

**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](mailto:leonardo[at]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 Pais 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**