Postdoctoral Fellow Position in Quantitative Systems Biology

A Postdoctoral Fellow position is immediately available for a highly motivated upcoming or recent Ph.D. or M.D./Ph.D. graduate in computational biology, computer science, engineering, mathematics, physics or related quantitative 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 in single 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 (not more then 2 years of postdoctoral training) with programming experience in Matlab, Python or R and a strong background, proven record (first author publications) and rigorous training in one or more of the following areas: biophysics, cancer biology, computational biology, computational modeling, control and dynamical systems theory, immunology, neuroscience, pharmacology, single molecule biophysics, systems biology or yeast genetics. The ideal candidate will apply concepts from systems biology of signaling and gene regulation to solve important biological problems in healthy and diseased tissue.

We offer an exciting, highly interactive, international and interdisciplinary research environment with strong mentoring and career development support. Vanderbilt University School of Medicine is ranked #10 in NIH funding, #15 in U.S. News Medical School Ranking, #13 in U.S. News Biomedical Engineering Ranking and is equipped with world-class cutting-edge experimental and computational core facilities. Nashville is a mecca for high quality music, great access to outdoor activities and is centrally located within the US.

Recent selected publications:
Munsky, Fox, Neuert, Methods, 2015
Munsky, Neuert, Physical Biology, 2015
Neuert, Munsky et al. Science 2013;
Munsky, Neuert et al. Science 2012;
Bumgarner, Neuert et al. Mol.Cell 2012;
Van Werven, Neuert et al. Cell 2013

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 be competitive for post-doctoral fellowships and 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