Bioinformatics, Genomics, and Personalized Medicine in Kidney Cancer

A postdoctoral training position is available in the laboratory of James Brugarolas, M.D., Ph.D. (https://profiles.utsouthwestern.edu/profile/80679/james-brugarolas.html), in the Kidney Cancer Program (https://www.utsouthwestern.edu/departments/kidney-cancer/) at UT Southwestern Medical Center to study the genomics of kidney cancer. Our laboratory has several exciting projects in which the selected individual will have the opportunity to lead analyses that leverage an extraordinary platform of genomic datasets from a wide variety of sources including patients, tumorgrafts, and the first genetically engineered mouse models that reproduce the disease in humans. With over 1,500 original whole-exome sequencing and RNAseq datasets, and a self-updating database linking these data to structured patient data automatically extracted from the electronic medical record using i2b2 for 3,000 patients, the finalist will have unique opportunities to make significant discoveries and contributions to the field. The Brugarolas lab is also the hub of a prestigious Specialized Program of Research Excellence (SPORE) (https://www.utsouthwestern.edu/departments/kidney-cancer/awards/).

Candidates should be in the last year of their doctoral studies or within 6 months of a Ph.D. degree. Their Ph.D. should be in statistical genetics, bioinformatics, computer science, or a related field. Programming experience using Python, Perl, Java, or C/C++ and familiarity with tools such as R/Bioconductor or Matlab are essential. A track record of productivity and high-impact publications in genomics is expected. Successful applicants will have the opportunity to work in a translational research program involving not only researchers, but also physicians, clinical investigators, and geneticists.

Information on our postdoctoral training program and benefits can be found in our Postdoc Handbook or at http://www.utsouthwestern.edu/postdocs.

Interested individuals should send a CV, statement of interests, and a list of three references to:

James Brugarolas, M.D., Ph.D.
Director, Kidney Cancer Program
Sherry Wigley Crow Endowed Chair in Cancer Research
Professor, Internal Medicine/ Hematology-Oncology, Cancer Biology, Genetics,
Development and Disease
Simmons Comprehensive Cancer Center
UT Southwestern Medical Center
5323 Harry Hines Blvd.
Dallas, TX 75390-8552
https://www.brugarolaslab.com/
c/o Carson Harrod, Ph.D.
Albert.Harrod@utsw.edu

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