ISHPSSB 2013, Montpellier, France Program

Sunday, July 7, 2013

1:00pm-5:00pm
Registration (Centre Saint-Charles, Entrance, University of Montpellier 3)
3:00pm-4:00pm
Introductory speeches (Room: Amphi Giraud): Paul Griffiths (president); Region

Languedoc-Roussillon; University of Montpellier 3; Program committee;

Organizing committee

3:45pm-4:45pm Plenary talk (Room: Amphi Giraud): Beginnings. Medicine and Natural

Philosophy in Medieval Montpellier - Maaike van der Lugt

5:00pm-7:00pm Welcome cocktail (Location: Jardin des Plantes)

Monday, July 8, 2013

9:00am-5:00pm Registration (Centre Saint-Charles, Entrance, University of Montpellier 3)

9:30am-11:00am. Making Modern Developmental Biology (Room: Colloque 1)

- Chair: Sabine Brauckmann

9:30am-10:00am From Embryology to Developmental Biology: The Diversification of a

Biological Field - Michael Dietrich & Nathan Crowe

10:00 am-10:30am Molecularising mammalian development: gene transfer, recombinant networks

and the making of transgenic mice - *Dmitriy Myelnikov*

10:30 am-11:00am Communicating Reproductive Biology: Claims to Human In Vitro Fertilization -

Nick Hopwood

9:30am-11:00am. Eugenics Part I, eugenic traits (Room: Colloque 2) - Chair: Moyra Lang

9:30am-10:00am Eugenic Lists - Rob Wilson

10:00am-10:30am Why did the Nazis sterilize the Blind? - Amir Teicher

10:30am-11:00am Combining permissible abortion with prenatal testing: Risking Eugenics? - Lyster

Caroline

9:30am-11:00am. Biological Theories and Theories in Medicine (Room: 004)

- Chair: Jacob Stegenga

9:30am-10:00am DSM-5 and the Removal of the Multiaxial System for Psychiatric Diagnosis:

What Is at Stake? - Steeves Demazeux

10:00am-10:30am Does pathophysiology contain a theory of disease? - Maël Lemoine 10:30am-11:00am Network medicine as a genetic theory of disease - Marie Darrason

9:30am-11:00am. Can human sciences be applied to animal societies (Room: 005)

9:30am-9:45am Japanese wisdom? Natural cultures and cultural natures - Harry Wels

9:45am-10:00am The Pragmatics of Nonhuman Friendships - *Irina Meketa* 10:00am-10:15am Culturally Constructed Concepts in Animals - *Grant Goodrich*

10:15am-10:30am Social networks and animal behavior - Colin Allen

10:30am-10:45am Social Constructionism and Theory of Mind - Olivia Sultanescu

10:45am-11:00am Can Human sciences be applied to animal societies? - General discussion

9:30am-11:00am. Functions and Complex Systems (Room: 001) - Chair: Eric Desjardins

9:30am-10:15am Functions and Ecological Resilience - Gillian Barker

10:15am-11:00am Functional Analogical Models in Biomedical Research - Zachary Helwig

| 9:30am-11:00am. | New Directions in the Study of Inheritance (Room: 008) |
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| 9:30am-10:15am | - Chair: Pierrick Bourrat Pluralistic models of inheritance: toward the reform of a central concept in biology - Gaëlle Pontarotti |
| 10:15am-11:00am | Why culture evolves without being an inheritance system - Olivier Morin |
| 9:30am-11:00am. | Towards a motricity approach in cognitive sciences (Room: 214) - Chair: Bernardo Yanez |
| 9:30am-10:00am | Differences between identity and self-consciousness from a motricity approach - Melina Gastelum |
| 10:00am-10:30am | Autonomous movement: the beginning of mental life from an embodied and ecological approach Ximena González-Grandón & Jimena Vergara Ortega |
| 10:30am-11:00am | The unification of the mind: a hypothesis - <i>Jose Padua-Gabriel</i> |
| 9:30am-11:00am. 9:30am-10:00am 10:00am-10:30am 10:30am-11:00am | Debates About the Level of Selection A (submitted papers) (Room: 006) Variation Within and Between Hierarchical Levels - Lauren McCall On the Status of the Debate About Biological Individuality - Austin Booth Species Selection and the Individuality Thesis: A Lesson in Ontology from a Tasmanian Wolf - Leonard Finkelman |
| 9:30am-11:00am. 9:30am-10:00am | General Philosophy of Science A (submitted papers) (Room: 007) Downward Determination as a Non-Causal Probability-Raising Relation - Charbel El-Hani |
| 10:00am-10:30am 10:30am-11:00am | Mechanisms and the puzzle of explanatory relevance - Maria Serban Ecosystem Research and Real-World Simulation - Astrid Schwarz |
| 9:30am-11:00am. | Genetics. From Mendel to Benzer and Beyond A (submitted papers) (Room: Actes) |
| 9:30am-9:50am | What if Mendel had died in 1840? Retrodictions in early genetics - <i>Mike Buttolph</i> |
| 9:50am-10:10am 10:10am-10:30am 10:30am-10:50am | Against Theory-Biased Classical Genetics - <i>Yafeng Shan</i> The growth of Morgan's evolutionary thought: 1903-1932 - <i>Lilian Martins</i> Theorising and representational practices in genetics - <i>Marion Vorms</i> |
| 9:30am-11:00am. 9:30am-10:15am | More About Darwin and Wallace A (submitted papers) (Room: 125) Evolution without Natural Selection: Darwin's Domain of the Useless - Thomas Robert |
| 10:15am-11:00am | Modus Darwin Reconsidered - Casey Helgeson |
| 9:30am-11:00am. 9:30am-10:00am | Public Health Issues A (submitted papers) (Room: 127) Sorting out patients and diseases in early 19th century Paris. An historical account of how medicine met its subject <i>Antoine Ermakoff</i> |
| 10:00am-10:30am | Fetal Risk, Federal Response: Alcohol Warning Labels and Fetal Alcohol Syndrome - Erica O'Neil |
| 10:30am-11:00am | Bridging the Social-Biomedical Divide: Uncovering Explanatory Conflicts in the Public Health Literature - <i>Eniola Salami</i> |
| 9:30am-11:00am. | Public/scientist partnerships in the production of biomedical knowledge: the |
| 9:30am-10:00am | gamers, the advocates and the enablers (Room: 002) - Chair: Richard Creath Public/scientist partnerships in the production of biomedical knowledge: the gamers - David Magnus |
| 10:00am-10:30am | Public/scientist partnerships in the production of biomedical knowledge: the enablers - Lauren Milner |
| 10:30am-11:00am | Public/scientist partnerships in the production of biomedical knowledge: the advocates - <i>Mildred Cho</i> |

| 9:30am-11:00am. | Round table: Responses to <i>Principles of Evolutionary Medicine</i> (Room: Amphi Physio) - Participants: Peter Gluckman, Mark Hanson, John Matthewson, Pierre-Olivier Méthot, Dominic Murphy, Kenneth Schaffner. <i>Chair: Paul Griffiths</i> . |
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| 9:30am -11:00am. | Is Race Real? (Interdisciplinary Session) (Room: 003) - Chairs: Quayshawn Spencer & Melinda Gormley |
| 9:30am-9:50am | Race, Slavery, and Polygenism: Edward Long's History of Jamaica - Suman Seth |
| 9:50am-10:10am | When We Say "Race is a Social Construction," What Are We Saying? - John Jackson |
| 10:10am-10:30am 10:30am-10:50am | Concepts of Race among U.S. Biologists and Anthropologists - <i>Ann Morning</i> Why the Usefulness of Race Is Useless - <i>Matthew Kopec</i> |
| 11:30am-1:00pm. 11:30am-12:00pm | Functions in Ecology (Room: 008) - <i>Chair: Gillian Barker</i> Defending Ecosystem Health: A Normative but Naturalized Notion of Ecological Function - <i>Antoine C. Dussault</i> |
| 12:00pm-12:30pm | On the vague and metaphorical definitions of "good ecosystem functioning" - Catherine Dieleman |
| 12:30pm-1:00pm | Climate change and ecological management: from historical structural to futuristic functional goals - <i>Eric Desjardins</i> |
| 11:30am-1:00pm. | Dialogue Garland Allen – Bruno Strasser (Room: Amphi Physio) - Theme: Biology in the 21st Century: Hybridization of Experimentalism and Natural History? |
| 11:30am-1:00pm. 11:30am-12:00pm 12:00pm-12:30pm 12:30pm | Hodgiana A (Room: Colloque 1) - Chair: Shane Glackin Buffon and Darwin after Hodge: the case for extremism - Thierry Hoquet Against "Evolution"? Non-Darwinian Theorizing and the Hodgean Historiography of Biology - Peter Bowler From germs and cells to species and trees of life and beyond: Jon Hodge's articulation of Darwin's Generation Theorizing into its wider frames - Carlos Lopez-Beltran |
| 11:30am-1:00pm. 11:30am-12:00pm 12:00pm-12:30pm 12:30pm | Eugenics Part II, politics and eugenics (Room: Colloque 2) - Chair: Moyra Lang Differentiating Eugenics and Social Darwinism - Aida Roige Mas Revisiting Eugenics and the Left: JBS Haldane, Diversity, and an Independent India Gordon McOuat Confronting the 'Eugenic Agitation': Herbert Spencer Jennings, the Biology of Democracy, and the American Social Welfare Community in the 1920s - Judy Johns Schloegel |
| 11:30am-1:00pm. 11:30am-12:00pm 12:00pm-12:30pm 12:30pm-1:00pm | Immunology and Individuality (Room: 004) - Chair: Samuel Alizon Doing Biographical Work: The 'Self' of Immunological Theory and the 'Self' of Autoimmune Disease - Warwick Anderson Individuality and Immunology's Theories of Cognition - Alfred Tauber The Individual, the Organism, and the Immune System - Thomas Pradeu |
| 11:30 am-1:00pm. | New perspectives on the evolution of human cognition (Room: 001) - Chair: |
| 11:30am-12:15am | Kim Sterelny Bonobos as model of the last common ancestor of humans and apes: the neglected discussion in the evolution of human cognition - Ivan Gonzalez-Cabrera |
| 12:15am-1:00pm | As far as I know. Social learning and the available information - <i>Chiara Ferrario</i> |

| 11:30am-1:00pm. 11:30am-12:00pm 12:00pm12:30pm | The Problem of "Race" A (submitted papers) (Room: 002) Remeasuring Man - Michael Weisberg The use of the concept of race in biomedicine: the hypothesis of social causes undermines the utilitarian argument Ludovica Lorusso The Last Race Realisms - Matthew Barker |
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| 11:30am-1:00pm. | Conceptual Difficulties Associated with Evo-Devo A (submitted papers) |
| 11:30am-12:15am 12:15am-1:00pm | (Room: 003) The inception of modularity in biology - Silvia Caianiello, Silvia Caianiello Developmental explanation - Veli-Pekka Parkkinen |
| 11:30am-1:00pm. 11:30am-11:50am | Debates About the Level of Selection B (submitted papers) (Room: 006) Conceptions of Multilevel Selection and their Implications for Empirical Results <i>Christopher Dimond</i> |
| 11:50am-12:10pm | MLS3: Expanding Multi-level Selection Theory to Capture Hierarchical Transition by Individuation - <i>David Crawford</i> |
| 12:10pm-12:30pm 12:30pm-12:50pm | A Defense of Superorganisms - Karen Kovaka Interactionist Group Selection - Tomi Kokkonen |
| 11:30am-1:00pm. 11:30am-12:00pm 12:00pm-12:30pm 12:30pm-1:00pm | General Philosophy of Science B (submitted papers) (Room: 007) How Multiple Realization is Possible - <i>Kenneth Aizawa</i> Divergent Philosophies in Evolutionary Science - <i>Carmen Marcous</i> Regulation: Integrating Concept or Epistemological Red Herring? - <i>Kevin Amidon</i> |
| 11:30am-1:00pm. | Genetics. From Mendel to Benzer and Beyond B (submitted papers) |
| 11:30am-11:50am | (Room: Actes) Economic models in the cell: division of labor in the German Empire and the transition from real- to finance economy in conception and heredity 1870-1900 - Bettina Bock von Wülfingen |
| 11:50am-12:10pm | Science During Wartime: Richard Goldschmidt's Internment during the First World War – <i>Marsha Richmond</i> |
| 12:10pm-12:30pm | Randomization? Fisher, "Student," and the Society for Psychical Research - Nancy Hall |
| 12:30pm-12:50pm | A Historical and Systematic Analysis of the Hardy-Weinberg Law - Pablo Lorenzano |
| 11:30am-1:00pm. 11:30am-12:00pm | More About Darwin and Wallace B (submitted papers) (Room: 125) Hair-raising observations: Darwin and Crichton Browne on piloerection and |
| 12:00pm-12:30pm | insanity - <i>Pieter Adriaens</i> Darwin and the decline of Ancient Greece: a problem or a shining example for his theory? - <i>Ageliki Lefkaditou</i> |
| 12:30pm-1:00pm | Charles Darwin as Historical Methodologist; The Role of Scottish Conjectural History in the Origin of Species - Cosima Herter |
| 11:30am-1:00pm. 11:30pm-12:15pm | Physiology in the 20th Century (submitted papers) (Room: 214) Forged Together: Anglo-American Physiologists and the Structure of War and Post-War Physiology1935-1955 - Stephen Casper |
| 12:15pm-1:00pm | The erythrocyte "has a life span" – erythrocyte aging between experimental and mathematical approaches - <i>Maria Strecht Almeida</i> |
| 11:30am-1:00pm. 11:30am-12:00pm 12:00pm-12:30pm 12:30pm-1:00pm | Public Health Issues B (submitted papers) (Room: 127) Nathan Shock and the "Biomedicalization of Aging" - Hyung Wook Park Bacteriophage and the American Pharmaceutical Industry - Carolyn Farnsworth Socially and morally responsible cognitive neuroimaging: Mental rotation case study - Vanessa Bentley |

