

WE ARE HIRING

Postdoctoral Fellow – School of Integrated Biology and Chemistry Sciences (SRGV8334)

College of Science

Scope of Job

The Astrobiochemistry Lab (<https://eloicamprubi.com/>) at the University of Texas Rio Grande Valley (UTRGV), led by Dr. Eloi Camprubi, is looking for a postdoctoral researcher to join by Fall 2025, funded by the National Science Foundation. Application deadline by 07/31/25.

- Probe the capability of amphiphiles to self-assemble into vesicle compartments and develop a robust methodology for studying their individual and population composition.
- Assess if vesicles display generational heredity – allowing for a primitive form of evolution by natural selection.
- Custom-made microfluidic setups will be used to enable the precise control and manipulation of vesicle systems constrained to the microliter scale.

Required Education

A Ph.D. in Biochemistry, Chemistry, or related disciplines from an accredited University.

Required Experience

- Expertise with vesicle/liposome study and manipulation, including confocal microscopy

Preferred Experience

- Experience with microfluidics systems or dynamic mathematical modeling
- Experience within the fields of astrobiology and abiogene

Location

Edinburg, TX

Salary

Commensurate with Experience

Get in Contact:

✉ careers@utrgv.edu 🌐 careers.utrgv.edu

☎ (956) 665-2451 or (956) 882-8205