

PAID SUMMER RESEARCH INTERNSHIP

FOR UNDERGRADUATE STUDENTS

Paid immersive research experience in the Carvunis Lab at the University of Pittsburgh's Computational Systems Biology Department

Scientific context:

The Carvunis lab investigates how genomes change and innovate in evolution. Recently, we found thousands of seemingly random, intergenic transcripts are translated and that some can benefit cells (Wacholder et al. 2023, Vakirlis et al. 2020). Interning students will “adopt a proto-gene” to explore these evolutionarily novel proto-genes to understand how their expression affects the growth of *Saccharomyces cerevisiae* in various environments.

Internship description:

Learn to design and conduct research experiments with hands-on experience in techniques like cloning, microbial phenotyping, high-throughput robotics, and bioinformatic analysis. Mentored by Dr. Anne-Ruxandra Carvunis, Nelson Castilho Coelho and April Rich, students will join journal clubs, attend seminars and lectures, write a publication, and present at weekly group meetings. 30 hours a week compensated at \$20/hour for 10 weeks from May 20-July 26 2024. Up to \$2,000 reimbursement for moving to Pittsburgh; housing not provided, but referrals available upon request.

How to apply:

Send the following to castilho@pitt.edu by **March 5th**:

- CV including courses and relevant experiences
- One page essay explaining research motivation
- A letter of reference (from an instructor of a laboratory course or a research advisor)

Eligibility criteria:

- US citizen or permanent resident
- Current undergraduate student
- No previous research experience required



Contact Us

castilho@pitt.edu



More Information

www.carvunislab.csb.pitt.edu

www.yeastorfanproject.com



University of
Pittsburgh



The Carvunis Lab
■ Change and Innovation in Biological Systems ■■■