



Metabolism in Normal and Cancer Cells

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 on 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.

Candidates must hold a Ph.D and/or M.D. degree (or anticipate receiving their degree in the near future).

Information on our postdoctoral training program, benefits, and a virtual tour can be found at

<http://www.utsouthwestern.edu/postdocs>.

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, CPRIT Scholar in Cancer Research

Children's Research Institute

UT Southwestern Medical Center

5323 Harry Hines Blvd

Dallas, TX 75235-8502

Email: Javier.GarciaBermudez@UTSouthwestern.edu

[Javier Garcia-Bermudez Laboratory | Children's Research Institute | Dallas Texas \(utsw.edu\)](#)

[Javier Garcia Bermudez, Ph.D. - Faculty Profile - UT Southwestern](#)

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