



## Wintering strategies & cold-adaptation in Euro-Siberian ant species

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Ants have adapted to thrive under most climates, including where strong seasonality and low average temperatures severely restrict the energy available for activity and development. They rely on an array of behavioral and physiological strategies to cope with these harsh conditions. These involve the occurrence of an obligated winter dormancy, the modulation of cold-tolerance, and a potential metabolic compensation to cold to make the best of short growing seasons. Here, we will review the main tactics used by ants to cope with colder climates, and how our latest results articulate with our understanding of ant adaptation to cold environments.



**Friday, November 4<sup>th</sup>, 14.00**

**Zoophysiology Seminar Room (1131-127)**