| 11:30am-1:00pm. | Transnational Science During the Cold War A (Room: 005) - Chair: Edna |
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| 11:30am-12:00pm | Suarez-Diaz Practices of circulation: radioisotopes and cytology in the atomic age - María |
| 12:00pm-12:30pm | Santesmases A New Look at Radioisotopes: Eisenhower's Atoms for Peace and Its |
| 12:30pm-1:00pm | Consequences for Science and Medicine - Angela Creager, John Krige Cold War Collaboration and the 'American Challenge': The European Society for Nuclear Methods in Agriculture - Karin Zachmann |
| 1:00pm-3:00pm. | Council Meeting #1 - Open to Council's members |
| 3:00pm-4:30pm. | Asking the Hidden Questions Raised by Stem Cells: History, Philosophy, and Biology (Room: Amphi Physio) - Chair: Jason Robert |
| 3:00pm-3:20pm 3:20pm-3:40pm | What's Surprising about Stem Cell Research? - Jane Maienschein Leaping from Waddington's landscape: premature theorizing in stem cell biology - Melinda Fagan |
| 3:40pm-4:00pm 4:00pm-4:20pm | Stem cells in an evolutionary perspective - Michel Vervoort |
| 3:00pm-4:30pm. 3:00pm-3:30pm | Hodgiana B (Room: Colloque 1) - Chair: Shane Glackin Hodge's Paradigm-Making Thinking about the Population Geneticists - Michael Ruse |
| 3:30pm-4:00pm | How Hodge's History of Biology and Philosophy of Biology Fit Together - Gregory Radick |
| 4:00pm-4:30pm | Responses and reflections - Jon Hodge |
| 3:00pm-4:30pm. | Eugenics Round table: Past and Present (Room: Colloque 2) - Participants: Amir Teicher, Rob Wilson, Caroline Lyster, Judy Johns Schloegel, Gordon McOuat. <i>Chair: Matthew Smithdeal</i> . |
| 3:00pm-4:30pm | Individuality and the Division of Labor (Room: 004) – Chair: Mark Borrello |
| 3:00pm-3:30pm | Modularity and division of labor: from theory to experimental evolution - <i>María</i> Rebolleda Gómez |
| 3:30pm-4:00pm 4:00pm-4:30pm | Individuality and the Division of Labor in the Nineteenth Century - <i>Lynn Nyhart</i> Debating Division of Labor in European Ethology. An Epistemological Analysis of the Pardi-Deleurance controversy about the Organization of Wasp Societies in 1950 <i>Guido Caniglia</i> |
| 3:00pm-4:30pm. | What is a gene? The gene concept faced to recent advances in genetics, |
| 3:00pm-3:20pm | molecular and developmental biology (Room: 001) - Chair: Jean-Jacques Kupiec "What is a gene? The gene concept faced to recent advances in genetics, |
| 3:20pm-3:40pm | molecular and developmental biology." - Jean Deutsch Hox genes' colinearity during Limb Development - Charles Galperin |
| 3:40pm-4:00pm 4:00pm-4:20pm | Chromosome structure as a component of gene definition - <i>Thomas Heams</i> The molecular gene concept in the post-genomic era - <i>Frédérique Théry</i> |
| 3:00pm-4:30pm. | The Problem of "Race" B (submitted papers) (Room: 002) |
| 3:00pm-3:30pm | Racial Certificates and "Jewish Racial Traits": Otmar von Verschuer and Nazi Racial Policy Practice at the Institute for Human Heredity and Racial Hygiene, 1936-1942 - Sheila Weiss |
| 3:30pm-4:00pm | Survival of the Fittest during the First World War: Herbert Spencer, the French Army, and the Development of La force noire, 1890-1920 - <i>Joe Lunn</i> |
| 4:00pm-4:30pm | Do I look Mexican? The Reification of a National Face - Abigail Nieves |

| 3:00pm-4:30pm. | Understanding variation beyond the Modern Synthesis (Room: 008) - Chair: |
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| 3:00pm-3:30pm | Fridolin Gross Mutational Lamarckism and the Modern Synthesis view of mutational randomness as conditional independence - Pablo Razeto-Barry & Davide Vecchi |
| 3:30pm-4:00pm | Phenotypic variation in ecological setting: a challenge for evolutionary modeling beyond the Modern Synthesis - Serrelli Emanuele |
| 4:00pm-4:30pm | Variation in a world with multiple levels, mechanisms, and units of evolution: The Applied Evolutionary-Epistemology Approach - <i>Nathalie Gontier</i> |
| 3:00pm-4:30pm. | Conceptual Difficulties Associated with Evo-Devo B (submitted papers) (Room: 003) |
| 3:00pm-3:45pm | Rethinking innateness as a primitive term within developmental scenarios - Valentine Reynaud |
| 3:45pm-4:30pm | Typological thinking and essentializing from a practical point of view - Christopher DiTeresi |
| 3:00pm-4:30pm. 3:00pm-3:30pm | General Philosophy of Science C (submitted papers) (Room: 007) "If you can spray them, then they are real": Evidence Construction in Fragrance Chemistry – Ann-Sophie Barwich |
| 3:30pm-4:00pm 4:00pm-4:30pm | Open the doors: integrating epistemology into the lab - <i>Thomas Camus</i> Some examples of possibology applied to biology and its history - <i>Sylvie Allouche</i> |
| 3:00pm-4:30pm. | Genetics. From Mendel to Benzer and Beyond C (submitted papers) (Room: 209) |
| 3:00pm-3:30pm | Patenting life: The life of a patent - Ana Romero |
| 3:30pm-4:00pm | The French Concept of the Gene, from Microbe to Transposon? - Laurent Loison |
| 4:00pm-4:30pm | Seymour Benzer, Genetic Maps, and the Junkman's Problem - Yoichi Ishida |
| 3:00pm-4:30pm. | More About Darwin and Wallace C (submitted papers) (Room: 125) |
| 3:00pm-3:30pm | The Charles Darwin-Wyville Thomson Debate: deep sea crinoids, scientific evidence, and theadjudication of Darwinian natural selection - <i>Rodolfo Alaniz</i> |
| 3:30pm-4:00pm | From The Malay Archipelago: Alfred Russell Wallace's Scientific Contributions - Emily Matykiewicz |
| 4:00pm-4:30pm | Contribution to the methodology of reception studies: considerations regarding the study of Darwin in Portugal (1910-1974) - <i>Pedro Fonseca</i> |
| 3:00pm-4:30pm. 3:00pm-3:30pm | Macromolecules and Molecular Biology (submitted papers) (Room: 214) Rosalind franklin and the dna double helix: historiographical accounts - Marcos Silva |
| 3:30pm-4:00pm 4:00pm-4:30pm | Molecules in Biology Before Molecular Biology - <i>Daniel Liu</i> Rendering the dynamic static: examining how x-ray crystallography constructs investigation into protein function - <i>Julie-Anne Gandier</i> |
| 3:00pm-4:30pm. 3:00pm-3:45pm | New Models and Approaches in Evolution (submitted papers) (Room: 127) Modelling the Course of an HIV Infection: Insights from Ecology and Evolution - Samuel Alizon |
| 3:45pm-4:30pm | Modeling evolution using the probability of fixation - David McCandlish |

3:00pm-4:30pm. Transnational Science During the Cold War B (Room: 005) - Chair: Edna Suarez-Diaz

3:00pm-3:30pm Human population studies and the World Health Organization - *Soraya de Chadarevian*

3:30pm-4:00pm Alfonso León de Garay and the set up of the Genetics and Radiobiology Program in Mexico, 1960- 1970. - *Ana Barahona*

4:00pm-4:30pm General discussion with all the participants.

3:00pm-4:30pm. Outsourcing biomedicine (Room: 006) - Chair: Nick Hopwood

3:00pm-3:20pm Outsourcing in anatomical visualization. Atlas production and the politics of visual cultures in early 20th century Vienna - *Birgit Nemec*

3:20pm-3:40pm The Vertical Integration of American Paleontology - Lukas Rieppel

3:40pm-4:00pm Open Source, Outsourced: Synthetic Biology in the Age of Biological Taylorism - Sophia Roosth

4:00pm-4:20pm Buy-ology: kits and knowledge in molecular biology - Hallam Stevens

4:30pm-7:00pm. Poster session, with cocktail (Hall)

- ➤ Chang Shereen, Does Alex have a theory of mind?
- ➤ Ronai Isobel, A Case Study for the Multifaceted Concept of the Gene: the Anarchistic honey bee Project
- ➤ Garvia Cristian, The use and abuse of neurosciences in economics: the neuromarketing
- Muro Elsa, An organizational account of the genome function
- ➤ Haave Neil, Revolutionary, evolutionary or mangled science: Dietschy's development of the tritiated water technique for measuring cholesterogenesis as a case study
- ➤ Tanghe Koen, The Non-Mendelian Revolution: A Conceptual Reinterpretation of the Genetic Revolution
- ➤ Di Giusto Bruno, When species delineation challenges conservation policies: the case of a flagship carnivorous pitcher plant
- ➤ Camus Thomas, When seeing incorporates the outcomes of doing: Epistemological background and issues of the concept of affordance
- Lopez Paleta Miguel, Is domestic fowl a 'genetic tool'? Gallus gallus as a model organism
- Yang Shijian, Levels of biological organization in the holobiont
- Brando Fernanda, The Island as object of ecological studies: a proposal for biology teaching
- Pereira Miler, History of science in the high school: Lazzaro Spallanzani's experiments in animal reproduction
- Lacombe Rémi, Historical look at the evolution of the species concept from Antiquity to the 19th century
- Franceschelli Sara, Designing generic dynamic landscapes
- Munoz-Rubio Julio, Dialectics and neo-Lamarckism defended
- ➤ Han Min-Kyu, Case Study Importance of bioethics in determining whether or not to promote the governmental R&D programs in Korea
- ➤ Laitinen Roosa, How does epigenetics influence our view on evolution?
- Krsmanovic Pavle, Survival determinism in situ: an evolutionary perspective on disease etiologies

