

# Master Position



You would like to be part of our team?

**Send us your application NOW!**  
(including CV and motivation letter)

Application is open until 15 Nov 2021.

University of Vienna  
Dept. Functional and Evolutionary Ecology  
**Molecular Systems Biology**  
**Cell biology in crop seeds**

University of Vienna Biology Building  
Djerassiplatz 1  
1030 Vienna  
<https://mosys.univie.ac.at>

Group leader:

**Verena Ibl**  
[verena.ibl@univie.ac.at](mailto:verena.ibl@univie.ac.at)  
<https://twitter.com/VerenaIbl>

Apply to:

**Madeleine Schnurer**  
[madeleine.schnurer@univie.ac.at](mailto:madeleine.schnurer@univie.ac.at)

You have a background in **molecular biology** and/or **cell biology**. You are interested in **subcellular membrane dynamics** within a cell. And you are eager to learn more about the **interaction network of proteins**?

Then you are exactly right here!

The **IBL-group** aims to **characterize barley TOL (ESCRT-0) proteins** - belonging to a massive protein complex, important for cargo recognition and membrane remodeling (ESCRT) - during grain development and germination, and also under abiotic stress.

Our group is interdisciplinary experienced in methods from biochemistry, cell biology (microscopy), genome editing and proteomics,...

More specific you will learn about finding specific **protein-protein interactions** (Co-Ips, BiFC, Y2H, size exclusion chromatography,...) also using **proteomics** and high-end **confocal microscopy** equipment.

Long term research aim:

Production of stress resistant barley cultivars and to help to establish barley as future food grain.

Research philosophy:

Perform impactful research as near as possible to nature, including application of d-root system, while working as sustainable and as accessible as possible.

