

**Franco-Mexican Advanced Seminar in History and Philosophy of Science
Paris, June 21st-23rd, 2016**

Institutional partners:

- México: Universidad Nacional Autónoma de México (UNAM), Facultad de Ciencias; Universidad Autónoma Metropolitana (UAM), Departamento de Filosofía.
- France: Université Paris 1 Panthéon-Sorbonne, IHPST, École Doctorale de Philosophie; Université Paris-Diderot, SPHERE; Université de Nantes, Departamento de Filosofía Departamento de Filosofía Departamento de Filosofía , CAPHI, Centre François Viète d'Histoire et Philosophie des Sciences.

37 participants:

Université Paris 1 Panthéon - Sorbonne

- 9 PhD students: Nicola Bertoldi (IHPST), Cécilia Bognon (IHPST), Sébastien Dutreuil (IHPST), Jean Hache (CETCOPRA), Marina Imocrante (IHPST), Ekaterina Kubyshkina (IHPST), Victor Lefevre (IHPST), Gaëlle Pontarotti (IHPST), David Waszek (IHPST).
- 4 professors: Hourya Bénis-Sinaceur (DR CNRS, IHPST) Michel Bourdeau (DR CNRS, IHPST), Jean Gayon (PR, IHPST), Marco Panza (DR CNRS, IHPST).

Université Paris-Diderot

- 4 PhD students: Pascal Bertin (SPHERE), João Cortese (SPHERE), Davide Crippa (SPHERE), Simon Decaens (SPHERE).
- 3 professors: Pascal Crozet (DR, CNRS, SPHERE), David Rabouin (CR, CNRS, SPHERE).

Université de Nantes

- 2 PhD students: Delphine Toquet (CAPHI), Mathieu Gibier (CAPHI).
- 2 professors: Vincent Jullien (Département de Philosophie), Stéphane Tirard (Directeur du Centre Viète).

Universidad Nacional Autónoma de México (UNAM)

- 4 PhD students: José Antonio Alonso (Facultad de Ciencias), Francisco Barrios (Facultad de Ciencias), Erica Torrens (Facultad de Ciencias), Juan Manuel Rodríguez (Facultad de Ciencias).
- 4 professors: Carlos Alvarez (Facultad de Ciencias), Ana Barahona (Facultad de Ciencias), Carmen Martínez-Adame (Facultad de Ciencias), Rosaura Ruiz (Facultad de Ciencias).

Universidad Autónoma Metropolitana (UAM)

- 2 PhD students: María de Lourdes Ramírez-Argonza (Departamento de Filosofía), Dairon Alfonso Rodríguez-Ramírez (Departamento de Filosofía).
- 2 professors: Max Fernández de Castro (Departamento de Filosofía), Jorge Martínez-Contreras (Departamento de Filosofía), Ricardo Noguera (Facultad de Ciencias).

EHESS

- 1 professor: Jean Dhombres.

Program 2016

June 21, 2016 (Tuesday)

Venue: Paris-Diderot University, salle Luc Valentin

8h50 - 9h00

Opening by the organizers (Pdt: Michel Bourdeau)

Session 1 - History and Philosophy of Mathematics
Pdt: Michel Bourdeau (Paris 1)

9h00 - 09h40

Carlos Alvarez (UNAM)

Three moments in the junction of algebra and geometry

9h40 - 10h20

Simon Decaens (Paris 7)

Abstraction and its roles in the development of lattice theory in the 1930s

10h20 - 10h50 : Coffee break

10h50 - 11h30

Francisco Barrios (UNAM)

Newton's vision of Modern and Ancient Analysis

11h30 - 12h10

Mathieu Gibier (Nantes)

La mesure des puissances dans le Phoronomus de Leibniz : une réminiscence du Ménon ?