Tuesday, July 9, 2013

| 9:00am-10:30am. | Selection at the level of the community and ecosystem (Interdisciplinary |
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| 9:00am-9:30am | Session) (Room: Amphi Physio) - Chairs: Antoine Dussault & Josiane Seghieri Artificial selection of ecological interactions in microbial communities - Manuel Blouin |
| 9:30am-10:00am | How to define the selective environments in which symbiotic communities |
| 10:00am-10:30am | evolve? - Karine Prévot & Frédéric Bouchard Evolution in metacommunities: The role of population structure - Charles Goodnight |
| 9:00am-10:30am. | Parental Effects I: Historical, Sociological, and Medical perspectives |
| 9:00am-9:30am | (Interdisciplinary Session) (Room: Amphi 8) - Chair: Mark Hanson Maternal Effects and the Twentieth Century Sciences of Heredity - Richardson |
| 9:30am-10:00am | Sarah The Origin and Operationalization of Fetal Programming Science - Miranda Waggoner |
| 10:00am-10:30am | A biomedical perspective on parental effects - Peter Gluckman |
| 9:00am-10:30am. | From Neurons to Knowledge A (Interdisciplinary Session) (Room: Amphi Jean |
| 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am | Rey) - Chairs: Robert C. Richardson & Christopher A. Shaw A Place for Levels-Thinking in Science and Philosophy - Daniel Brooks Making Sense of Brain and Behavioural Lateralization - Elisa Frasnelli Cognitive task and brain activity: an uncertain correlation - Paola Hernandez Chavez |
| 9:00am-10:30am. | Dialogue Sonia Kéfi – Annick Lesne (Room: Colloque 2) - Theme: Complex systems, tipping points and early warnings |
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| 9:00am-10:30am. | Abstracting from the Living: Characters and Classifications in the Life Sciences (Room: 004) - Chair: Pierre-Luc Germain |
| 9:00am-10:30am. 9:00am-9:30am 9:30am-10:00am | (Room: 004) - Chair: Pierre-Luc Germain Enriching and observing: Microbial species as practices - Mathias Grote Identifying Medically Relevant Variation to Re-Classify Disease: Linkage |
| 9:00am-9:30am | (Room: 004) - Chair: Pierre-Luc Germain Enriching and observing: Microbial species as practices - Mathias Grote |
| 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am | (Room: 004) - Chair: Pierre-Luc Germain Enriching and observing: Microbial species as practices - Mathias Grote Identifying Medically Relevant Variation to Re-Classify Disease: Linkage Analysis of Neurodegenerative Disorders in the 1980's - Lara Keuck From Merkmal to Marker. The taxonomic origin of the genetic character concept - Robert Meunier Teaching Biology A (submitted papers) (Room: 001) |
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| 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am | (Room: 004) - Chair: Pierre-Luc Germain Enriching and observing: Microbial species as practices - Mathias Grote Identifying Medically Relevant Variation to Re-Classify Disease: Linkage Analysis of Neurodegenerative Disorders in the 1980's - Lara Keuck From Merkmal to Marker. The taxonomic origin of the genetic character concept - Robert Meunier Teaching Biology A (submitted papers) (Room: 001) The Ghost in the Classroom. Evolution, Ernst Haeckel and German biology |
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| 9:00am-10:30am. 9:00am-9:45am 9:45-10:30am | The Formation of Language (submitted papers) (Room: 008) Language Acquisition, Rule-following, and the Individual Species Concept - Shane Glackin Is syntax equals to language? A debate on a trait of human uniqueness - Mercedes Tapia |
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| 9:00am-10:30am. 9:00am-9:45am | Conceptual Tools for Neurobiology A (submitted papers) (Room: 003) Early nervous systems and the origins of the animal sensorimotor organization - Fred Keijzer |
| 9:45am-10:30am | The Explanatory Role of Mechanisms in Neuroscience - Tobias Huber |
| 9:00am-10:30am. 9:00am-9:20am 9:20am-9:40am | The Problem of Species A (submitted papers) (Room: 125) Cohesion and the Individuality Thesis - Celso Antônio Neto The Perdurantist Implications of the Species-as-Individuals Thesis - August |
| 9:40am-10:00am | Martin The Idea of Neo-Biological Species Concept–A new approach to responding the old debates - Bo-Chi G. Lai |
| 10:00am-10:20am | A Process-Focused Approach to the Species Problem - Derek Skillings |
| 9:00am-10:30am. | Simulation vs. Experiment in Evolutionary Biology (Room: 006) - Chair: Brett Calcott |
| 9:00am-9:30am | Why aren't all cells in neoplasms cancer stem cells? An evolutionary explanation for cancer non-stem cells - <i>Kathleen Sprouffske</i> |
| 9:30am-10:00am 10:00am-10:30am | What's the Difference Between Experiment and Simulation? - <i>Emily Parke</i> Comments by Paul Sniegowski & Kyle Stanford |
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| 9:00am-10:30am. | Models & Mechanisms: Extending the Framework (Room: 007) - Chair: William Bechtel |
| 9:00am-9:20am | Bechtel How mechanisms work, how they change, and how the way they work affects the way they change - Brett Calcott |
| | Bechtel How mechanisms work, how they change, and how the way they work affects the way they change - Brett Calcott How-kind-of actually Models - Stuart Glennan, Butler University |
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| 9:00am-9:20am 9:20am-9:40am 9:40am-10:00am 10:00am-10:20am 9:00am-10:30am. 9:00am-9:20am 9:20am-9:40am 9:40-10:00am 10:00am-10:20am 11:00am-12:30pm. | Bechtel How mechanisms work, how they change, and how the way they work affects the way they change - Brett Calcott How-kind-of actually Models - Stuart Glennan, Butler University Causal Order & Two Kinds of Robustness - Arnon Levy Mechanisms, Models, and Explanatory Autonomy - Thomas Polger The Status and Prospect of Genetic Explanations of Behavior (Room: Colloque 1) - Chair: Dominic Murphy Explanatory Virtues and Genetic Causation - Maria Kronfeldner The gene of - Pierre Roubertoux Can Genes Explain Human Personality? Doubtful! - Kenneth Schaffner Gene-Environment Interaction in the 21st Century: Its Rise, Its Fall, Its Rise? - James Tabery Dialogue Samir Okasha - François Rousset (Room: Amphi Physio) - Theme: Adaptation and Optimality Parental Effects II: Philosophical and Scientific perspectives (Interdisciplinary Session) (Room: Amphi 8) - Chair: Mark Hanson |

| 11:00am-12:30pm. | From Neurons to Knowledge B (Interdisciplinary Session) (Room: Amphi Jean |
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| 11:00am-11:45am | Rey) – Chairs: Robert C. Richardson & Christopher A. Shaw The neuroplasticity – neuropathology continuum: an alternative view on learning and mamour formation. Itaholla Souta Jackson |
| 11:45am-12:30pm | learning and memory formation - <i>Isabella Sarto-Jackson</i> Neuro-Science vs. Folk Psychology: From Deadlock to Well-moderated Controversy – <i>Katherina Zakravsky</i> |
| 11:00am-12:30pm. 11:00am-11:20am 11:20am-11:40am 11:40am-12:00pm 12:00pm-12:20pm | Clustering Humans (Room: Colloque 1) - Chair: Hallam Stevens Human Genetic Clustering and Ontological Inference - Quayshawn Spencer Human Genetic Diversity: Fact and Fallacy - Lisa Gannett Genetic Clustering and the Definition of 'Race' - Adam Hochman The Israeli population-geneticists' conceptualisation of "Jewish Difference" - 1945-2012 - Snait Gissis |
| 11:00am-12:30pm. | Round table: Doing Science Without Natural Kinds (Room: Colloque 2) – Participants: Tekin Serife, Machery Edouard, Rice Collin. <i>Chair: TBA</i> . |
| 11:00am-12:30pm. | Generic and Genetic Explanations of Evolvability and Evolutionary Novelty (Room: 004) - Chair: William Wimsatt |
| 11:00am-11:30am | Generic and Genetic Explanations: Comparing Experimental and Historical Biology - Alan Love |
| 11:30am-12:00pm 12:00pm-12:30pm | Generic vs genetic approaches to early animal evolution - <i>Douglas Erwin</i> Genetic and Generic Explanations: A Pluralistic Perspective - <i>Karl Niklas</i> |
| 11:00am-12:30pm. | Psychological Altruism from a Biological Point of View B (Room: 005) - Chair: Christine Sachse |
| 11:00am-11:30am | Psychological Altruism from a Biological Point of View - Some Recent Perspectives - Chandra Sripada |
| 11:30am-12:00pm | Preference altruism: a conceptual link between economics and evolutionary biology - Christine Clavien |
| 12:00am-12:30pm | Final comments – Elliott Sober |
| 11:00am-12:30pm. 11:00am-11:30am 11:30am-12:00pm 12:00pm-12:30pm | Teaching Biology B (submitted papers) (Room: 001) Research Integrity and Everyday Practice of Science - <i>Frederick Grinnell</i> Object Lessons in the Life Sciences - <i>Ruthann Dyer</i> A qualitative and quantitative analysis of contents concerning of pluralism of processes and evo-devo in higher education textbooks of evolution and vertebrate zoology - <i>Wellington Santos</i> |
| 11:00am-12:30pm. | Historical and Philosophical Perspectives on Disease Biology (Room: 002) - |
| 11:00am-11:45am | Chair: Anya Plutynski "Natural" and "Artificial" Infection: Host-Specificity in Mid-20th-Century Parasitology and its Implications for Evolutionary and Disease Biology - Rachel Mason Dentinger |
| 11:45am-12:30pm | Confronting the Complex Causality of Cancer - Katherine Liu |
| 11:00am-12:30pm. | Playing by their own rules: marginality and heterodoxy in modern science (Room: 008) - Chair: Lynn K. Nyhart |
| 11:00am-11:30am | 'My sole intention in that country is to obtain a giraffe' – Science, patronage, and the local merits of an African expedition in Restoration Frankfurt am Main - Ayako Sakurai |
| 11:30am-12:00pm 12:00pm-12:30pm | Science for gentlemanly breeders? British acclimatisation revisited - <i>Takashi Ito</i> Defining Wild: Japanese Primatology and Monkey Parks - <i>Akihisa Setoguchi</i> |

| 11:00am-12:30pm. 11:00am-11:20am | Conceptual Tools for Neurobiology B (submitted papers) (Room: 003) Re-Thinking Neuroconstructivism through Dynamic (neuro)-Enskilment: a critique of Neo-Nativism - <i>Mirko Farina</i> |
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| 11:20am-11:40am 11:40am-12:00pm | Embodied Cognition: The Very Idea - Fred Adams Embodied Cognition and Neuroethology: A Defense of Information Processing Models – Jonathan Martin |
| 12:00pm-12:20pm | Corporization as the substrate of mental development - Melina Gastelum Vargas |
| 11:00am-12:30pm. | Towards Epistemologies of Biological Practice (Room: 006) - <i>Chair: Hans-Joerg Rheinberger</i> |
| 11:00am-11:20am | From Conceptual Analysis to the Analysis of Conceptual Practice - C. Kenneth Waters |
| 11:20am-11:40am | Why and How Biological Practice Matters to a Philosophical Analysis of Epistemic Reduction - <i>Marie I. Kaiser</i> |
| 11:40am-12:00pm 12:00pm-12:20pm | The Ethos of Organism-Based Communities - Sabina Leonelli & Rachel Ankeny The interplay of model building and science policy: the case of lock-and-key in 20th century biochemistry - Rebecca Mertens |
| 11:00am-12:30pm. | Some Problematic Concepts in Evolutionary Biology (submitted papers) |
| 11:00am-11:20am 11:20am-11:40am 11:40am-12:00pm 12:00pm-12:20pm | (Room: 007) Hannibal (The Cannibal) Lecter and (Un)natural Selection - <i>Michael White</i> Plasticity cannot explain itself - <i>Antonine Nicoglou</i> Gradualism: Complications and Implications <i>Roger Sansom</i> The Plant and the Pollinator Tale: how to take Teleology seriously in Biology and yet avoid being a Lamarkian? - <i>Iñigo Ongay de Felipe</i> |
| 11:00am-12:30pm. 11:00am-11:30am 11:30am-12:00pm 12:00pm | Animal Models in Neurobiology (submitted papers) (Room: Actes) History of biological researches on memory - Quentin Lade Animal Models as Experimental Model Systems - Nina Atanasova Humanizing Animals: The Selection and Justification of the Prairie Vole as an Animal Model for Autism Spectrum Disorders - Nicholas Zautra |
| 11:00am-12:30pm. 11:00am-11:30am | The Problem of Species B (submitted papers) (Room: 125) Is the Ontology of Homologous Traits a Matter of Pragmatics? - Christopher Pearson |
| 11:30am-12:00pm 12:00pm-12:30pm | Models of species metaphysics - Rafael Ventura Informationally-Connected Property Clusters and Polymorphism - Manolo Martinez |
| <u>12:30pm-2:30pm</u> . | Student Advisory Workshop (Room: Colloque 1): Navigating Intellectual and Professional Transitions in an Interdisciplinary World |
| 2:30pm-4:30pm. | Two plenary talks (Room: Amphi Giraud): Michel Loreau (Station d'Ecologie Expérimentale du CNRS, Moulis, France) – From Populations to Ecosystems: Towards a Unifying Ecological Theory Isabelle Olivieri (University of Montpellier 2, France) – Experimental Evolution: What's For? |
| <u>5:00pm-6:30pm</u> . | Charles Darwin and the Scientific Revolution (Room: Colloque 1) - Chair: |
| 5:00pm-5:30pm | Stéphane Tirard Darwin and the Mechanical Philosophy: Likening Nature to Artifice - Andrew |
| 5:30pm-6:00pm 6:00pm-6:30pm | Inkpen Darwin's Experimentalism - Richard Richards Charles Darwin's Particular Theory of Evolution - Richard G. Delisle |

