Postdoctoral Fellow Position in Quantitative Single Cell Biology

A Postdoctoral Fellow position is immediately available for a highly motivated upcoming or recent Ph.D. or M.D./Ph.D. graduate in Mammalian Cell Biology or related biological field in the lab of Dr. Gregor Neuert, NIH Director’s New Innovator Awardee 2014, at Vanderbilt University, School of Medicine in Nashville, Tennessee.

The Neuert lab works on the leading edge in the quantitative understanding of molecular mechanism contributing to the function and malfunction of signal transduction and gene regulatory processes of coding and non-coding RNA in yeast and mammalian cells. Our research methods include a combination of single-molecule / single-cell experiments, next generation sequencing, predictive computational modeling, molecular biology and genetics.

We are seeking highly motivated, driven and curious applicants (recent graduate with no more than 1 year of previous postdoctoral training), a rich set of skills in mammalian cell culture and mammalian cell biology techniques with a focus on signaling or transcription, a strong background, proven record (first author publications) and rigorous training in one of the following areas: stem cell biology, cancer biology, immunology, pharmacology, developmental biology, or neuroscience.

The ideal candidate will combine his/her cell biological training with quantitative approaches from the Neuert lab to ask fundamental question related to how environmental changes over time impact cellular phenotypes, cell signaling and gene expression in single cells (see Li, Neuert, bioRxiv, 2017). The ideal candidate should have some basic quantitative training and is expected to learn computer programing.

We offer training in single cell biology, quantitative biology, computer programing, complex data analysis, novel experimental design, in addition to an exciting, highly interactive, international, interdisciplinary, and well-funded research environment with strong mentoring and career development support.

Vanderbilt University School of Medicine is ranked #8 in NIH funding, #14 in U.S. News Medical School Ranking, #25 in U.S. News Biomedical Engineering Ranking, #3 in Physiology and is equipped with world-class cutting-edge experimental and computational core facilities. Nashville is a mecca for high quality music, great restaurants, rapid access to outdoor activities and is centrally located within the US.

Interested applicants should send a curriculum vita, a summary of research experience and accomplishments, and contact information of 2-3 references to gregor.neuert@vanderbilt.edu. Applicants should explain briefly why they are interested in pursuing a postdoctoral position in general and why in the Neuert lab.

For more information please visit: https://medschool.vanderbilt.edu/neuert-lab