Applications are invited for a postdoctoral research scientist with an interest in the following project in Dr. Frank Furnari’s Laboratory of Tumor Biology at UC San Diego (https://www.furnarilab.com/)

**Modulation of glioma cell invasion through cell communication.** This post is funded by the NINDS to address mechanisms whereby tumor cell-initiated paracrine circuitry promotes cell invasion and remodeling of the epigenome. (see Inda, *G&D*, 2010; Bonavia, *Cancer Res.*, 2011; Nathanson, *Science*, 2014; Zanca, *G&D*, 2017; Koga, *Nat. Comm.*, 2020). The position will provide a unique and multidisciplinary opportunity to study the process of cell invasion using biophysical, cell signaling, gene expression, and chromatin function approaches in a world class clinical/research center.

The primary focus of the lab is to determine mechanisms that drive initiation and progression of adult and pediatric brain cancers. Our overarching goal is to molecularly understand the formation of these tumors and target vulnerabilities that are revealed through genetic, epigenetic and pathway analyses and disease modeling. The successful applicant will join a lively and well-resourced laboratory offering collaborations with other labs within UC San Diego and the greater San Diego research community. Many state-of-the-art facilities are available, including those for in vivo imaging of animal models, microscopy, drug discovery, NGS, chromatin analysis, bioinformatics, and mass spectrometry.

The ideal candidate will have a Ph.D., M.D. or M.D./Ph.D. degree with less than one year of postdoc experience and must possess strong elements of self-motivation and the ability to work efficiently in a collaborative and collegial environment. The candidate will also have an abiding commitment to basic and translational cancer research as well as superb verbal and written communication skills. Preferred areas of experience: Cancer Biology (in vitro and in vivo tumor models), Genomics/Epigenomics (RNA-Seq, scRNA-seq, ChIP-Seq), Molecular Biology (cloning, western blotting, etc.), Biochemistry (protein purification and enzymatic assays), Proteomics, and Genetic Screens (CRISPR/Cas9 and ORF-based libraries).

**Application Process**

Interested applicants should submit a copy of their CV, the contact information (email address and phone number) of three references, and a brief statement of research skills and interest to Dr. Frank Furnari: ffurnari@ucsd.edu

*UC San Diego is committed to equal opportunities and welcomes applications from all sections of the community.*