| 5:00pm-6:30pm. | Round table: From Groups to Individuals: Evolution and Emerging Individuality (Room: Colloque 2) – Participants: Frédéric Bouchard, Ellen Clarke, Charles J. Goodnight, Matt Haber, Philippe Huneman, Thomas Pradeu, Minus van Baalen, Scott Turner. Chair: Silvia de Monte. |
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| 5:00pm-6:30pm. | Topics in the Philosophy of Behavioural Biology (Room: 004) - Chair: Ivan |
| 5:00pm-5:30pm | Dario Gonzalez Cabrera Simple learning systems and evolvability: Why culture isn't all that matters - Rachael Brown |
| 5:30pm-6:00pm | The role of psychological vs. behavioral approaches to studying the evolution of cognition – <i>Catherine Driscoll</i> |
| 6:00pm-6:30pm | Can Altruism be Unified? - Grant Ramsey |
| 5:00pm-6:30pm. 5:00pm-5:20pm 5:20pm-5:40pm 5:40pm-6:00pm 6:00pm-6:20pm | Teaching Biology C (submitted papers) (Room: 001) The teaching of evolution in Mexico - Erica Torrens Advisability of training course "The history of bacterial phytopathology" in higher education institutions - Vira Gamaliia & Oksana Zabuga Retrospective survey of ethical conceptions' development in the system "man – environment" - Yurij Duplenko & Svitlana Ruda Creative Nonfiction, Excerpt and Methodology - Melinda Gormley |
| 5:00pm-6:30pm. | Biomobilites – travel, movement and relationality in the emergence of contemporary biological materials and knowledges (Room: 005) - Chair: Rachel |
| 5:00pm-5:30pm | Ankeny Cutting off the circulation: ordering and managing excessive evidence - Megan Clinch |
| 5:30pm-6:00pm | The biomobile brain – on the pragmatics and politics of travelling between the neural and social sciences - <i>Des Fitzgerald</i> |
| 6:00pm-6:30pm | Before and After the Return: Repatriating Indigenous DNA - Amy Hinterberger |
| 5:00pm-6:30pm. | Predictive ecology in a changing world: from data to practices (Room: 002) - Chair: Virginie Maris |
| 5:00pm-5:30pm | When the bio-sphere becomes a data-sphere: quantifying nature for big ecology - <i>Vincent Devictor</i> |
| 5:30pm-6:00pm | The two meanings of "prediction" and their consequences in ecological science - Sarah Calba |
| 6:00pm-6:30pm | The methodological individualism of individual-based modeling in ecology - James Justus |
| 5:00pm -6:30pm. | Working in biology: how laboratory and field practices shape biological knowledge (Room: 008) - Chair: Raf de Bont |
| 5:00pm-5:20pm | The mouse multiple: Intersections of welfare practices and experimental practices in the animal neuroscience laboratory - <i>Nicole Nelson</i> |
| 5:20pm-5:40pm | Pregnancy testing with toads: Sourcing strategies of competing laboratories in postwar Britain – <i>Jesse Olszynko-Gryn</i> |
| 5:40pm-6:00pm | A Feel for the Numbers: the Data and Discourse of Mark/Recapture Studies - Kristoffer Whitney |
| 6:00pm-6:20pm | Creativity in the paleobiology laboratory: why fossil preparators compare themselves to Michelangelo - Caitlin Wylie |

| 5:00pm-6:30pm. 5:00pm-5:20pm | Anthropological Ecology (submitted papers) (Room: 003) Cultivated plants and culture: Hypotheses of the origin of bread wheat - Kaori lida |
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| 5:20pm-5:40pm | Crop diversity patterns as a mirror of communities' social organization: an illustration from the Tharaka people of Mount-Kenya region - Vanesse Labeyrie |
| 5:40pm-6:00pm | Models of plant-human interaction and the characterization of the indigenous knower in ethnobiology - <i>Diego Méndez</i> |
| 6:00pm-6:20pm | Optimal Foraging Models and The Impact of Culture on Behavioral Variation - Kenneth Vernon |
| 5:00pm-6:30pm. | Antimetabolites, Magic Bullets & New Ways to Diagnosis (submitted papers) (Room: Actes) |
| 5:00pm-5:20pm | Using integrated history and philosophy to inform diagnostic medicine: The case of heart failure - <i>Nicholas Binney</i> |
| 5:20pm-5:40pm | The right drugs for the job: the use of antimetabolites in biological research (1940-1960) – <i>Thibaut Serviant-Fine</i> |
| 5:40pm-6:00pm | Theoretical Assumptions and Instrumental Strategies in Early Detection of Cancer - Ronan Le Roux |
| 6:00pm-6:20pm | Magic Bullets - Jacob Stegenga |
| 5:00pm-6:30pm. 5:00pm-5:30pm 5:30pm-6:00pm 6:00pm | Cancer and Viruses (submitted papers) (Room: 125) Cancers, viruses, and the contrastive model of disease - Alex Broadbent Political Viruses: RNA Tumor Viruses and the War on Cancer - Robin Scheffler The virus, the prisoners, and the past: Historical ontology and the craft of history through the case of cancer virus - Laura Stark |
| 5:00pm-6:30pm. | Challenges for Molecular Biology (submitted papers) (Room: 127) |
| 5:00pm-5:20pm | Prevalence-knowledge and the changing store of molecular biology - <i>Pierre-Luc Germain</i> |
| 5:20pm-5:40pm | The central dogma and its implications for gene-centrism revisited: from DNA-centrism to NA-centrism - <i>Alexis De Tiège</i> |
| 5:40pm-6:00pm 6:00pm-6:20pm | The gene after encode: a Wittgensteinian approach - <i>Emanuele Ratti</i> Can Ecology Inform Molecular Biology? - <i>Marco Nathan</i> |
| | |
| 5:00pm-6:30pm. 5:00pm-5:30pm | The Resistance of the Modern Synthesis (submitted papers) (Room: 214) The adaptive landscape as a unificatory tool - <i>Stefan Petkov</i> |
| 5:30pm-6:00pm | Niche Construction and the Insides and Outsides of the Modern Synthesis - Lynn Chiu |
| 6:00pm-6:30pm | At the boundary of sexual selection: examining the evolutionary explanations for the absence of the human baculum - <i>Edwin Siu</i> |
| 5:00 pm 6:30pm. | An Example of "Citizen Science" (submitted papers) (Room: 006) |
| 5:00pm-5:45pm 5:45pm-6:30pm | Citizen Science in a Democracy - Pamela Henson Technology and Access: Naturalists in the Backyard - Gabrielle Graham |
| <u>8:00pm-10:00pm</u> . | Public lecture (open to everyone, in French): Le déluge informationnel: Une opportunité pour des sciences expérimentales participatives? - Bruno Strasser (Room: Jacques 1er d'Aragon, 117, rue des Etats Généraux, 34000 Montpellier) |

Wednesday, July 10, 2013

| <u>9:00am -10:30am</u> . | Ecology and Evolution: How Ecology Matters (Interdisciplinary Session) (Room: |
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| 9:00am-9:20am | Amphi Anatomie) - Chair: Stephan Linquist Life history evolution in metapopulations - Ophelie Ronce |
| 9:20am-9:40am | Ecological Experiments that Inform Evolution: A Typology - Roberta Millstein |
| 9:40am-10:00am 10:00am-10:20am | Chaos and Unpredictability in Evolution - <i>Michael Doebeli</i> When Does Ecology Matter? The Stories of Fisher and Wright - <i>Alirio Rosales</i> |
| 10:00am-10:20am | when Does Ecology Matter: The Stories of Fisher and Wright - Almo Rosales |
| 9:00am-10:30am. | Reconceptions: Life at the Frontiers of Health and Disease (Interdisciplinary Session) (Room: Amphi Hygiene) - Chairs: Alex Broadbent & Scott Podolsky |
| 9:00am-9:30am | Pathogens as Evolving Entities: Taking the 'Microbe's View of Infection' Seriously – <i>Pierre-Olivier Methot</i> |
| 9:30am-10:00am | Reconceptualizing viruses against the shifting sands of opposing thought styles in cancer etiology and bacteriology - Neeraja Sankaran |
| 10:00am-10:30am | Life in harmony: The balancing role of the immune system - Bartlomiej Swiatczak |
| 9:00am -10:30am. | On the Expansion of the Modern Synthesis ca. 1960-1979, Session I (Room: Salle bleue) - Chair: Michael Dietrich |
| 9:00am-9:30am | The Creativity of Natural Selection? Darwin, the Synthesis, and Since - John Beatty |
| 9:30am-10:00am | A bibliometric enquiry about the Modern Synthesis (1947-2010): results and questions - Jean Gayon |
| 10:00am-10:30am | Going Molecular in Evolutionary Biology: techniques, objects, concepts and theories between 1960 and 1970 Edna Suarez-Díaz |
| 9:00am-10:30am. | Anger: new insights on a very old notion (Interdisciplinary Session) (Room: 001) – Chair: TBA |
| 9:00am-9:30am 9:30am-10:00am | Anger and personality test: A psychological investigation - <i>Nathalie Blanc</i> |
| 313 04 1010 04 | Anger in vitalist thought: Jacques Lordat and the question of passions - |
| 10:00am-10:30am | Thierry Lavabre-Bertrand, Anger and genes : a philosophical inquiry - Pascal Nouvel |
| | Thierry Lavabre-Bertrand, Anger and genes: a philosophical inquiry - Pascal Nouvel Degeneration: Rethinking Teleological Conceptions of Living Organisms |
| 10:00am-10:30am | Thierry Lavabre-Bertrand, Anger and genes: a philosophical inquiry - Pascal Nouvel |
| 10:00am-10:30am 9:00am-10:30am. 9:00am-9:30am 9:30am-10:00am | Thierry Lavabre-Bertrand, Anger and genes: a philosophical inquiry - Pascal Nouvel Degeneration: Rethinking Teleological Conceptions of Living Organisms (Room: Colloque 2) - Chair: Gordon McQuat Heredity and Deviation in the Life Sciences around 1800 - Staffan Mueller-Wille Treviranus' Biology: Degeneration and the Boundaries of Life - Joan Steigerwald |
| 10:00am-10:30am 9:00am-10:30am. 9:00am-9:30am | Thierry Lavabre-Bertrand, Anger and genes: a philosophical inquiry - Pascal Nouvel Degeneration: Rethinking Teleological Conceptions of Living Organisms (Room: Colloque 2) - Chair: Gordon McQuat Heredity and Deviation in the Life Sciences around 1800 - Staffan Mueller-Wille |
| 10:00am-10:30am 9:00am-10:30am. 9:00am-9:30am 9:30am-10:00am | Thierry Lavabre-Bertrand, Anger and genes: a philosophical inquiry - Pascal Nouvel Degeneration: Rethinking Teleological Conceptions of Living Organisms (Room: Colloque 2) - Chair: Gordon McQuat Heredity and Deviation in the Life Sciences around 1800 - Staffan Mueller-Wille Treviranus' Biology: Degeneration and the Boundaries of Life - Joan Steigerwald Early 19th century Animal and Plant Breeders' views on Variation, Degeneration and Teleology -Tarquin Holmes |
| 10:00am-10:30am 9:00am-10:30am. 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am. 9:00am-10:30am. | Thierry Lavabre-Bertrand, Anger and genes: a philosophical inquiry - Pascal Nouvel Degeneration: Rethinking Teleological Conceptions of Living Organisms (Room: Colloque 2) - Chair: Gordon McQuat Heredity and Deviation in the Life Sciences around 1800 - Staffan Mueller-Wille Treviranus' Biology: Degeneration and the Boundaries of Life - Joan Steigerwald Early 19th century Animal and Plant Breeders' views on Variation, Degeneration and Teleology -Tarquin Holmes General Issues in Philosophy of Biology A (submitted papers) (Room: 004) Multilevel Causation and the Extended Synthesis - Maximiliano Martinez |
| 10:00am-10:30am 9:00am-10:30am 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am | Thierry Lavabre-Bertrand, Anger and genes: a philosophical inquiry - Pascal Nouvel Degeneration: Rethinking Teleological Conceptions of Living Organisms (Room: Colloque 2) - Chair: Gordon McQuat Heredity and Deviation in the Life Sciences around 1800 - Staffan Mueller-Wille Treviranus' Biology: Degeneration and the Boundaries of Life - Joan Steigerwald Early 19th century Animal and Plant Breeders' views on Variation, Degeneration and Teleology -Tarquin Holmes General Issues in Philosophy of Biology A (submitted papers) (Room: 004) Multilevel Causation and the Extended Synthesis - Maximiliano Martinez Toward a Propensity Interpretation of Stochastic Mechanism: Lessons from |
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| 10:00am-10:30am 9:00am-10:30am. 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am. 9:00am-9:20am 9:20am-9:40am 9:40am-10:00am 10:00am-10:20am | Thierry Lavabre-Bertrand, Anger and genes: a philosophical inquiry - Pascal Nouvel Degeneration: Rethinking Teleological Conceptions of Living Organisms (Room: Colloque 2) - Chair: Gordon McQuat Heredity and Deviation in the Life Sciences around 1800 - Staffan Mueller-Wille Treviranus' Biology: Degeneration and the Boundaries of Life - Joan Steigerwald Early 19th century Animal and Plant Breeders' views on Variation, Degeneration and Teleology -Tarquin Holmes General Issues in Philosophy of Biology A (submitted papers) (Room: 004) Multilevel Causation and the Extended Synthesis - Maximiliano Martinez Toward a Propensity Interpretation of Stochastic Mechanism: Lessons from Fitness and Drift - Lane DesAutels Idealized Models, Explanatory Roles, and Realism - Collin Rice Causal Selection versus Causal Parity: Relevant Counterfactuals and Biologically Normal Interventions - Marcel Weber |

