

IAS-IHPST WORKSHOP

BOUNDARIES AND LEVELS OF BIOLOGICAL ORGANIZATION

The *IAS-Research Centre for Life Mind and Society* of the University of the Basque Country (EHU/UPV) in collaboration with the *Institut d'Histoire et de Philosophie des Sciences et des Techniques (IHPST)* of the University Paris 1 Panthéon Sorbonne École Normale Supérieure and CNRS will be hosting an international workshop in Philosophy of Biology.

The workshop will discuss the notion of biological organization from a systemic-perspective. In particular it will focus on its intrinsic hierarchical dimension, and on the role organization plays in the understanding of the transition from pre-biotic to minimal living systems and of more complex forms of biological, cognitive and ecological systems.

Dates: July 1-2 2014

Venue: Room B1 - Centro Carlos Santamaria, Universidad del Pais Vasco (EHU/UPV) Campus de Guipuzkoa

Webpage: <http://ias-ihpst.ias-research.net/>

For more detailed information please contact the organisers [Leonardo Bich](#) and [Maël Montevil](#).

No registration and no fees are needed for attending the workshop. Access is free to everybody in the academic community interested in the topics of the workshop. If you intend to come, please send an email to leonardo[dot]bich[at]ehu[dot]es so that we can facilitate your entrance into the building.

PROGRAM

TUESDAY 1st of JULY

10:00 - 10:15

Opening

Session 1

10:15 - 11:15

Hierarchical thinking in organicist and systems biology

Jon Umerez

IAS/Universidad del País Vasco

11:15 - 11:40

Coffee break and collaboration proposals

11:40 - 12:40

Levels, orders and boundaries: a look into the architecture of biological organization

Matteo Mossio

IHPST/Paris 1 Panthéon Sorbonne

12:40 - 14:30

Lunch break

Session 2

14:30 - 15:30

Protocellular autonomy: getting organized through the construction of open boundaries

Kepa Ruiz Mirazo

IAS/Universidad del País Vasco

15:30 - 15:40

Break

15:40 - 16:40

Heredity and organization

Gaëlle Pontarotti, with commentaries by Francesca Merlin

IHPST/Paris 1 Panthéon Sorbonne

WEDNESDAY 2nd of JULY

Session 3

10:00 - 11:00

Teleology as a method

Nicole Perret

ENS

11:00 - 11:40

Coffee break and collaboration proposals

11:40 - 12:40

Failed intentions, or why adaptive behavior is not sufficient for cognition

Xabier Barandiaran

IAS/Universidad del País Vasco

12:40 - 14:30

Lunch Break

Session 4

14:30 - 15:30

On the origin of autonomy: from chemical to biological organisation

Alvaro Moreno

IAS /Universidad del País Vasco

15.30 - 15:40

Break

15.40 - 16:40

Gaïa: what was it *about*?

Sebastien Dutreuil

IHPST/Paris 1 Panthéon Sorbonne

16: 40 - 16:50

Closing remarks