**, by William de Siqueira Piauí (Univ. de S. Paulo e Univ. Federal de Sergipe, Brasil), FCUL





# MAIN ACHIEVEMENTS / TEACHING

## Courses given at graduate or post-graduate level: 4

- Rui Moreira, "**Epistemologia e Filosofia das Ciências**", course of the Master in "História e Filosofia da Ciência" Faculdade de Ciências, Universidade de Lisboa, May-June 2004 (20 h)
- JR Croca, "**Fundamentos de Mecânica Quântica**", Faculdade de Ciências da Universidade de Lisboa, 2006 (20 h)
- Gildo Magalhães (Universidade Estadual de S. Paulo, Brasil), "**As Ciências e a Filosofia da Natureza no Romantismo**", FCUL, June 2006 (4h)
- **Curso de Onduletas / Wavelets analysis**, by Amaro Rica da Silva, FCUL, 2008 (15h)



# MAIN ACHIEVEMENTS / INTERNATIONALIZATION

## Research with the University of Bari, Italy

- **Prof. Garuccio** was invited to come to Lisbon/CFCUL in **2003**.
- **Prof. Selleri** came to Lisbon, as **scientific consultant** of the CFCUL, in 2005.

**an experimental methodology was developed** to solve the so called “Poincaré’s curse”, that is, the impossibility of measuring the one-way velocity of light. This difficulty is related with the problem of two clock calibration in relativity. It was shown that it is possible to measure the one-way velocity of light with one single clock. In this way the problem of two clock calibration procedure is avoided.

## Collaborative Publication with University of Bari

### Books

- Selleri, Franco (2004) "Lições de Relatividade", translated by Croca, J.R. and Moreira, R. (2005)

### Articles

- Croca, JR and Selleri, Franco, “Experimental Proposal for Determination of One-Way Velocity of Light with One Single Clock” to be published in Foundations of Physics, Kluwer

## Visiting Undergraduate Student from University of Bari

- Andrea Andrisani worked at the CFCUL from January to August 2005.



# MAIN ACHIEVEMENTS / INTERNATIONALIZATION

## Research with University of S. Paulo, Brasil

- **Prof. Gildo Magalhães** came to Lisbon/CFCUL in 2006

A new fundamental principle - **the Principle of Eurhythmy** - was developed [see the book - "The principle of eurhythmy, a key to the unity of physics", Springer/Kluwer, in print]

- **Collaborative Publication with University of São Paulo**

Croca, JR and Magalhães, Gildo, "The principle of eurhythmy a key to the unity of physics", Foundations of Physics, Kluwer (in print)

## Research with the University of Tel-Aviv, Israel

- **Prof. Marcelo Dascal** was – as a Gulbenkian Professor - at the FCUL in **2004**

In result of this collaboration **a new epistemic approach to quantum physics** has been developed



## ONGOING AND FUTURE RESEARCH

We intend to continue the Development of the Mathematical apparatus of Causal Nonlinear Quantum Physics

$$-\frac{\hbar^2}{2m} \frac{\partial^2 \psi}{\partial x^2} + \frac{\hbar^2}{2m} \frac{1}{(\psi\psi^*)^{1/2}} \frac{\partial^2 (\psi\psi^*)^{1/2}}{\partial x^2} \psi + V\psi = i\hbar \frac{\partial \psi}{\partial t}$$

In particular, we aim:

- To proceed the study of the properties of the already found solutions of the nonlinear master equation and the new ones, namely in the non stationary case.
- To publish, in this period, a full work on the mathematical foundations of the nonlinear quantum physics, on the form of a book or in a series of articles.



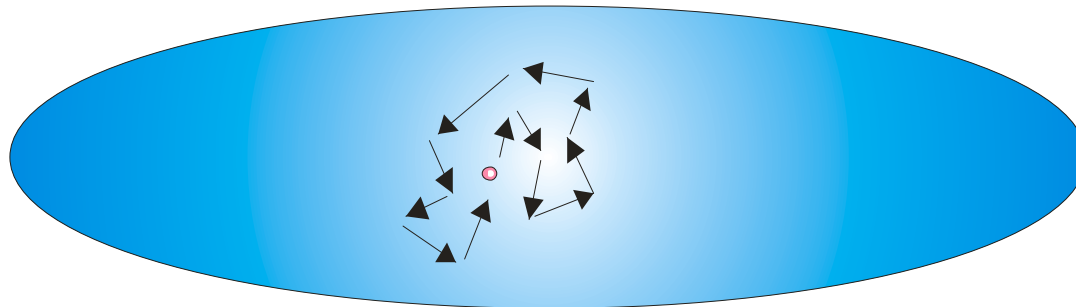
# ONGOING AND FUTURE RESEARCH

## Other main topic of our research is Unity of Physics

The aim of this line of research is to continue the work in the unification of physics.

In order to do that, we intend:

- to develop formally the unity of physics by using the principle of eurhythmy to nonlinear systems, chaos and stochastic processes, stochastic equations and theory of probability
- to develop a Gravitational attraction law in the light of the principle of eurhythmy
- to develop a Coulomb law in the light of the principle of eurhythmy
- to derivate the Maxwell equations as a natural consequence of the principle of eurhythmy





## ONGOING AND FUTURE RESEARCH

**We also intend :**

- to study the philosophical implications of Fourier and wavelets analysis
- to study the philosophical consequences of the principle of eurhythmy
- to study the implications for the unity of science of the principle of eurhythmy



## ONGOING AND FUTURE RESEARCH

**Another of our aims is the development of the Philosophical Implications of the Nonlinear Causal Quantum Physics**

**Therefore, we aim to study:**

- The concept of particle in the indeterminist linear quantum physics and in the modern causal nonlinear quantum physics.
- The concepts of causality and indeterminism, trajectory, localization and non-localization temporality and non-temporality in the light of the nonlinear theory.
- The philosophical implications of pragmatic approach to the Niels Bohr complementarity principle.







## ONGOING AND FUTURE RESEARCH

- We plan to apply for **two patents** related with our research.



All this research is done in the context of the  
**FCT project Philosophical Problems of Quantum  
Physics** (PTDC/FIL/66598/2006)

rate excellent: 47.500 euros

head – José Croca



# **FUTURE ACTIVITIES**

- **Publications**
- **Organization of conferences**



# FUTURE ACTIVITIES / PUBLICATIONS

## ■ We intend to publish 8-12 articles. Already in press: 3

- Croca, José com Selleri, F., *Experimental Proposal for Determination of One-Way Velocity of Light with One Single Clock*, in Foundations of Physics, Kluwer
- Croca, J com Magalhães, Gildo , *The principle of eurhythmmy a key to the unity of physics*, Foudations of Physics, Kluwer
- Moreira, R. *O que é uma teoria física?*, Jornadas Ibéricas III (in print).
- Araújo, J., Cordovil, JL, Croca, JR and Moreira, R, A Causal and Local Way to Interpret the Experimental Realization of Wheeler's Delayed-choice Gedanken Experiment, (to be published)
- Araújo, J., Cordovil, JL, Croca, JR, Moreira, R, and Rica da Silva, A, An experiment to test to decide between nonlocal orthodox quantum mechanics and causal quantum physics, (to be published)
- Croca, JR, The tunneling effect and some implications, (to be published)
- Croca, JR, Gravitation and the principle of eurhythmmy, (in preparation)

## ■ We also intend to publish 3-6 books. Already in press: 2

- O Princípio que moldou a Física no século XX: O Princípio da Complementaridade, by Moreira, Rui.
- Lavoisier no Ano Um. O Nascimento de uma Nova Ciência numa Época de Revolução de M.S. Bell, trad. de Gonçalves-Maia, Lisboa: Gradiva, Lisboa (in press).



# FUTURE ACTIVITIES / ORGANIZATION OF CONFERENCES

## We intend to organize 3 training courses:

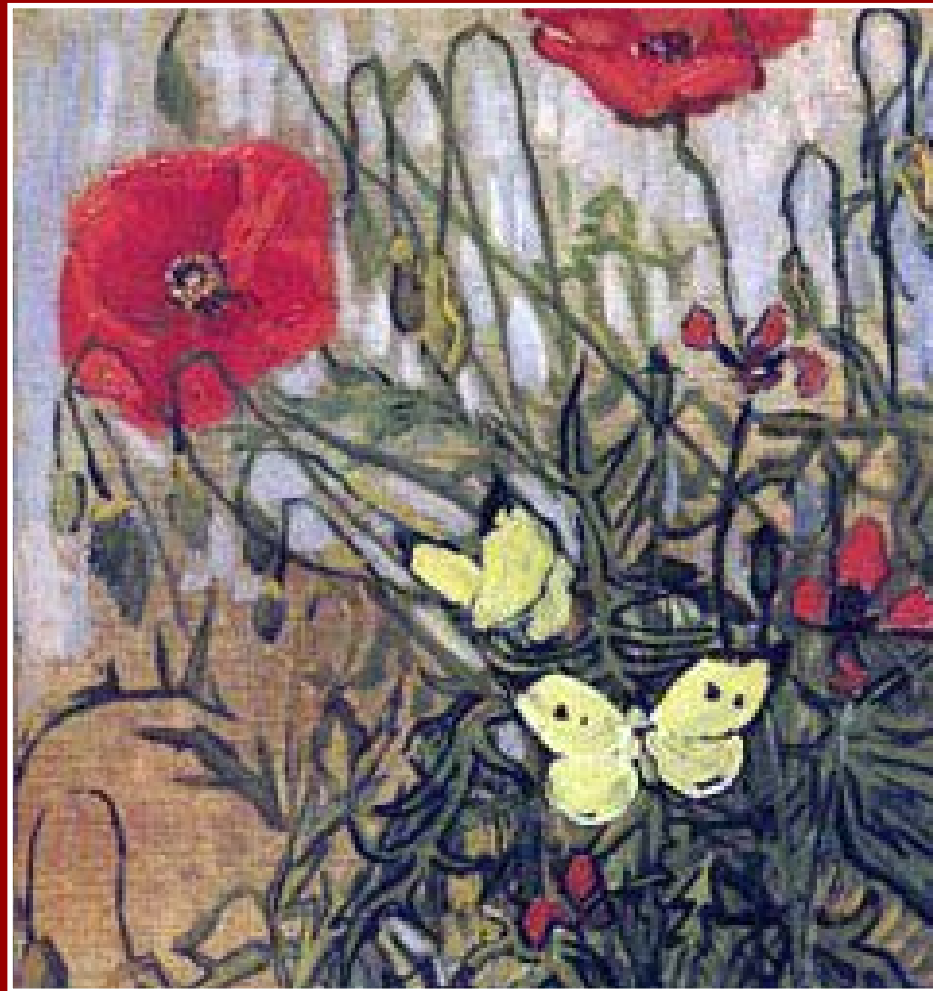
- on "Foundations of quantum mechanics" - 2009 (Prof. Croca)
- on "Philosophy for Physicists" - 2008-2010 (Prof. Olga Pombo and Prof. Nuno Nabais)
- on "Physics for Philosophers" - 2008-2010 (Prof. Rui Moreira and Prof. Croca)

## We will also organize several workshops. Already foreseen:

- on the concept of "Quantum Object" in 2009
- on the concept of "Scientific Theory" in 2010

## And, in what concerns disseminations, we have already planned:

- to continue the conference/workshop series entitled "**Great Physicists**" (Kepler, Newton, De Broglie)
- to organize one international meeting on Foundations of quantum physics per year.



## ***Philosophy of Life Sciences***



## BACKGROUND

### The first steps of this RG were given around

- a previous FCT project on **History of Madness in Portugal** coordinated by Nuno Nabais.
- the work developed by A. Barbosa and Martins Vale on **Bioethics** at the Lisbon Faculty of Medicine.
- A significant number of CFCUL members with medical background interested in **Philosophy of Medicine and Health** .

### In parallel,

- as a consequence of the work done by J. M. Torres (an international expert in Philosophy of Biology), another internal Project was developed: **Philosophy of Biology and Life**.
- a growing team of Biologists (F. Carrapiço, A. Levy, H. Abreu) has been developing research around the study of **Evolutionism and Evolutionary Theories**.



# RESEARCH TEAM: 12

## PhD Members: 4

- António Barbosa (*head*)
- António Bracinha Vieira
- Isabel Serra
- Nuno Nabais

## Other PhD researchers: 3

- André Levy
- Francisco Carrapiço
- Juan Manuel Torres

## Non-PhD Members: 5

- António Barros Veloso
- Dinora Xavier
- João Sampaio
- Marco Pina
- Maria Helena Abreu





# MAIN ACHIEVEMENTS

- **Thesis**
- **Publications**
- **Organization of conferences**
- **Teaching**
- **Internationalization**



# MAIN ACHIEVEMENTS / THESIS

## PhD thesis concluded: 1

- Filipe Tereno, *Donner la vie. Prolégomènes à une Philosophie Phénoménologique de la Vie*. Univ. Paris IV, Sorbonne, (7/08/2006)

## PhD thesis ongoing: 3

- Cristina Fabião, *Correlações psicossociais da somatização*.
- Teresa Alexandre Andrade, *Um presente embrulhado em dor: o contacto com a morte nos profissionais de saúde*.
- Marina Vale, *Da imagiologia fetal a uma fenomenologia da gestão. Contributo da filosofia para a Bioética em Medicina Fetal*.

## Master thesis completed: 9

- Maria Helena Duarte Abreu, *A Teoria de Oparin sobre a Origem da Vida na perspectiva da História e da Filosofia das Ciências. Um contributo para o Ensino da Biologia* (14.07.2003)
- Paula A. Carvalhana Santos Hipólito Godinho, *A comunicação de diagnóstico em Psiquiatria um problema ético* (22.11.2004)
- Olívia Rego Tavares de Oliveira Gomes, *Ética da gestão de recursos em geriatria* (4.10.2005)
- Sandra Manuela F. Heleno Serrano, *Atitudes dos profissionais de saúde perante a problemática ética do fim da vida* (23.11.2005)
- Paulo Emanuel Pereira Lopes, *Atitudes éticas dos enfermeiros perante o doente em fase terminal* (28.11.2005)
- Cristina Maria Rato Ferreira Palmeira, *Acompanhar no fim de vida: a futilidade terapêutica* (14.07.2006)
- Alexandre Miguel Marques Júlio, *Filosofia da Esperança* (6.12.2006)
- Ana Isabel Mira Caeiro, *A bioética no Ensino da Medicina Dentária* (8.2.2007)
- Sílvia Maria Alves Caldeira Berenguer, *A espiritualidade no cuidar: um imperativo ético* (15.01.2008)

## Master thesis in progress: 3

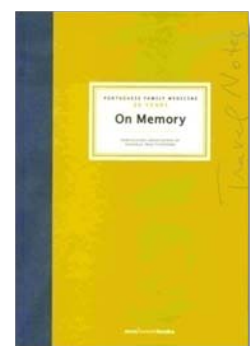
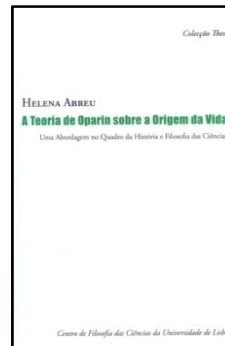
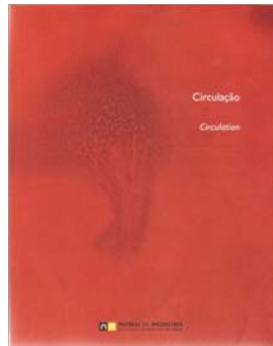
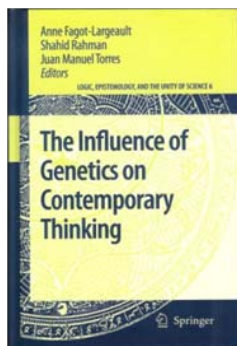
- Dinora Xavier, *Reflexões sobre o conceito de prova no contexto da "Evidence based Veterinerian Medicine"*
- Alzira M. da R. G. Viegas, *A bioética entre as convicções do doente e o avanço científico, na área da medicina transfusional*
- Mónica S. Alves, *Estudo da possível relação entre a presença de neurolépticos no sangue com causas de morte* (in preparation)



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Books: 6

- Alves, M. Valente com Ramos, V. (eds) (2003), MGF - *Da Memória*, (edições em português e inglês), Lisboa: APMCG
- Alves, M. Valente com Ramos, V. (eds) (2004), MGF - *Da Vontade*, (edições em português e inglês), Lisboa: APMCG
- Alves, M. Valente com M, Brito de Sá A (editores) (2005), *Imagens Médicas - Novas Geografias do Discurso*, APMCG, Lisboa.
- Alves, M.Valente com Perdigão C. (2006), Carlos Ribeiro - *A Vida Modo de Conhecer*, (editores), Sociedade Portuguesa de Cardiologia, Lisboa.
- Abreu, H. (2007), *A Teoria de Oparin sobre a Origem da Vida. Uma abordagem no quadro da História e Filosofia das Ciências*, Lisboa: CFCUL / Publidisa, 328 pp. (colecção Thesis)
- Torres, J. Manuel (2007), *The Influence of Genetics on Contemporary Thinking*, SPRINGER, co-edited with Anne Fagot-Largeault and S. Rahman. 2007. ISBN 978-1-4020-5663-5.





