Cell & Developmental Biology

RESEARCH TECHNICIAN
GOOD LAB, SCHOOL OF MEDICINE
UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA PA

Hello,
I am an assistant professor in Cell and Developmental Biology in the School of Medicine at Penn and looking talented seniors in Biology or Chemistry to fill a position in my lab over the next 1-2 years. Can you post the attached ad to the appropriate students? We are searching for a motivated young scientists preparing for doctoral studies and excited to work in a modern biomedical research group. They would need to be able to start in-person in June.

Scientific Focus: My laboratory is interested in how cells sense and regulate their dimensions and the consequences of cell size variation on tumorigenesis and embryogenesis. We focus on vertebrate early embryo development, a period in which cells rapidly reduce in cell size due to cell division in the absence of growth. Our primary questions include: how a cell senses its volume and coordinates cell growth and division, and the contribution of blastomere size to embryonic genome activation, and how epithelial cell size dysregulation contribute to tumor growth. Additionally, we are interested in the assembly of membraneless organelles from disordered proteins, particularly in the context of embryonic germ granules. The broader significance of our research lies in the fact that improper regulation of cell and organelle size are linked to human developmental disorders, cellular senescence and cancer progression.

Regards,
Matt Good

Assistant Professor
Department of Cell and Developmental Biology
Department of Bioengineering
University of Pennsylvania

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April 11, 2021

Senior Undergraduate Majors in Molecular or Cell Biology,

The research group of Matthew Good, Assistant Professor of Cell and Developmental Biology at the University of Pennsylvania School of Medicine, seeks a full-time lab technician to carry out research and support for a 2 year period, beginning May-June, 2021.

Interested senior students should contact me directly at: mattgood@pennmedicine.upenn.edu
215-573-1099 (office phone)

OVERVIEW: Challenge yourself intellectually and scientifically in cutting-edge research setting while preparing for graduate school or medical school.

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Website: http://www.buenoscience.org/ Twitter: @buenoscience
U.Penn Profile: http://cdb.med.upenn.edu/people/matt-good/

REQUIREMENTS
B.S. or B.A. in biology, chemistry, bioengineering, or related field (or degree completion by June 2021). Excellent communication and computer skills. Minimum of 1-year of previous laboratory experience. Experience in molecular biology, biochemistry, and fluorescence microscopy is a plus. Previous technicians have successfully matriculated to medical school and graduate school.

RESPONSIBILITIES
50% research and 50% laboratory support. Management duties will include laboratory ordering, supply and stock maintenance, preparation of common lab solutions, frog colony management and compliance with IACUC. Research requires mastering techniques from molecular biology including, cloning, RNA purification and qPCR. Additionally, biochemical techniques, including protein expression and purification; preparation of cell-free extracts; imaging – embryos and cells.

APPLICATION PROCEDURE
Contact me directly via email (mattgood@pennmedicine.upenn.edu), and have two letters of reference ready to be forwarded to me.

Regards,
Matthew Good