



Bioinformatics Staff Scientist

Research Triangle Park, North Carolina

The Laboratory of Neurobiology is seeking a Staff Scientist with a strong background in computer science, bioinformatics and advanced statistical methodologies to participate in team research on the epigenetic regulation of cellular processes. The position is ideal for a person with proven experience in theoretical sciences interested in applying his or her knowledge to cutting edge biological problems that include control of stem cell lineage, cell differentiation, neuronal development and aging in health and disease.

Research by the candidate will be in support of research directed by Dr. Lutz Birnbaumer, a Principal Investigator at the NIEHS in the central-north area of North Carolina. Dr. Birnbaumer's group at the NIEHS has developed methodology to assess genome-wide changes in the methylation status of genomic DNA at single-base-pair resolution. He and his team are using this technology to study the roles of DNA methylation in health and disease. Each experiment generates 40 to 400 million data points that require analysis by investigators familiar with the computer science and statistical tools required to extract understandable associations and differences, including postulation of regulatory networks and mechanisms of cell lineage definition.

Minimum qualifications include a doctoral degree (Ph.D. or equivalent) with a strong background in computer science, bioinformatics, and advanced statistical methodology. Experience or familiarity with modern concepts of epigenetics and regulation of cellular processes will make

a candidate particularly suitable. Salary is commensurate with background. For additional information concerning the position, contact Dr. Lutz Birnbaumer at birnbau1@niehs.nih.gov. For additional information concerning the research projects and publications, visit website: <http://www.niehs.nih.gov/research/atniehs/labs/ln/ts/>

Staff scientist positions within the NIH system are equivalent to research assistant professor positions in academia. The appointments are for 5 years, renewable if deemed appropriate. However, the expectation is that the candidate will move on with a new experience and an enriched list of publications.

Applications from women and minorities are particularly encouraged. To apply, submit a cover letter indicating interests, curriculum vitae and 3 letters of recommendation by **December 31, 2009** to:

Ms. Barbara Curtis (DIR09-05)
National Institutes of Health
National Institute of Environmental Health Sciences
P.O. Box 12233, Maildrop A2-06
111 Alexander Drive, Room A248
Research Triangle Park, NC 27709
E-mail: dir-appls@niehs.nih.gov

<http://dir.niehs.nih.gov>

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