| 9:00am-10:30am. | Criticisms Addressed to Evolutionary Psychology (submitted papers) (Room: 001) | | | | | |
|--|---|--|--|--|--|--|
| 9:00am-9:30am | The Difference Between Ice Cream and Nazis: Evolution and the 'Hard Problem' of Human Moral Psychology - <i>P. Kyle Stanford</i> | | | | | |
| 9:30am-10:00am | Why psychiatrists shouldn't care about evolutionary psychiatry - <i>Andreas De Block</i> | | | | | |
| 10:00am-10:30am | Deep homology in mirror neurons? Epistemic problems with the extrapolatic of evo-devo schemes in cognitive science - Bernardo Yañez | | | | | |
| 9:00am-10:30am. 9:00am-9:20am | A Longue Durée History of the Cell (Room: 002) - Chair: François Duchesneau Restricted individuality. Individuals and supra-individual order in German Naturabilosophia - Susanne Lettow | | | | | |
| 9:20am-9:40am | Naturphilosophie – <i>Susanne Lettow</i> Latent Life of Organisms and the Cell Scale During the XIXth Century - <i>Stéphane Tirard</i> | | | | | |
| 9:40am-10:00am | Exploring the History of the Cell from a Transnational and Local Perspective - Marion Thomas & Florence Vienne | | | | | |
| 10:00am-10:20pm | Stem Cell Research and the Embryo. Conceptual and Practical Shifts in the 1970s - Christina Brandt | | | | | |
| 9:00am-10:30am. 9:00am-9:30am | Ethics and Its Difficulties (submitted papers) (Room: 008) Backtracking and the Ethics of Framing: Lessons from Voles and Vasopressin - Daniel McKaughan | | | | | |
| 9:30am-10:00am 10:00am-10:30am | Aristotle on the Material and Efficient Causes of Character - <i>Julie Ponesse</i> The Menace of Magisteria - <i>Richard Creath</i> | | | | | |
| 9:00am-10:30am. 9:00am-9:45am 9:45am-10:30am | Epigenetics and Its Challenges A (submitted papers) (Room: 003) Epigenetics: a view from social theory - Maurizio Meloni Heredity without parents and offspring - Mathieu Charbonneau | | | | | |
| | | | | | | |
| 9:00am-10:30am. 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am | Cultural Evolution (Room: 006) - Chair: Adrian Boutel The Kinetic Theory of Culture - Tim Lewens Expertise, Extension, Evolution - Andrew Buskell Methodological Individualism and Group Selection - Christopher Clarke | | | | | |
| 9:00am-9:30am 9:30am-10:00am | The Kinetic Theory of Culture - <i>Tim Lewens</i> Expertise, Extension, Evolution - <i>Andrew Buskell</i> | | | | | |
| 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am | The Kinetic Theory of Culture - <i>Tim Lewens</i> Expertise, Extension, Evolution - <i>Andrew Buskell</i> Methodological Individualism and Group Selection - <i>Christopher Clarke</i> Recomposing Biological Mechanisms Through Diagrams and Computational Models (around William Bechtel) (Room: Amphi Anatomie). <i>Participants</i> : | | | | | |
| 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am <u>11:00am-12:30pm</u> . | The Kinetic Theory of Culture - <i>Tim Lewens</i> Expertise, Extension, Evolution - <i>Andrew Buskell</i> Methodological Individualism and Group Selection - <i>Christopher Clarke</i> Recomposing Biological Mechanisms Through Diagrams and Computational Models (around William Bechtel) (Room: Amphi Anatomie). <i>Participants</i> : William Bechtel, Lindley Darden, Alan Love, Paul Griffiths. Round table: Evolution's narratives (Room: Amphi Hygiene) - Participants: Jan Sapp, Michael Bradie, Charbel Niño El-Hani. <i>Chair: Nathalie Gontier</i> On the Expansion of the Modern Synthesis ca. 1960-1979, Session II (Room: | | | | | |
| 9:00am-9:30am 9:30am-10:00am 10:00am-10:30am 11:00am-12:30pm. | The Kinetic Theory of Culture - <i>Tim Lewens</i> Expertise, Extension, Evolution - <i>Andrew Buskell</i> Methodological Individualism and Group Selection - <i>Christopher Clarke</i> Recomposing Biological Mechanisms Through Diagrams and Computational Models (around William Bechtel) (Room: Amphi Anatomie). <i>Participants</i> : William Bechtel, Lindley Darden, Alan Love, Paul Griffiths. Round table: Evolution's narratives (Room: Amphi Hygiene) - Participants: Jan Sapp, Michael Bradie, Charbel Niño El-Hani. <i>Chair: Nathalie Gontier</i> On the Expansion of the Modern Synthesis ca. 1960-1979, Session II (Room: Salle bleue) - <i>Chair: Roberta Millstein</i> To what extent - and why - did the Modern Synthesis give Developmental | | | | | |
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| 11:00am-12:30pm. | Testing the ZFEL in a Macro-evolutionary Context (Room: 004) - Chair: Matthew Haber | | | | | | |
|--|---|--|--|--|--|--|--|
| 11:00am-11:45am 11:45am-12:30pm | Quantifying the Zero Force Evolutionary Law - Leonore Fleming Testing the ZFEL in a Macro-evolutionary Context - Robert Brandon | | | | | | |
| 11:00am-12:30pm. | The Organism Problem between Life Sciences and Philosophy of Nature around 1800 (Room: 005) - Chair: Charles Wolfe | | | | | | |
| 11:00am-11:30am | around 1800 (Room: 005) - Chair: Charles Wolfe Blumenbach: Teleology and the Laws of Vital Organization - François Duchesneau | | | | | | |
| 11:30am-12:00pm 12:00pm-12:30pm | Schelling, Oken and the Problem of Animal Classification - <i>Andrea Gambarotto</i> Hegel's Theory of Organism - <i>Luca Illetterati</i> | | | | | | |
| 11:00am-12:30pm. | Issues in Biological ModelingMechanisms, Simulations and Target Systems (Room: 008) - Chair: Michael Hunter | | | | | | |
| 11:00am-12:15pm 12:15pm-13:00pm | What is the Target of a Generlized Model? - Alkistis Elliott-Graves Trading Fiction for Performance: How to Understand Computer Simulations of Ecological Systems - Shawn Miller | | | | | | |
| 11:00am-12:30pm. 11:00am-11:30am 11:30am-12:00pm | Epigenetics and Its Challenges B (submitted papers) (Room: 003) Dissecting the explanatory power of epigenetics - Jan Baedke Conductor's baton: The meaning of the cell cycle for development, inheritance and evolution – Sebastian Gaub Towards an extended epigenetics perspective - Xochitl Arteaga-Villamil | | | | | | |
| 11:00am-12:30pm. 11:00am-11:20am 11:20am-11:40am 11:40am-12:00pm 12:00pm-12:20pm | General Issues in Philosophy of Biology B (submitted papers) (Room: 006) Morgan's Munificent Canon - Devin Sanchez Curry Biological Kinds, Physico-chemical Kinds - Jordan Bartol Astrobiology and the Evolutionary Contingency Thesis - Cory Lewis Biological essentialism, evolutionary theory and the roles of different sorts of essences - Edit Talpsepp | | | | | | |
| 11:00am-12:30pm. | Metaphors and Models in Evolutionary Biology (Room: 007) | | | | | | |
| 11:00am-11:30am | - Chair: Snait Gissis Why is Metaphor like a Model? Epistemic and Cognitive Uses of Scientific Metaphors - Ehud Lamm | | | | | | |
| 11:30am-12:00pm | Metaphor and the Evolved Mind: The Case of Darwin's "Tree of Life" - <i>Greg Priest</i> | | | | | | |
| 12:00pm-12:30pm | How the Mouse Lost its Tail: A Brief History of Lamarckophobia - Jessica Riskin | | | | | | |
| 11:00am-12:30pm. | History and Philosophy of Medical Practice (the 19th century - today) (submitted papers) (Room: Actes) | | | | | | |
| 11:00am-11:30am | Disease Avatars: the epistemology of cell reprogramming-based disease models - <i>Giuseppe Testa</i> Why so long to abandon bloodletting and why the relative lack of influence of | | | | | | |
| 11:30am-12:00pm | Why so long to abandon bloodletting, and why the relative lack of influence of the work of P.C.A Louis on its use? Reflections on whiggish queries in the history of medicine and biology <i>Ernest B. Hook</i> | | | | | | |
| 12:00pm-12:30pm | Cancer as a complex disease and a transdisciplinary challenge: ontological, epistemological and sociological implications - <i>Edgar Valadez Blanco</i> | | | | | | |
| 11:00am-12:30pm. 11:00am-11:30am 11:30am-12:00pm 12:00pm | The Nature of Living Systems (submitted papers) (Room: 125) On minimal regulation in biological systems - Leonardo Bich The ontophylogenetics of JJ. Kupiec. In between historicism and determinism of the surroundings José Carlos Gutierrez Privat The problem of time in theories of organic self-organization and self-maintenance - Francisco Güell | | | | | | |

