

Functional Genomics and Cancer 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 metabolic adaptive mechanisms in cancer progression. 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 identify and target pathways that counteract metabolic stress in cancer ([Nature 2019](#), [Nat Cell Bio 2018](#), [Nat Chem Bio 2020](#)). We are seeking a postdoc interested on cancer metabolism and oxidative stress. Ongoing projects in our lab aim to answer three major questions:

- Identify as-yet uncharacterized antioxidant pathways in cancer and target them as a therapeutic approach.
- Systematically interrogate what are the metabolic limitations of hypoxic tumors.
- Uncover metabolic liabilities of therapy-resistant cancer cells.

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
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