**Post-doctoral job description:**

A postdoctoral position is immediately available in the Barbieri laboratory to study the molecular mechanisms regulating neuroblastoma differentiation. The laboratory, funded by NCI, is currently focused on the study of an epigenetic factor, CHAF1A, which drives neuroblastoma initiation and treatment resistance, with particular emphasis on cell differentiation, epigenetics, and metabolism. The candidate will use a combination of various cell and molecular biology approaches (including RNA-seq, ChIP-seq, CRISPR-Cas9 gene editing, and neural crest models), as well as different tumors models (transgenic, xenograft, and syngeneic) to explore the regulation of differentiation during neuroblastoma progression.

Required:

• Ph.D.

• Prior first author publications.

• Strong background in cancer biology, cell and molecular biology, and mouse models of cancer. Candidates should be highly motivated to pursue an independent career in biomedical research.

Preferred:

• Background in developmental and cancer biology, with particular experience in molecular biology techniques, epigenetics, and bioinformatics.

If you are interested please contact Eveline Barbieri M.D. Ph.D. exbarbie@txch.org