| <u>12:30pm-2:30pm</u> . | Graduate Student Meeting – (Room: Colloque 1) | | | | | |
|---|--|--|--|--|--|--|
| 2:30pm-4:00pm. | Round table on Elliott Sober's book <i>Did Darwin write the Origin Backwards</i> (Room: Amphi Hygiene). Participants: Jean Gayon, Tim Lewens, Samir Okasha; Reply: Elliot Sober. <i>Chair: TBA</i> . | | | | | |
| 2:30pm-4:00pm. | Exploring the evolution of culture and social behavior A (Room: Colloque 1) - Chair: Sarah Richardson | | | | | |
| 2:30pm-3:00pm | Explanatory Appeals to Hormones in Evolutionary Anthropology - Stephen Downes | | | | | |
| 3:00pm-3:30pm 3:30pm-4:00pm | Fitness measures and the evolution of social behavior - Patrick Forber Learning to Spite and the Evolution of Envy - Rory Smead | | | | | |
| 2:30pm-4:00pm. | Complex Diseases: Evolutionary Models, Systems, and Explanations (Room: | | | | | |
| 2:30pm-2:50pm 2:50pm-3:10pm 3:10pm-3:30pm | Colloque 2) - Chair: Sandra D. Mitchell Explaining Obesity: Implications for Treatment and Prevention - Robert Skipper The Ecology and Evolution of Cancer - Anya Plutynski Recent reemergence of an evolutionary model of cancer growth - Michel Morange | | | | | |
| 3:30pm-3:50pm | The impact of biological uncertainty on our understanding of complex biological systems. Cancer as a paradigmatic case <i>Marta Bertolaso</i> | | | | | |
| 2:30pm-4:00pm. | Explaining adaptation: Organism/environment interactions accross time and | | | | | |
| 2:30pm-3:00pm | spatial scales (Room: 005) - Chair: Francesca Merlin Explaining the emergence of a global order out of biosphere-environment interactions: a critical appraisal of the Gaïa hypothesis theoretical foundations - Sebastien Dutreuil | | | | | |
| 3:00pm-3:30pm | Niche construction theory and the concept of adaptation without selection - Arnaud Pocheville | | | | | |
| 3:30pm-4:00pm | The extended organism. Scale, adaptation, and the nature of the individual - Scott Turner | | | | | |
| 2:30pm-4:00pm. | Reasoning with Diagrams in Biology (Room: 001) | | | | | |
| 2:30pm-3:00pm | Novice and Expert Understandings of Space in Scientific Diagrams - Ben Sheredos | | | | | |
| 3:00pm-3:30pm | Between Phenomenon and Mechanism: Diagrams as Vehicles of Intermediate Explanatory Reasoning - <i>Daniel Burnston</i> | | | | | |
| 3:30pm-4:00pm | Diagrams and the production of visual evidence - Perini Laura | | | | | |
| 2:30pm-4:00pm. | Origins of Life (Room: 002) - Chair: TBA | | | | | |
| 2:30pm-2:50pm 2:50pm-3:10pm | Going Live: The Origin of (Artificial) Life - Robert Pennock What is the driving force for life's emergence? - Robert Pascal | | | | | |
| 3:10pm-3:30pm | On the origins of autonomy: protocells as the first forms of functional integration - Sara Murillo Sánchez | | | | | |
| 3:30pm-3:50pm | Flying Mother Nature's Seed Into a New Home Near the Sun - Christian Orlic | | | | | |
| 2:30pm-4:00pm. | Issues with causation in Biology (Room: 008) - Chair: Benjamin Jantzen | | | | | |
| 2:30pm-3:00pm | Prospects of recommending management interventions on the basis of formal population viability analysis with scarce data Wes Anderson | | | | | |
| 3:00pm-3:30pm 3:30pm-4:00pm | Population Size, Type Number, and Evolutionary Outcomes - <i>Bruce Glymour</i> Integrating proximate/ultimate causation - <i>Jun Otsuka</i> | | | | | |
| 2:30pm-4:00pm. | General Issues in Philosophy of Biology C (submitted papers) (Room: 006) | | | | | |
| 2:30pm-3:00pm | Narrative Why-Explanations - Gary Fuller | | | | | |
| 3:00pm-3:30pm | Robustness Redux - Jay Odenbaugh | | | | | |
| 3:30pm-4:00pm | What's in a (natural) valuation? - David Suárez Pascal | | | | | |

| 2:30pm-4:00pm. | Figures in the History of Cell and Molecular Biology A (submitted papers) (Room: 003) | | | | | |
|---|--|--|--|--|--|--|
| 2:30pm-3:00pm | Edmund Beecher Wilson: Room: Amphioxus, the comparative and the exemplary - James Lowe | | | | | |
| 3:00pm-3:30pm | Wilhelm Roux's "The Struggle of the Parts in the Organism": a physiological synthesis of Darwinism - <i>Ghyslain Bolduc</i> | | | | | |
| 3:30pm-4:00pm | Biometrics: the controversy on telomere length as biomarker of aging - <i>Tiago Moreira</i> | | | | | |
| 2:30pm-4:00pm. | General Philosophical Issues Raised By the Theory of Evolution A (submitted papers) (Room: 007) | | | | | |
| 2:30pm-3:00pm | A New Criticism of the Paradigm of Science as Requiring Paradigms - Sheldon Richmond | | | | | |
| 3:00pm-3:30pm | Three Kinds of Constructionism: The Role of Analogies and Metaphor in the Debate over Niche Constructionism - <i>Emanuele Archetti</i> | | | | | |
| 3:30pm-4:00pm | The Moral of the Story: What Does the Evolutionary Contingency Thesis Teach Us About Biological Laws? - Jake Wright | | | | | |
| 2:30pm-4:00pm. 2:30pm-3:00pm | Organisms, Individuality, and Personality A (submitted papers) (Room: 209) Immune tolerance as a developmental process – innate immune system and | | | | | |
| 3:00pm-3:30pm | gut bacteria interactions - <i>Tami Schneider</i> Ecosystems Unto Ourselves: the concept "organism" in the age of individualized | | | | | |
| 3:30pm-4:00pm | medicine, targeted therapies, and the microbiome - <i>Julio Tuma</i> From cohesion to collaboration: how to define biological individuality - <i>Thiago Hutter</i> | | | | | |
| | | | | | | |
| 2:30pm-4:00pm. | Biodiversity, Conservation, and Sustainable Development (submitted papers) | | | | | |
| | (Room: 125) | | | | | |
| 2:30pm-4:00pm. 2:30pm-3:00pm 3:00pm-3:30pm | (Room: 125) Save the planet: eliminate biodiversity - Carlos Santana From 'Anthropological Natural Monuments' to 'Ecosystem People': Hunter | | | | | |
| 2:30pm-3:00pm | (Room: 125) Save the planet: eliminate biodiversity - Carlos Santana | | | | | |
| 2:30pm-3:00pm 3:00pm-3:30pm 3:30pm-4:00pm | (Room: 125) Save the planet: eliminate biodiversity - <i>Carlos Santana</i> From 'Anthropological Natural Monuments' to 'Ecosystem People': Hunter Gatherers and the Discourse of International Nature Conservation - <i>Raf De Bont</i> The Scientific and Technological Knowledge as a Common Good: Towards a "Sustainable Socially Justifiable Development" - <i>Carlo Marcello Almeyra</i> Issues Raised by Synthetic Biology (submitted papers) (Room: 127) | | | | | |
| 2:30pm-3:00pm 3:00pm-3:30pm 3:30pm-4:00pm 2:30pm-4:00pm. 2:30pm-2:50pm | (Room: 125) Save the planet: eliminate biodiversity - <i>Carlos Santana</i> From 'Anthropological Natural Monuments' to 'Ecosystem People': Hunter Gatherers and the Discourse of International Nature Conservation - <i>Raf De Bont</i> The Scientific and Technological Knowledge as a Common Good: Towards a "Sustainable Socially Justifiable Development" - <i>Carlo Marcello Almeyra</i> Issues Raised by Synthetic Biology (submitted papers) (Room: 127) Synthetic biology and the almighty fixers - <i>Susie Fisher</i> | | | | | |
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| 4:30pm-6:00pm. | Exploring the evolution of culture and social behavior B (Room: Colloque 1) - Chair: Sarah Richardson | | | | | |
|--------------------------------|--|--|--|--|--|--|
| 4:30pm-5:00pm 5:00pm-5:30pm | Patterns of Discordance - <i>Matt Haber</i> Cultural phylogenetics: bringing anthropology, linguistics and biology together to understand cultural evolution - <i>Fiona Jordan</i> | | | | | |
| 5:30pm-6:00pm | The Logic of Research Questions: Adaptationism, the Null Hypothesis, and the Lack of a Stopping Rule - <i>Elisabeth Lloyd</i> | | | | | |
| 4:30pm-6:00pm. | Conceptual Challenges for Human Microbiome Research (Room: 004) - Chair: Lindley Darden; Comments: Chris Diteresi | | | | | |
| 4:30pm-5:00pm | Changing views on individuality and organismality: A role for the human microbiome - <i>Mark Borrello</i> | | | | | |
| 5:00pm-5:30pm 5:30pm-6:00pm | Methodology and Ontology in the Human Microbiome Project - John Huss Ecological Metaphors in Microbiome Research - Mark Sagoff | | | | | |
| 4:30pm-6:00pm. | The explanatory role of mathematical and dynamical models in molecular and cell biology (Room: 005) – Chair: Stuart Glennan | | | | | |
| 4:30pm-4:50pm 4:50pm-5:10pm | The Mathematics of Molecular Mechanisms - <i>Tudor Baetu</i> Explaining with mathematical models: the contribution of systems engineering | | | | | |
| 4.50pm-5.10pm | to biology – Pierre-Alain Braillard | | | | | |
| 5:10pm-5:30pm 5:30pm-5:50pm | The Relevance of Irrelevance: Explanation in Systems Biology - Fridolin Gross Mechanisms, models and explanatory force - Tarik Issad & Christophe Malaterre | | | | | |
| 4:30pm-6:00pm. | Round table: Information, how meaningful it is? (Room: 001). Participants: Minus Van Baalen, Livio Riboli-Sasco. <i>Chair: Arnaud Pocheville</i> . | | | | | |
| 4:30pm-6:00pm. | Perspectives on Extinction (Room: 008) - Chair: Oren Harman | | | | | |
| 4:30pm-4:50pm | Extinction and the Value of Diversity - David Sepkoski | | | | | |
| 4:50pm-5:10pm 5:10pm-5:30pm | Ecosystem functioning and species extinctions - <i>Julien Delord</i> Once upon a Time: Construction and Realism of K-T Mass Extinction Data - <i>Marco Tamborini</i> | | | | | |
| 5:30pm-5:50pm | The unextinct: Living fossils and their place in evolutionary theory - <i>Derek Turner</i> | | | | | |
| 4:30pm-6:00pm. | Figures in the History of Cell and Molecular Biology B (submitted papers) (Room: 003) | | | | | |
| 4:30pm-5:15pm | Understanding Life: It's Not All Genes; An Examination of the Work and | | | | | |
| 5:15pm-6:00pm | Thought of Daniel Mazia - Sherrie Lyons August Weismann's First Embryological Investigations 1861-1866 - Charlotte Weissman | | | | | |
| 4:30pm-6:00pm. | General issues in philosophy of Biology D (submitted papers) (Room: 006) | | | | | |
| 4:30pm-5:00pm | Are Celibate Priests Fit? The Expanded Gene Hypothesis - Elias Khalil | | | | | |
| 5:00pm-5:30pm 5:30pm-6:00pm | Non-reductive physicalism and its discontents - <i>Paul Ryan</i> Functions for Representation - <i>Nicholas Shea</i> | | | | | |
| 4:30pm-6:00pm. | General Philosophical Issues Raised By the Theory of Evolution B (submitted papers) (Room: 007) | | | | | |
| 4:30pm-5:00pm | Metaphors and operative definitions. The case of adaptive radiation - <i>Alfonso Arroyo-Santos</i> | | | | | |
| 5:00pm-5:30pm 5:30pm-6:00pm | Evolutionary Biology and the Axiomatic Method Revisited - <i>Andreea Esanu</i> Natural Selection as Rational Inference - <i>Ryota Morimoto</i> | | | | | |
| 4:30pm-6:00pm. | Darwinian Ethics and Its Challenges (submitted papers) (Room: 125) | | | | | |
| 4:30pm-5:00pm | The Moral Lives of Animals - Michael Bradie | | | | | |
| 5:00pm-5:30pm | Evolution and the diversity of moral norms - Justin Bruner Descriptive and Prescriptive Darwinian Ethics - Jorge Oseguera Camba | | | | | |
| 5:30pm-6:00pm | Descriptive and Prescriptive Darwinian Ethics - Jorge Oseguera Gamba | | | | | |

| 4:30pm-6:00pm. | Reductionism, Emergence, and Complexity (submitted papers) (Room: 127) |
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| 4:30pm-4:50pm | Complex systems: A causal approach to biological species - <i>Elizabeth Martinez-Bautista</i> |
| 4:50pm-5:10pm | Approaches based on complexity darken rather than solve the mind-body problem - Carlos Blanco |
| 5:10pm-5:30pm | The Bilaterian Body Plan and the Evolution of Intrinsic Intentionality - <i>Alex Levine</i> |
| 5:30pm-5:50pm | Reductionism, eliminativism, and the concept of life in Descartes' biology - Barnaby Hutchins |
| 4:30pm-6:00pm. | Three Historical Studies on the Place of Microscopic Images (submitted papers) (Room: 214) |
| 4:30pm-5:00pm | The soft entrance of photography into the serious world of science at the Naples Station – <i>Christiane Groeben</i> |
| 5:00pm-5:30pm | Usage of photography by the biologist Wilhelm Giesbrecht – scientific instrument or documentation device? - <i>Katharina Steiner</i> |
| 5:30pm-6:00pm | Disposition and Morphology: Imagen and classification in 18th century - <i>Nuria Valverde Pérez</i> |
| 4:30pm-6:00pm. | Round table: Conceptual transfers and parallelism in Evolutionary biology and economics (Room: 002). Participants: Jean-Baptiste André, Mikael Cozic, Johannes Martens, Silvia De Monte, Bernard Walliser. Chair: Werner Callebaut |
| 4:30pm-6:00pm. 4:30pm-5:00pm 5:00pm-5:30pm 5:30pm-6:00pm | Organisms, Individuality, and Personality B (submitted papers) (Room: 209) Does plant genetic diversity shed light on plant individuality? - Sophie Gerber Autonomy and Multicellular Organisms - Argyris Arnellos Bacteria Cognition and Natural Agency - Fermin Fulda |

