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## Poster Session 1 – Rodent Behaviour

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### 12 Co-existence leads to diet shift of bank voles by competition with grey-sided voles?

**Magnus Magnusson<sup>1</sup>, Gustaf Samelius<sup>2,3</sup>, Birger Hörnfeldt<sup>1</sup>, Frauke Ecke<sup>1</sup>**

<sup>1</sup>Department of Wildlife, Fish, and Environmental Studies, Swedish University of Agricultural Sciences, Umeå, Sweden, magnus.magnusson@slu.se

<sup>2</sup>Snow Leopard Trust, 4649 Sunnyside Avenue North, Seattle, USA

<sup>3</sup>Department of Ecology, Swedish University of Agricultural Sciences, 730 91 Riddarhyttan, Sweden

Grey-sided voles (*Myodes rufocanus*) and bank voles (*Myodes glareolus*) co-exist in boreal forests in northern Scandinavia. Previous studies suggest that the two species engage in interspecific interactions, with the grey-sided vole being the dominant species. We took muscle samples from voles in patches of old forest occupied by only bank voles and patches of old forest occupied by both grey-sided voles and bank voles. We found that (1) stable isotope ratios of bank voles differed in areas with and without grey-sided voles and that (2) the stable isotope ratios of bank voles were more similar to those of grey-sided voles in areas where grey-sided voles were absent. Our data suggests that grey-sided voles forced bank voles to change their diet due to interspecific competition.

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Jens Jacob, Jana Eccard (Editors)

6<sup>th</sup> International Conference of Rodent  
Biology and Management  
and  
16<sup>th</sup> Rodens et Spatium

Potsdam, Germany, 3-7 September 2018

Book of Abstracts



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**Editors:**

Jens Jacob<sup>1</sup> and Jana Eccard<sup>2</sup>

<sup>1</sup>Julius Kühn Institute, Federal Research Centre for Cultivated Plants,  
Institute for Plant Protection in Horticulture and Forests, Vertebrate Research,  
Toppeideweg 88, 48161 Münster, Germany

<sup>2</sup>University of Potsdam, Institute of Biochemistry and Biology,  
Animal Ecology Group, Maulbeerallee 1,  
14469 Potsdam, Germany

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