



**University of  
Zurich<sup>UZH</sup>**

Department of Evolutionary Biology  
and Environmental Studies

## **SEBES Seminar for Evolutionary Biology and Environmental Studies**

*Phenotype evolution and the role of new genes*

### **Fifth Peter & Rosemary Grant Lecture in Evolutionary Biology**

**Speaker:** **Prof. Dr. Diethard Tautz**  
Max Planck Institute for Evolutionary Biology, Germany  
<https://www.evolbio.mpg.de/person/12084/15303>

**Date/Time:** Thursday, 2017-09-28  
15:00 to 16:00

**Place:** Y24-G-55/UZH Irchel  
Winterthurerstr. 190; 8057 Zürich

**Access:** only intern

**Host:** Prof. Dr. Barbara König

#### **Abstract:**

Phenotypes evolve in response to the environment, but we know next to nothing about the underlying genes and interaction networks driving such adaptations. We use natural populations of the house mouse to approach this question. House mice are a particularly good model, because they have radiated across the globe in several waves and have split into several species and subspecies within a short time. At the same time, they represent one of the best bio-medical model systems, with a wealth of genomic and genetic data available. In the talk I will mostly combine insights into the genetics of skeletal phenotype evolution, with a discussion of the role of newly evolved genes in lineage-specific adaptations.

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