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The research group of PD Dr. Ralf Welsch at the Faculty of Biology II at the University of Freiburg is looking for a

Postdoctoral Scientist in Biochemistry

Research in the group focuses on plant single cell proliferation and will continue with previously initiated research on metabolic and signalling aspects of apocarotenoids. The project aims to unravel the fate of carotenoids upon degradation and to identify metabolic pathways involved, including the formation of yet unknown regulatory metabolites. Suitable candidates should be experienced in both molecular biology and biochemistry with a strong focus on apocarotenoid analytics.

Your tasks

- Identification and quantification of apocarotenoids via LC-MS (Thermo Fisher Scientific, UltiMate 3000 UPLC/Q-Exactive)
- Quantitative carotenoid analysis (HPLC)
- RNASeq analysis (sample preparation, data analysis)
- Gene expression analysis with qRT-PCR
- Establishment of enzyme assays, including cloning and recombinant protein expression
- Active participation in research projects, participation in mentoring of students
- Writing of manuscripts and project proposals

Your profile

- PhD in Biochemistry, Biotechnology or a related Life Science discipline (with strong background in analytics)
- Experience in the analysis of small molecules by LC-MS (ideally apocarotenoids) is essential
- Experience in recombinant protein expression and the establishment of functional enzyme assays is essential
- Experience in transcriptome analysis is advantageous
- Excellent English communication, writing, and organizational skills
- Highly self-motivated and strong capability to work independently

— Send application to

The DFG-funded full-time position is available from February 1st 2019, initially for two years with the possibility of an extension for one year. The salary will be determined in accordance with E13. Applications of women are encouraged. Applications should include CV, study certificates, areas of expertise and interests, list of publications, and the names and addresses of two referees as one single PDF file electronically to PD Dr. Ralf Welsch (ralf.welsch@biologie.uni-freiburg.de). Review of applications will begin immediately and continue until the position is filled.

General and legal remarks:

Full-time positions may generally be split up into two or more part-time positions, provided that there are no formal or legal barriers. Candidates are selected in accordance with the provisions of the AGG (Allgemeines Gleichbehandlungsgesetz - German General Equal Treatment Act). Applicants with disabilities (Schwerbehinderte Menschen) will be given preferential consideration in case of equal qualification.