

**Postdoctoral Fellow  
B. Jill Venton's Laboratory  
University of Virginia**

**Rapid capillary electrophoresis measurements of neurotransmitters**

A postdoctoral position is available in Jill Venton's lab at the University of Virginia for advanced or early-stage postdoctoral fellows with or nearing completion of a Ph.D. in chemistry, neuroscience, or bioengineering. Priority will be given to individuals with research experience in capillary electrophoresis. The position focuses on developing and utilizing rapid capillary electrophoresis (with laser-induced fluorescence or electrochemical detection) methods for separation of multiple neurotransmitters from microdialysis samples. The goal is to develop rapid methods to determine the effects of drugs of abuse in the brain of rats. Instruments are home built, so experience constructing and using custom instrumentation and/or LabView software is a plus. The postdoctoral fellow should be willing to perform animal experiments or closely supervise others doing animal experiments. The postdoctoral fellow is expected to become a leader on this project and supervise undergraduate and graduate students. The positions will include opportunities for the postdoctoral fellow to develop creative lines of research related to the major goals of the laboratory, to attend national and international scientific meetings, to apply for training and independent funding opportunities, and to grow professionally toward an independent career.

The goal of the Venton lab is to develop new analytical techniques for understanding neurotransmission and neuromodulation in the brain. To that end, we develop electrochemical and capillary electrophoresis techniques that improve temporal resolution for *in vivo* measurements and expand the number of molecules that can be monitored in the brain.

A CV and contact information for professional references should be forwarded to Professor B. Jill Venton at [jventon@virginia.edu](mailto:jventon@virginia.edu). A letter of application, briefly highlighting relevant skills, past achievements, and future research goals along with information on citizenship and/or U.S. visa status, should be included. While the position is fully funded, preference will be given to candidates who are eligible to apply in the future for United States federal grants.

Position is available now and preferably the postdoctoral fellow would start no later than summer 2011.