

Postdoctoral Scholar, Cardiac Muscle Mechanics

Dept. of Physiology

Dr. Ken Campbell Lab

Anticipated Start Date: January 2, 2022

What does your lab study and what techniques do you use?

Research in the lab is grounded in muscle biophysics and mathematical modeling of striated muscle function but increasingly moved towards translation. Our mission is to help patients who have heart failure by bridging the scientific gaps between molecular, cellular and organ-level function. Some of our key strengths include muscle mechanics, mathematical modeling, biochemistry and histology, and biobanking human samples.

How will the postdoctoral scholar/fellow contribute to the lab?

Our lab is team oriented and collaborates with multiple groups worldwide. Our work spans from molecular function to clinical cardiology. We take professional development seriously and help each other to write grant applications and papers. The successful candidate will have opportunities to:

- perform research with human myocardial samples
- receive mentoring and support for grant development (e.g. AHA Scientist Development Grants, NIH K99s)
- receive mentoring and support for career development

What skills/experience should a successful applicant have?

We prefer candidates who have experience in one or more of the following areas:

- contractile measurements using living or chemically permeabilized cells
- assessments of ventricular function
- biochemistry (gels / blots) of sarcomeric proteins
- scientific writing

Interested applicants can send a short paragraph describing research interests and a CV by email to:

mindy.thompson@uky.edu

Lab Website: <https://sites.google.com/g.uky.edu/campbellmusclelab>

UKHR Job Posting: <https://ukjobs.uky.edu/postings/364421>

