

MASTER STUDENT POSITIONS

The Ikeda Lab is searching for highly-motivated master students in the ubiquitin and autophagy research area.

IMBA - Institute of Molecular Biotechnology is one of the leading biomedical research institutes in Europe focusing on cutting-edge functional genomics and stem cell technologies. IMBA is located at the Vienna BioCenter, the vibrant cluster of universities, research institutes and biotech companies in Austria. IMBA is a basic research institute of the Austrian Academy of Sciences, the leading national sponsor of non-university academic research.

The Ikeda Lab is interested in how the ubiquitin-machinery copes with various stress responses including autophagy, cell death and inflammation (<http://www.imba.oeaw.ac.at/research/fumiyo-ikeda/>). In particular, we work on a unique type ubiquitination called linear ubiquitination, which regulates the immune and autophagy pathways. The proposed master thesis project will focus on ubiquitination enzymes (ubiquitin E3 ligases) important for the regulation of the ubiquitination-dependent autophagy or cell death using biochemical, molecular, and cellular assays (Ikeda et al. 2011 Nature, Kumari et al. 2014 eLife, Asaoka et al. 2016 EMBO rep, Rittinger and Ikeda. 2017 Open Biology, Ebner et al. 2018 Nat Comm, Fennell et al. 2018 FEBS J).

We expect candidates to be highly motivated and hard-working and have exceptional people skills as well as excellent communication skills in English. Candidates with laboratory experience using basic molecular, cellular and biochemical techniques (such as DNA purification, PCR, sub-cloning, western blotting and tissue culture) are preferred, but not essential.

We provide expertise in the research areas of ubiquitin biology, inflammation, cell death and autophagy with a wide variety of experience in experimental techniques supported by a very active international team consisting of members from 6 countries.

If you are interested in this position, please send by email to fumiyo.ikeda@imba.oeaw.ac.at.

1. a letter of motivation describing your interest in the research area,
2. a curriculum vitae which includes details of previous lab experiences and techniques used
3. contact details of 1-2 of your referees.

Deadline of the application: September 30, 2018
Expected starting date: Autumn, 2018

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