

WS 2015/2016

Lecture & Journal Club series

## The Growth of the Evolutionary Thought

“The Growth of the Evolutionary Thought is an interdisciplinary course for Master’s and PhD students, particularly those from the faculties of **Biology, Medicine, Geosciences, and Philosophy**. It consists of a weekly series of Journal Clubs and **open** Lectures which deal with aspects of Evolution within the different disciplines.

**Organizers:** Dr. Francesco Catania, Dr. Vanessa Kloke, Prof. Dr. Joachim Kurtz

**Course language:** English

**Contents:** *Journal Club:* Tuesdays, 18:15 - 19:30, Social room in the IEB (Hüfferstraße 1)  
*Lectures:* Wednesdays, 8:45 - 10:00, Seminar room 001 in the northern Kavaliershäuschen (Schlossplatz 6)

**First meeting:** 27.10.2015, at 18:15, Social room in the IEB (Hüfferstraße 1)

**More information:** <http://ieb.uni-muenster.de/mgse/teaching>

**Questions to** Dr. Francesco Catania ([francesco.catania@uni-muenster.de](mailto:francesco.catania@uni-muenster.de))

**Contents of the Lecture series:**

| Date   | Lecture title  | Speaker                     |
|--------|--|-----------------------------|
| 28.10. | A brief history of evolutionary theories   | Prof. Dr. Joachim Kurtz     |
| 04.11. | Evolution of the planet  | Prof. Dr. Harald Strauß     |
| 11.11. | Good and bad arguments against creationism   | Prof. Dr. Ulrich Krohs      |
| 18.11. | Three major categories of RNA: impact on the evolution of genes, genomes and cellular function | Prof. Dr. Jürgen Brosius    |
| 25.11. | Lost in translation - On the origins of the genetic code                                       | Dr. Sebastian Leidel        |
| 02.12. | The evolutionary transition to multicellularity  | Dr. Katrin Hammerschmidt    |
| 09.12. | Nutritional differentiation as driver for the establishment and maintenance of biodiversity    | Prof. Dr. Jens Boenigk      |
| 16.12. | Tree of life - the protists  | Prof. Dr. Hans-Dieter Görtz |
| 13.01. | Ancestral incomplete lineage sorting and the reconstruction of the history of species          | PD Dr. Jürgen Schmitz       |
| 20.01. | Sociobiology   | Prof. Dr. Norbert Sachser   |
| 27.01. | The origin of the immune system and immune defenses in arthropods                              | Dr. Sophie Armitage         |
| 03.02. | Ecology and Evolution of phenotypic plasticity: inducible defenses in Daphnia as model system  | Prof. Dr. Ralf Tollrian     |