

ISHPSSB2013 – Interdisciplinary Session Form

Please fill in this form, rename it (on the following model: Name of the organizer_Title of session), and submit it as a PDF file at the Third step ("Files") of the submission process (please select "Presentation" as the "Type of the file").

Title of the session (mandatory): From Neurons to Knowledge

Organizer of the session (may but need not be a participant in the session) (mandatory):
Isabella Sarto-Jackson

Names of all the participants in the session (mandatory):

Daniel Brooks, Elisa Frasnelli, Paola Hernandez Chavez, Isabella Sarto-Jackson, Katherina Zakravsky

Name of two Chairpersons, coming from different disciplines (mandatory) (cannot be participants in the session):

Robert C. Richardson
Christopher A. Shaw
Fred Keijzer

Names of respondents or commentators (if any):

Maybe one of the chairs Christopher A. Shaw will give a commentary

Themes of your session (please pick two themes in the list below) (mandatory):

Neurosciences and cognitive sciences: scientific, social, and philosophical issues
Reductionism, antireductionism, emergence

List of themes:

- Anthropology
- Cellular and Molecular Biology: Historical and Philosophical Approaches
- Development and Evo-devo
- Ethical and bioethical issues
- Evolutionary Biology: Origin, and early developments
- Evolutionary Biology: The Modern Synthesis
- Evolutionary Biology: The recent challenges
- Evolutionary Biology: Theoretical and conceptual issues (e.g. definition of Darwinian processes, levels of selection, etc.)
- Evolutionary Biology: Cooperation, altruism, evolution and economy
- Evolutionary Psychology
- Functions and Mechanisms
- Gender Studies
- Historical, philosophical and sociological perspectives on:
 - Ecology
 - Epigenetics
 - Origins of life, minimal life
 - History of Genetics

- Neurosciences and cognitive sciences: scientific, social, and philosophical issues
- The "organism" problem
- Public Health issues, and their social dimensions
- Reductionism, antireductionism, emergence
- The "species" problem
- Systematics and classification
- Systems Biology, Synthetic Biology and Genomics
- Teaching Biology
- Others