**METABARCODING AND METAGENOMICS**

**CIBIO | Virtual Event – 9-11 December 2020**

The conference will accept contributions by **registered** participants in two formats:

1. **ORAL PRESENTATIONS** will consist of **15 minutes** presentation followed by 5 minutes for discussion.
2. **POSTERS** will be displayed in the online platform. The specifications for the file will be indicated here shortly. The online platform provides the possibility of interaction with the poster presenting author, both by chat and video and is open during the 3 days of the event, even when the streaming session is closed.

**Once your abstract is ready,** name your file as **SURNAME1stAUTHOR\_O** for oral communications and **SURNAME1stAUTHOR\_P** for posters and send it to tibe@cibio.up.pt. Deadline for abstract submission is **November 8th**. Abstract acceptance will be communicated by e-mail by **November 15th**.

Please follow the following template to submit your abstract:

**Linking microhabitat use with models of foraging success in an imperilled Mediterranean stream fish**

 Joana Martelo1\*, Gary D. Grossman2, M. Filomena Magalhães1

1 cE3c, Centre for Ecology, Evolution and Environmental Changes, Faculty of Sciences, University of Lisbon, Lisbon, Portugal

2 Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA, USA

\* MARE, Marine and Environmental Sciences Centre, Faculty of Sciences, University of Lisbon, Lisbon, Portugal

jmmartelo@fc.ul.pt

The *Podarcis* genus has already been shown to comprise an immense amount of variation within itself, with more and more species being added to its ranks as more speciation events are identified through molecular approaches; nevertheless, for its African range, only *P. vaucheri* remains considered. At least two highly differentiated lineages have already been accounted for the species in the region: the “main type” and the “Jebel Sirwah” variant form. However, no comprehensive studies for its Moroccan range have been conducted, and a sound phylogeny remains undone. Intending on clarifying the relationships between the *Podarcis* lizards in Morocco, we analysed mitochondrial and nuclear sequences from samples across its whole Moroccan range, estimating a phylogeny and the divergence times for its most relevant cladogenic events, and further complementing our results with species distribution modelling for present and past conditions. We identified great mitochondrial genetic diversity within P. vaucheri, alongside clear phylogeographic patterns that were coherent with both recent and ancient past climatic conditions and events. We also obtained additional support for suggesting the elevation of the “Jebel Sirwah” variant into full species status.

Poster / Oral presentation

Session number

**Notes** *Underline the author’s name that will present the contribution*

 *Do not include addresses, only affiliations*