# MAIN ACHIEVEMENTS / PUBLICATIONS

## Articles: 20

- António Barbosa (2003), "Pensar o morrer nos cuidados de saúde", in *Análise Social*, Volume XXXVIII (166).
- Juan Manuel Torres, (2003), La evolución de la medicina y el proceso social de genetización, in *DIÁLOGO POLÍTICO* (revista publicada pela Fundación Konrad Adenauer).1, 81-99.
- António Barbosa com Telles-Correia e Braz-Nogueira (2003), A. Psycosomathic characteristics in hypertensive patients, in *AJH Maio 2003–VOL. 16, NO. 5, PART 2. 76A.*
- António Barbosa (2003), Características Psicossomáticas dos Doentes Hipertensos, in *RFML; Série III; 8 (5): 281-288.*
- Fernando Vale (2004), Preoperative antiemetics. Electronic Publication 30 Julh 2004. *BMJ-RAPID RESPONSES:*
- Fernando Vale (2004), Interações em Analgesia e Anestesia, in *Revista do Interno, Hospital Santa Maria, Vol 15: 75-83.*
- Fernando Vale (2004), Metamorfose da dor aguda em crónica. Homeostasia da dor, in *Revista Dor, 2004, vol 12: 29-36.*
- Juan Manuel Torres, (2004), Evolución versus Religión: una polémica siempre actual, in *La Nueva Provincia, 4 de junio de 2004.*
- Manuel Valente Alves (2004), Networks: Cities, the Body and Family Medicine, in Valente Alves M, Ramos V (editors), *PFM – On Will, APMCG, Lisboa, pp. 125-173.*
- Manuel Valente Alves (2004), Projecto: O Museu de Medicina da Faculdade de Medicina de Lisboa, in Valente Alves M, Barbosa A (editores), *Circulação, Museu de Medicina da FMUL, Lisboa, pp. 14-19.*
- Manuel Valente Alves (2005), Introdução: Imagens Médicas – Novas Geografias do Discurso, in Valente Alves M, Brito de Sá A (editores), *Imagens Médicas – Novas Geografias do 14 Discurso, APMCG, Lisboa, pp. 15-19.*
- Manuel Valente Alves (2005), Processos de inclusão de ideias, factos, modos de conhecimento, in Valente Alves M (editor), *Passagens, Museu de Medicina da FMUL/ Museu Nacional de Arte Antiga, Lisboa, pp. 191-193.*
- Juan Manuel Torres (2005), Genetic Tools, Kuhnean Theoretical shift and Geneticization Process in *The Journal of Medicine, Health Care and Philosophy*, Kluwer: Springer Publishers, pp. 1-10.
- Juan Manuel Torres, (2005), Genética y ciencia: una perspectiva diferente, in *Congreso sobre Persona y Sociedad, Universidade Católica Portuguesa, Braga.*
- Juan Manuel Torres (2006), Genetic Tools, Kuhnean Theoretical shift and Geneticization Process in *The Journal of Medicine, Health Care and Philosophy*, Kluwer: Springer Publishers, 9: 3-12.
- Isabel Serra. (2006), Egas Moniz e a Investigação Científica (with Elisa Maia), in *Estudos sobre a Ciência em Homenagem a Ruy E. Pinto, Vol III Opuscula Officinara, Coord. J.P. Sousa Dias, Shaker Verlag, IRC.*
- Juan Manuel Torres (2007), Genetics and Society: a different view, in *THE INFLUENCE OF GENETICS ON CONTEMPORARY THINKING, SPRINGER, ISBN 978-1-4020-5663-5, Torres, J. M. Fagot-Largeault and S. Rahman (eds.).*
- Juan Manuel Torres (2007), Terapia cognitiva y la práctica filosófica de Lou Marinoff, in *AVANCES EN INVESTIGACIÓN EN CIENCIAS DEL COMPORTAMIENTO EN ARGENTINA, Universidad del Aconcagua Editorial, ISBN 978-987-23232-5-7p.: 1123-1131.*
- Juan Manuel Torres (2007), Terapia génica: ¿realidad o sólo un sueño de pipa?, in *LUDUS VITALIS, A JOURNAL OF LIFE SCIENCES, ISSN 1133-5165, p.: 181-192.*
- Juan Manuel Torres (2008), Teorias da evolução e doutrina do desenho inteligente, in *Colecção Evolução, Universidade de Lisboa. (no prelo).*



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Book chapters: 18

- António Barbosa com José Sobral Cid (2004), "Contaminação Humanística da Medicina e Trajectos Contemporâneos da Psiquiatria", in M.Valente Alves, A. Barbosa (Eds), Circulação, Lisboa, Faculdade de Medicina de Lisboa, 220-233.
- Juan Manuel Torres (2004), "The puzzling role of the philosophy in life sciences", in LOGIC, EPISTEMOLOGY AND THE UNITY OF SCIENCE, Rahman, S., Symons, J., Gabbay D. and van Bendegem (eds.) KLUWER ACADEMIC PUBLISHERS. 211-226.
- Juan Manuel Torres (2004), "Popper, Kuhn y la Teoría de la Salud", in Congreso Karl Popper, Universidad Nacional de Rosario.
- Juan Manuel Torres. (2005), "Introduction", in: Anne Fagot Largot, Shahid Rahman e Juan Manuel Torres (edr.) The Influence of Genetics on the Contemporary Thinking, Kluwer: Springer Publishers.
- Juan Manuel Torres (2005), "Genetic and Society: A Different View", in Anne Fagot Largot, Shahid Rahman e Juan Manuel Torres (edr.) The Influence of Genetics on the Contemporary Thinking, Kluwer: Springer Publishers.
- Juan Manuel Torres (2005), "Un análisis kuhniano del cambio en teoría de la salud", in Selección de Trabajos de las XV Jornadas de Epistemología e Historia de la Ciencia, Córdoba.
- António Bracinha Vieira (2005), "Modelos evolutivos e ideologia: o caso Teilhard de Chardin", in Teilhard de Chardin. Evolução e Esperança. Antropologia e Filosofia (Universidade Nova de Lisboa), Dez., pp. 13-28.
- Fernando Vale (2005), "Hormonas Sexuais" (Capítulo 53), in Terapêutica Medicamentosa e Suas Bases Farmacológicas. 4ª edição, S, Guimarães e W. Osswald. Porto Editora (No Prelo)
- Nuno Nabais (2005), Loucura e Desrazão: Apresentação, in Conceito. Revista de Filosofia e Ciências do Homem, n.º 1, pp.13-16.
- António Barbosa com I. Galriça Neto (Eds) (2006), Manual de Cuidados Paliativos, Lisboa, Fundação Calouste Gulbenkian.
- António Barbosa com A. Bernardo e F. Leal (2006), Ansiedade, in A. Barbosa, I. Galriça Neto, (Eds), Manual de Cuidados Paliativos, Lisboa, Faculdade de Medicina de Lisboa/Centro de Bioética/Núcleo de Cuidados Paliativos, 231-239
- António Barbosa (2006), Medicina Baseada na Relação, in M. Valente Alves, R. Ferreira, C. Perdigão (Eds), Carlos Ribeiro: A Vida Modo de Conhecer, Lisboa, 140-145.
- Francisco Carrapiço. (2006), The origins of life and the mechanisms of biological evolution. SPIE Astrobiology Conference Instruments, Methods, and Missions for Astrobiology IX, San Diego, 13-17-August. (Proceedings of SPIE, 6309: 630900-1 - 630900-5 ) (ISBN 0-8194-5911-9).
- Francisco Carrapiço (2006), Is the Azolla-Anabaena symbiosis a co-evolution case?, in book of the International Conference General Botany: Traditions and Perspectives, dedicated to 200th anniversary of the Kazan Botanical School, January 23-27, part I. Kazan, p. 193-195 (Edited by Andrew Sitnykov and published by the Kazan University, Russia).
- Juan Manuel Torres (2006), Análisis de las teorías de la salud basado en lógica difusa, en colaboración con H. Hamrun, in Selección de Trabajos de las XVI Jornadas de Epistemología e Historia de la Ciencia. Córdoba 2006.
- Juan Manuel Torres (2006), Revoluciones científicas, medicina y teoría de la salud, in Selección de Trabajos de XXX Congreso Internacional Interdisciplinario de de Filosofía, Córdoba, Argentina, 27-30 de Noviembre de 2006.
- Juan Manuel Torres (2007), Genetics and Society: a different view in THE INFLUENCE OF GENETICS ON CONTEMPORARY THINKING, SPRINGER, ISBN 978-1-4020-5663-5, Torres, J. M. and Fagot-Largeault, A. (eds.), 2007.
- Juan Manuel Torres (2007), Terapia cognitiva y la práctica filosófica de Lou Marinoff, in AVANCES EN INVESTIGACIÓN EN CIENCIAS DEL COMPORTAMIENTO EN ARGENTINA, Universidad del Aconcagua Editorial, ISBN 978-987-23232-5-7p.: 1123-1131.



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Online publications: 10

- António Barros Veloso - A Investigação como Dimensão Constitutiva da Medicina Contemporânea
- António Barros Veloso - Das Ervilheiras de Mendel à Dupla Hélice de Watson e Crick
- António Barros Veloso -Descobertas simultâneas na Medicina do século XX: 1ª parte Leis de Mendel, insulina e ADN
- António Barros Veloso -Descobertas simultâneas na Medicina do século XX: 2ª parte Penicilina e sulfamidas
- António Barros Veloso -Descobertas simultâneas na Medicina do século XX: 3ª parte Tuberculostáticos
- António Barros Veloso - O novo Hospital de Todos os Santos (texto da palestra proferida na cerimónia de assinatura de protocolo entre a CML e o Ministério da Saúde)
- António Barros Veloso - Acerca da "Medicina Baseada na Evidência"
- António Barros Veloso - O novo Hospital de Todos os Santos, Palestra proferida na cerimónia de assinatura de protocolo entre a CML e o Ministério da Saúde)
- Gildo Magalhães - Darwin: Herói ou Fraude?
- Helena Abreu - O Ensino da Evolução no Presente. Uma Análise Crítica



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Organization of National Conferences: 3

- ***Ainda não Doente - Contributos Multidisciplinares para uma Filosofia da Saúde*** - in collaboration with the Instituto de Ciências Sociais da Universidade de Lisboa, Centro de Bioética da Faculdade de Medicina da Universidade de Lisboa, Centro de Estudos de Filosofia da Medicina-IOP/FG, Centro de Filosofia da Universidade de Lisboa e Fundação Calouste Gulbenkian, Lisbon, Anfiteatro do Instituto de Ciências Sociais, Lisbon, 10. 3. 2004.
- ***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
- ***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

## Permanent Seminar of Philosophy of Science: 6

- ***A Fraude de Piltdown. Migração e Contaminações Ideológicas de Modelos***, Bracinha Vieira (Universidade Nova de Lisboa, UNL, Portugal), 16.03.2005 (18h), FCUL, Lisbon.
- ***Ciências da Vida e Ciências Humanas: A Questão do Reduccionismo***, José Luís Garcia (Instituto de Ciências Sociais, ICS, Portugal), 31. 05. 2005 (18h), FCUL, Lisbon.
- ***Modelos Y Teorias en Biología Evolutiva***, Juan Manuel Torres (Univ. Bahia Blanca, Argentina, CFCUL - Portugal), 19.04.2006, 18 h, FCUL, Lisbon.
- ***Evidence-Based Medicine: A Reading of the Original Textbook***, Rasmus Tore Slaattelid ( Univ. Bergen, Norway), 10.05.2007, 18h, FCUL, Lisbon.
- ***Marx morto, Darwin posto - Considerações sobre o Paradigma Darwiniano*** - by Onésimo Teotónio de Almeida (Departamento de Estudos Portugueses e Brasileiros da Brown University, EUA ) (7. 11.2007)
- ***Evolución y Diseño Inteligente***, by Juan Manuel Torres (Argentina), FCUL (4. 03.2008)



# MAIN ACHIEVEMENTS / TEACHING

## Some members of this RG teach at 7 Master and Doctoral Programs

### Master on Bioethics Lisbon Faculty of Medicine - coordination : Antonio Barbosa (since 2006)

- lecturing by António Barbosa (2003-2007) – 45h
- lecturing by Martins Vale (2003-2007) – 45h
- Collaboration of Nuno Nabais (2003- 2007) - 24h

### Master on Palliative Care Lisbon Faculty of Medicine (Antonio Barbosa)

- Module Comunicação e Aspectos Psicológicos, 2007, 5h
- Module Processo de Luto: Apoio Familiar e Profissional, 2007, 12h
- Module Educação e Formação em Cuidados Paliativos, 2007, 4h

**Master on Psicogerontology** Lisbon Faculty of Medicine (Antonio Barbosa) : 2004-present.

**Master on Sciences of the Pain** Lisbon Faculty of Medicine (Antonio Barbosa) : 2005-present; current coordinator.

**Master on Sexology** Lisbon Faculty of Medicine (Antonio Barbosa) : 2004-present.

### Master Evolution and Origin of Life Univ. Minho (Portugal)

- lecturing by Raquel Gonçalves: História das Ideias, Filosofia das Ciências e Temas Interdisciplinares (2003-06)
- lecturing by J. Manuel Torres: Filosofia de Biologia (20h) (2004-06)

### Master History and Philosophy of Science FCUL, Lisbon

- lecturing by J. Manuel Torres: Análisis sobre biotecnología, ética y sociedad -8h

**Free Course on Relational Ethics** Lisbon Faculty of Medicine (Antonio Barbosa), Coordinator since 2003





# MAIN ACHIEVEMENTS / INTERNATIONALIZATION

## International Project: 1

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

## Foreign visiting fellows: 3

- 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)
- Prof. Juan Manuel Torres (Univ. Nacional del Sur, Argentina) - Post-Doc at the CFCUL, 2004-2005, 2005-2006
- Prof. Rasmus Tore Slaattelid (Univ. Bergen, Norway) - Sabatic period in Lisbon foreseen for 2008-2009



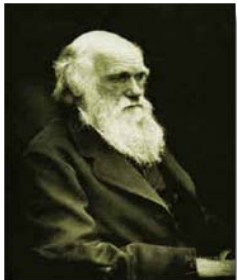
# ONGOING AND FUTURE RESEARCH



- **Epistemology of Medicine**



- **Bioethics**



- **Evolutionism and Evolution Theories**



# ONGOING AND FUTURE RESEARCH

## Epistemology of Medicine

- Antonio Barbosa will give special attention to the **epistemological status of the communicative relation between patient and physician.**
- **A. Barbosa also intends to introduce a new subject, "Relational Ethics",** at the Medicine graduation (FML, Univ. Lisbon), where he teaches
- Nuno Nabais, João Sampaio and Barros Veloso will work out on the so called **Evidence Based Medicine**, confronting it with the phenomenological concept of Evidence in medical diagnosis.
- Nuno Nabais will give special attention to the **evidential experience of non-actual realities** in medical knowledge (protensions, probabilities, possibilities, risks, etc.).
- Barros Veloso (in collaboration with A. Barbosa) intends to do research on the **scientific relevance of the Lisbon School of Medicine in the 30ties and 40ties** in Portugal.
- Antonio Barbosa will work on the **morbidity of the oncological patient** (Psychiatry Service/Hospital de Santa Maria, Lisbon) as a way of understanding patient 's experiences of their own illness in their search for a different meaning of life and death.
- António Barbosa is also leading a research team at his Psychiatry Service, which studies **New criteria to quality studies in consultation-liaison psychiatry**



# ONGOING AND FUTURE RESEARCH

## Bioethics

A. Barbosa (with the collaboration of Nuno Nabais) will continue the research on Bioethics which is being done at the **Master on Bioethics at the Faculty of Medicine** (coordinator: Prof. Barbosa).

A. Barbosa is also studying, on his own:

- **the correlation cost/benefits in the psychiatric liaison activity** at all the Lisbon University St. Mary's Hospital's services. This research is grounded on the re-elaboration of the "Justice" principle, where the efficacy indicators contemplate the principles of a relational ethics.
- **the problem of Data Confidentiality**, Bioethics Centre/Lisbon Fac. Medicine
- the tracking of clinical files throughout the wards and hospital clinics, in order **to detect and understand the possible factors contributing to confidentiality leaks**. This envisages: 1. to protect the patients confidentiality, 2. to avoid the appropriation of relevant information by external agents.

## Evolutionism and Evolution Theories

F. Carrapiço, H. Abreu, A. Levy and M. Pina are trying to do an update on the **epistemological and theoretical discussion concerning evolutionism**. This research - **with a strong outreach impact** - is connected with two issues:

- *the 200<sup>th</sup> anniversary of Charles Darwin's birth in 2009*
- *the need of counterbalancing the rising influence of Creationism in the USA, European and Portuguese context*



## **FUTURE ACTIVITIES**

- **Organization of conferences**
- **Publications**



# FUTURE ACTIVITIES / ORGANIZATION OF CONFERENCES

## Organization of Colloquia: 2

- National Colloquium on "Philosophy of Medical Knowledge" to take place at the Geography Society of Lisbon, 2008
- International congress on "Ethics, Communication and Epistemology of Medicine", 2009

## Organization of Workshops: 3

- Workshop on "Bioethics and Biopolitics", 2008 (organized by Profs. Antonio Barbosa and Nuno Nabais)
- Workshop on "Bioethics and Epistemology", 2009 (organized by Profs. Antonio Barbosa and Nuno Nabais)
- International Workshop "150 Years of Charles Darwin's *Origin of Species*", 2009



# FUTURE ACTIVITIES / PUBLICATIONS

## Books: 5

- António Barbosa - "**Relational Ethics**" (commercial edition)
- António Barros Veloso – "**Medicina e outras coisas**" (in press)
- Antonio Barros Veloso - "**Lisbon School of Medicine in the 30ties and 40ties in Portugal**" (commercial edition)
- Proceedings of the colloquium - "**Ethics, Communication and Epistemology of Medicine**"
- Proceedings of the colloquium - "**Philosophy of Medical Knowledge**"

## Series of 4 books "**Evolutionism— Foundations and Challenges**" (commercial edition)



- Abreu, H., Carrapiço, F., Levy, A., Pina, M. (eds) (2008), "Evolucionismo - História e Argumentos", Lisboa: Esfera do Caos, Coleção Fundamentos e Desafios do Evolucionismo (in press)



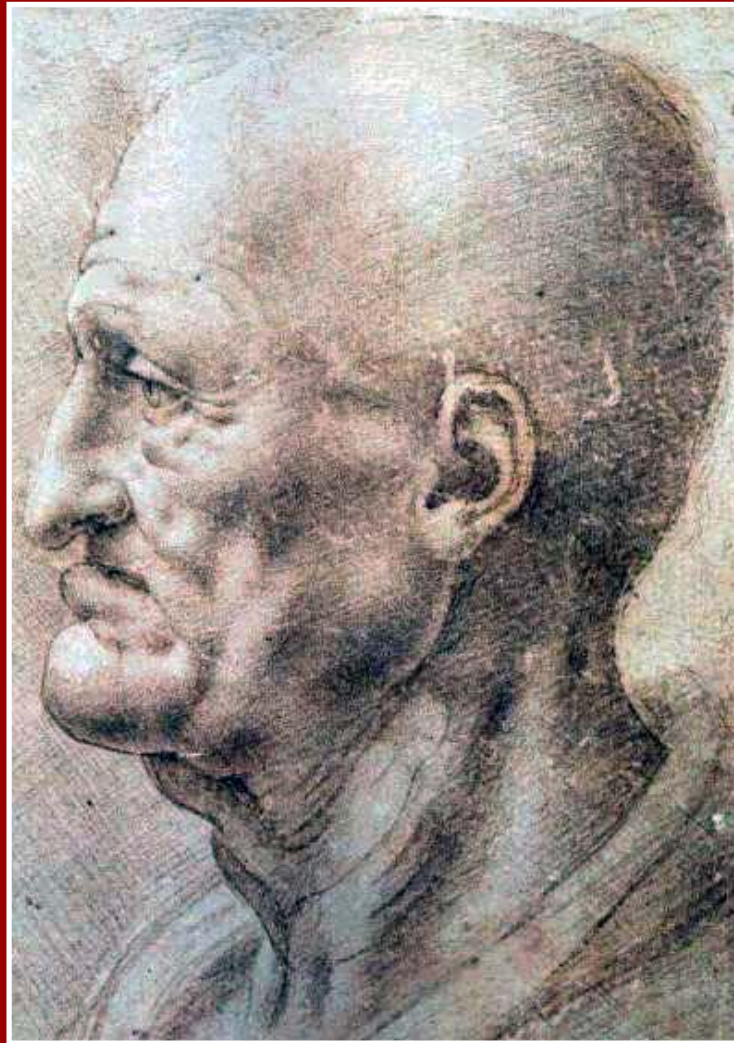
- Abreu, H., Carrapiço, F., Levy, A., Pina, M. (eds) (2008), "Evolucionismo - Conceitos e Debates", Lisboa: Esfera do Caos, Coleção Fundamentos e Desafios do Evolucionismo (in press)



