

ISHPSSB 2013 – Traditional Session Form

Title of the session (*mandatory*): Models & Mechanisms: Extending the Framework

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

Names of all the participants in the session (*mandatory*): Brett Calcott, Stuart Glennan,
Arnon Levy, Tom Polger

Name of Chairperson (*mandatory*) (cannot be one of the participants): Carl Craver

Names of respondents or commentators (*if any*): N/A

Theme of your session (please pick *one* theme in the list below) (*mandatory*): Functions and
Mechanisms

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