

Di Stefano Lab

at BAYLOR COLLEGE OF MEDICINE

Postdoctoral positions are available in the lab of Dr. Bruno Di Stefano (Assistant Professor, Stem Cells and Regenerative Medicine Center & the Department of Molecular and Cellular Biology) at the Baylor College of Medicine in Houston, TX.

The Di Stefano lab (distefano-lab.com) seeks to understand the post-transcriptional and epigenetic mechanisms that govern stem cell potency and cell fate decisions. The ultimate goal is to utilize these mechanistic insights for the development of new strategies to treat cancer and other complex diseases.

Specific funded project opportunities include the study of post-transcriptional mechanisms controlling hematopoietic cell fate, the investigation of epigenetic mechanisms governing stem cell pluripotency and cellular reprogramming, and the study of RNA binding protein (RBP)-alterations in lung adenocarcinoma. However, we also encourage incoming fellows to develop new projects that build upon the expertise within the lab to create independent research areas for their future careers.

We are a part of Stem Cells and Regenerative Medicine Center, the Center for Cell and Gene Therapy & the Department of Molecular and Cellular Biology at Baylor College of Medicine (BCM), a highly collaborative environment with world-class researchers. As a part of the Texas Medical Center, BCM also provides exposure to numerous outstanding researchers, clinicians, and students at institutions including MD Anderson and Rice University, providing opportunities for productive collaborations as well as teaching and mentoring experience. Houston, TX has been named one of America's most diverse cities for several years running and provides a unique opportunity to explore urban or suburban life with a low cost of living.

Desirable experience:

We are seeking enthusiastic scientists interested in exploring a range of emergent questions in stem cell biology and cancer. Candidates should have received (or be in the final stage of obtaining) a doctoral degree with a strong research background in cell biology, molecular biology, or developmental biology, and show expertise in oral and written communication of research results. Prior expertise in stem cell biology, developmental biology, RNA biology, and epigenetics is valued but not required.

Requirements:

- PhD or MD in molecular biology, developmental biology, biochemistry, or a related field
- Excellent written and spoken communication skills
- A strong track record of reporting previous work via publication and presentation
- Experience in mouse models
- A strong motivation to understand stem cell biology and push science forward

To apply:

Interested candidates should submit a curriculum vitae, contact for three references, and a statement of interest directly to Bruno Di Stefano (bruno.distefano@bcm.edu).

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Selected publications:

Di Stefano B et al. *Cell Stem Cell* 2019
Di Stefano B et al. *Nat Methods* 2018
Brumbaugh J*, Di Stefano B*, et al. *Cell* 2018
Krijger PHL*, Di Stefano B*, et al. *Cell Stem Cell* 2016
Di Stefano B et al. *Nat Cell Biol* 2016
Di Stefano B et al. *Nature* 2014