

ADVANCED COURSE IN PHYLOGENIES IN ECOLOGY AND EVOLUTION

May 16th-20th, 2022 @ University of Aveiro, Aveiro, Portugal

Course will cover how phylogenies can be used to address a diversity of topics in ecology and evolution. Students will learn how phylogenies can inform our understanding of evolutionary biology and ecology, and about the general approaches and specific methods that are used to do this. The course will include lectures, software workshops, and class projects.

COURSE INSTRUCTORS

[John J. Wiens](#) | University of Arizona

[Matthew O. Moreira](#) | DBio & CESAM @ University of Aveiro

PROGRAMME

May 16th | **Origins of diversity patterns**

09h00-12h00 – Lecture & reading-related group activities

14h00-15h00 – Introduction to R packages relevant to the morning's topic

15h00-17h00 – Practical exercises

May 17th | **Niche evolution**

09h00-12h00 – Lecture & reading-related group activities

14h00-15h00 – Introduction to R packages relevant to the morning's topic

15h00-17h00 – Practical exercises

May 18th | **Adaptive radiation**

09h00-12h00 – Lecture & reading-related group activities

14h00-15h00 – Introduction to R packages relevant to the morning's topic

15h00-17h00 – Practical exercises

May 19th | **Speciation**

09h00-12h00 – Lecture & reading-related group activities

14h00-15h00 – Introduction to R packages relevant to the morning's topic

15h00-17h00 – Practical exercises

May 20th | **Community ecology and conservation**

09h00-12h00 – Lecture & reading-related group activities

14h00-15h00 – Introduction to R packages relevant to the morning's topic

15h00-17h00 – Group presentations

REGISTRATION

Deadline: **March 15th, 2022**. Max. number of **20** participants.

Participation is **FREE** of charge for DBio PhD programs (10 px): Biologia | Biologia e Ecologia das Alterações Globais | Ciência, Tecnologia e Gestão do Mar

Other PhD students, **75,00€** | Other participants, **100,00€** (10 px).

To apply, please fill this [FORM](#).

Priority will be given to DBio PhD students.

REQUIREMENTS

Participants should bring their own laptop with R (<https://www.rstudio.com>) installed and basic knowledge of R is recommended.

ORGANIZING COMMITTEE

Matthew O. Moreira | University of Aveiro

John J. Wiens | University of Arizona

Eduardo Ferreira | University of Aveiro

Carlos Fonseca | University of Aveiro

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