- Abreu, H., Carrapiço, F., Levy, A., Pina, M. (eds) (2009), "Origem da Vida", Lisboa: Esfera do Caos, Coleção Fundamentos e Desafios do Evolucionismo (in press)



- Abreu, H., Carrapiço, F., Levy, A., Pina, M. (eds) (2009), "Origem e Evolução do Homem", Lisboa: Esfera do Caos, Coleção Fundamentos e desafios do Evolucionismo (in press)



## ***Philosophy of Human Sciences***





## BACKGROUND

- This RG started from the **FCT 2003 project «Scientific Culture. Conceptual Migrations and Social Contaminations»**, more specifically, from two of its tasks:
  - **Articulations and Paradigmatic Contaminations between Human, Natural and Exact Sciences.**
  - **The «Two Cultures» and the Question of Unity of Science**
- An evergrowing number of researchers joined the CFCUL, coming from diverse areas (**Economics, Linguistics, Psychology, History, Anthropology**), thus giving rise to a significant research team interested in Philosophy of Human Sciences
- **Something which comes in the line of the our wide conception of Science**



# MAIN OBJECTIVES

- to analyze the main philosophical questions around Human Sciences
- to analyze the scope and limits of formalism in human sciences
- to elaborate a set of concepts for a better understanding of the methods and theories of Human Sciences
- to study the paradigmatic contaminations between human and natural sciences
- to analyze the human science's models in the study of the inner processes of the scientific knowledge and their social impact



# RESEARCH TEAM: 22

## PhD Members: 6

- Eduardo Pellejero (*head*)
- António Bracinha Vieira
- Catarina Nabais
- Diogo Sardinha
- Jean-Yves Mercury
- Nuno Proença

## Other PhD researchers: 8

- Jose Luis Câmara Leme
- Vítor Neves
- Serhii Wakulenko
- Mario Teodoro Cobián
- Eduardo di Pierro
- Patrícia San Payo
- Ignacio Ramirez
- Paula Maria Shaer

## Non-PhD Members: 8

- Davide Scarso
- Dominique Mortiaux
- Golgona Anghel
- Nuno Melim
- Vasco Saragoça
- João Lopes Alves
- Ana Gaspar
- Sofia Raposo



# MAIN ACHIEVEMENTS

- **Thesis**
- **Publications**
- **Organization of conferences**
- **Teaching**
- **Internationalization**



# MAIN ACHIEVEMENTS / THESIS

## Post-Doc ongoing: 2

- Eduardo Pellejero, Post-doc at the CFCUL (2004-2008)
- Nuno Proença, Post-doc at the CFCUL (2008-2011)

## PhD thesis completed: 4

- Diogo Sardinha, ***Ordre et temps dans la philosophie de Michel Foucault***, PhD in Philosophy, University of Paris X - Nanterre, superv. Étienne Balibar, (2005)
- Eduardo Pellejero, ***Deleuze e a Redefinição da Filosofia. Apontamentos desde a Perspectiva da Inactualidade***, PhD in Philosophy, Universidade de Lisboa, superv. Nuno Nabais, (2006)
- Nuno Miguel Proença, ***Conditions et procédures d'objectivation en situation psychanalytique - sept lectures de textes techniques de S.Freud***, PhD in Philosophy, at the École des Hautes Études en Sciences Sociales (EHESS), Paris, superv. Fernando Gil (2007)
- Vasco Saragoça, ***La Duperie de Soi et le problème de l'Irrationalité*** (Université de Paris IV, Sorbonne, supervisor: Pascal Engel)



# MAIN ACHIEVEMENTS / THESIS

## PhD thesis ongoing: 3

- Nuno Melim, **Foucault e a Linguagem. Entre o Discurso e a Fala** (PhD in Philosophy, Universidade de Lisboa, superv. Nuno Nabais)
- Davide Scarso, **Merleau-Ponty e Lévi-Strauss. As Ciências Sociais entre Fenomenologia e Estruturalismo**, PhD in Philosophy, Universidade de Lisboa, superv. Nuno Nabais)
- Golgona Anghel, **A Metafísica do Medo. Leituras da obra de Al Berto** (supervisor: Nuno Nabais and Fernando Pinto do Amaral)



# MAIN ACHIEVEMENTS / THESIS

## Master thesis completed: 3

- Victor Gonçalves, **Nietzsche e Dionysus. The Early Writings** (Mestrado em Filosofia, Faculdade de Letras da Universidade de Lisboa, sob orientação de Nuno Nabais. Defendida em 2004)
- Paulo Cardoso, **A Consciência Irrealizante - O Conceito de Imaginação em Sartre** (Master in Philosophy, FLUL, Lisbon, supervisor: Nuno Nabais. (Concluded in 2005).
- Rosalina de Castro, **Os Tempos da Cor em Mark Rothko** (Mestrado em Filosofia, Faculdade de Letras da Universidade de Lisboa, sob orientação de Nuno Nabais. Defendida em 3 de Maio 2006)

## Master thesis in progress: 1

- Silvia Zelinda Vedor Fernandes, **A Promoção e Salvaguarda do Património Linguístico Ibero\_Americano na Circunstancia do Fenómeno da Globalização Linguística e Cultural**, (Mestrado em Ciência Política e Relações Internacionais, área Ambiente e Globalização, Universidade Nova de Lisboa, sob orientação de Olga Pombo)



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Books: 11

- Vieira, A. B. (2005), *Improvisações sobre a Ideia de Deus*, Lisboa: & etc, 139 pp.
- Barbosa, J. (2005), *A Natureza Dificultósíssima. Uma Quase-Epopeia do Padre António Vieira e Outros Missionários do Séc. XVII em Serras do Brasil*, Apenas Livros, Lisboa.
- López, M. (2005), *Un destino personal, sobre el desarrollo de la subjetividad moderna*, Morelia, Secretaria de Cultura del Estado de Michoacán.
- Proença, N. (2005), *Imitação das Horas*, Viseu, Palimage Editores.
- Nabais, N. (2006), *Nietzsche & the Metaphysics of the Tragic*, London: Continuum International Publishing Group (Athlone Contemporary European Thinkers).
- Anghel, G. (2006), *Eis-me Acordado muito Tempo depois de mim, Uma Biografia de Al Berto*, prefácio de Agustina Bessa-Luís, Vila Nova de Famalicão, Quasi Edições, 176 pág.
- Pellejero, E. (2007), *Deleuze y la Redefinición de la Filosofía*, Jitanjáfora: Morelia Editorial.
- Vieira, A. (2008), *Fim de Império*, Lisboa: ASA.
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- Mercury, J. (2008) *Promenades philosophiques / Passeios filosoficos*, Lisboa: Sextante Editora







# MAIN ACHIEVEMENTS / PUBLICATIONS

## Book chapters: 22

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- Eduardo Pellejero (2003), Horacio Ferrer, poeta de la redención (ensayo), in Oscar Conde (org.), Poéticas del tango, Buenos Aires, Dunken.
- Olga Pombo (2003), O Insuportável Brilho da Escola, in Alain Renaut et alii, Direitos e Responsabilidades na Sociedade Educativa, Lisboa: Fundação Calouste Gulbenkian, pp. 31-59.
- Adelaide Neves, Galvão, C., Freire, A.M., Lopes, A.M., Oliveira, T., & Santos, C. (2004), Inovação no Currículo das Ciências em Portugal Algumas Perspectivas de Avaliação (versão em Inglês com o Título Innovation in Portuguese Science Curriculum: Some Evaluation Issues), in ME-DEB (Coord.) Flexibility in curriculum, citizenship and communication / Flexibilidade curricular, cidadania e comunicação. Lisboa: DEB (CLE e CLN)
- Diogo Sardinha (2004), Actualité de Kant, actualité de Foucault, in Ribeiro dos Santos (org.), Kant: posteridade e actualidade. Colóquio internacional, Lisboa, Centro de Filosofia da Universidade de Lisboa 725-734. , 2006, p. Actas do Colóquio internacional «Kant 2004: Posteridade e actualidade», Universidade de Lisboa, 25-27 Novembro de 2004.
- Ana Gaspar com Carvalho, M. (2005), Representação da Delinquência em Adolescentes, in Margarida Gaspar de Matos (ed), Comunicação, Gestão de Conflitos e Saúde na Escola, Cruz Quebrada: Faculdade de Motricidade Humana, Universidade Técnica de Lisboa.
- Eduardo Pellejero. (2005), Borges y Kafka: La alegría de la influencia, in Gabriela Citadini (org.), Borges y los otros, Caracas, El mismo / El otro.
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- João Lopes Alves (2006), Aqui houve Saber, Engenho e Arte, in AA VV, Livro In Memoriam de Agostinho da Silva. Lisboa : Zéfiro/ Associação Agostinho da Silva, pp. 215-218.
- João Lopes Alves (2006), A Controvérsia Jurídica perante as Controvérsias Científicas e Filosóficas, in Estudos Jurídicos e Económicos em Homenagem ao Professor António de Sousa Franco, Lisboa: Faculdade de Direito da Universidade de Lisboa.



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Book chapters (cont.)

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- Olga Pombo (2006), Agostinho da Silva. Um Arquétipo Vivo do Professor, in Renato Epifânio, Romana Valente Pinho e Amon Pinho Davi (orgs.), In Memoriam de Agostinho da Silva. 100 Anos, 150 Nomes, Lisboa: Zéfiro / AAS, pp. 354-359.
- Olga Pombo (2006), c/ Beirão dos Reis, Manuel, As 'Cartas de Problemática' de António Sérgio e os Estudantes da Faculdade de Ciências de Lisboa, in J. L. Cordovil, M. Beirão e O. Pombo, As Cartas de Problemática de António Sérgio, 3º Caderno de Filosofia das Ciências, pp. 5-26.
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- Nuno Proença (2007), Affect, in Chateau, Cohn, Cometti, Morizot, Pouivert, (éd.), Dictionnaire d'Esthétique, Paris, Armand Colin.
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- João Lopes Alves (2008), Um projecto pessoano de Fernando Gil, in A Razão Apaixonada. Homenagem a Fernando Gil, Lisboa: Imprensa Nacional da Casa da Moeda, 209-238.
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- Vítor Neves, Sciences as Open Systems: the Case of Economics, in Olga Pombo et al (eds.), Unity of Science. Non-Traditional Approaches, Springer / Kluwer (no prelo).



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## Articles: 47

- Nuno Melim (2003), A tarefa da filosofia em Foucault: uma redefinição da filosofia?, in *Phainomenon*, n.º 5/6, Lisboa, Centro de Filosofia da Universidade de Lisboa, 2002/2003, pp. 487-507.
- Patrícia San-Payo, (2003), Maria Gabriela Llansol e a escrita fragmentária. Leitura de Onde vais, drama-poesia? in *Românica* 12, pp. 121-136
- Serhii Wakúlenko (2003), Lockean Motifs in Potebnia in Auroux S. (ed.), *History of Linguistics 1999*, in *Selected Papers from the Eighth International Conference on the History of the Language Sciences*, 14-19 September 1999, Fontenay-St. Cloud, Amsterdam & Philadelphia: Benjamins, pp. 319-332.
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- Serhii Wakúlenko Чому Олександр Потебня не започаткував нової науки семантики resp. семасіології? [= Porque é que (2004), Alexandre Potebniá não inaugurou uma nova ciência de semântica ou de semasiologia?] in В. Ю. Франчук et al. (eds.), О. О. Потебня й актуальні питання мови та культури, Kiev: Видавничий Дім Дмитра Бураго, pp. 98-108.
- Serhii Wakúlenko (2004), Der Begriff des semasiologischen Rythmus bei Dmitro Owsjaniko-Kulikowskij: eine Fortentwicklung der Lehre Alexander Potebnjas von den inneren Form des Wortes in G. Haßler & G. Volkmann (eds.), *History of Linguistics in Texts and Concepts - Geschichte der Sprachwissenschaft in Texten und Begriffen* 1, Münster: Nodus Publikationen, pp. 267-276.
- Serhii Wakúlenko (2004), Slavizzazione della terminologia scolastica nella Filosofia Aristotelica all'avviso dei Peripatetici di Manujlo Kozačyns'kyj in: G. Siedina (ed.), *Mazepa e il suo tempo. Storia, cultura, società - Mazepa and his time. History, culture, society*. Alessandria: Edizioni dell'Orso, pp. 541-563.
- Vítor Neves (2004), Situational analysis beyond 'single-exit' modelling, in *Cambridge Journal of Economics*, vol. 28, n. 6, pp. 921-936.
- David Scarso (2005), Materiali di Estetica su Guido Davide Neri (recensão), in *Spazio-mondo* n° 10 (Maggio), pp. 183-156.
- Davide Scarso (2005), Mauro Carbone, Una Deformazione Senza Precedenti (recensão), in *Conceito. Revista de Filosofia e Ciências do Homem*, n.º 1, pp. 257-260.
- Eduardo Pellejero (2005), Deleuze y el teatro de la filosofía: dramatización, minorización y perspectivismo in *Devenires*, nº12, Morelia.
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- Nuno Nabais com Câmara Leme, J. L. (2005), Editorial, in *Conceito. Revista de Filosofia e Ciências do Homem*, n.º 1, pp.5-6.
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- Patrícia San-Payo, (2005), António Franco Alexandre, Aracne, Lisboa: Assírio&Alvim, 2004 in *Românica* 15, pp. 235-238 (Recensão)
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## Articles (cont)

- Davide Scarzo (2006), Mauro Carbone, Una deformazione senza precedenti, in *Devenires. Revista de Filosofia y Filosofia de la Cultura*, VII, nº 14, Julho, pp. 213-216
- Diogo Sardinha (2006), L'histoire du droit comme histoire des contraintes discursives. Sobre Michel Troper, Terminer la Révolution. La Constitution de 1795, Paris, Fayard, coleção Histoire des Constitutions de la France, p. in 2006, 779 Labyrinthe29, 2008 (1), p. 139-146 (estudos , nº críticos).
- Eduardo Pellejero (2006), La realidad de la ficción como proyecto de investigación filosófica, in *Filos. Revista de Filosofía*, Facultad de Filosofía Samuel Ramos, Universidad Michoacana de San Nicolás de Hidalgo, Mexico, November.
- Eduardo Pellejero (2006), Eu, León Riviere, comi o marquês de Pombal (relato breve), in *Sítio*, nº2, Torres Vedras.
- Eduardo Pellejero (2006), Cenas do romance anterior (relato breve), in *Sítio*, nº3, Torres Vedras
- Golgona Anghel (2006), Biografia à maneira de Diógenes, in *REVISTA SÍTIO*, Lisboa, nº 2, Janeiro, pp. 40-42.
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- José da Câmara Leme (2006), Foucault, Weber e a Vivência da Ciência, in *Revista de Comunicação e Linguagens* nº 38, Mediação dos saberes, CECLUN, Relógio D'Água, Lisboa.
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- Olga Pombo (2006), Palabra, Pecado y Redención: el lugar del Padre en la Lengua Madre, in *Devenires. Revista de Filosofia y Filosofia de la Cultura*, VII, nº 14, Julho, pp. 101-129
- Serhii Wakúlenko, Projecção da Filosofia Escolástica Portuguesa na Polónia Seiscentista, in *Revista Filosófica de Coimbra* 15/30, 343-381.
- Rui Pereira (2006), Emmanuel Lévinas: "Ciencia ininterrupta", Razón y ecepticismo, *Devenires. Revista de Filosofia y Filosofia de la Cultura*, VII, nº 14, Julho, pp. 172-182
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- Eduardo Pellejero (2007), La realidad de la ficción (proyecto de investigación filosófica) in *Filos: Revista de filosofía*, Facultad de Filosofía Samuel Ramos, Universidad Michoacana de San Nicolás de Hidalgo, Mexico
- João Eduardo Araújo (2007) Um itinerário crítico para o imaginário de Mafalda Veiga: Decomposição de um cancionero através da imaginação da matéria, in *Germina - Revista de Literatura e Arte*.
- José da Câmara Leme (2007), A Confissão e a Verdade do Sexo segundo Michel Foucault, in *Românica: revista de literatura / Departamento de Literaturas Românicas da Faculdade de Letras da Universidade de Lisboa*, nº 16.
- Olga Pombo (2007), A Escola como Memória do Futuro, *Revista Convergência Lusíada*, 23 - Número Especial. Centenário de Agostinho da Silva (1906-2006), pp. 281-291.
- Vítor Neves (2007), Sciences as Open Systems. The Case of Economics, in *Oficina do CES*, nº 289, Novembro de 2007.
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- António Bracinha Vieira (2008), De l'homme-primate à l'homme-termite: essai sur l'affaiblissement du langage - Actas do colóquio *Vivre en Europe: science, éthique, politique*.
- António Bracinha Vieira (2008), O 'lado de lá' em Maurice Blanchot - publicação nos textos de seminário *Fora da Filosofia: da Fenomenologia à Desconstrução*, Lisboa (Centro de Filosofia das Ciências)
- Eduardo Pellejero (2008), Jacques, Rancière, La fable cinématographique in *Conceito*, nº2, Lisboa, ER (no prelo).
- Eduardo Pellejero (2008), A abóbora que se tornou cosmos. A exposição do pensamento ao fora da filosofia (em colaboração com Golgona Anghel, in Pellejero-Anghel (org.), «Fora» da filosofia: As formas dum conceito em Sartre, Blanchot, Foucault e Deleuze, Lisboa, CFCUL.
- Eduardo Pellejero (2008), «Fora» da filosofia: As formas dum conceito em Sartre, Blanchot, Foucault e Deleuze (Eduardo Pellejero – Golgona Anghel, Organizadores), Lisboa, CFCUL.



