

PhD Student Position (f/m/d)

Development and Cancer (Uhlirva Lab)

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

Pre-mRNA splicing catalyzed by a large dynamic ribonucleo-protein machine called spliceosome represents a critical step in the regulation of gene expression, contributing to a marked expansion of proteome diversity and functional complexity in metazoans. In contrast, spliceosome malfunction hallmarks age-associated tissue decline and a wide range of diseases including cancer and neurodegeneration.

YOUR TASKS

- » To study the mechanisms underlying spliceosome assembly and functions under physiological, stress and disease conditions in *Drosophila* and mouse models combining genetics, cell biology and biochemistry with omic approaches and imaging
- » To investigate what renders different transcripts, cells, and tissues sensitive to aberrant splicing
- » To elucidate how spliceosome malfunction impacts genome stability and contributes to loss of tissue homeostasis, premature aging and diseases

YOUR PROFILE

- » Master of Science or equivalent in Biology, Biochemistry, Bioinformatics or Biophysics
- » Enthusiastic, creative and motivated to answer exciting biological questions
- » Strong interest in the mechanisms of signaling and regulation of gene expression in development and disease
- » Good communication skills, fluency in English and sense for a teamwork
- » Strong background in genetics is essential Experience with model organisms (e.g. *Drosophila*, mouse), imaging techniques, and knowledge of basic bioinformatic tools are welcome

WE OFFER YOU

- » interactive & international research group with access to the state-of-the-art imaging, proteomic, and genomic research facilities
- » a diverse and fair working environment
- » support in reconciling work and family life
- » flexible working time models
- » extensive advanced training opportunities
- » occupational health management offers
- » local transport ticket at a discount for UoC employees

The position is available from 01.01.2020 on a part-time basis (65%). The position is available for three years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

The University of Cologne is committed to equal opportunities and diversity. Women are expressly encouraged to apply and given priority in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with special needs or of equal status.

Apply online at: <https://jobportal.uni-koeln.de>.
The reference number is **Wiss1910-01**.

Your application should include:

- » a Cover Letter stating a specific motivation for the application
- » your Curriculum Vitae including your publication list
- » a brief statement of scientific achievements
- » a summary of research interests
- » contact information for two references

The application deadline is 10.11.2019.