



Washington University in St. Louis

SCHOOL OF MEDICINE

Postdoctoral position in pluripotency, signaling and epigenetics, Washington University School of Medicine in St. Louis

A postdoctoral position is available in the lab of Thorold Theunissen at Washington University School of Medicine in St. Louis, Missouri, USA (theunissenlab.wustl.edu). Our research program is dedicated to exploring the molecular regulation of pluripotent stem cells and their applications in regenerative medicine. We have developed methods for inducing and maintaining human embryonic stem cells in a naive pluripotent state that shares defining transcriptional and



Debra and George W. Couch III Biomedical Research Building

epigenetic properties with the preimplantation embryo (Theunissen et al., Cell Stem Cell, 2014; Theunissen et al., Cell Stem Cell, 2016; Theunissen and Jaenisch, Development, 2017). We are seeking a highly motivated postdoctoral fellow who wishes to join a multidisciplinary research team investigating fundamental problems in stem cell biology. Projects are available in the following areas: (1) dissecting the signaling pathways and epigenetic mechanisms governing distinct human stem cell states, and (2) establishing novel stem cell models of early human development and disease. Assays used include RNA-seq, ChIP-seq, mass spectrometry, genome editing and flow cytometry.

Applicants should have a PhD and demonstrated relevant research experience. Excellent communication skills and the ability to work in collaboration are essential. A strong background in molecular biology, human ESC/iPSC culture, and differentiation assays is preferred. Experience in signal transduction, biochemistry and bioinformatics would be very beneficial.

Consistently ranked among the top 10 US medical schools, Washington University School of Medicine offers a highly interactive and stimulating academic environment for scientists in training. The candidate's research will benefit from the highly collaborative environment within the Department of Developmental Biology and Center of Regenerative Medicine. We are located in the heart of the Central West End, a vibrant St. Louis neighborhood adjacent to major cultural institutions and one of the country's largest urban parks. We offer competitive salary and benefit packages and candidates are eligible to apply for a Rita Levi-Montalcini Postdoctoral Fellowship offered by the Center of Regenerative Medicine.

To apply for this position please submit a CV, a cover letter describing research interests, and contact information for two references who can comment on your research to t.theunissen@wustl.edu. Applications will be reviewed promptly until the position is filled. Washington University is an equal opportunity employer and complies with applicable EEO and affirmative action regulations.