

Postdoctoral Fellow in Transcription, Chromatin, Epigenetics, HPV, Molecular Virology, Cancer Biology, and Small Molecule Inhibitors

Research Area: Molecular Virology, Cancer Biology, Transcription, Chromatin, Gene Regulation, Epigenetic Control, and Posttranslational Modification

A postdoctoral training position is available in the laboratory of Dr. Cheng-Ming Chiang, PhD (<https://profiles.utsouthwestern.edu/profile/95126/cheng-ming-chiang.html>) in the Simmons Comprehensive Cancer Center at UT Southwestern Medical Center to study breast cancer, human papillomavirus (HPV), mechanism of chromatin-dependent transcription, posttranslational modification of transcription factors, cofactors and the general transcription machinery, cancer biology, and small compound development.

Our current interest is to understand the molecular basis of the epigenetic reader protein BRD4 in transcription programming, DNA repair, and cancer pathway selectivity, and further develop small molecule inhibitors to block the oncogenic function of BRD4 using biochemical, molecular, genetic, chemical biology, and genomic approaches with in vitro-reconstituted chromatin transcription, cell-based, and inducible knockout and knock-in transgenic mouse disease models. Breast cancer and HPV are two disease models presently pursued in the lab.

Applicants with a recent Ph.D. degree and a strong background in transcription, chromatin, protein biochemistry, molecular biology, virology, chemical biology, mouse models, genomics, and proteomics are encouraged to apply. Expertise in animal work is preferred but not essential.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

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

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