

# Curriculum Vitæ

## Johannes MARTENS

Date of Birth: 26 November 1985

Citizenship: French

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## HIGHER EDUCATION

- Autumn*      **Visiting student at Bristol University (UK).** Supervisor: Samir Okasha.  
*2011*
- 2008/Present*    **PhD in philosophy,** Paris 1 – Pantheon-Sorbonne University, IHPST  
(Institute for the History and Philosophy of Science and Technology)
- Title of the dissertation: *The evolution of biological organizations: toward a unified theory of cooperation and conflict.*
- Supervisors: Jean Gayon (Paris 1) and Philippe Huneman (Paris 1)
- 2007/2008*      **Second year of Master Lophiss (Logic and Philosophy of Science),** Paris 1  
– Pantheon-Sorbonne University.
- Title of the thesis: *The concept of organism in biological theory.*
- Supervisor: Jean Gayon. Committee: Jean Gayon (Paris 1), Philippe Huneman (Paris 1), Pierre-Henri Gouyon (AgroParisTech).
- With highest distinction.**
- 2006/2007*      **First year of Master Lophiss (Logic and Philosophy of science),** Paris 1 –  
Pantheon-Sorbonne University.
- Title of the thesis: *The evolutionary approaches of psychopathology: an epistemological perspective.*

Supervisor: Jean Gayon. Committee: Jean Gayon (Paris 1), Philippe Huneman (Paris 1), Françoise Parot (Paris 5).

**With highest distinction.**

2003/2006 **Philosophy degree**, Rouen University.

Magna cum laude.

## **TEACHING**

Spring **Lectures at AgroParisTech (Paris).**

2012

Teaching duties: 7h30.

Courses topics: **Ethic, History and Philosophy of science.**

Audience: students in agronomy (1<sup>st</sup> year undergraduates).

2008/2011 **Teaching assistant** (Allocataire-Moniteur), **Paris 1 Panthéon-Sorbonne University.**

Teaching duties: 64 hours per year.

Courses topics: **Philosophy of science; methodology in philosophy.**

Audience: students in philosophy (2<sup>nd</sup> year undergraduates).

## **PUBLICATIONS**

- ***Published***

- “Social Evolution and Strategic Thinking: a defense” (2011), *Biology and Philosophy* 26(5): 697-715.
- “Organisms in evolution” (2010), *History and Philosophy of the Life Sciences* 31(2-3): 373-400.

- ***Submitted***

- (2012): “Hamilton meets causal decision theory”, submitted to *British Journal of Philosophy of Science*.

- ***In preparation***

- Edited volume with Jean Gayon: *The interplay between Economics and Evolution: Historical and Philosophical perspectives*, Springer (**under contract**).

- ***Translations (in French)***

- Translation in French of an article of H. Clark Barrett “Modules in the flesh” in *Les Mondes Darwiniens*, Syllepsis 2009.
- Translation in French and presentation of an article of R. Lewontin “The Units of Selection” (1970) in *Textes clés de la Philosophie de la Biologie* (vol.2), eds. J. Gayon and T. Pradeu; Vrin 2012 (forthcoming).

## **TALKS**

- *International conferences*

2011                    **ISHPSSB, Salt Lake City, Utah (session on selection, optimization and organization), 10<sup>th</sup>-15<sup>th</sup> July.**

“Understanding social evolution with the tools of optimization theory: a philosophical analysis”

**Conference *Evolution, cooperation and rationality*, Bristol University, 27<sup>th</sup>-29<sup>th</sup> June.**

“Inclusive investment and the maximizing agent analogy in evolutionary biology: why is Hamilton’s inclusive fitness theory still better after all?”

2009                    **ISHPSSB, Brisbane, Australia, 15<sup>th</sup> July.**

“An ‘invisible hand’ vs. a ‘tragic’ interpretation of the evolution of organisms: what role for economic metaphors in evolutionary theory?”

2008                    **Workshop *Historical and conceptual perspectives on the concept of organism*, Paris (ISHPT), 13<sup>th</sup> December.**

“The concept of organism in evolutionary theory and ecology”

- *National conferences*

2011                    **Berder Interdisciplinary School, (Morbihan, CNRS), 3<sup>rd</sup>-9<sup>th</sup> April.**

“From sociality to individuality: the major transitions in evolution under philosophical focus”

2010                    ***PhilBio* Seminar, Paris (IHPST), 21<sup>st</sup> May.**

“Thinking about biological individuality through an economic analogy”

***PhiloImmuno* Seminar, Paris (IHPST), 15<sup>th</sup> April.**

Comment on Richard Michod: “Cooperation and conflict mediation during the evolution of multicellularity : the origin of programmed cell death”

**Journées d’études sur l’Individu, Paris X, Nanterre, 19th February.**

“An economical perspective on the evolution of individuality”

2009

**Journée interdisciplinaire « Darwin 200 ans : entre sciences et humanités », ENS Ulm, 4th April.**

“The neodarwinian approaches of biological cooperation”

**Thematic School on the stability of ecosystems (from ecology to an environmental ethic) Cargèse, CNRS, February.**

Intervention with Philippe Huneman: “From ecosystems to organisms : the role of niche construction”

## **ORGANIZATION OF CONFERENCES AND SEMINARS**

- **Co-organizer with Jean Gayon and Christophe Malaterre of the second international Workshop: *Evolutionary biology and economic theory: historical perspectives of a two-way relationship*, 17<sup>th</sup>-18<sup>th</sup> February 2012, Paris IHPST.**
- **Co-organizer of the Seminar “Evolution and Economics”, with Philippe Huneman (CNRS/ Paris 1 University) and Mikaël Cozic (Paris XII University), 2009-2011.**
- **Co-organizer with Jean Gayon and Christophe Malaterre of the first international Workshop: *Evolutionary biology and economic theory: historical perspectives of a two-way relationship*, 10<sup>th</sup>-11<sup>th</sup> December 2010, Paris IHPST.**
- **Member of the EVO-ECO project (on the relations between evolutionary theory and economics), 2009-2012.**