

## ISHPSSB2013 – Traditional Session Form

**Title of the session (*mandatory*):** New Directions in the Study of Inheritance

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

Gaëlle Pontarotti

**Names of all the participants in the session (*mandatory*):** Eugene Earnshaw Whyte (University of Toronto), Olivier Morin (Central European University, Budapest), Gaëlle Pontarotti (IHPST, Paris)

**Name of Chairperson (*mandatory*) (cannot be one of the participants):** Pierrick Bourrat (University of Sidney)

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

**Theme of your session (please pick *one* theme in the list below) (*mandatory*):** Evolutionary Biology: Theoretical and conceptual issues (e.g. definition of Darwinian processes, levels of selection, etc.)

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### **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