

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): Ecology and Evolution: How Ecology Matters

Organizer of the session (may but need not be a participant in the session) (mandatory): Alirio Rosales, Department of Philosophy and Biodiversity Research Centre, University of British Columbia, Canada

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

Ophélie Ronce, Metapopulations, Conservation et Coevolution, Institut des Sciences de l'Évolution de Montpellier, France

Roberta Millstein, Department of Philosophy, University of California, Davis, USA

Michael Doebeli, Departments of Zoology and Mathematics, University of British Columbia, Canada

Alirio Rosales, Department of Philosophy and Biodiversity Research Centre, University of British Columbia, Canada

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

Stephan Linquist, Department of Philosophy, University of Guelph, Canada

The biology Chairperson is TBA

Names of respondents or commentators (if any):

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

Ecology and Evolutionary Biology

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