12h10-12h40

Marco Panza (Paris 1)

Comments and discussion

12h40 – 14h: Lunch

Session 2 - History and Philosophy of Biomedical Sciences

Pdt: Maria de Lourdes Ramirez-Argonza (UNAM)

14h - 14h40

Rosaura Ruiz, Ricardo Noguera, Juan Manuel Rodríguez (UNAM)

French Materialism in a Mexican Revolutionary: Ricardo Flores Magón

14h40 – 15h20

Cécilia Bognon (Paris 1)

From non-living to living matter at the turn of the 19th century

15h20-15h50: Coffee break

15h50 - 16h30

Ana Barahona (UNAM)

New Trends in the Historiography of the Natural Sciences

16h30 – 17h10

Gaëlle Pontarotti (Paris 1)

A new insight into the question of gene-culture coevolution

17h10-17h40

Stéphane Tirard (Nantes)

Comments and discussion

18h Social event (cocktail at Paris-Diderot University)

June 22, 2016 (Wednesday)

Venue: Paris-Diderot University, salle Luc Valentin

Session 3 - History and Philosophy of Mathematics

Pdt: Pascal Crozet

9h00 - 9h40

Jean Dhombres (EHESS)

A dialog between history and philosophy of mathematics

9h40 - 10h20

Max Fernández de Castro (UAM)

Hilbert's finitist reasoning

10h20 - 10h50: Coffee break

10h50 - 11h30

Marina Imocrante (Paris 1)

Mathematical structuralism and applicability

11h30 - 12h00

Hourya Bénis-Sinaceur (Paris 1)

Comments and discussion

12h00 - 13h30: Lunch

Session 4 - History and Philosophy of Biomedical Sciences

Pdt: Ana Barahona (UNAM)

13h30 - 14h10

María de Lourdes Ramírez-Argonza (UAM)

Consciousness and evolution

14h10 - 14h50

Dairon Alfonso Rodríguez-Ramírez (UAM)

Pongid's comparative psychology

14h50 - 15h20: Coffee break

15h20 - 16h00

Jorge Martínez-Contreras (UAM)

Reflexion and evolution

16h-16h40

Juan Manuel Rodríguez Caso (UNAM)

Historicising humans in the country and overseas: Alfred Russel Wallace, natural selection and human origins

16h40 - 17h10

Jean Gayon (Paris 1)

Comments and discussion

19h30 Conference dinner (Restaurant "Bouillon Racine")

June 23, 2016 (Thursday)

Venue: Paris 1 Panthéon-Sorbonne, IHPST

Session 5 - History and Philosophy of Mathematics
Pdt: Carlos Alvarez (UNAM)

9h00 - 9h40

Marco Panza (Paris 1) and Vincent Jullien (Nantes)
On Seventeenth-Century Indivisibles

9h40 - 10h20

Delphine Toquet (Nantes)
Francis Bacon's role in the French Scientific Revolution

10h20 - 10h50: Coffee break

10h50 - 11h30

Carmen Martínez-Adame (UNAM)
Pathological Objects in Mathematical Analysis

11h30 - 12h10

David Rabouin (Paris 7) and David Waszek (Paris 1)
On the graphic-linguistic distinction in mathematics

12h10 - 12h40

João Cortese (Paris 7) and Pascal Bertin (Paris 7)
Comments and discussion

12h40 - 14h: Lunch

Session 6 - History and Philosophy of Biomedical Sciences
Pdt: Jean Hache (Paris 1)

14h - 14h40

Erica Torrens (UNAM)
Images of power and ideology: representation of human evolution in Mexican popular visual culture

14h40 - 15h20

Sébastien Dutreuil (Paris 1)
Gaïa: hypothesis, research program or natural philosophy?

15h20 - 15h50: Coffee break

15h50 - 16h30

José Antonio Alonso (UNAM)
Niche construction theory as a model to interpret bioethical issues in modern-life environments

16h30 - 17h

Victor Lefèvre (Paris 1)
Comments and discussion

17h30 End of the conference - Social event (cocktail)

Conference report: Nicola Bertoldi (Paris 1), João Cortese (Paris 7), Ekaterina Kubyskhina (Paris 1), Victor Lefèvre (Paris 1), María de Lourdes Ramírez-Argonza (UAM).

