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**WEST VIRGINIA UNIVERSITY
COLLEGE OF ENGINEERING AND MINERAL RESOURCES
DEPARTMENT OF CHEMICAL ENGINEERING
POST-DOCTORAL FELLOW IN SYSTEMS BIOLOGY**

An interdisciplinary team at West Virginia University invites applications for a postdoctoral fellow in systems biology. The Specific Job Description is for a postdoctoral fellow to participate in the experimental components of a project that bridges the Departments of Chemical Engineering and Microbiology, Immunology & Cell biology at WVU. The collaborative project focuses on understanding the systems properties of signaling networks in cancer immunology and on identifying targets or combinations of targets for therapy. The laboratory uses a systems biology approach integrating functional proteomics, computational modeling, and bioanalytical chemistry. Specific tasks include characterizing primary cells and cell lines using a variety of molecular biology techniques, such as polychromatic flow cytometry, immunopurification of multi-protein complexes, and gene delivery. This appointment will be effective January 1, 2010.

The successful candidate must hold a PhD in chemical engineering, chemistry, molecular biology or a related discipline. In addition, the successful candidate must possess the following qualifications:

- Demonstrable expertise in flow cytometry and tissue culture.
- Working knowledge of data analysis packages, such as Matlab or SigmaStat.
- Ability to communicate effectively in English both orally and in writing as demonstrated, for example, by publications in peer-reviewed journals and presentations at technical meetings.
- Ability to meet deadlines and to prepare, to present, and to report results effectively.
- Ability to collaborate effectively with co-investigators from the College of Arts and Sciences, College of Engineering and Mineral Resources, and the School of Medicine at WVU.

Experience in molecular/cell biology or cell signal transduction with an interest in computational modeling is highly desired. The postdoctoral fellow will report to Dr. David J Klinke II.

Applicants must include a curriculum vita, unofficial copies of all university transcripts, a brief statement of career interests/research goals, as well as names, addresses, phone numbers, and email addresses of at least three professional references. Applicants must provide evidence of eligibility to work in the US when the appointment begins. Review of the applications will begin November 1, 2009, but applications will be accepted until the position is filled. Women and minorities are encouraged to apply. Please send application materials as pdf files by electronic mail (preferred) to ChE-SYSBIO@mail.wvu.edu, or by mail to:

Ms. Linda Rogers
Post-Doctoral Fellow Position (SysBio)
West Virginia University
Department of Chemical Engineering
P.O. Box 6102
Morgantown, WV 26506-6102

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