Thursday, July 11, 2013

| <u>9:00am-10:30am</u> . | Ecological explanation at different levels and scales (Interdisciplinary Session) |
|-------------------------|---|
| | (Room: Amphi Physio) - Chair: Patrick Forber & Ryan Gregory |
| 9:00am-9:30am | Distinguishing ecological from evolutionary approaches to transposable |
| | elements - Stefan Linguist |
| 9:30am-10:00am | Generality in community ecology - Karl Cottenie |
| 10:00am-10:30am | The problem of pattern and scale in ecology: what have we learned in 20 years? |
| | - Jérôme Chave |
| 9:00am-10:30am. | Round table: Philosophy of Biology and Biology Education (Room: Amphi Jean |
| J.ooaiii-10.Joaiii. | Rey) - Participants: Ingo Brigandt, Richard Burian, David Depew, Annie |
| | Jamieson, Alan Love, Anya Plutynski, Michael Ruse, Tobias Uller, Kostas |
| | Kampourakis. Chair: Thomas Reydon. |
| 9:00am-10:30am. | The Nature of Cellular Complexity (Interdisciplinary Session) (Room: Amphi 8) |
| | - Chair: Giovanni Boniolo & Ana Soto |
| 9:00am-9:20am | Mechanicism vs. Organicism: Two Views of the Cell - Daniel Nicholson |
| 9:20am-9:40am | The cell: between constraints and stochasticity - Jean-Jacques Kupiec |
| 9:40am-10:00am | Demonstrated, predictable, information-rich: why biologists should not be |
| | afraid of stochasticity in gene expression - Olivier Gandrillon |
| 10:00am-10:20am | The role of cell environment in controlling stochastic gene expression through |
| | the metabolism Andras Paldi |
| | the metabolism Andras r aldi |

| 9:00am-10:30am. | Cultural learning and cultural evolution (Room: Colloque 1) - Chair: Beth Hannon |
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| 9:00am-9:30am | Social Learning and Human Cooperation - Kim Sterelny |
| 9:30am-10:00am | Morality, evolution and culture - Matteo Mameli |
| 10:00am-10:30am | Cultural inheritance of mentalizing - Cecilia Heyes |
| 9:00am -10:30am. | The Extension of Evolutionary Theory and Its Difficulties A (submitted papers) (Room: 004) |
| 9:00am-9:30am | "Memetics is Dead! Long Live Memetics!": The importance of conceptual framing in replication-based approaches to evolution - <i>Colin Garvey</i> |
| 9:30am-10:00am | The role of analogy in cultural transmission and human dispersal - Marshall Abrams |
| 10:00am-10:30am | Reciprocal causation or hermeneutic spiral? Anthropological reflections on the theoretical integration of organismic development and niche construction with culture history - <i>Emily Schultz</i> |
| 9:00am-10:30am. | Conceptual Issues in Ecology A (submitted papers) (Room: 005) |
| 9:00am- 9:20am | Dynamical kinds and ecological theory - Benjamin Jantzen |
| 9:20am-9:40am 9:40am-10:00am | But isn't the neutral theory of ecology a null model? - William Bausman An organizational account of ecosystem functions - Victor Lefèvre |
| 10:00am-10:20am | Is the neutral theory of community ecology really neutral? - François Munoz |
| 9:00am-10:30am. | Systems Biology A (submitted papers) (Room: 001) |
| 9:00am-9:30am | Hierarchical approach at the core of organicist and systemic views in biology - Jon Umerez |
| 9:30am-10:00am | Institutional and Epistemic Practices in Systems Biology - Ramya Rajagopalan |
| 10:00am-10:30am | Mechanisms in Systems Biology: do they explain enough? - Constantinos Mekios |
| 9:00am-10:30am. | A comparative history of evolutionary theories in the mid 20th century (Room: 008) - Chair: Miquel Carandell |
| 9:00am-9:20am | Falls and rises of evolutionary theories during Franco's regime (1939-1975) - Clara Florensa |
| 9:20am-9:40am | Evolutionary theories in Portugal during the dictatorial regime (1933-1974) I – Portuguese botanists' differentiated stances towards evolution - <i>Pedro Fonseca</i> |
| 9:40am-10:00am | Evolutionary theories in Portugal during the dictatorial regime (1933-1974) II – Portuguese zoologists' differentiated stances towards evolution - <i>Pedro Fonseca</i> |
| 10:00am-10:20am | Microevolution on microscales: shifting views of the temporal and spatial scales of evolution in British genecology - <i>Erick Peirson</i> |
| 9:00am-10:30am. | Different Facets of Evolutionary Psychology A (submitted papers) (Room: 003) |
| 9:00am-9:30am | Phylogenetic Footprints in Organizational Behavior - <i>Ulrich Witt</i> |
| 9:30am-10:00am | Birds Trust Their Wings, Sharks Their Teeth, and Humans Their Minds: The |
| 10:00am-10:30am | Critical Intelligence Argument Against Naturalism - John Mizzoni Conflict resolution in primates from an evolutionary approach - Alba Perez-Ruiz |
| 9:00am-10:30am. | Mechanistic Explanations A (submitted papers) (Room: 006) |
| 9:00am-9:20am | A Salmonian Approach to Mechanistic Explanations - Sarah Roe |
| 9:20am-9:40am 9:40am-10:00am | Abstract Models, Generic Mechanisms - Catherine Stinson Understanding the "machine metaphor": organizational similarities and |
| 10:00am-10:20am | Understanding the "machine metaphor": organizational similarities and differences between machines and living beings - <i>Victor Marques</i> Conflicting Results for Natural Selection and the New Philosophy of |
| 10.00am-10.20am | Mechanism - Lucas Matthews |

| 9:00am-10:30am. | Frameworks and Representation of Cells and Genes I. Lineages | | | | | |
|---|---|--|--|--|--|--|
| 9:00am-9:30am | (Room: Colloque 2) - Chair: Denis Thieffry Stem trees, stem lines, stem cells - Ernst Haeckel's and August Weismann's | | | | | |
| 9:30am-10:00am 10:00am-10:30am | legacy to stem cell research - <i>Ariane Dröscher</i> Between Molecular Ecology and Cytophysics - <i>Sabine Brauckmann</i> Justifying molecular imagery in cell biology: Goodsell vs Roberts - <i>Norberto Serpente</i> | | | | | |
| 9:00am-10:30am. | Round table: Plant Science: Its Role In Biology (Room: 002) - Participants: Jea Francois Briat, Berris Charnley, Bertrand Muller, Staffan Müller-Wille, Francis Vergara-Silva, Vassiliki Betty Smocovitis. <i>Chair: Sabina Leonelli</i> . | | | | | |
| 11:00am-12:30pm. | Developing Scaffolds in Evolution, Cognition, and Culture (Room: Amphi Physio) - Chair: Colin Allen | | | | | |
| 11:00am-11:30am 11:30am-12:00pm 12:00pm-12:30pm | Scaffolded Development – A Reproducer Perspective - James Griesemer At the Juncture of Generations: Materiality and Scaffolding - Linnda Caporael Crafting Interchangeability: A Generative Structure for the Industrial Revolution and for Evolution - William Wimsatt | | | | | |
| 11:00am-12:30pm. 11:00am-11:20am | Social microbes (Room: Amphi Jean Rey) - <i>Chair: Christopher Clarke</i> A genotypic view of social interactions in multispecies microbial communities <i>Sara Mitri</i> | | | | | |
| 11:20am-11:40am | Multispecies individuals as units of selection - John Dupre | | | | | |
| 11:40am-12:00pm 12:00pm-12:20pm | Bacterial individuality - <i>Ellen Clarke</i> Gene mobility and the concept of relatedness - <i>Jonathan Birch</i> | | | | | |
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| 11:00am-12:30pm. | Round table: Patenting Life: genes and generations (Room: Colloque 1) - Participants: Robert Cook-Deegan, Graham Dutfield, Jean-Paul Gaudillière, Amanda Odell-West, Bronwyn Parry, Robin Scheffler, Ravi Srinivas, Kara Swanson, Antony Taubman. <i>Chair: Berris Charnley</i> . | | | | | |
| 11:00am-12:30pm. 11:00am-12:30pm. | Participants: Robert Cook-Deegan, Graham Dutfield, Jean-Paul Gaudillière, Amanda Odell-West, Bronwyn Parry, Robin Scheffler, Ravi Srinivas, Kara Swanson, Antony Taubman. <i>Chair: Berris Charnley</i> . The Extension of Evolutionary Theory and Its Difficulties B (submitted papers) | | | | | |
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| 11:00am-12:30pm. 11:00am-11:30am 11:30am-12:00am 12:00pm-12:30pm. 11:00am-11:30am 11:30am-12:00pm 12:00pm-12:30pm | Participants: Robert Cook-Deegan, Graham Dutfield, Jean-Paul Gaudillière, Amanda Odell-West, Bronwyn Parry, Robin Scheffler, Ravi Srinivas, Kara Swanson, Antony Taubman. Chair: Berris Charnley. The Extension of Evolutionary Theory and Its Difficulties B (submitted papers) (Room: 004) The evolution of technology is Darwinian - Mark Bedau Beyond Generalized Darwinism: Considering Alternative Ways to Articulate Evolutionary Economics - Werner Callebaut The Relevance of Human Evolutionary History to Evolutionary Game Theory - Rebecca MacIntosh Conceptual Issues in Ecology B (submitted papers) (Room: 005) Function in ecology: description of the scientific uses and an epistemological framework - Nei Nunes-Neto What may be General Ecology? - Michel Godron Functionality in Open Dynamical Systems: The Case of Ecology - John Collier Systems Biology B (submitted papers) (Room: 001) Metabolic data and mathematical models - Josephine Donaghy | | | | | |
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| 11:00am-12:30pm. 11:00am-11:45am 11:45am-12:30pm | Transhumanism (submitted papers) (Room: 008) Reimagining the Guiding Forces of Synthetic Biology: The Ethical Preoccupation of Transhumanism - <i>Laura Adams</i> Bioethical issues on genetic enhancement : between conservatism and transhumanism - <i>Laurence Perbal</i> | | | | | |
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| 11:00am-12:30pm. 11:00am-11:30am 11:30am-12:00pm | Different Facets of Evolutionary Psychology B (submitted papers) (Room: 003) Towards a new evolutionary psychology - O'Neal Buchanan The Cambrian Explosion and the Origins of Embodied Cognition - Michae Trestman | | | | | |
| 11:00am-12:30pm. 11:00am-11:20am 11:20am-11:40am 11:40am-12:00pm | Mechanistic Explanations B (submitted papers) (Room: 006) Mechanistic Explanation & Evo-Devo - Fabrizzio Mc Manus Explanatory frameworks in molecular oncology: the case of the gene p53 - Paolo Maugeri - Alessandro Blasimme - Pierre-Luc Germain From Cyborg to Replicant: The Historical Transition from Mechanical Transplants to Digital Genetic Intervention. The Heart Case - Carlos Guevara- Casas | | | | | |
| 12:00pm-12:20pm | Statistical Learning as a Mechanism - Riana Betzler | | | | | |
| 11:00am-12:30pm. 11:00am-11:45am | Genetics: Ethical Issues (submitted papers) (Room: 007) The "Devil's Heritage": Masuo Kodani, Genetics, and Social Stratification at the Atomic Bomb Casualty Commission (1946-1954) - Vassiliki Smocovitis | | | | | |
| 11:45am-12:30pm | "Genetic load", How the architects of the Synthesis got trapped in a scientific ideology – Alexandra Soulier | | | | | |
| 11.00 12.20 | The LDD Lotter and only a Clark Lot | | | | | |
| 11:00am-12:30pm. | History and Philosophy of Life sciences, 19th-20th century (submitted papers) | | | | | |
| 11:00am-12:30pm. | (Room: Actes) Progress, Adaptation, and Organism-Environment Interaction: Spencer's | | | | | |
| - | (Room: Actes) | | | | | |
| 11:00am-11:45am | (Room: Actes) Progress, Adaptation, and Organism-Environment Interaction: Spencer's Criticism of Lamarck - Federico Morganti Elan Vital Revisited: Bergson and the Thermodynamic Paradigm - James DiFrisco Frameworks and Representation of Cell and Genes II. Networks | | | | | |
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| 5:00pm-6:30pm. | Theory of Organisms (Room: 004) - Chair: Matteo Mossio | | | | | |
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| 5:00pm-5:30pm | Propagative and Repulsive constraints in molecular and cellular biology | | | | | |
| | Paul-Antoine Miguel | | | | | |
| 5:30pm-6:00pm | The Darwinian input into development and carcinogenesis. On the default | | | | | |
| 1 1 | state of cells Carlos Sonnenschein | | | | | |
| 6:00pm-6:30pm | Towards a theory of organisms - Ana Soto | | | | | |
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| 5:00pm-6:30pm. | Ethical Issues Behind Human Practices (submitted papers) (Room: 008) | | | | | |
| 5:00pm-5:20pm | Natural in the context of reproductive technologies - Maya Fisher | | | | | |
| 5:20pm-5:40pm | Un/Cut: The Ethics of Routine Infant Male Circumcision - <i>Gal Kober</i> | | | | | |
| 5:40pm-6:00pm | Body and Ren: Historical and Ethical Perspective on Organ Donation in China | | | | | |
| 3. 10pm 0.00pm | | | | | | |
| 6:00pm-6:20pm | Zhuran Li Ethical foundations of biodiversity communication - Uta Eser | | | | | |
| 0.00pm-0.20pm | Ethical foundations of blodiversity communication - Ota Escr | | | | | |
| 5:00pm-6:30pm. | Different Facets of Evolutionary Psychology C (submitted papers) (Room: 003) | | | | | |
| 5:00pm-5:20pm | Biological causes and the epistemic status of moral beliefs - <i>Elizabeth O'Neill</i> | | | | | |
| 5:20pm-5:40pm | Perception-action mechanisms as precursors to empathy - <i>Alejandro Rosas</i> | | | | | |
| 5:40pm-6:00pm | Beyond Positive Illusions: Free Will as an Adaptive Misbelief - <i>Matthew</i> | | | | | |
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| 6:00pm-6:20pm | Evolutionary Psychology and Multimodularity: Rebutting Samuels' Challenge - | | | | | |
| 0.00pm 0.20pm | Malte Dahlgrün | | | | | |
| | Marc Dangran | | | | | |
| 5:00pm-6:30pm. | Functions (submitted papers) (Room: Actes) | | | | | |
| 5:00pm-5:30pm | Counterfactuals and the Generality Requirement - Sören Häggqvist | | | | | |
| 5:30pm-6:00pm | The Modal Theory of Function: Lessons from Molecular Biology - Maximilian | | | | | |
| 3.30pm 0.00pm | Huber | | | | | |
| 6:00pm-6:30pm | Context-based functional synthesis - Marc Daëron | | | | | |
| 0.00pm 0.50pm | Context based functional synthesis mare bacton | | | | | |
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| 5:00pm-6:30pm. | History of Science in Science Education (submitted papers) (Koom: 125) | | | | | |
| 5:00pm-6:30pm. 5:00pm-5:20pm | | | | | | |
| 5:00 pm-6:30pm. 5:00pm-5:20pm | History of Science in Science Education (submitted papers) (Room: 125) The History of Science as a tool for teaching metascience: an assessment of changes in pre-service biology teachers' conceptions - Maria Flice Prestes | | | | | |
| 5:00pm-5:20pm | The History of Science as a tool for teaching metascience: an assessment of changes in pre-service biology teachers' conceptions - <i>Maria Elice Prestes</i> | | | | | |
| | The History of Science as a tool for teaching metascience: an assessment of changes in pre-service biology teachers' conceptions - <i>Maria Elice Prestes</i> The origin of electric organs: can that Darwin's special difficulty contribute to | | | | | |
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5:00pm-6:30pm. Evolutionary Theory and Causation (submitted papers) (Room: 005)

