

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*): Ecological explanation at different levels and scales

Organizer of the session (may but need not be a participant in the session) (*mandatory*):

Dr. Stefan Linquist

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

Dr. Stefan Linquist

Dr. Karl Cottenie

Dr. Jérôme Chave

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

Dr. Patrick Forber (Tufts, Philosophy)

Dr. Ryan Gregory (Guelph, Integrative Biology)

Names of respondents or commentators (*if any*):

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

Ecology

Evolutionary Biology: Theoretical and conceptual issues

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