

Postdoc position

Metabolic control of cancer-associated fibroblasts

Are you a doctoral student or recent graduate with interest in metabolism, the tumor microenvironment and/or the extracellular matrix? Are you excited about the idea of targeting the stroma for anti-cancer therapy? Join our new research lab at the University of Chicago!

Who we are:

- Located in the Department of Medicine, Section of Hematology/Oncology, the Schwörer Lab studies the metabolic programs that govern regenerative responses in health and become maleficent in diseases like cancer and fibrosis
- A focus of the lab is to understand how the metabolism of cancer-associated fibroblasts (CAFs) contributes to extracellular matrix synthesis in various tumor types including pancreatic and breast cancer
- The laboratory combines mouse models and novel culture systems with metabolic flux analysis to investigate how nutrient availability and utilization dictates CAF function, and how this relates to tumor progression and therapy resistance

Who you are:

- A creative, highly motivated, and enthusiastic doctoral student or recent graduate
- A team player who likes to support other lab members and engages in collaboration with other labs in the department, on campus and at other research institutions
- Ideally you have a background in cancer biology or the extracellular matrix, and experience in mouse models of cancer or cell and molecular biology
- Ability to work independently
- Interest in shaping a new research group

What we offer:

- Possibility to choose among several exciting and funded projects investigating the metabolism of CAFs
- Opportunity to develop your own research ideas along the research interests of the lab
- Opportunity to train in metabolomics, stable isotope tracing and mass-spectrometry (GC-MS, LC-MS) in close collaboration with the Metabolomics Platform at UChicago (<https://metabolomics.bsd.uchicago.edu/>), and easy access to other new technologies
- Supportive, accessible mentor who will help you with your career development, including mentorship in manuscript and grant writing
- Free espresso!
- Compensation in the Biological Sciences Division follows the NIH NRSA Stipend scale. See additional information at <https://bsdpostdoc.uchicago.edu/>

How to apply:

- E-mail Dr. Simon Schwörer at sschworer@uchicago.edu and include a CV and a cover letter explaining your motivation to join the lab and relevant work experience