



In the group

Molecular Cell Dynamics, Jun. Prof. Dr. M. Simon

Saarland University, Centre for Human and Molecular Biology, a PhD student position is available focusing on molecular Mechanisms of RNA interference.

We offer a three year position (50% TV-L 13) searching for a highly motivated student with outstanding knowledge in molecular biology.

Experience in RNAi, siRNAs, post-transcriptional gene silencing and siRNA induced heterochromatin formation and handling of NGS data is welcome.

The aim of the project lies on characterization of small RNA biogenesis pathways from endogenous and exogenous RNA triggers. The methodological focus of the project lies on siRNA sequencing, immunoprecipitation & immunolocalization procedures, as well as on genetic manipulation of cell cultures. Complexes of RNA modifying components such as RDRBs will be identified using immunoprecipitation and subsequent mass spectrometry analysis. Roles of siRNAs will be characterized during vegetative growth, as well as during sexual reproduction thus identifying trans-generational siRNAs.

We offer a PhD student position using the most recent NGS procedures in a highly motivated team of young scientists embedded in national (DFG funded) and international (EU funded) networks.

Please send applications including detailed curriculum vitae, a synopsis of your diploma thesis, and two addresses for reference per e-mail to

martin.simon@uni-saarland.de

Deadline is Dec 4th 2016.