



E²M²: Ecological and Epidemiological Modeling in Madagascar

January 3-14, 2020 at Institut Pasteur de Madagascar and Centre ValBio

We are seeking new instructors for E²M² 2020!

Applications for Instructors available at: e2m2.org

Deadline: Friday, May 31, 2019

We are pleased to announce the fourth annual E²M²: Ecological and Epidemiological Modeling in Madagascar, to be held **January 3-14, 2020**, with time split between Institut Pasteur de Madagascar (IPM) in Antananarivo and Centre ValBio (CVB) in Ranomafana National Park, Madagascar. The course will include a 3-day introduction to basic programming in R ('R Bootcamp') at IPM, followed by a week-long intensive workshop at CVB aimed to provide an introduction to the use of dynamical models in understanding ecological and epidemiological data. Students will present research plans in a final symposium, once again at IPM.

Throughout E²M², students will participate in a series of interactive lectures and computer-based tutorials and learn to fine-tune model-based research questions, develop clear model frameworks and corresponding equations, and fit models to real-world data. All students will work closely with peers and faculty to develop a research plan for an ongoing or existing project integrating dynamical modeling with data collection and/or analysis in a biological system of their choosing. These research plans can then be used as a foundation for future dissertation or grant proposals. You can peruse a working outline of our 2020 syllabus, in addition to materials from E²M² 2018 and 2019, on our website at: e2m2.org

We ask that anyone interested in teaching E²M² 2020, please fill out the application at e2m2.org by midnight on Friday, May 31, 2019 in your country of residence. Applications will be reviewed by our organizing committee, and next year's teaching team will be assembled sometime in June. Instructors will need to be fully conversant in English, with additional language skills in Malagasy and/or French considered a bonus. Additionally, instructors will need to feel comfortable teaching a majority of the materials covered in previous E²M² modules (syllabi and materials linked above). Ideas and skillsets that would expand our curriculum in complimentary ways are valued and encouraged. If you have any questions about the appropriateness of your background or training for instructing our course, either in language or in science, please do not hesitate to contact us at the emails listed below.

In the past, instructors have funded their own travel to Madagascar (if not already based in country), as well as food and lodging for the sections of the course held in Antananarivo. Funding is available within the organizing committee to cover in-country transportation from Tana to Ranomafana and back, in addition to room and board throughout the duration of the core clinic (January 6-12), for all instructors. We will consider requests for additional financial support on a case-by-case basis, based on information collected in the application.

Please do not hesitate contact Cara Brook (cbrook@berkeley.edu), Tanjona Ramiadantsoa (ramiadantsoa@wisc.edu), or Fidisoa Rasambainarivo (fidy@mahaliana.org) with any questions or concerns.

We look forward to reviewing your application!

--Misaotra betsaka from the E²M² organizing team!

Cara Brook, Tanjona Ramiadantsoa, and Fidisoa Rasambainarivo

~ Please note that applications for students for E²M² 2020 will become available in September 2019. ~