

Postdoctoral Research Fellow: Opportunity to engage in Hepato-Pancreato-Biliary system research

A postdoctoral training position is available in the laboratory of [Pranav Shivakumar](#) and [Jorge Bezerra](#) in the Division of Gastroenterology, Hepatology and Nutrition and the Biliary Atresia Research and Cure (BARC) Center, within the Department of Pediatrics at UT Southwestern Medical Center to study mechanisms of bile duct injury in the pathogenesis of a neonatal liver disease, biliary atresia. We are seeking a highly motivated and skilled Postdoctoral Research Fellow to join our dynamic research team. The successful candidate will contribute to cutting-edge research projects focused on understanding the pathophysiology of neonatal cholestatic liver diseases with a particular emphasis on utilizing organoids, flow cytometry, confocal microscopy, and mouse models. The candidate will be responsible for developing and optimizing protocols for the generation and maintenance of organoid cultures relevant to hepatobiliary and pancreatic system and conduct experiments to manipulate and analyze organoids to address key biological questions.

Candidates must hold a recent Ph.D. and/or M.D. degree. Expertise with the design and execution of flow cytometry experiments to analyze cellular populations, surface markers, and functional characteristics are highly desirable. The candidate is also expected to utilize confocal microscopy for high-resolution imaging of cellular structures and processes and be able to collaborate with team members to integrate microscopy data into broader research objectives. Experience with design and conductance of experiments involving mouse models including in vivo studies, administration of treatments, sample collection and data analysis is expected. We will train the suitable candidate in all areas of research investigations performed in our laboratory. The candidate is expected to work collaboratively with fellow researchers, technicians, and principal investigators to advance research goals and engage in interdisciplinary collaborations within the institution and potential with external research partners as necessary.

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

Interested individuals should send a CV, statement of interests, and a list of three references to:

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[Pranavkumar Shivakumar, Ph.D. - Faculty Profile - UT Southwestern](#)

[Jorge Bezerra, M.D. - Faculty Profile - UT Southwestern](#)

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