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Online Articles: 2

- Nuno Melim - Fulguração do Teatro (pdf)
- João Eduardo Araújo - Um itinerário crítico para o imaginário de Mafalda Veiga: Decomposição de um cancionero através da imaginação da matéria (htm)

## Translations: 11

- Voltaire, artigo Loucura, in Dictionaire Philosophique (tradução de Nuno Melim), in Conceito. Revista de Filosofia e Ciências do Homem, n.º 1, p. 263-265.
- Palabra, pecado y redención: El lugar del padre en la lengua madre, de Olga Pombo (2006), (tradução (do português) de Eduardo Pellejero, in Devenires, n.º 14, Mexico), Novembro de 2006.
- Ciencia ininterrumpida, razón y escepticismo de Rui Pereira (2006), (tradução (do português) de Eduardo Pellejero, in Devenires, n.º 14, Mexico, Noviembre de 2006.
- Una deformación sin precedentes de Davide Scarso (2006), (tradução (do português) de Eduardo Pellejero, in Devenires, n.º 14, Mexico), Novembro de 2006.
- El abecedario de Gilles Deleuze (fragmentos) de Gilles Deleuze e Claire Parnet (2006), (tradução de Eduardo Pellejero, Morelia, Michoacán, 9 de Outubro de 2006.
- El canon literario en la modernidad: alteridad e hibridación de Jaqueline Revoredo (2007), (tradução (do português) de Eduardo Pellejero, in «Ideas con historia – 1º Encuentro Internacional de Filosofía», Universidad Nacional del Sur, Bahía Blanca, Argentina), 7-10 de Agosto de 2007.
- El Aleph y Grande Sertão: encrucijada y veredas de lo humano de Jaqueline Revoredo (2007), (tradução (do português) de Eduardo Pellejero, in «Borges y los otros – VIII Encuentro Internacional», Fundación Jorge Luis Borges, Buenos Aires), 21-24 de Agosto de 2007.
- Ricoeur y la función conceptual de la identidad narrativa de Carlos João Correia (2008), (tradução (do português) de Eduardo Pellejero, Morelia) (no prelo).
- Paul Ricoeur: Temporalidad, historicidad y narración de Carlos João Correia (2008), (tradução (do português) de Eduardo Pellejero, Morelia) (no prelo)
- Imágenes del tiempo en Deleuze de Peter Pál Pelbart (2008), (tradução (do português) de Eduardo Pellejero, Morelia) (no prelo).
- Gérard Lebrun, Pascal: la doctrine des figures (trad. do português de Diogo Sardinha com François Zourabichvili), Fortaleza: Imprensa universitária do Ceará, s.d, p. 1-12. (no prelo)



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## International Conferences: 3

- **1º Colóquio Internacional de Filosofia das Ciências Humanas** - "Lei, Segurança e Disciplina", in collaboration with Centro de História e Filosofia da Ciência e da Tecnologia da Faculdade de Ciência e Tecnologia, the Centro de Comunicação e Linguagens da Faculdade de Ciências Sociais e Humanas, Univ. Nova Lisboa and Instituto Franco Português de Lisboa, 23-25 Novembro 2005.
- **2º Colóquio Internacional de Filosofia e Ciências do Homem** - Deleuze. A Arte entre Crítica e Clínica (2006)
- **Congreso Internacional de Filosofia - Ideas con Historia** - organização do Departamento de Humanidades da Universidade Nacional del Sur, colaboração do CFCUL, Argentina 7 a 10 de Agosto de 2007

## Workshops: 3

- **1º Workshop: «Fora» da Filosofia.** As Formas de um conceito em Sartre, Blanchot, Foucault et Deleuze (06/07/2007).
- **2º Workshop: «Fora» da Filosofia.** Da Fenomenologia à Desconstrução, (14/12/2007)
- **3º Workshop: «Fora» da Filosofia** (22/02/2008)



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Permanent Seminar of Philosophy of Science: 7

- Foucault e a Filosofia das Ciências no Século XX, by Roberto Machado (Universidade Federal do Rio de Janeiro), 22.04.2004 (16h), FCUL, Lisbon.
- Carnalidad y Ciencia. Merleau Ponty y la Ciencia Contemporánea, by Mario Teodoro Ramirez Cobian (Univ. Michoacana, Mexico), 2.11.2005, 18 h, FCUL, Lisbon.
- Sistemas Abertos e as Conexões Sociais da Economia, by Vítor Neves (Univ. Coimbra, Portugal), 25.01. 2006, 18 h, FCUL, Lisbon.
- O Trabalho do Actor segundo Gilles Deleuze, by Fernanda Bond (Univ. Federal Rio de Janeiro, Brazil), FCUL, Lisbon, 18h, 31.01.2006.
- A dimensão discursiva e a construção da identidade, by Marci Dória Passos (UFRJ, Rio de Janeiro, Brazil ), FCUL, Lisbon, 12.07.2006
- As Línguas Pré-Clássicas, by José Félix Costa (IST, Lisbon), FCUL, Lisbon, 9.02.2007, 16h.
- Puzzles, poemas e verificações: acerca do método de investigação em psicanálise, by Nuno Proença (CFCUL / Collège International de Philosophie), 4ª feira, 30 de Janeiro de 2008



# MAIN ACHIEVEMENTS / TEACHING

## Our members taught in 8 Post-Graduate Courses:

- La realidad de la ficción, by Eduardo Pellejero. Regular course of post-graduation. Facultad de Filosofía de la Univ. Michoacana de San Nicolás de Hidalgo, Morelia, México, 2006 (48h)
- *Filosofia e Metodologia da Economia*, by Vitor Neves, module at the doctoral program in *Governança, Conhecimento e Inovação*, Faculdade de Economia da Univ. of Coimbra, 2006-2007 (21 h)
- *Metodologia da Economia*, by Vítor Neves, optional course of the Master in Economics of the Faculdade de Economia, Univ. of Coimbra, May-June 2007 (15 h).
- *Filosofia Moderna e Contemporânea*, by Nuno Nabais - module at the "Master of Modern and Contemporary Philosophy, Univ. Estadual do Oeste do Paraná, Campus Toledo, Brasil, 31 de Outubro - 4 de Novembro de 2005 (20 h).
- *Evolução da Linguagem*, by António Bracinha Vieira - module at the "Master Human Evolution", Univ. Coimbra, Departamento de Antropologia, 21 de Abril de 2006 (4h).
- *La realidad de la ficción en la cultura contemporánea* - by Eduardo Pellejero – Master at the faculty of Philosophy Samuel Ramos, Univ. Michoacana de San Nicolás de Hidalgo, Agosto-Dezembro de 2006.
- Deleuze y la redefinición de la filosofía - by Eduardo Pellejero - course at the Doctoral program of the Depart. Of Humanities, Univ. Nacional del Sur, Bahía Blanca, Argentina, 2007.
- *As Possibilidades da Literatura* - by Nuno Nabais – course at the Master in Theory of Literature, Univ. Lisboa (1st semestre, 2006-2007).





# MAIN ACHIEVEMENTS / TEACHING

## Graduate : 4

- *Epistemology of Social Sciences*. by Nuno Nabais, Univ. Lisboa. 2003-2005 (52h per year)
- *Introdução à problemática das Ciências Humanas*, by Nuno Nabais, Univ. Lisboa, 2005-2007 (52h per year).
- *Introducción a la filosofía de Gilles Deleuze* - by Eduardo Pellejero, Univ. Michoacana de San Nicolás de Hidalgo, Agosto-Dezembro de 2006.
- *Eventualización, Perspectivismo, Fabulación: Una aproximación a la obra de Gilles Deleuze* , by Eduardo Pellejero , Facultad de Filosofia de la Univ. Veracruzana, Janeiro de 2007

## Courses abroad: 4

- *A Inactualidade como Clave para repensar a Idea Deleuziana da Filosofia* - by Eduardo Pellejero , Univ. Michoacana de San Nicolás de Hidalgo, México, 2005.
- *Le sujet comme production de vérité: un parcours entre Kant et Freud*» - by Nuno Proença (em conjunto com Soraya Nour e Paulo de Jesus) - Collège International de Philosophie, 2006-2007.
- *Le sujet comme production de vérité: un parcours entre Kant et Freud II* - by Nuno Proença - Collège International de Philosophie, 2007-2008
- *Contexte, Art, Vérité* - by Nuno Proença - coordenação das jornadas de estudo no quadro do seminário « Réalité, Forme, Vérité » da Prof. Danièle Cohn na École des Hautes Études en Sciences Sociales, Paris, 6 e 7 de Junho de 2007.



# MAIN ACHIEVEMENTS / INTERNATIONALIZATION

## International projects: 2

- Logiques de la Ficción, Univ. Lille III, France (head - Shahid Rahman)
- SIPS, Système d'Information en Philosophie des Sciences (head - Thierry Martin) 3 UMR de Philosophie des Sciences, IHPST / CNRS, França

## Partnerships: 4

- Facultad de Filosofía «Samuel Ramos» - Universidad Michoacana de San Nicolás de Hidalgo (Mexico)
- Zentrum für Literaturforschung, Berlin, Germany
- Universidad Nacional del Sur, Bahia Blanca, Argentina
- Collège International de Philosophie, Paris, France



# OUTREACH ACTIVITIES

## Radio and TV

- Tv program *“Indisciplinas”* – interview with Nuno Nabais on RTP2, 01 July 2007
- Tv program *“Câmara Clara” - Língua é Poder* – with Olga Pombo, RTP2, 15 July 2007 <<http://www.dois.tv/programas/camaraclara>>
- Weekly Radio program *“Pensar por Pensar”*, with António Bracinha Vieira and Nuno Nabais on RCP’s program *Janela Aberta*, from Dec.2007 on.



# ONGOING AND FUTURE RESEARCH



- Philosophical Problems of Human Sciences



- Philosophy of Economics



- Philosophy of Literature and Linguistics



# ONGOING AND FUTURE RESEARCH



## Philosophical Problems of Human Sciences

### Objectives:

The question that structures this Research Group is the question of the **specificity of human sciences in relationship with natural and deductive sciences, but also with social sciences and humanities.**

**It intends to conceptualize the singularity of the modalities and operators that belong to the intelligibility of human sciences, confronted with:**

- the question of the proving procedures
- the question of the definition and delimitation of its objects
- the necessary implication of knowledge in human and social practices and interests
- the question of the genesis and genealogy of the problems that characterizes each singular human science



# ONGOING AND FUTURE RESEARCH



## Philosophy of Economics

- The aim of this project is to study **the quality/quantity tension in economics as a philosophical issue**. The main focus is on the discussion of **economic modelling** - arguably the most distinctive feature of current mainstream economics - and of the logic(s) of economic investigation.
- This includes **research on the role and nature of economic models, the relationship between models and reality, the relevance of ordinary language and mathematics, the importance of interpretative reasoning, and the significance of "human" or "ordinary" logic - a non-demonstrative form of logic associated to the names of J. M. Keynes and F. P. Ramsey - and related recent developments in non-classical logics as compared to other more traditional forms of logical reasoning.**
- Assessing the foundations of a "qualitative tradition" in economics, which includes representatives of the discipline as notable as Alfred Marshall, J. M. Keynes and Ronald Coase, is part of this investigation.



# ONGOING AND FUTURE RESEARCH



## Philosophy of Literature and Linguistics

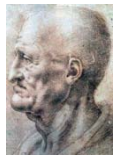
- To raise the main philosophical questions of literary studies and linguistics (methods of interpretation, implicit assumptions about the textual and/or the linguistic object, etc).
- **Reevaluate fiction as a critic concept for philosophy and human sciences, pointing out links with the logic of knowledge and the history of its institutions (and in this sense we work on heuristic fictions, concord fictions, modelling fictions, and so on).**
- To rethink, in the context of contemporary knowledge, **the question of poetics** – we mean: the inquire of our practices of writing–, beyond the restrict domain of literature, within history (Rancière), psychoanalysis (Freud), anthropology (Pavel), etc.



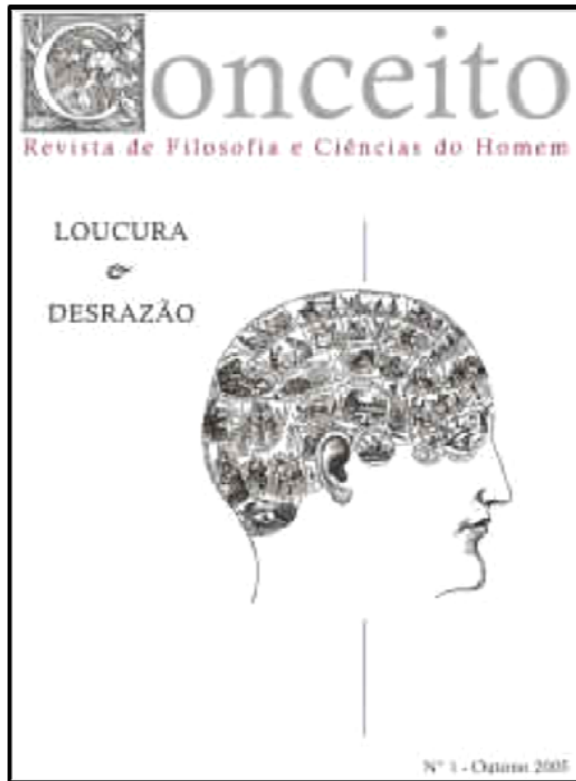
# **FUTURE ACTIVITIES**

- **Publications**
- **Organization of conferences**





# FUTURE ACTIVITIES / PUBLICATIONS



- Number 2 (2008)
- Number 3 (2009)
- Number 4 (2010)



## FUTURE ACTIVITIES / PUBLICATIONS

### Books (foreseen): 5

- Silva, J. E., *Wittgenstein e a Natureza da Necessidade Lógica*, Lisboa: CFCUL (in press)
- Paz, M, *Glosario de definiciones kantianas*, Madrid: Editorial Tecnos (in press)
- Pellejero, E. (2008), *Deleuze e a redefinição da filosofia. Apontamentos da perspectiva da inactualidade*, Lisboa, CFCUL (in press).
- Pellejero, E. *Jacques Rancière, El odio a la democracia* (tradução do francês, introdução e notas), Mexico, Jitanjanfora (in press).
- Eduardo Pellejero – *A realidade da ficção*

### Proceedings (foreseen): 4

- Proceedings of the III International Colloquium on Philosophy and Human Sciences, "Merleau Ponty and Levy-Strauss"
- Proceedings of the international colloquium – "Poéticas - Escrever: porquê, para quê, para quem?"
- Proceedings of the workshops - "Fora da Filosofia II" and "Fora da Filosofia III"



# FUTURE ACTIVITIES / ORGANIZATION OF CONFERENCES

## Colloquia

- **III International Colloquium on Philosophy and Human Sciences, "Merleau Ponty and Levy-Strauss",** to be held in Lisbon, 20-22 November 2008.

## Workshops

- **Poéticas - Escrever: porquê, para quê, para quem?,** 29 e 30 de Maio de 2008.
- **Oficina de Filosofia das Ciências Sociais e Humanas** – a series of trimestral workshops (the first took place in May 2008)

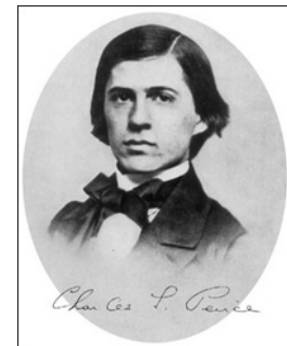


***Discovery, Invention,  
Creation***



## BACKGROUND

- **This RG is the development of a previous research line (Philosophy of Mathematics)** of the FCT Project **“Scientific Culture. Conceptual Migrations and Social Contaminations”**.
- **As the time went by**, we realized that we had not enough critical mass to go on with a specific line of research on "Philosophy of Mathematics".
- **However**,
  - some researchers and students were determined to study the mathematical and philosophical work of **Poincaré**, mostly his theories on Dynamic Systems, Relativity, Mathematical Reasoning, Logics and Intuition.
  - various **international contacts in Logics and Philosophy of Mathematics** came to strengthen the research interests of this team
- **Another very important root** of this RG was the work done in the internal project **“Abduction and Scientific Discovery”**, developed by a team of 7 CFCUL members, since 2005.





# RESEARCH TEAM: 15

## Members (PhD): 2

- Isabel Serra (*head*)
- Olga Pombo

## Other PhD researchers: 5

- Augusto Franco de Oliveira
- Francisco Miguel Dionisio
- Henrique Guimarães
- Jose Felix Costa
- Hassan Tahiri

## Non-PhD Members: 8

- Alexander Gerner
- Ana Paula Silva
- Celina Reduto
- Cláudia Martinho
- João Sampaio
- Manuel Beirão
- Maria de Paz Amérigo
- Maria do Rosário Laureano



# MAIN ACHIEVEMENTS

- **Thesis**
- **Publications**
- **Organization of conferences**
- **Internationalization**



# MAIN ACHIEVEMENTS / THESIS (9)

## Post-Doc ongoing: 1

- Hassan Tahiri (Univ. Lille III, France), Post-doc at the CFCUL in 2008

## PhD thesis ongoing: 2

- Alexander Gerner, *Philosophical Research of Attention* (PhD in History and Philosophy of Sciences, FCUL, supervisors: Olga Pombo and Nuno Nabais).
- Maria de Paz, *Space and Time in Einstein and Poincaré* (supervision Prof. Isabel Serra)

## Master thesis completed: 4

- Ana Paula Silva, *Transformations of the Concept of Abduction in Peirce. The Kepler Example* (Master in History and Philosophy of Sciences, FCUL, supervisor: Olga Pombo, Outubro 2007)
- Eunice Neves, *Contributo para o Ensino da História da Matemática nos Ensinos Básico e Secundário*, 2006 Master in Mathematics Teaching, FCUL, supervisor: Isabel Serra, 2006)
- Sílvia Leandro, *A Evolução Histórica das Cônicas* (Mestrado Matemática, Faculdade de Ciências da da Universidade de Lisboa sob orientação de Isabel Serra, Abril de 2007).
- Maria de Fátima Pona, *Séries Numéricas: História e Aplicações ao Ensino da Matemática* (Mestrado Matemática, Faculdade de Ciências da da Universidade de Lisboa, sob orientação de Isabel Serra, Abril de 2007).

