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.

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

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

Javier Garcia Bermudez, Ph.D. - Faculty Profile - UT Southwestern

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

UT Southwestern Medical Center is committed to an educational and working environment that provides equal opportunity to all members of the University community. In accordance with federal and state law, the University prohibits unlawful discrimination, including harassment, on the basis of: race; color; religion; national origin; sex; including sexual harassment; age; disability; genetic information; citizenship status; and protected veteran status. In addition, it is UT Southwestern policy to prohibit discrimination on the basis of sexual orientation, gender identity, or gender expression.