



Postdoctoral Associate – Cohn Laboratory

Department of Molecular Genetics and Microbiology
University of Florida College of Medicine

An NIH-funded postdoctoral position is available in the laboratory of [Marty Cohn](#) in the [Department of Molecular Genetics & Microbiology](#) at the [University of Florida College of Medicine](#). The position is funded by a new U01 project, [Diversification of cell types during male and female external genital development](#), which is part of the NIDDK-funded [GenitoUrinary Development Molecular Anatomy Project \(GUDMAP\)](#). The position is available immediately.

GUDMAP is an [international consortium of laboratories](#) working collaboratively towards a common goal, “to establish a comprehensive understanding of kidney and lower GenitoUrinary (GU) tract development and maturation to inform the study of tissue maturation and aging, organ dysgenesis and disease, and ultimately organ repair and regeneration”. The successful candidate will have regular interactions with other GUDMAP labs and NIDDK program officials through participation in consortium meetings, which emphasize career development for pre- and post-doctoral trainees. In addition, they will be encouraged to develop independent projects in the general areas of genitourinary development and/or evolutionary development of appendages, and to build a research portfolio that can serve as a foundation for their career as an independent investigator.

The Cohn lab ([evodevo.net](#)) investigates development of appendages, such as the external genitalia and limbs, and the cellular and molecular mechanisms underlying morphological diversity, including sex differences. The lab addresses these questions in the contexts of both congenital and evolutionary variation. The current project uses single-cell, single-molecule, and nanoscale 3-D imaging approaches to (a) compare cellular heterogeneity in male and female external genitalia, including the urethra, (b) identify novel markers of specific cell types, and (c) produce a molecular atlas of the external genitalia with single-cell resolution. It is expected that the project will generate extensive new resources for functional studies and new research opportunities that may be pursued during the period of appointment and/or in the postdoc’s future lab.

Applicants must have a Ph.D. in developmental biology or a related field. Training will be provided, although experience in the following areas will be an advantage: molecular genetics, RNA and/or ATAC sequencing and computational analysis, confocal microscopy, 3-D imaging and segmentation. Outstanding oral and written communication skills are essential.

Interested candidates are strongly encouraged to send an informal inquiry by email to mjcohn@ufl.edu and to include a brief description of research interests as they relate to this position, a CV, and the names of 3 references. Formal applications must be submitted via <https://jobs.ufl.edu>.