

Systems Biology/Bioinformatics Staff Scientist

Neuro-Oncology Branch, NCI-NINDS (deadline: open-ended)

The Neuro-Oncology Branch, a trans-institute program of the National Cancer Institute and the National Institute of Neurological Disorders and Stroke of the National Institutes of Health is seeking an outstanding candidate to work in the area of cancer genomics, bioinformatics and systems biology, particularly on computational modeling of signaling and gene networks in cancer cells. Ongoing projects include the integration of -omics and clinical data in the exploration of signaling and transcriptional networks that govern cell differentiation, proliferation and migration in primary brain tumors, cancer tumor stem cells and normal embryonic neural stem cells and the translation of those discoveries to patients through the highly integrated clinical brain tumor research program. Applicants should have a strong background in mathematical and computational modeling and be expected to carry out an interdisciplinary project with experimental groups.

The Staff Scientist candidate will take a lead role in the mentorship and scientific management of a team of bioinformatics research fellows. The following skills and qualifications are required: 1) PhD in computer science, mathematics, bioinformatics, or related fields, and at least 3 years of post-doctoral training in bioinformatics and/or systems biology; 2) experience in machine learning and network generation algorithms; 3) basic knowledge of cell/molecular biology; 4) experience in genome-wide genetic and gene expression data analysis.

Please send curriculum vitae, statement of research interests and two letters of reference to: Howard A. Fine, Chief; Neuro-Oncology Branch, National Cancer Institute; MSC 8200, Room 225; 9030 Old Georgetown Road; Bethesda, MD 20892-8200 or to smithj9@mail.nih.gov. Candidates may be U.S. citizens, resident aliens, or nonresident aliens. DHHS, NIH, the National Cancer Institute and the National Institute of Neurological Disorders and Stroke are Equal Employment Opportunity and Affirmative Action employers that value and foster diversity throughout the entire organization.