



USC Michelson Center

Convergence Science Initiative—Cancer

The Kuhn/Hicks Laboratory

Postdoctoral and Technical Positions in Precision Oncology Science

The Convergent Science Initiative in Cancer (CSI-Cancer) at the USC Michelson Center has the following openings below with a focus on specific single cell and liquid biopsy projects in breast, lung and prostate cancer. Our single cell biology approach allows us to look at the morphology, proteome and genome of circulating tumor cells in hopes of enabling personalized medicine in oncology.

Postdoctoral Scholar – Research Associate, Breast Cancer Focus: Understanding the temporal evolution of breast cancer under therapeutic pressure using a multimodal liquid biopsy approach.

Postdoctoral Scholar – Research Associate, Lung Cancer Focus: Earlier diagnosis to improve outcomes for lung cancer patients using an integration of clinical and liquid biopsy data.

Postdoctoral Scholar – Research Associate, Prostate Cancer Focus: Stratification of early stage/organ confined prostate cancer patients using single cell science.

Through ongoing clinical studies, the goal is to understand the temporal evolution of cancer in patients using single cell proteogenomic techniques on liquid and solid biopsies. The Kuhn-Hicks Laboratory has established an experimental workflow with which we can characterize solid and liquid biopsies from cancer patients. We are conducting clinical studies jointly with our clinical collaborators to characterize the spatial and temporal heterogeneity of cancer to better manage treatment choices.

Applicants should contact Prof. Peter Kuhn and Prof. Jim Hicks for more information:

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