## Master thesis ongoing: 2

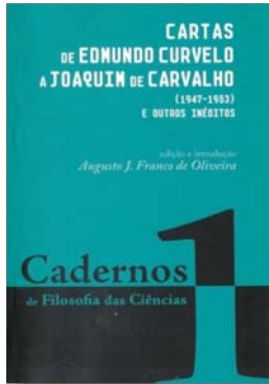
- Celina Reduto on *The Nature of Mathematical Reasoning* supervised by Prof. Olga Pombo and Prof. Gerhard Heinzmann.
- Claudia Martinho under the tentative title *Poincaré and the Mathematics Teaching* will be presented (supervision Prof. Olga Pombo and Prof. Henrique Guimarães).



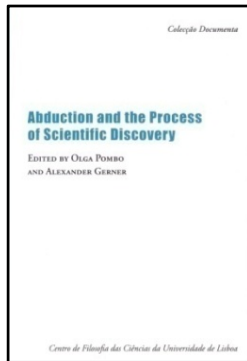


# MAIN ACHIEVEMENTS / PUBLICATIONS

## Books: 2



- Augusto Franco Oliveira (Prefácio e organização)(2005), **Cartas de Edmundo Curvelo a Joaquim de Carvalho (1947-1953) e outros Inéditos**, 1º Caderno de Filosofia das Ciências, Lisboa: Centro de Filosofia das Ciências da Universidade de Lisboa, 198 pp.



- Pombo, O.; Gerner, A. (eds) (2007), **Abduction and the Process of Scientific Discovery**, Lisboa: CFCUL / Publidisa, 386 pp. (coleção *Documenta*)



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Articles: 9

- Nuno Proença (2003), Sur la Logique et la Théorie de la Science. Tradução e Comentário, in *Análise*, número 25, *Dezembro* de 2003, pp.121-143.
- Maria do Rosário Laureano (2004), Cohomologia e sistemas dinâmicos, in *TMQ4 - Temas em Métodos quantitativos*. Editores Manuel Alberto Ferreira, Rui Menees, Fernando Catanas.
- Shahid Rahman (2006), The Beetle in the Box: Exploring IF-Dialogues (avec Cedric Degremont), in A. T. Pietarinen, A.Veikho, *Truth and Games. Essays in Honour of Gabriel Sandu*, Helsinki: Societas Philosophica Fennica, 91-122.
- José Félix Costa, Jerzy Mycka, (2006), Undecidability over continuous-time, in *Logic Journal of the IGPL*, 14(5):649-658, Oxford University Press.
- Augusto Franco Oliveira (2006), Kurt Gödel, Viena, in *Boletim da Sociedade Portuguesa de Matemática* 55, 25-38.
- Ana Paula Silva com Oliveira, P.M. (2006), Às voltas com o tempo!, in *Revista Educação e Matemática*, tema Matemática e Tempo, APM.
- Ana Paula Silva (2006), Materiais para a aula de Matemática - Qual o astro mais distante da Terra: O Sol ou a Lua?, in *Revista Educação e Matemática*, nº 90 - Novembro e Dezembro, APM.
- Ana Paula Silva (2006), O Conceito de Abdução em Peirce. O exemplo de Kepler, in *Actas do ProfMat2006*, CD-Rom, Associação de Professores de Matemática, Lisboa, Novembro
- Maria do Rosário Laureano com Mendes Diana A., Ferreira Manuel A., M. (2007) Efficient synchronization with chaotic quadratic maps, in *Proceedings APLIMAT2007*.



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Book chapters: 5

- Shahid Rahman (2006), A non normal logic for a wonderful world and more, in J. van Benthem et alia The Age of Alternative Logics; chez Dordrecht: Kluwer-Springer, 311-334
- Isabel Serra (2006), Entre a Mística dos Números e o rigor do Cálculo, in Números e outras coisas da Vida, Naturarte, nº4, Apenas Livros Editores, pp. 27-41.
- Isabel Serra, com E. Maia (2006), Egas Moniz e a Investigação Científica, in "Estudos sobre a Ciência em homenagem a Ruy e. Pinto", Vol III Opuscula Off., Coord J.P. Sousa Dias, Shaker Verlag, IRC, pp.115-128.
- Nuno Proença (2008), "Apresentação" de "La Logique et la Théorie de la Science de Jean Cavaillès, 5º Caderno de Filosofia das Ciências. Cavaillès, Lisboa: CFCUL / Publidisa (no prelo)
- Nuno Proença, Apresentação de "Sur la Logique et la Théorie de la Science de Jean Cavaillès", 5º Caderno de Filosofia das Ciências. Cavaillès, Lisboa: CFCUL / Publidisa (no prelo).

## Online Articles: 2

- Juan Redmond - *A Lógica da ficção. Uma abordagem dialógica*
- Francisco J. Salguero - *Conceptualización y Elaboración del Contexto*



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Translations: 3 + 5

- *Carta de I. Kant a Johann Schultz del 25 de noviembre de 1788* (tradução de Maria de Paz, sob a direcção do Prof. Rogelio Rovira), in Logos. Anales del Seminario de Metafísica, vol. 37, ISSN 1575-6866, pp.49-53, 2004. Publicação previa em Teleskop.es, 2004.
- *Conversación de Filareto y Aristo*, de G.W. Leibniz, tradução espanhola de Maria de Paz, publicada na colecção Opuscula Philosophica de Ediciones Encuentro, nº 22, 2005, ISBN: 84-7490-4
- *Sur la Logique et la Théorie de la Science de Jean Cavaillès*, tradução portuguesa de Nuno Proença, in 5º Caderno de Filosofia das Ciências, Lisboa: CFCUL / Publidisa (no prelo).

## In order to publish 2 Anthologies of Poincaré, we have already translated 5 texts:

- Poincaré - **Intuição e Lógica em Matemática**, in La valeur de la Science, trad. de Henrique Guimarães
- Poincaré - **A Invenção Matemática**, in Bulletin de l'Institut Général de Psychologie, 3 (1908), trad. de Henrique Guimarães
- Poincaré - **A Lógica do Infinito**, trad. e notas de Augusto J. Franco Oliveira (pdf)
- Poincaré - **As definições Matemáticas e o Ensino**, in Science et Méthode, trad. e notas de Claudia Martinho
- Poincaré - **A Matemática e a Lógica**, Science et Méthode, trad.e notas de Celina Reduto



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## International colloquia: 1

- **International Meeting - Abduction and the Process of Scientific Discovery**, Lisbon, 4-6.05.2006 (very successful colloquium which brought together some of the major researchers on abduction at international level)

## Workshops: 1

- **O que é o Diálogo? Introdução à Lógica Dialógica**, with Juan Redmond (UMR 8163 Savoirs, Textes, Langage, "La Science et ses Contextes", Univ. Lille III, France) 27.04.2007, FCUL.

## Permanent Seminar of Philosophy of Science: 5

- **O que é um Conceito?**, by Nuno Nabais (FLUL/CFCUL, Lisbon), 19.01.2005, FCUL.
- **A Lógica de Edmundo Curvelo**, by Franco Oliveira (Univ. of Évora, Portugal), 19.10.2005, FCUL.
- **Cognitive and Semiotic Conditions of Abductive Creativity**, by Michael Hoffmann (Georgia Institute of Technology, USA), 8.05.2006, FCUL.
- **Grundlagenstreit e o intuicionismo Brouweriano**, by Fernando Ferreira (Departamento de Matemática, FCUL) (10.10. 2007)
- **Science et hypothèse (1902): conservateur ou moderne?**, by Prof. Gerhard Heinzmann (Archives Poincaré, Univ. de Nancy / Projecto Poincaré. Filósofo da Ciência), FCUL, 24. 04.2008.



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Gymnasia: 10

- Porque é que Peirce considera Kepler como "o Exemplo Eterno" do Raciocínio Científico?, by Ana Paula Silva (CFCUL, Lisbon), FCUL, 16.09.2005.
- O que é o Logicismo?, by Augusto Franco de Oliveira and Olga Pombo (CFCUL/FCUL, Lisbon), FCUL, 9.11.2005.
- O problema da Percepção, by Nuno Nabais (CFCUL/FLUL, Lisbon), FCUL, 17.05.2006.
- O problema da Atenção, by Alexander Gerner (CFCUL, Lisbon), FCUL, 28.06.2006.
- Bayesian Epistemology, by Gregory Wheeler (CENTRIA/FCT, Lisbon), FCUL, 26.02.2007.
- Transformações do Conceito de Abdução em Peirce, by Ana Paula Silva (CFCUL, Lisbon), FCUL, 16.05.2007.
- A Matemática nas Civilizações Pré-Clássicas, by Teresa Matos (IST, Lisbon), 31.05.2007.
- Convencionalismo e Relatividade em Poincaré, by María de Paz (Univ. Complutense Madrid, Spain), FCUL, 19.09.2007
- Some reflections on the role of Symbolism in Mathematical Knowledge for Leibniz and Kant", com Pedro Vinuela (Pontificia U. Catolica de Chile), FCUL, 28/11/2007
- Poincaré y Leibniz, sobre la demostración matemática, por com Pedro Vinuela (Chile), FCUL (24.04.2008)



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Dispersions: 3

- A Hermenêutica e a Função da Metáfora na Ciência, Erik Aválos (Univ. Michoacana, México), FCUL, 9 de Novembro de 2005.
- Diálogos Possíveis entre Estrutura e Acontecimento - Verónica Fabrini (Univ. Estadual de Campinas), FCUL, 22 de Março de 2006
- Lógica da Ficção, por Juan Redmond (UMR 8163 Savoirs, Textes, Langage, "La Science et ses Contextes", Universidade de Lille III), 1/04/2007. (texto)

## Immaterial Talks: 1

- O Possível, o Impossível e o Virtual, apresentação de Nuno Nabais, 12 de Janeiro de 2005, 21h30, Livraria Eterno Retorno

## Book Presentations: 1

- 1º Caderno de Filosofia das Ciências do CFCUL, Cartas de Edmundo Curvelo a Joaquim de Carvalho (1947-1953) e outros inéditos, Prefácio e organização de Augusto Franco Oliveira - Livraria Buchholz, 21 de Outubro de 2005, 18 h.



# MAIN ACHIEVEMENTS / INTERNATIONALIZATION

## Partnerships: 5

- **UMR 8163 Savoirs, Textes, Langage, "La Science et ses Contextes", Univ. Lille III, France**
- **Universidad Complutense de Madrid - Departamento de Lógica Y Filosofía de la Ciencia, Madrid, Spain.**
- **Archives Poincaré, Université de Nancy**
- **Luso-American Foundation for Development**
- **Institut Franco-Portugais / Ambassade de France**





# ONGOING AND FUTURE RESEARCH

## 1. International project

### La Science et ses Contextes - Pragmatisme Dialogique

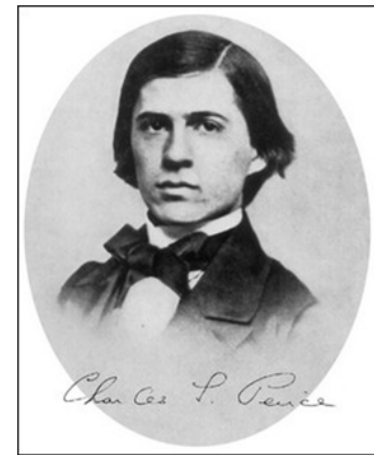
(head – Shahid Rahman)



## 2. Internal project

### Abduction and Scientific Discovery

(head – Olga Pombo)





## ONGOING AND FUTURE RESEARCH

### 3. FCT funded project

#### Poincaré, Philosopher of Science

(head: Franco Oliveira) - rate: "Excellent" (30.000 euros)

**Strong international collaboration:** Prof. Heinzmann (Director of the "Archives Henri Poincaré", Univ. Nancy) and Prof. Shahid Rahman (Univ. Lille), two of the most distinguished scholars on Poincaré, come regularly to Lisbon



### Tasks

- 1: **Mathematical Reasoning** - to discuss the question induction versus deduction both on historical terms (the Goblot-Poincaré controversy), and on analytical terms by researching how this problem is actually considered.
- 2: **Mathematical Learning** - to understand the actual failure of mathematical teaching in light of Poincaré's work.
- 3: **Dynamical Systems** - to analyze Poincaré scientific work and to determine the assimilation of Poincaré's ideas in dynamical systems in Portugal.
- 4: **Poincaré's Conventionalism** – to study the period between 1905 until his death in 1912



# **FUTURE ACTIVITIES**

- **Publications**
- **Organization of conferences**



# FUTURE ACTIVITIES / PUBLICATION

**Books: we plan to publish 7**

**already in press: 3**

- Nuno Proença (trad. introd e notas), **Sobre a Lógica e a Teoria da Ciência de Jean Cavallès**, Lisboa: CFCUL, 5º Caderno de Filosofia das Ciências (in press)
- Proença, N. **Wittgenstein, prova e matemática: uma introdução**, Lisboa: CFCUL / Publidisa, col. *Thesis* (in press).
- Correia, V. **Intuição e Conceito em Cavallès**, Lisboa: CFCUL /Publidisa, col. *Thesis* (in press)

**under way: 4**

- **Poincaré on Mathematics, Anthology I and II**. Selection, translation and preface by Oliveira, O. Pombo, H. Guimarães, F. Oliveira, C. Reduto and C. Martinho (2008)
- **Peirce e Kepler**, Selection, translation and preface by Ana Paula Silva and Alexander Gerner
- **Proceedings** of the “II International Meeting - Abduction and the Process of Scientific Discovery” (2009)



## FUTURE ACTIVITIES / ORGANIZATION OF CONFERENCES

- We will organize the **"2nd International Meeting - Abduction and the Process of Scientific Discovery" - 2009**
- We will go on with the **regular seminars on Poincaré** where the team presents and discusses its results
- We will organize **several international workshops on Poincaré** to which we'll invite some of the greatest researchers in the area and present the results of the local research team
  - **Shahid Rahman** (Lille III), 23-28 October 2007
  - **Gehard Heinzmann** (Archives Poincaré, Univ. Nancy), 23-24 April 2008
  - **Ivar Ekeland** (France/Canada), foreseen for November 2008
  - **Anastasios Brenner** (Sorbonne, France), foreseen for 2009



## ***Science, Ethics and Politics***



## BACKGROUND

- This RG includes **researchers from political philosophy, economics, sociology, biology and technology studies.**
- The RG was born **from an internal seminar concerned with the analysis of the political, ethical and social impacts of Science.** This seminar was part of the FCT project «Scientific Culture. Conceptual Migrations and Social Contaminations».
- **We also tried to discuss**
  - **the anthropological and ethical challenges of scientific and technological developments**
  - **the public understanding of science.**



# RESEARCH TEAM: 15

## PhD Members: 6

- Nuno Nabais (**head**)
- João Caraça
- Maria Alfreda Cruz
- Clara Queiroz
- Teresa Levy
- Diogo Sardinha

## Other PhD researchers: 3

- José Luís Garcia
- Christian Möckel
- Stella Lorenz

## Non-PhD Members: 6

- João Lopes Alves
- João Barbosa
- Dominique Mortiaux
- Marina Lopez
- Marco Pina
- Rui Pereira





# MAIN ACHIEVEMENTS

- **Thesis**
- **Publications**
- **Organization of conferences**
- **Teaching**
- **Internationalization**



# MAIN ACHIEVEMENTS / THESIS

## Post-Doc ongoing: 1

- Diogo Sardinha, Post-doc at the Univ. Paris 1 Panthéon-Sorbonne (2006-2009)

## PhD thesis completed: 1

- Angela Dionísio, *Equitable Distribution of Costs and Benefits in a Residential Development: a tripartite approach*. (PhD in Economics, Salford University, UK, 2005)

## PhD thesis on going: 6

- Dominique Mortiaux, *Terror e Nihilismo nas obras de G. Bataille e M. Heidegger* (supervisor: Nuno Nabais)
- Rui Pereira, *Desconstrução e Força Diferencial: suas Implicações Ético-Políticas* (supervisor: Nuno Nabais)
- Marina Lopez, *O Vôo do Espírito. Hannah Arendt e a Ciência do Renascimento* (supervisor: Olga Pombo and Agustín Serrano de Haro) (in preparation)
- Raúl Boíno, *Acerca da Construção para a Paz. Reconhecer a Verdade da Paz através da Diversidade Cultural e Patrimonial do Sartório* (supervisor: Teresa Levy) (in preparation)
- Tereza Ventura, *Novos Públicos no Ensino Superior. Metodologias de Avaliação Colaborativa e Contínua da Flexibilidade* (supervisor: Luis Miguel Villar Angulo)
- Gonçalo Zagalo, *As Máquinas Jurídicas. Pensar a Lei entre Gilles Deleuze e Jacques Derrida* (supervisor de Nuno Nabais)

## Master thesis completed: 4

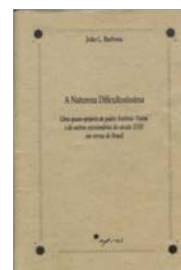
- Maria Manuela Pereira Escumalha, *Bioética e Cuidados Intensivos Neonatais*, 2004, (supervisor: Fernando Martins Vale)
- Fátima Pina Martins, *O Conceito de Identidade Pessoal em Paul Ricoeur*, 2005 (supervisor: Nuno Nabais)
- Rui Pereira, *A Ética como Des-interesse e Comunicação. Da Crise do Ser ao Direito do Ser: Des-interesse e Comunicação no Pensamento de Emanuel Lévinas*, 2006 (supervisor: Nuno Nabais)
- Alda Pereira Oliveira, *Bioética e Fitoterapia* 2006, (supervisor: Fernando Martins Vale)



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Books: 13

- João Barbosa (2003), *O Homem no Universo. Reflexões Sobre Possíveis Implicações Éticas da Coincidência Antrópica Cosmológica*, Lisboa: Instituto Piaget.
- João Caraça (2003), *À Procura do Portugal Moderno*, Porto: Campo das Letras.
- João Barbosa (2004), *Um Segundo Génesis? Inquietações de um Tempo em que a Tecnociência Acaba com Fronteiras Ancestrais*, Lisboa: Apenas Livros.
- Alfreda Cruz com Carvalho, M. (2004), *Mulheres em Movimento. O feminismo no questionamento actual*, Lisboa: ed. Ela Por Ela.
- Marina Lopéz (2004), *Política, cuerpo y escritura*, Morelia: Jintánjafora.
- João Barbosa (2004). *Ciência para Quê? O Velho Sonho de Bacon e Descartes*. Lisboa: Apenas Livros.





