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## **A position for a postdoctoral biochemist**

is available immediately in the laboratory of

**Martin Parniske in Munich, Germany**, to study the

### **biochemistry of plant transcription factors.**

The ideal applicant holds a recently completed PhD and acquired a strong background in protein biochemistry relevant to transcription factors and their interactions including analysis of protein structure using X-ray crystallography or cryo-electron microscopy or protein-protein and protein-DNA interaction *in vitro* using technologies such as gel filtration (FPLC) and dynamic light scattering (DLS), surface plasmon resonance (SPR), micro-scale thermophoresis (MST), or similar. The successful applicant will also be involved in mentoring of undergraduate students.

The postdoctoral scientist will contribute to the larger ongoing project funded by the European Research Council (ERC) to study the evolution of the nitrogen-fixing root nodule symbiosis.

Crop production worldwide is sustained through nitrogen fertilizer produced via the energy-demanding Haber-Bosch process. One group of closely related plants evolved to become independent of nitrogen from the soil by engaging in symbiosis with bacteria that convert atmospheric nitrogen to plant-usable ammonium. The project builds on the underlying idea that the nitrogen-fixing root nodule symbiosis evolved by co-opting preexisting developmental programs. By focusing on transcription factors, the postdoctoral scientist will investigate and compare the connections between signaling pathways present in non-nodulating and nodulating relatives at the biochemical level.

The Parniske laboratory is situated in the Biocenter of the University of Munich (LMU), Germany. The Biocenter is equipped with state of the art instrumentation to carry out molecular, biochemical and cell biological research.

For further information about the Parniske lab and the scientific background of this project please visit: [www.genetik.biologie.uni-muenchen.de](http://www.genetik.biologie.uni-muenchen.de)

To apply, please send your application including your curriculum vitae, names of two referees and a motivation letter via email to Martin Parniske ([parniske@lmu.de](mailto:parniske@lmu.de)). Please include a referral to this advert in your cover letter.