

KACAR LAB: Postdoctoral Research Associate
NASA Astrobiology Research Consortium
Madison, WI

General lab description:

The Kacar Astrobiology Group (ancientbiology.org) at the University of Wisconsin-Madison in the Department of Bacteriology is looking to hire a Postdoctoral Researcher to explore the origins of early life, with an emphasis on evolution of metalloenzymes and their host organisms from a paleobiological and astrobiological perspective. Our lab works at the interface of synthetic biology, biochemistry, molecular microbiology and paleobiology, and is host to one of the [NASA Interdisciplinary Consortia for Astrobiology Research](#) centers dedicated to understanding early Earth biology and evolution. This position is fully funded.

Primary responsibilities of the candidate:

- Conduct independent experiments related to project goals as a part of a multi-institution and multi-PI collaborative team
- Participate in on-going projects that involve genome engineering, molecular microbiology and molecular-level characterization
- Attend and present during weekly laboratory and monthly team group meetings, maintain detailed annotated lab record/code/data on GitHub and internal databases, follow all the safety and laboratory regulations
- Data analysis and figure generation

Required qualifications:

PhD. in Microbiology/Biochemistry/Molecular Biology or related disciplines.

Demonstrated work experience in establishing / exploring relations between the molecular level behavior and systems level responses. Excellent communication, writing and presentation skills

Preferred qualifications/experience:

Experience in computational biology and/or bioinformatics is a plus.

Demonstrated interest in origins of life and/or molecular evolution

Proactive approach to research responsibilities

Strong leadership skills, and demonstrated mentorship experience

Additional information: Competitive salary with benefits, we highly encourage underrepresented groups to apply and insist that all new team members embrace the importance of equity and diversity in the workplace.

If interested contact directly: Prof. Kaçar (bkacar@wisc.edu)

Application Deadline: October 1st, 2021