

Functional Genetics and Metabolism

A postdoctoral position is available in the laboratory of [Javier Garcia-Bermudez](#) in Children's Medical Center Research Institute at UT Southwestern (CRI). Our laboratory aims to understand the role of metabolism in normal and cancer cells. Broad backgrounds in biochemistry, molecular biology, cancer biology, genetics or bioinformatics are all welcome to apply.

Our laboratory uses CRISPR/Cas9 genetic screens and other unbiased approaches to discover pathways that counteract metabolic stress ([Nature 2019](#), [Nat Cell Bio 2018](#), [Nat Chem Bio 2020](#)). We are seeking a postdoc interested in metabolism, oxidative stress and cancer. Ongoing projects in our lab aim to answer three major questions:

- Identify as-yet uncharacterized antioxidant pathways of tumors and target them as a therapeutic approach.
- Systematically interrogate what are the metabolic dependencies of human cancers in the tumor microenvironment.
- Uncover the metabolic liabilities of therapy-resistant cancer cells.
- Unveil new fundamental roles of regulated cell death programs through mechanistic studies using optogenetics and genetic screens.

Information on our postdoctoral training program and benefits can be found in our [Postdoc Handbook](#) or at [UT Southwestern's Postdoctoral Scholars page](#).

Candidates must hold a Ph.D and/or M.D. degree (or anticipate receiving their degree in the near future). Interested candidates should send a cover letter, their CV and a list of 2 or 3 references to:

Javier Garcia Bermudez, Ph.D.
Assistant Professor, Children's Research Institute CPRIT Scholar in Cancer Research
UT Southwestern Medical Center
Email: Javier.GarciaBermudez@UTSouthwestern.edu

UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.