# MAIN ACHIEVEMENTS / PUBLICATIONS

## Books (cont.)

- João Lopes Alves (2005), *O Estado da Razão: da Ideia Hegeliana de Estado ao Estado segundo a Ideia Hegeliana*, Lisboa: Colibri
- João Lopes Alves (2005), *Ética & Contrato Social*, Lisboa: Edições Colibri
- Alfreda Cruz (2005), *A Cidadania na Estratégia de Desenvolvimento do Capital Social*, Lisboa: Instituto Nacional de Administração
- Teresa Levy. e Queiroz, C. (orgs)(2005). *Ciência e Género. Quatro Textos de Quatro Mulheres*, Lisboa: Centro de Filosofia das Ciências da Universidade de Lisboa.
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- João Caraça (2003), A science-based innovation system, in *Proceedings of XX World Conference on S&T Parks*, Lisboa 2003.
- João Barbosa (2003), "Antes da Terra, o Cosmos", in *Ética Ambiental: Uma Ética para o Futuro*, Centro de Filosofia da Universidade de Lisboa
- João Barbosa (2003), Prefácio da obra *O Valor do Mundo Natural* e *Perspectivas para uma Ética do Ambiente*, de Maria José Varandas, in nº1 da colecção *Breviário de Ética Ambiental*, Apenas Livros e SEA, Lisboa
- João Lopes Alves (2003), "Auditoria e Códigos de Conduta", in *Cadernos de Auditoria Interna*, Ano 6, nº1. Lisboa : Banco de Portugal..
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- Diogo Sardinha (2003), *Entre délaissement et radicalisation: les utilisations d'Artaud par Foucault et Deleuze*, in *Colóquio de Cerisy «Antonin Artaud. Questions ouvertes»*, dir. Olivier Penot-Lacassagne, edições Minard (no prelo)
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- Teresa Ventura (2004), "Sistemas e Tecnologias de Informação e Comunicação", Oeiras: CEAGP, INA, Instituto Nacional de Administração (recurso para blended learning).
- João Caraça (2004), "La science entre futur et passé", in *L'empire américain?*, M. Wieviorka (org.), Paris: Éditions Balland.
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- Maria Alfreda Cruz (2005), "Perfil da Política Pública de promoção da Cidadania Activa e Inclusiva", X Congreso Internacional del CLAD sobre la Reforma del Estado y de la Administración Pública, Santiago do Chile, 17-19. 10.
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- Marina Lopéz (2005) "Comercio y multiculturalidad", in *Ventana Interior*, no. 33, Julho-Agosto.
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- Diogo Sardinha (2008), "Réinvention et mort de la subjectivité: De la question du terrorisme à la mésentente entre Deleuze et Foucault", in *Labyrinthe*, n°29, 2008, Paris, p.91-102.
- Stella Lu Lorenz (2008), "Protest am Ende der Welt", in *Zoll+*, Vienna (Austria), n°12/ Junho de 2008





# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## International Colloquia: 1

- **I Colóquio Internacional de Ciência, Ética e Política - Viver na Europa. Filosofia, Ciência e Política. Ontem e Hoje** - em colaboração com o Collège International de Philosophie de Paris, o Instituto de Filosofia da Freie Universität Berlin e o Instituto Franco Português de Lisboa, Instituto Franco-Português, Lisboa, Outubro de 2007.

## Workshops: 1 (first of a series)

- **Technoscience: Epistemological and Sociological Approaches**, joint-organization of the CFCUL and the ICS (Social Sciences Institute), held at the ICS, Univ. of Lisbon, (21/05/2007).





# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Permanent Seminar of Philosophy of Science: 4

- *Foucault e a Filosofia das Ciências no Século XX*, by Roberto Machado (Universidade Federal do Rio de Janeiro) FCUL, 22. 04. 2004, 16h
- *A Controvérsia Jurídica em Confronto com a Controvérsia Científica*, by João Lopes Alves (CFCUL), FCUL, 02.07.2004, 17h *Ciência ou Tecnociência?*, by João Caraça (ISEG/CFCUL, Lisbon), FCUL, 15.12.2004, 18h,
- *Promover o Diálogo entre a Ciência e a Sociedade: Novos Desafios*, by Eduarda Gonçalves (ISCTE, Lisbon), FCUL, 25.05.2006, 18 h
- *De Foucault a Agamben - Trajectória do Conceito de Biopolítica*, by André Duarte (Univ. Fed. Paraná, Brazil), FCUL, 20.11.2006, 18h

## Gymnasia: 5

- *O Corpo à Superfície*, by Teresa Levy (CFCUL, Lisbon), 26.04.2006, 18h, FCUL.
- *A Ética como Desinteresse e Comunicação*, by Rui Pereira (FLUL, Lisbon), 12.07.2006, 18h, FCUL
- *Expertise e Risco Científico*, by Helena Jerónimo (ISEG, Lisbon), 31.01.2007, 18h, FCUL
- *Michel Foucault: o Discurso das Ciências e a Genealogia do Poder*, by José Caselas (FLUL, Lisbon), 29.06.2007, 18h.
- *Pensar a Violência*, by Ester Heuser (UFRGS, Brazil), 4.07.2007, 18h, FCUL.

## Dispersions: 4

- *O Corpo à Superfície* - Teresa Levy (CFCUL), FCUL, 26.04.2006
- *Ciencia y Totalitarismo* - Marina López (Preofessora de Filosofia, Universidad Michoacana de San Nicolás de Hidalgo), FCUL, 28.11.2006
- *El tiempo reversible. Perdón y promesa en Hannah Arendt*, Marina López (Fac. Filosofía, Univ. Michoacana de San Nicolás de Hidalgo, México), 22.11.2007
- *La confluencia de las facultades humanas (en Hannah Arendt)*, por Marina López (Fac. Filosofía, Univ. Michoacana de San Nicolás de Hidalgo, México), FCUL, 5-6.11.2007



# MAIN ACHIEVEMENTS /TEACHING

## Graduate Courses: 1

### Department of Philosophy, University of Lisbon

- *Power. From Ontology to Politics* – by Nuno Nabais, (2003-2007 - 48 h/year)

## Post-graduate Courses: 4

### Master on History and Philosophy of Science, FCUL

- *Science, Ethics and Politics* – by Nuno Nabais (since 2007 - 48 h)
- *Science, Ethics and Politics* – Nuno Nabais, 2005-2006 (15h)
- *Science, Ethics and Politics* – Teresa Levy, 2005-2006 (15h)
- *Science, Ethics and Politics* – Juan Manuel Torres, 2005-2006 (15h)

### Master on Political Science, Catholic University of Lisbon

*The political thinking of J.J.Rousseau* – by João Lopes Alves (2003-2007 - 3h)

### Master on Philosophy of Politics, Fac. of Human and Social Sciences, New University of Lisbon

*International relationships according to John Rawls* – João Lopes Alves - 3h).

### Master on Victimization of children and adolescents, Fac. of Medicine, Lisbon

*Sobre o conceito de disciplina: Hannah Arendt e Michel Foucault* – by Olga Pombo, 2007 (4h)



# MAIN ACHIEVEMENTS / INTERNATIONALIZATION

## Partnerships: 4

- Universidade Humboldt, Alemanha
- Collège International de Philosophie, França
- Univ. Federal Rio Grande do Sul, Brasil
- Universidad Michoacana of San Nicolás de Hidalgo, Mexico

## Visiting CFCUL teachers abroad

- Nuno Nabais has been a Visiting Fellow at the Warwick University, UK, in 2003-2004 (PhD course on "The reception of Nietzsche in the XX Century")

## Foreign visiting fellows at the CFCUL

- Prof. Christian Möckel (Univ. Humboldt, Berlin) - one month as visiting fellow at the CFCUL during 2008

## Post-Doctoral studies abroad

- PhD Diogo Sardinha - Post-doc studies at the Univ. Paris X, with a FCT grant (2006-2009)

## Stages of foreign students at the CFCUL

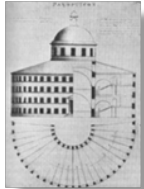
- Ester Heuser (UFRGS, Brazil): visiting PhD student at the CFCUL Mar-Jul 2007 (supervisor: Nuno Nabais).

## International projects

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



# ONGOING AND FUTURE RESEARCH



- **Science, Politics and Biopolitics**



- **Science and Knowledge Society**



- **Science and Gender**



- **Science and Technology**



# ONGOING AND FUTURE RESEARCH

## ■ Science, Politics and Biopolitics

The relevance of the work of Michel Foucault for the understanding of the political frame in actual knowledge programs. From disciplines to political control in life sciences and human sciences.

## ■ Science and Knowledge Society

**The Citizenship Observatory** - to collect and study all the relevant data concerning all the questions around the concept of human capital in the knowledge society. After a first theoretical approach (including a Dictionary of Concepts) and the recollection of data, the group plans to draw up their conclusions in a publication. In order to build up, test and implement this project, CFCUL established a partnership with the Municipality of Montijo, which will provide the facilities and informatic equipment.

**Social Contract and the Knowledge Society** - to study the socio-economical and political kinds of power (from the most institutionalized to the more subtle ones) developing at the Western Societies mainly as a result of all the transformations occurring at the Knowledge Society we live in.

## ■ Science and Gender

Is there a gender difference in the scientific approach to the world? Can we talk about a feminine output in life sciences?

## ■ Science and Technology

Epistemological and Sociological Approaches to Technoscience, in a partnership with the ICS (Social Sciences Institute, Lisbon).



# **FUTURE ACTIVITIES**

- **Publications**
- **Organization of conferences**



## FUTURE ACTIVITIES / PUBLICATIONS

### Books (foreseen): 5

- Clara Queiroz (2008), *Se eu não puder dançar esta não é a minha revolução. Aspectos da vida de Emma Goldman*. Lisboa: Assírio & Alvim (in press).
- Marina López (coord.) (2008), *Republicanos y republicanismos*, Universidad Nacional Autónoma de México y la Universidad Michoacana de San Nicolás de Hidalgo (in press).
- Alfreda Cruz et al., *Science and Knowledge Society*, Philosophy of Sciences Notebooks.
- Teresa Levy, *Homossexualidade e Genetização dos discursos*.
- Raul Boíno, *Abordagem Antropológica Contemporânea à Diversidade do Diálogo Inter-Cultural (por) Entre Arte & Design*.



# FUTURE ACTIVITIES / ORGANIZATION OF CONFERENCES

## International Conferences: 1

- **International Seminar on Science, Ethics and Politics** – Org. Nuno Nabais and Diogo Sardinha. Main topics: Ethic and political foundations of scientific rationality in life sciences. The republicanism of science. Reason and Democracy. Ethics of responsibility in face of the rationality of incertitude. The idea of a deontology of scientific knowledge and the return to the Kantian model in ethics.

## Workshops: 4

- International Workshop **The University Reform** CFCUL, by Christian Moeckel.
- **Epistemological and Sociological Approaches to Technoscience** - a **series of international workshops** to be done in partnership with the ICS (Social Sciences Institute, Lisbon).
- **Social Contract and the Knowledge Society** by Alfreda Cruz **(2 workshops)**.





## *Science and Art*



## BACKGROUND

- "Science and Art" is the CFCUL **newest** Research Group.
- It has been constituted recently, in 2007, as the result of the **confluence of several research interests** coming from:
  - a previous FCT project called *Encyclopaedia and Hypertext*
  - the ongoing internal project on *Bachelard, Science and Poetics*
  - the entrance in the CFCUL of **Cristina Azevedo Tavares**, from the Faculty of Arts of the University of Lisbon, a specialist in Aesthetics, Theory of Art and Contemporary Art;
  - the entrance in the CFCUL of **Carlos Fragateiro**, who has a long research experience on Science and Theater, as Director of the National Theatre D. Maria II and the Theater of the Politechnical School of Lisbon University;
  - the entrance in the CFCUL of the **Catarina Nabais** who has finished a PhD in 2007 at the University of Paris VIII (supervisor: Jacques Rancière) on "Esthétique en tant que Philosophie Naturelle" and who has focused her **post-doc** research on the concept of Image in Science and Art.
- From these convergent interests, **an ambitious project has been shaped** and submitted and approved by FCT: "Image in Art and in Science" (rate: excellent)



# RESEARCH TEAM: 24

## Members (PhD): 7

- Catarina Nabais (*head*)
- António Bracinha Vieira
- Carlos Fragateiro
- Cristina Azevedo
- José Croca
- Nuno Nabais
- Olga Pombo

## Other researchers (PhD): 4

- Jose Felix Costa
- Filomena Molder
- Moura Ramos
- Veronica Fabrini

## Members (non-PhD): 13

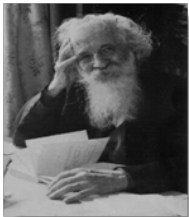
- Alexander Gerner
- Ana Gaspar
- Ana Figueiredo
- Ana Paula Silva
- Cristina Branco
- Davide Scarso
- Golgona Anghel
- João Araújo
- João Cordovil
- Manuel Valente Alves
- Nuno Carvalho
- Patrícia Medeiros
- Teresa Bígio



# ONGOING AND FUTURE RESEARCH



## ■ Image in Science and Art



## ■ Bachelard. Science and Poetics



## ■ Science and Theater



# ONGOING RESEARCH / PROJECTS



## Image in Science and Art (head - Olga Pombo)

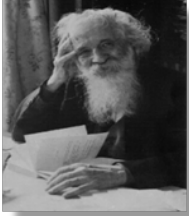
- a largely FCT funded project (*financial support* - 180.000 EUR)
- wide interdisciplinary team
- several partnerships (Fine Arts School of Lisbon, Medicine Museum of Lisbon University, Lisbon's Theatre of Politechnical School, Calouste Gulbenkian Foundation)

### Theoretical program

- to establish the significance of «making an Image» in both Science and Art.
- to make the balance of the most important classical and contemporary contributions for a theory of Image in Science and in Art
- to study the concepts of Image, its aesthetics and epistemological articulations and implications
- to reconstruct the basis of an Ontology of Image that could match the problems and the challenges of contemporary Philosophy, Arts and Sciences
- to answer questions like:
  - ✓ Is it always the same image that is functioning in science and in art?
  - ✓ Is there a difference between scientific and artistic drawings?
  - ✓ Do scientists think the same way as artists?
  - ✓ Is there an internal connection between image and thought or is thought independent of images?



# ONGOING RESEARCH / PROJECTS



## Bachelard. Science and Poetics (head - Olga Pombo)

### This internal project aims

- to study the thought of Bachelard either in his Philosophy of Science and in his Poetics
- to understand in what way these 2 directions of Bachelard's work, although sharing the same idea of truth, do establish a quite complex relationship
- to question the role Psychoanalysis play in the epistemology of Bachelard



# ONGOING RESEARCH / PROJECTS



## Science and Theater (head - Carlos Fragateiro).

This is a **new and innovative area** of research that intends not only to theoretically analyze the concept of representation in theater and its influence on the constitution of science, but also **to disseminate Science to a wider public**;

### We aim

- to understand the connection between Theater and Science, both in its origins in the Greek Culture and in the establishment of a theory of observation.
- to answer questions like:
  - What common meaning crosses the concept of representation in Science and Theatre?
  - What's the connection between Theater and Scientific Theory?



# MAIN ACHIEVEMENTS

- **Thesis**
- **Organization of conferences**
- **Teaching**
- **Internationalization**





## MAIN ACHIEVEMENTS / THESIS

### Post-Doc ongoing: 1

- Catarina P. Nabais Post-doc at the CFCUL (2007-2010)

### PhD thesis completed: 1

- Catarina P. Nabais, *L'Esthétique en tant que Philosophie de la Nature: le Concept de Vie chez Gilles Deleuze. Pour une Théorie Naturelle de l'Expressivité. Regards sur la Littérature* Paris VIII, 2007 (supervisor: Jacques Rancière)

### PhD thesis ongoing: 4

- Ana Figueiredo, *O problema da Cor em Leonardo da Vinci* (supervisors: José Croca e Olga Pombo) (in preparation)
- Cristina Branco, *As teorias das proporções no corpo humano na escultura e na literatura artística impressa na Península Ibérica do séc.XVI ao XIX*" (supervisor: Cristina Azevedo)
- Manuel Valente Alves (supervisor: Filomena Molder)
- Teresa Bigio (in preparation)

### Master thesis completed: 1

- Nuno Carvalho, *Imagem no Cinema segundo Deleuze* (supervisor: Nuno Nabais)

### Master thesis ongoing: 3

- Ana Gaspar, *O lugar da Psicanálise na Obra de Gaston Bachelard* (supervisor: Olga Pombo and José Luís Pio Abreu)
- Flávia Neves, FCSH, Univ. Nova Lisboa (in preparation)
- Joana Mesquita, FCSH, Univ. Nova Lisboa (in preparation)



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

Even if recently constituted, we have already organized :

## International workshops: 3

- *Visual representation in Art and Science*, FCUL (07/11/2007)
- *Diagrams in Logic and Mathematics: Epistemological Questions*, FCUL (14/01/2008)
- *Visual displays of information and the practice of science*, FCUL (15/01/2008)

## National Workshops: 2

- *Art and Science as Creation. About Gaston Bachelard*, FCUL (26/01/2007)
- *The Place of Epistemology and Poetics in Gaston Bachelard*, FCUL (10/12/2007)

## Conferences: 3

- *Leonardo da Vinci. O Estado da Arte*, by Ana Figueiredo, FCUL (23/05/2007)
- *Visão, Imagem, Linguagem e Cognição*, by Francisco Salguero (University of Sevilha, Visiting Prof. at the CFCUL), FCUL (3.12.2007)
- *Diagrammatic Reasoning: Empirical research and theoretical questions*, by Valeria Giardino, FCUL (16.01.2008)



# ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Seminar - Approaches to the concept of Image: 23

- As primeiras imagens, by António Bracinha Vieira (7.05.2007)
- Deleuze e Imagem, by Catarina Pombo (7.05.2007)
- Ilustração científica, by Pedro Salgado (7.05.2007)
- A ciência e a produção das imagens, by José Croca (7.05.2007)
- Comunicação by Cristina Branco (7.05.2007)
- As imagens da arte, by Cristina Azevedo (18.06.2007)
- Paradoxos da imagem, by João Luís Cordovil (18.06.2007)
- A imagem em Aristóteles. O caso da Poética, by Nuno Nabais (18.06.2007)
- A imagem sob influência da droga na Literatura, by Golgona Angel (16.07.2007)
- Notas preliminares acerca de jogos de imagens (Imagens em Pensamento II), by Alexander Gerner (16.07.2007)
- Passagens, o filme da exposição - a arte, a ciência e a moderna museologia, by M. Valente Alves(24.09.2007)
- Desenho Científico e Pensamento Selvagem, by Davide Scarso (8.10.2007)



# ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Seminar - Approaches to the concept of Image: (cont)

- *Genetic Aesthetics: Art emerging from the laboratory* , by Ingeborg Reichle (5.11.2007)
- *Scientific and Artistic Mapping: Exploring the Human Genome Project Across Disciplines*, by Ingeborg Reichle (5.1.2007)
- *Perspectives on Imaging: Visual Practices across the Disciplines* , by Ingeborg Reichle (6.11.2007)
- *Image Science: Dialogues in Art and Science* , by Ingeborg Reichle (6.11.2007)
- *Imagens da Natureza e natureza das imagens: uma perspectiva histórica*, by Palmira Costa (18.02.2008)
- *Humanidade. O Triunfo da Imagem*, by Rodrigo Vilhena (18.02.2008)
- *La búsqueda de Peirce y Frege de una teoría de la inferencia: diagramas versus conceptografía*, by Angel Nepomunceno (Universidade de Sevilha) (10.03. 2008)
- *Aproximações ao diagrama e ao processo do raciocínio diagramático em Peirce*, by Alexander Gerner (10.03.2008)
- *O impacto da Imagem na Geologia* , by Carlos Marques da Silva (7.04.2008)
- *A importância da imagem em Oceanografia*, by Fátima Sousa (7.04.2008)
- *Ilustração científica*, by Pedro Salgado (28.04.2008)



# ACHIEVEMENTS / TEACHING

Our team teaches at

## Post-Graduate courses: 2

- **Master on Artistic Education**, by Cristina Azevedo, Faculty of Arts Univ. Lisbon (2007-2008)
- **Master on Curatorial Studies**, coordination of Cristina Azevedo (with Fernandes Dias), Faculty of Arts Univ. Lisbon in partnership with Gulbenkian (2004-2008)

## Graduate courses: 3

- **Aesthetics**, by Cristina Azevedo, Faculty of Arts Univ. Lisbon (2003-2008)
- **Studies of Art**, by Cristina Azevedo, Faculty of Arts Univ. Lisbon (2003-2008)
- **Theory on the work of the Actor**, by Nuno Nabais, Department of Arts, Univ. Évora (2005-2008)



# ACHIEVEMENTS / INTERNATIONALIZATION

## International Scientific Consultants:

### Project - Image in Science and Art

- Ingeborg Reichle, *task 1 Towards a Philosophy of Image* (5-7.11.2007)
- Valeria Giardino, *task 2 Image and Diagrammatic Thinking* (14-16.01.2008)
- Michael Hoffmann, *task 2 Image and Diagrammatic Thinking* (2-4.06.2008)

### Project - Bachelard. Science and Poetics

- Veronica Fabrini (Art Institute, Unicamp, Brazil), **Post-doc studies completed** in the CFCUL in 2006



# **FUTURE ACTIVITIES**

- **Publications**
- **Organization of conferences**
- **Other initiatives**



# FUTURE ACTIVITIES / PUBLICATIONS

## Project Image in Science and Art

### Books - foreseen: 9

- **On Image. An Anthology**, by Catarina Nabais
- **On Diagrammatic Thinking**, by Olga Pombo and Alexander Gerner
- **On the '*Tratatto della Pittura*' de Leonardo da Vinci**, by Ana Figueiredo
- **The scientific illustration of three Portuguese women**, by Teresa Bígio
- **History of Portuguese Scientific Illustration (XV-XX)**, by Pedro Salgado and Teresa Bígio
- **Museum of Medicine Anatomical Drawings Catalogue**, by Manuel Valente Alves
- **Drawing the Nude**, by Cristina Azevedo
- **The cities, the castels and the wave: Interdisciplinary dialogues between Calvino, Escher and Bohr**, by João Araújo
- **Proceedings** of the International Conference on Image in Science and Art to be held in Lisbon (2010)

## Project Bachelard. Science and Poetics

### Books - in press: 2

- **Bachelard. Epistemologia e Poética**, Caderno de Filosofia da Ciência, (in press)
- **O Lugar da Psicanálise na Epistemologia de Gaston Bachelard**, by Ana Maria Mendes Gaspar





# FUTURE ACTIVITIES / ORGANIZATION OF CONFERENCES

## Project - Image in Science and Art

Several workshops, for instance:

- Thinking the image/Images of Thought
- The "difficult status" of images in science, culture and art"
- From Word Civilization to Image Civilization.
- Neuroesthetics - 3 workshops on the recent developments in the area

One very important international conference

- **CROSSINGS** – (2010): International three days conference, structured around the major themes raised by project research, in particular that of art's transformation into science and science's transformation into art (to be held in Lisbon, at Calouste Gulbenkian Foundation).

## Project - Science and Theater

- National colloquium on "**Science and Theater**" (2009)
- **Theatrical presentation of Plato's "Protagoras"**, in collaboration with the internal project Plato's Protagoras (Unity of Science RG) and Lisbon's Theatre of Politechnical School, at 2009



# FUTURE ACTIVITIES /OTHER INITIATIVES

## Online Museum - Lisbon Centre of Image between Art and Science

- **Online museum** containing hypertexts, images and multimedia in order to publish all project's work-in-progress and offering a forum open to the general public, and a space of discussion to both the scientific and artistic communities.

## Exhibitions

- **Crossings (2010)** - Featuring unpublished materials from the Museum of Medicine and Faculty of Arts, the exhibition will question the relations between science, technology and contemporary art. In an interdisciplinary perspective, the final goal is to explore the borders of art's transformation into science and science's transformation into art.
- **Specific intermediate exhibitions, for instance:**
  - **Two women illustrators** - Seomara da Costa Primo and Teresa Lopes
  - **Scientific Models**
  - **Anatomical Drawings** at the Faculty of Medicine Museum



## FUTURE ACTIVITIES /OTHER INITIATIVES

### Graduate Subject , “ Science and Art “ at the Faculty of Sciences, Lisbon University

- This **new subject** will be offered by Olga Pombo, at the FCUL, from 2008-2009 on

### Laboratory of Scientific Illustration at the Faculty of Sciences, Lisbon University

- to be developed in parallel with the teaching of “Science and Art” subject at the FCUL

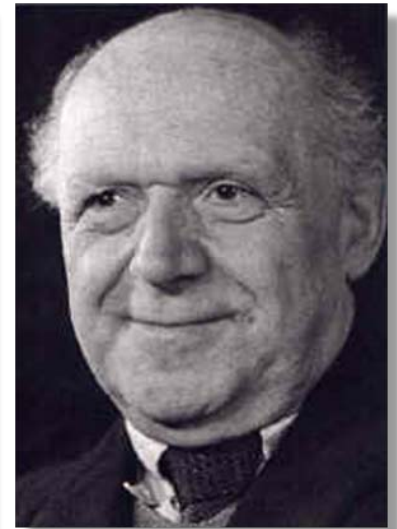


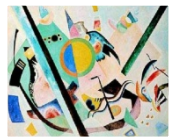
*Unity of Science*



## BACKGROUND

- This RG has also emerged in the context of the **FCT Project "Scientific Culture. Conceptual Migrations and Social Contaminations"**
- Unity of Science is not only one more RG. It is a main determination of the CFCUL which is largely organized on the basis of a **huge conception of science** and of a truly **interdisciplinary team**
- In our view, Unity of Science does not coincide with any strong program, more or less reductionist.
- On the contrary, we look for an approach to Unity of Science in the line of **Leibniz and Neurath Encyclopaedism**





# MAIN OBJECTIVES

- to discover the **main categories** involved in the **Idea of Unity of Science** and to point out its more important theorizations;
- to identify some of the **exemplary programs** of Unity of Science (Bacon, Leibniz, Diderot, Neurath) and to systematically discuss the diversity of ways of conceiving the realization of the Idea of Unity of Science which were proposed in each case;
- to draw up a balance of the materializations which Unity of Science has given rise to, of the institutional structures in which it has been displayed, of the mechanisms which have been put forward aiming at its promotion (1.Scientific Community, 2.School, 3. Museum, 4. Encyclopaedia, and 5. Library)
- **to question the interdisciplinary nature of Science in the XX Century**, to understand its more eloquent manifestations, to study relevant cases of the actual scientific interdisciplinary activity, both in terms of practices, heuristic procedures and institutional structures.
- to look for a **combinatory and plural conception of Unity of Science**, able to thought out the transversal rationality which (today as yesterday; now, perhaps, more than before) links the different disciplines



# RESEARCH TEAM: 17

## PhD Members: 4

- Olga Pombo (*head*)
- João Caraça
- José Croca
- Maria 'Teresa Levy

## Other PhD researchers: 6

- Nuno Nabais
- Raquel Gonçalves Maia
- Marcelo Dascal
- Shahid Rahman
- João Constancio
- Câmara Leme

## Non-PhD Members: 7

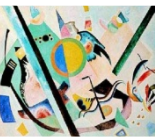
- Jorge Maia
- Luís Bastos
- Manuel Rodrigues
- Patrícia Medeiros
- Ricardo Lopes
- Sofia Raposo
- João Barbosa



# MAIN ACHIEVEMENTS

- **Thesis**
- **Publications**
- **Organization of conferences**
- **Teaching**
- **Internationalization**





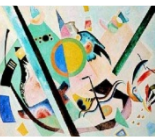
# MAIN ACHIEVEMENTS / THESIS

## Master thesis on going: 4

- Ricardo André Lopes, *As Figuras da Verdade na Epistemologia do Século XX*, Lisbon Fac. of Sciences (Master in History and Philosophy of Sciences, Lisbon Fac. of Sciences, supervisor: Olga Pombo)
- Sofia Raposo, *A relação entre a História e a Filosofia das Ciências em Georges Canguilhem e Thomas Kuhn* (Master in History and Philosophy of Sciences, Lisbon Fac. of Sciences, supervisor: Olga Pombo).
- Isabel Coentro, *O Estatuto Epistemológico da Psicologia* (Master in History and Philosophy of Sciences, Lisbon Fac. of Sciences, supervisor: Olga Pombo (in preparation))
- Ricardo Julião, (Master in History and Philosophy of Sciences, Lisbon Fac. of Sciences, supervisor: Olga Pombo (in preparation))

## PhD Thesis ongoing: 2

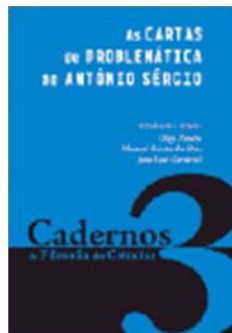
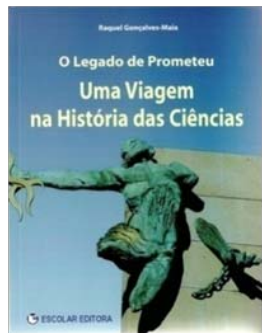
- João Barbosa, *Funcionalidade dos modelos na comunicação do saber científico. Conceito, imagem e palavra em alguns modelos físicos*, (PhD in History and Philosophy of Sciences, supervisor: Olga Pombo)
- Cláudia Ribeiro, *O Problema do Realismo em Popper*, (PhD in History and Philosophy of Sciences, supervisor: Olga Pombo)

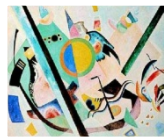


# MAIN ACHIEVEMENTS / PUBLICATIONS

## Books: 10

- João Caraça (2003), *Do saber ao fazer: porquê organizar a ciência*, 2ª edição revista e aumentada, Gradiva, Lisboa 2003.
- João Barbosa (2004), *Ciência Para Quê? O Velho Sonho de Bacon e Descartes*, Apenas Livros, Lisboa
- Pombo, O. (2004), *Interdisciplinaridade: Ambições e Limites*, Lisboa: Relógio d'Água, 203 pp.
- Gonçalves-Maia, R. (2005), *O Legado de Prometeu - Uma Viagem na História das Ciências*, Escolar Editora, Lisboa
- Pombo, O., Guimarães, H. & Levy, T. (orgs.) (2006), *Interdisciplinaridade. Antologia*, Porto: Campo das Letras, Col. Campo das Ciências 16, 303 pags.
- Pombo, O., Guerreiro, A. & Alexandre, A. F. (orgs.) (2006), *Enciclopédia e Hipertexto*, Lisboa: Duarte Reis, 556 pp.
- Pombo, O. (2006), *Unidade da Ciência. Programas, Figuras e Metáforas*, Lisboa: Editora Duarte Reis, 324 pp.
- Olga Pombo com Beirão, M.; Cordovil, J. (introd. and org.), (2006), *As Cartas de Problemática de António Sérgio, 3º Caderno de Filosofia das Ciências*, Lisboa: CFCUL, 217 pp.
- Gonçalves-Maia, R. (2006), Translation of L. Gonick e C. Criddle, *A Química em Banda Desenhada*, Gradiva, Lisboa.
- Olga Pombo, Shahid Rahman, John Symon and Juan Manuel Torres (eds.), *Unity of Science. Essays in honour of Otto Neurath*, Springer/Kluwer, 2008 (in press)





# MAIN ACHIEVEMENTS / PUBLICATIONS

## Book Chapters: 16

- João Caraça (2003), "Um discurso sobre as ciências passadas e presentes", in *Conhecimento prudente para uma vida decente*, B.S. Santos (org.), Edições Afrontamento, Porto 2003.
- Olga Pombo (2003), "O Insuportável Brilho da Escola", in Alain Renaut et alii, *Direitos e Responsabilidades na Sociedade Educativa*, Lisboa: Fundação Calouste Gulbenkian, pp. 31-59.
- Olga Pombo - (2004), "Epistemologia da Interdisciplinaridade", in Carlos Pimenta (coord.), *Interdisciplinaridade, Humanismo e Universidade*, Porto: Campo das Letras, pp. 93-124.
- Olga Pombo (2005), "Clássicos: inevitáveis!", in *Bloco de Nautas*. XVI Encontro de Literatura para Crianças, Lisboa: Fundação Calouste Gulbenkian, pp.149-185.
- João Caraça (2005), "A insustentável leveza do saber", in *Despertar para a Ciência ? As conferências de 2003*, Gradiva, Lisboa 2005.
- Juan Manuel Torres (2005), "Determinismo e indeterminismo en la filosofía de K. Popper", in *Simposio sobre Determinismo e Indeterminismo*, Universidade de Lisboa, Lisboa, Março de 2005.
- Maria Teresa Levy (2006) "Totalidade e fragmentos", in Olga Pombo et al. *Enciclopédia e Hipertexto*. Lisboa. Edições Duarte Reis
- Manuel Beirão dos Reis (2006) "Uma leitura das 'Cartas de Problemática' de António Sérgio", in Olga Pombo com Beirão, M.; Cordovil, J.(introd. and org.), *As Cartas de Problemática* de António Sérgio, 3º Caderno de Filosofia das Ciências, Lisboa: CFCUL, pp. 125-170.



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Book Chapters (cont.):

- Olga Pombo (2006), "Enciclopédia e Hipertexto. O Projecto", in *Enciclopédia e Hipertexto*, co editado com A. Guerreiro e A. Franco Alexandre, Lisboa: Editora Duarte Reis, pp.180-193.
- Olga Pombo (2006), "Para uma História da Ideia de Enciclopédia", in *Enciclopédia e Hipertexto*, co-editado com A. Guerreiro e A. Franco Alexandre, Lisboa: Editora Duarte Reis, pp.194-251.
- Olga Pombo (2006), "Leibniz and the Encyclopaedic project", in *Enciclopédia e Hipertexto*, co-editado com A. Guerreiro e A. Franco Alexandre, Lisboa: Editora Duarte Reis, pp.252-265.
- Olga Pombo (2006), "O Hipertexto como Limite da Ideia de Enciclopédia", in *Enciclopédia e Hipertexto*, co-editado com A. Guerreiro e A. Franco Alexandre, Lisboa: Editora Duarte Reis, pp.266-301.
- Serhii Wakúlenko (2006), "Enciclopedismo e hipertextualidade nos *Commentarii Collegii Conimbriensis in Universam Dialecticam Aristotelis Stagiritæ* (Coimbra 1606)", in Olga Pombo, A. Guerreiro & A. Franco Alexandre (eds.), *Enciclopédia e Hipertexto*, Lisboa: Editora Duarte Reis, pp. 302-357.
- Olga Pombo (2006), "A Ciência e as Ciências", in *Encontro de Saberes*, Lisboa: Fundação Calouste Gulbenkian, pp. 515-532.
- Diogo Sardinha (2006), "Les études philosophiques", Jan. de 2006, Paris, PUF, pp. 121-125 (estudos críticos)
- Juan Manuel Torres (2007), "Prefacio al libro: "El realismo de Frege" por el Dr. Juan Ernesto Calderón, in *Editorial de la Universidad nacional de Cuyo*, ISBN 978-950-774-130-5. pp. 5-9.



