

## PhD position in Molecular Plant Biology

A PhD position in plant molecular biology is currently available at the laboratory of Prof. Joost van Dongen of the research unit Molecular Ecology of the Rhizosphere, RWTH Aachen University, Germany, under the supervision of Prof. Joost van Dongen and Dr. Romy Schmidt.

The goal of the project will be uncovering the molecular signaling mechanisms of plants during low-oxygen stress. Previously, we identified a novel oxygen signaling pathway in plants (see Licausi et al., 2011, Nature, 479:419-22), which will be further investigated in the here proposed project. Specifically, a combination of phosphoproteomics, protein-protein interaction studies, expression profiling and molecular biology techniques will be used to reveal the initial molecular events upon low-oxygen stress in the model plant species *Arabidopsis*. For further background information please contact us directly by email: [roschmidt@bio1.rwth-aachen.de](mailto:roschmidt@bio1.rwth-aachen.de) & [dongen@bio1.rwth-aachen.de](mailto:dongen@bio1.rwth-aachen.de).

The position is part of the DFG-funded project 'Phosphorylation events controlling low oxygen-signaling in *Arabidopsis thaliana*' and involves collaborations with partner labs across Germany. We provide an exciting and dynamic research environment, well-equipped labs, friendly and experienced colleagues with excellent international connections and dedicated training in the relevant techniques and skills to the highest standard.

We look for a dedicated PhD candidate with a strong interest in plant science, molecular biology and protein science. Practical experience in molecular biology, biochemistry and plant growth will be of benefit. The applicant should hold a Master degree (or equivalent) in Biology or another relevant subject such as Biochemistry or Biotechnology. Very good language skills in either English or German are required.

Please apply by email submitting a single PDF document in English or German containing a detailed CV, a brief summary of previous research projects, and the names of two potential referees by **30th of November 2017** to: Christiane Welsch, [welsch@bio1.rwth-aachen.de](mailto:welsch@bio1.rwth-aachen.de).

Aachen, 10.10.17