



The Max Planck Institute of Immunobiology and Epigenetic in Freiburg, Germany, invites applications for a

## Postdoctoral position in studying E2 dependent regulation of ubiquitination and sumoylation

in the **Pichler Group**. The position is available initially for 2 years with the prospect of extension. The Pichler Group is a member of the Max Planck Society's Epigenetic Focus in Freiburg in the southwestern region of Germany, near the borders of France and Switzerland.

The candidate should be interested in studying fundamental mechanisms of ubiquitination and sumoylation. SUMO and ubiquitin are small protein regulators which are covalently attached to their substrates via an enzymatic cascade involving E1, E2 and E3 enzymes. Substrate specificity is mainly performed by E3 ligases but also E2 enzymes contribute to regulation. Using a combination of biochemistry, molecular biology and mouse genetics, we aim to further elucidate the role of E2 enzyme regulation and the respective biological consequences. The successful applicant will establish and analyse mouse models to study E2 regulation. Mouse models will be generated and analyzed in close collaboration with Dr. Klaus Peter Knobeloch from the Neuropathology department, University of Freiburg.

Applicants should hold a Ph.D. degree and have a strong background in mouse genetics. Previous experience with the analysis of knockout models is a plus.

Salaries will be according to the German public service scale (TVöD E13) and will commensurate with experience. A childcare facility is directly attached to the institute. Handicapped applicants with equal qualifications will be given preferential treatment. The Max Planck Society seeks to increase the number of women in areas, where they are underrepresented, and therefore explicitly encourages women to apply.

Applications including curriculum vitae and a list of three references indicating the reference number 040211 should be send via e-mail to Ms. Klank at [klank@immunbio.mpg.de](mailto:klank@immunbio.mpg.de).

Deadline for applications is March 31st, 2011.