# MAIN ACHIEVEMENTS / PUBLICATIONS

## Articles: 12

- Isabel Serra com A. Pereira e N. Pericho (2003), "O Valor da Ciência na Divulgação Científica", in *A Comunicação Pública da Ciência*, Cabral Ed. e Livraria Universitária, pp. 149-159.
- Olga Pombo (2003), "O Insuportável Brilho da Escola", in Alain Renaut et alii, *Direitos e Responsabilidades na Sociedade Educativa*, Lisboa: Fundação Calouste Gulbenkian, pp. 31-59.
- João Caraça (2004), "The globalisation of knowledge: why trees become networks", in *Foresight*, vol. 6, nº1, 2004, p.10-12.
- Maria de Paz (2004), "La reina de todas las ciencias. Sobre los sentidos de 'metafísica' en los prólogos de la Crítica de la Razón Pura", in *Cuadernos de Anuario Filosófico*, nº 174, pp.11-19.
- Olga Pombo (2005), "Interdisciplinaridade e Integração dos saberes", in LIINC. Laboratório Interdisciplinar sobre Informação e Conhecimento, Vol.1, nº.0 (Março), p. 4-16.(pdf)
- Isabel Serra, com Bragança Gil e Nuno Peirico (2005), "Cyrillo Soares e a Ciência em Portugal", in *Anais da Rede de Intercâmbios para a História e Epistemologia das Ciências Químicas e Biológicas*, S. Paulo, pp. 76-87
- João Caraça (2005), "O segredo da ciência", in *Sigila* nº15, printemps-été 2005, p.201-207.
- Serhii Wakúlenko (2005), "As fontes dos *Commentarii Collegii Conimbricensis e Societate Iesu in Universam Dialecticam Aristotelis Stagiritæ* (Coimbra 1606)". *Filosofica* 26: *Aristóteles em Contexto*, 229-262.
- Serhii Wakúlenko (2006), "Projecção da Filosofia Escolástica Portuguesa na Polónia Seiscentista", in *Revista Filosófica de Coimbra*, 15/30, 343-381.
- Olga Pombo (2006), "Práticas Interdisciplinares", in *Sociologias, Revista do Instituto de Filosofia e Ciências Humanas*, Universidade Federal do Rio Grande do Sul, Brasil, VIII, nº 15, pp. 208-249
- Raquel Gonçalves-Maia (2006), "Divulgação e Ensino da Ciência - O papel do livro", in *Revue*, 6, 12.
- Marina Lopez (2007), "Olga Pombo, Unidade da Ciência. Programas, Figuras e Metáforas", (recensão), in *Devenires*, vol. VIII, Julho (2007), 192-197
- Olga Pombo (2007), "A Escola como Memória do Futuro", in *Revista Convergência Lusíada, Brasil*, número Especial. Centenário de Agostinho da Silva (1906-2006), pp.281-291.



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## International colloquia: 5

- **First Lisbon Colloquium for the Philosophy of Science - Unity of Science. Non-Traditional Approaches**, Trindade Theatre, Lisbon (25-28.10.2006), Organization: CFCUL, University of Texas, El Paso (EUA), Research Centre UMR 8163 "La Science et ses Contextes", Lille III, France) Support: Institut Franco Portugais, Calouste Gulbenkian Foundation, FCT/FACC, Springer - Epistemology Publishers and the International Journal "Synthese"
- **Jornadas Ibéricas I - Encontros Ibericos sobre Logica y Filosofia de las Ciencias**, realized at the University of Seville, Spain (19.03.2007) Organization: CFCUL with the collaboration of the University of Sevilha.
- **Jornadas Ibericas II - Logica y Filosofia de las Ciencias** realized at the FCUL, realized at CFCUL, Portugal (8.05.2007) Organization: CFCUL with the collaboration of the University of Sevilha.
- **Jornadas Ibericas III - Logica y Filosofia de las Ciencias** realized at the FCUL, realized at CFCUL, Portugal (27, 28, 29. 02. 2008) Organization: CFCUL with the collaboration of the University of Sevilha
- **I Colóquio Luso-Brasileiro Leibniz**, realized at Rio de Janeiro, Brasil (21-23.11.2007) Organization: PUC-Rio de Janeiro, UERJ-Rio de Janeiro and CFCUL



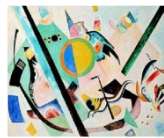
# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## National colloquia: 1

- **O Curso Conimbricense e a sua Tradição. Jornadas de Estudo**, realized at the Lisbon Science Museum, Anfiteatro Manuel Valadares, (7.04.2006) organized by the CFCUL with the collaboration of Centro de História das Ciências da Universidade de Lisboa

## Workshops: 2

- **Two Philosophers of Science**, realized at the FCUL (8-9.06.2005)
- **Como Pensar as Relações entre a História e a Filosofia das Ciências?**, realized at the FCUL (21.06.2006)



# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Permanent Seminary Philosophy of Science: 9

- *Epistemologia e Retórica I*, by Prof. Marcelo Dascal (Tel-Aviv University, Israel), at FCUL, (05/05/2004)
- *Epistemologia e Retórica II*, by Prof. Marcelo Dascal (Tel-Aviv University, Israel), at FCUL, (02/06/2004)
- *A Forma Interna: Um Conceito Interdisciplinar*, by Prof. Serhii Wakulenko (University Kharkiv), realized at the FCUL, (20.04.2005)
- *Minimal Naturalism*, by Prof. Daniel Andler (Sorbonne), realized at the FCUL (9.06.2005)
- *Bases Conceptuais da Génese dos Museus de Ciência: Museologia do Objecto e Museologia das Ideias*, by Prof. Bragança Gil (Universidade de Lisboa), realized at the FCUL (14.12.2005)
- *Leibniz X Locke: Uma Controvérsia Epistemológica Profunda sem Diálogo Aparente*, by Prof. Marcelo Dascal (University Tel Aviv), realized at the FCUL (08. 02. 2006)
- *O Papel dos experimentos de Pensamento em Ciência e em Filosofia*, by Prof. Hermínio Martins (Emeritus Fellow, St. Anthony's College, Oxford University), realized at the FCUL, (3. 10. 2007)
- *Analogía y semejanza en la representación e identificación de los conceptos teóricos*, by Francisco J. Salguero (Universidad de Sevilla, Espanha), realized at the FCUL, (14.11.2007)
- *De la Logica del lenguaje à la linguagem de la Logica* - by Angel Nepomuceno (Universidad Sevilla), realized at the FCUL, (5. 03.2008)





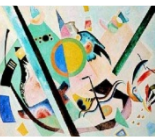
# MAIN ACHIEVEMENTS / ORGANIZATION OF CONFERENCES

## Gymnasia: 2

- **Debates Contemporâneos na Investigação Epistemológica**, by Ricardo Lopes (CFCUL), realized at the FCUL, (6.06.2007).
- **O Problema da Fundamentação do Conhecimento em Popper**, by Rémi Schorn (Pontifícia Universidade Católica do Rio Grande do Sul (PUC-RS, Brasil), realised at the FCUL (20.06.2007).

## Invited Talks: 69

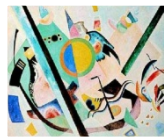
- 9 international invited talks;
- 28 national invited talks;
- 19 accepted communications to colloquia;
- 13 other talks;



# MAIN ACHIEVEMENTS / INTERNATIONALIZATION

## International Projects: 5

- **Universal Logic and the Unity of Science**, joint research project by the CFCUL and the Grupo de Lógica, Lenguaje e Información, University of Sevilla, sponsored by the Rectorat Council of the Portuguese Universities (heads - Olga Pombo and Angel Nepomuceno).
- **La Contextualization des Catégories de la Pensée Scientifique** (head - Shahid Rahman, Univ. Lille III, France).
- **Le Rôle de la Micro-Histoire** (head - Shahid Rahman, Lille III, France).
- **SIPS, Système d'Information en Philosophie des Sciences, 3 UMR de Philosophie des Sciences**, IHPST / CNRS, França (head - Thierry Martin) This project aims at building a comprehensive paneuropean database on all the issues, themes and publications concerning the immense field of research of the Philosophy of Sciences.
- **MINTRA - Aesthetics, Normative and Epistemological Aspects of Interdisciplinarity**, Universidade de Bergen - Centre for the Study of the Sciences and the Humanities, Noruega, (head - Rasmus Tore Slaattelid ).



# MAIN ACHIEVEMENTS / INTERNATIONALIZATION

## Foreign visiting fellows: 3

- **Marcelo Dascal** (Tel Aviv University, Israel) Gulbenkian Professorship for the Master in History and Philosophy of Sciences - FCUL (2003-2004)
- **Fancisco Salguero** (Grupo de Lógica, Lenguaje e Información, Universidad de Sevilla, Spain) - sabatic period at the CFCUL (October- December, 2007)
- **Angel Nepomuceno** (Grupo de Lógica, Lenguaje e Información, Universidad de Sevilla, Spain) - sabatic period at the CFCUL (January-March, 2008)

## Stages of foreign Phd students: 3

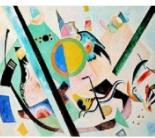
- **Remi Schorn** (PUC-RS-Brasil), (6 months 2007)
- **Silvia Meirelles** (UFGRGS - PA- Brasil) (6 months 2007)
- **Roseli Hickmann** (UFRGS - Brasil) (Maio de 2007 - Agosto 2007)



# ONGOING AND FUTURE RESEARCH

## Unity of science

- Olga Pombo will continue her research on Unity of Science by giving special attention to **Leibniz and Neurath's conception of encyclopaedia as the "model" for Unity of Science.**
- Olga Pombo and Rasmus Tore Slaattelid will work on the **interdisciplinarity**, both as a main determination of contemporary science and in the context of the relationship of Science with Art and Law **International research project MINTRA** - Aesthetics, Normative and Epistemological Aspects of Interdisciplinarity, Univ. Bergen – Norway



# ONGOING AND FUTURE RESEARCH



## Universal Logic and the Unity of Science

Portuguese and Spanish Rectorate Council project (2007-2009)

joint research project by the CFCUL and the Grupo de Lógica, Lenguaje e Información, University of Sevilla

Angel Nepomuceno, Francisco Salguero and Olga Pombo will go on doing research on Universal Logics and Unity of Science



## Plato's "Protagoras"

Internal project

- to look for the cognitive, communicative and political mechanisms which are at the basis of the simultaneous invention of science and school in Ancient Greece
- to clarify the nature of the new discursive practices responsible for the constitution of a scientific community
- to built an Hypertextual version of the dialogue with diverse kind of containing internal coments and external, contextual links



# **FUTURE ACTIVITIES**

- **Publications**
- **Organization of conferences**



## FUTURE ACTIVITIES / PUBLICATIONS

### Books (foreseen): 8

- Pombo, O., Rahman, S., Torres, J.M., Symon, J., (edr.) (2008). **Unity of Science. Non-Traditional Approaches**, proceedings of the First Lisbon Colloquium for the Philosophy of Science (in press)
- Nepomuceno, A., Pombo, O., (orgs), **Universal Logic and the Unity of Science (2 volumes)**
- Remi Schorn (2008). **Crítica E Coerência em Karl Popper**, Lisboa: CFCUL (in press)
- Gonçalves, R. (2008). **Profiles of Contemporary Science**, (commercial edition)
- Pombo, O. (2008). **Os Círculos do Saber** (commercial edition).
- Pombo, O. (2008). **Estudos sobre Leibniz**, Lisboa: CFCUL (no prelo)
- Pombo, O. et alii (2009). **Essays on Protagoras**. (Commercial edition).
- Pombo, O. et alii (2009). **CDROM - Hypertextual Protagoras**. (Commercial edition).

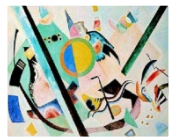
### Translations (in press): 2

- Pombo, O., Medeiros, P. (2009). **Entre Saberes** (translation with introduction and notes).
- Gonçalves-Maia, R. (2008). Translation of M.S. Bell, **Lavoisier no Ano Um. O Nascimento de uma Nova Ciência numa Época de Revolução**, Gradiva, Lisboa (in press).



- **III Edition of Epistemological Perspectives on Simulation (EPOS)**, international forum which brings together researchers in social sciences and philosophy of sciences, ISCTE, with the collaboration of the CFCUL (2-3 October, 2008)
  - **Jornadas Ibericas IV** - Logica y Filosofia de las Ciencias (November, 2008)
  - **Jornadas Ibericas V** - Logica y Filosofia de las Ciencias (2009)
  - **Jornadas Ibericas VI** - Logica y Filosofia de las Ciencias (2010)
  - **2nd "Lisbon Colloquium for the Philosophy of Science - Leibniz in the XXI century"**, will be organized by the CFCUL intending to stimulate and debate new approaches to Leibniz Studies (2009)
- 





## Before ending the presentation of this RG

let me call your attention to the transversal character of the **Unity of Science** within our Unit

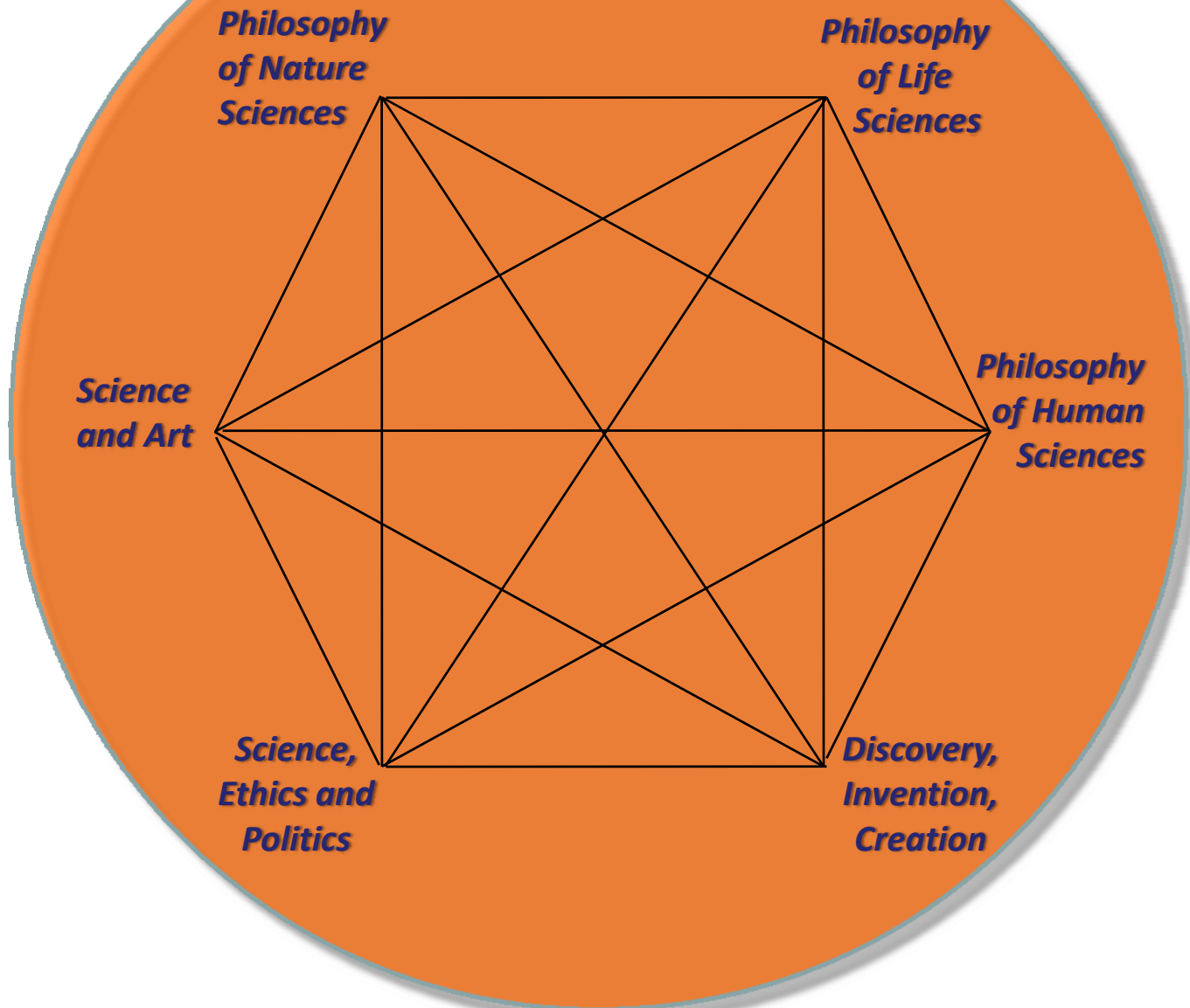
**Unity of Science is a tendency which crosses all the other RGs**

- we saw it in Physics (the work on the unifying principle of Eurithmy, RG1)
- we saw it in the relevance given to the discovery procedures (abduction, invention, intuition) which cross all scientific activity (RG 4)
- we saw it in the very arrangement of our RG intending to cover the main scientific disciplines, from Nature Sciences (RG1) to Life sciences (RG2), from Human Sciences (RG3) to Mathematics (RG4)

**Also, it is the idea of Unity of Science which is in the basis of our interest for the exterior domains to which Science is articulated**

- Science and ethics (RG5)
- Science and politics (RG5)
- Science and art (RG6)

# ***Unity of Science***





*Center for Philosophy of Sciences  
of the University of Lisbon*



# DEPARTMENT OF HISTORY AND PHILOSOPHY OF SCIENCE

## HISTORY AND PHILOSOPHY DEPARTAMENT

(head: Olga Pombo)

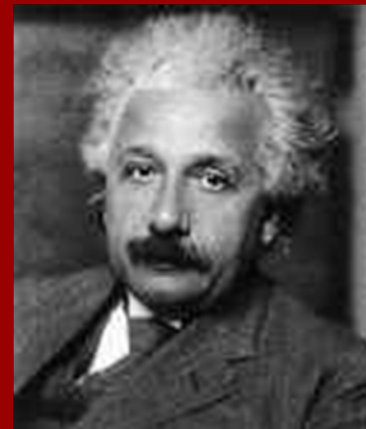
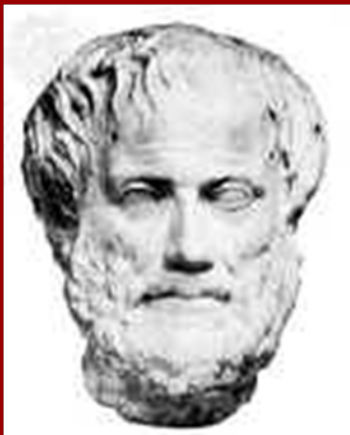


- The SAHFC is a new Department of the FCUL
- It was created in 2007
- With another FCT Unit (Center of History of Science)
- Dedicated to graduate and post-graduated teaching on History and Philosophy of Science.
- It includes 8 regular professors (+ 4 invited Prof. 2007-2008)
- Organized according to the Bologna Scheme, it offers:
  - **Minor** in HPS (8 courses for all the students in the FCUL)
  - **Master** in HPS (2nd Cycle)
  - **Doctoral program** in HPS (3rd Cycle)



# MASTER IN HISTORY AND PHILOSOPHY OF SCIENCE

## Master in History and Philosophy of Science



Department of History and Philosophy of Science of the FCUL

The only master in Portugal exclusively dedicated to History and Philosophy of Science

since 2003-2004



# MASTER IN LOGICS, EPISTEMOLOGY AND PHILOSOPHY OF SCIENCE

## Maîtrise Conjointe - Univ. Lisboa / Univ. Lille





# PRIZES



- **Santilli-Galilei 2008 Gold Medal**



- ***Prize FIR 2008***



***José Croca***



# CENTER FOR PHILOSOPHY OF SCIENCES OF THE UNIVERSITY OF LISBON



## Creation and maintainance of a Webpage:

Wide audience:  
300.000 visitors until now

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