5:00pm-5:45pm Are there a priori causal relations in evolutionary theory? - *Guillaume Schlaepfer* 5:45pm-6:30pm Selection and drift: why "caused by" rather than "constitutes"? - *Björn*

Brunnander

7:00pm-10:30pm. Gala dinner (Location: Parc Grammont)

Friday, July 12, 2013

| <u>9:00am-10:30am</u> . | Round table: | Back to | Darwin's | tangled | bank (Roon | n: Amphi P | hysio) - |
|-------------------------|-----------------|------------|-----------|---------|---------------|---------------|-----------|
| | Participants: G | ireg Coope | r, Nei de | Freitas | Nunes-Neto, J | Julien Deloro | l. Chair: |

Emanuele Serrelli

9:00am-10:30am. The space of explanations in evolutionary biology A (Room: Colloque 2) -

Chair: Denis Walsh

9:00am-9:30am Statistically autonomous explanations - Andre Ariew

9:30am-10:00am Multilevel Mechanisms of Evolutionary Change - Lindley Darden

10:00am-10:30am Articulating mechanisms and topologies as mutually required in explanatory

strategies. - Philippe Huneman

9:00am-10:30am. The Question of Levels (submitted papers) (Room: 001)

9:00am-9:30am What is reductionism? - Megan Delehanty

9:30am-10:00am The problem of ontic levels in mechanistic explanation - *Ramon Alvarado*

10:00am-10:30 Levels, Hierarchy, and Scale - Alex von Stein

9:00am-10:30am. New light on species essentialisms in biology (Room: 005)

- Chair: Sébastien Dutreuil

9:00am-9:20am Essentialism, evolutionary theory, and the species concept - *Anouk Barberousse* 9:20am-9:40am "Biological species": a hybrid notion referring to a bundle of essences? -

Françoise Longy

9:40am -10:00am How feasible is intrinsic taxon essentialism? - *Thomas Reydon*

10:00am-10:20am A meta-analysis of species concepts as units of generalizations in biology -

Francesca Merlin

9:00am-10:30am. Philosophical Anthropology I: The Bio-Philosophy of Helmuth Plessner in

Context (Room: 002) - Chair: Kevin Amidon

9:00am-9:30am The substantive and methodological integration of biology, anthropology, and

philosophy in Plessner's Die Stufen des Organischen und der Mensch – Phillip

Honenberger

9:30am-10:00am Keywords in the Conceptualization of Life: Plessner's "Boundary" and Hegel's

"Deficiency" - Francesca Michelini

10:00am-10:30am Plessner's Conceptual Investigation of 'Life': Structural Narratology - Lawrence

Davis

9:00am-10:30am. Classification and Taxonomy (submitted papers) (Room: 008)

9:00am-9:45am Complex Objects and Integrative Pluralism - Joyce Havstad

9:45am-10:30am Type-specimens and the (historical) metaphysics of taxonomic practice - *Joeri*

Witteveen

9:00am-10:30am. Comparative Psychology (submitted papers) (Room: 003)

9:00am-9:45am Anthropomorphism and anti-anthropomorphism: A plea for synthesis - Hisashi

Nakao

9:45am-10:30am Basic Emotions, Flexible Aggression, and Angry Motivation - Isaac Wiegman

| 9:00am-10:30am. 9:00am-9:20am | Cooperation (submitted papers) (Room: 006) Revisiting Petr Kropotkin: Is competition necessary for natural selection? - Anne Marie Gagné Julien |
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| 9:20am-9:40am | Randomization and the alignment of biological interests: why fairness doesn't matter – <i>Johannes Martens</i> |
| 9:40am-10:00am 10:00am-10:20am | Spatial Reciprocity and the Evolution of Cooperation - Marie Barnett The evolution of empathy through parental care - Irene Audisio |
| 9:00am-10:30am. 9:00am-9:20am | Ecology and Society A (submitted papers) (Room: 007) Where Science Meets Society: A Sociological Case for Ecology - Amanda Richard |
| 9:20am-9:40am | Between place and cosmos: biodiversity knowledge, expertise and the IPBES - <i>Maud Borie</i> |
| 9:40am-10:00am 10:00am-10:20am | Environmental Crises and the Evolved Mind - Jason Zinser People save the day: the influence of public activism on the history of conservation biology and why it remains important today - Hannah Koslowsky |
| 9:00am-10:30am. | History and Philosophy of Life Sciences, 17th-18th century A (submitted papers) (Room: Actes) |
| 9:00am-9:30am | Joseph Lelarge de Lignac (1697-1762), a friend of Réaumur against the thought of Buffon – <i>Olivier Perru</i> |
| 9:30am-10:00am | Husbandry, alchemy, and technologies of ameliorating nature in the works of Gabriel Plattes – <i>Oana Matei</i> |
| 10:00am-10:30am | The Watchmen of the Body: How Early Moderns Gained an Education in the Physiology of the Eye - <i>Karen Buckle</i> |
| 9:00am-10:30am. 9:00am-9:30am | Fitness and Fitness Wars A (submitted papers) (Room: 125) Process and Product Concepts of Natural Selection and Genetic Drift - Charles Pence |
| 9:30am-10:00am 10:00am-10:30am | Measures of fitness: opening the Pandora's box - <i>Thomas Lenormand</i> Will Simpson's Paradox and the Sure Thing Principle Resolve the Fitness Wars? - <i>Peter Takacs</i> |
| 9:00am-10:30am. | What Is Genetic Information? (submitted papers) (Room: 127) |
| 9:00am-9:20am 9:20am-9:40am 9:40am-10:00am 10:00am-10:20am | The genome and the stored program concept - Ronald Planer Defending a mathematical sense of biological information - Oliver Lean Is Shannon's Information Theory Applicable to Genetic Data? - Omri Tal Genetic information as a conceptual metaphor - Tomoko Ishida |
| 11:00am-12:30pm. | Roles of viruses in Ecology, Evolution and Origins of life (Room: Colloque 1) - |
| 11:00am-11:30am 11:30am-12:00pm 12:00pm-12:30pm | Chair: Karine Prévot What roles for viruses in origin of life scenarios? - Gladys Kostyrka Viruses: Essential Agents of Life - Luis Villarreal Comments - John Dupre |
| 11:00am-12:30pm. | The space of explanations in evolutionary biology B (Room: Colloque 2) - |
| 11:00am-11:30am 11:30am-12:00pm 12:00pm-12:30pm | Chair: Lindley Darden Maximum Entropy Explanations in Biology - Lyon Aidan Asymptotic Idealization in Evolutionary Explanation - Michael Strevens Varieties of Invariance - Denis Walsh |

| 11:00am-12:30pm. | Philosophical Anthropology II: Applications in Genomics, Human Evolution, and Addiction (Room: 002) – Chair: Sara Franceschelli |
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| 11:00am-11:30am | We-Intentionality, Being-in-the-World and Multi-Level Selection: Resynthesizing an evolutionary account of anthropogenesis by way of the hominid 'super-organism' - Lenny Moss |
| 11:30am-12:00pm | Roles for technology in feeding an evolutionary feed-forward loop in the human lineage - <i>Sylvia Blad</i> |
| 12:00pm-12:30pm | Advancing Insights from Philosophical Anthropology: Addiction as a Detachment-Compensatory Occupation - Sally Wasmuth |
| 11:00am-12:30pm. | Ecology and Society B (submitted papers) (Room: 007) |
| 11:00am-11:30am | A Conflict between Biology and Geology: The "Thirty Years' War" in Coral Reef Studies, 1910-1939 - <i>Alistair Sponsel</i> |
| 11:30am-12:00pm | From local newspaper notes to DNA profiles – The science and politics of wolf population estimates in Norway from the 1960s until today - <i>Håkon B. Stokland</i> |
| 12:00pm-12:30pm | Ecosystem Function and Environmental Values - Gregory Cooper |
| 11:00am-12:30pm. | Fitness and Fitness Wars B (submitted papers) (Room: 125) |
| 11:00am-11:45am | Revisiting fitness: Trait-based Fitness - Pierrick Bourrat |
| 11:45am-12:30pm | Assessing Methodological Adaptationism: an Historical Approach - Alessandro Allegra |
| 11:00am-12:30pm. | Holism and organicism: conceptual consensus or historical typologies? (Room: 004) - Chair: Michel Morange |
| 11:00am-11:20am | Cabanis's Living Systems - Tobias Cheung |
| 11:20am-11:40am | Coming to Terms with Holism: Minimalistic Conceptual Tools for Describing and Explaining Holistic Systems in Biology - Georg Toepfer |
| 11:40am-12:00pm | Holism in biology: a restatement and defence - Matteo Mossio |
| 12:00pm-12:20pm | Holism, organicism and the risk of biochauvinism - Charles Wolfe |
| 11:00am-12:30pm. | History and Philosophy of Life Sciences, 17th-18th century B (submitted papers) (Room: Actes) |
| 11:00am-11:45am | Charles Georges Leroy and Enlightened Ethology - Jorge Martínez-Contreras |
| 11:45am-12:30pm | Charles-Georges Leroy and Auguste Comte on cooperation in animals and altruism – <i>Michel Bourdeau</i> |
| 2:00pm-5:00pm. | Excursions in and around Montpellier. |

See http://www.ishpssb2013.org/guided-tours/