
Poster Session 1 – Phylogeography

40 Local persistence of Mann's soft-haired mouse *Abrothrix manni* (*Cricetidae*, *Sigmodontinae*) during Quaternary glaciations in southern Chile

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Here we present results of a phylogeographic study focused on the recently described sigmodontine species *Abrothrix manni* that is distributed in the temperate Valdivian forests in southern Chile and in neighboring areas of Argentina. Analyses were based on the first 801 bp of the mitochondrial gene Cytochrome-b from 49 individuals of *Abrothrix manni* from 10 collection localities, covering most part of the known distribution range of the species. Genealogical and demographic analyses depict for *Abrothrix manni* a history of local divergence and population long-term persistence even when facing Pleistocene climate oscillations. This information adds up to the growing evidence of a lowland coastal refuge, which would also include low altitude Andean sites.

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Jens Jacob, Jana Eccard (Editors)

6th International Conference of Rodent
Biology and Management
and
16th Rodens et Spatium

Potsdam, Germany, 3-7 September 2018

Book of Abstracts



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