



Tom REIDY

PhD Student

Contact

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📍 Paris, France

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Languages

English: Native Proficiency

French: Professional Proficiency (B2)

Competencies

- Molecular Cloning
- Protein Purification
- Bacteriophage Purification
- IP/Co-IP
- Western Blotting
- BSL2+ practices
- Tissue Culture
- Fluorescence Microscopy

Interests

- Phage Engineering
- Phage Therapy
- Phage Defense Systems
- French
- Microbiome determinants of human health

Profile

PhD Student in the Synthetic Biology Unit at the Pasteur Institute under the direction of David BIKARD and Raphaël Laurenceau, developing tools for broad-range transduction using a chimera lambda phage.

Publications

- Zamora PF, **Reidy TG**, Armbruster CR, et al. *Lytic bacteriophages induce the secretion of antiviral and proinflammatory cytokines from human respiratory epithelial cells*. PLoS Biol. 2024 Apr 23. [doi:10.1371/journal.pbio.3002566](https://doi.org/10.1371/journal.pbio.3002566)
- Marmorale LJ & Jin H, **Reidy TG**, et al. *Fast-evolving cofactors regulate the role of HEATR5 complexes in intra-Golgi trafficking*. J Cell Biol, 2024 Mar 3. [doi:10.1083/jcb.202309047](https://doi.org/10.1083/jcb.202309047)

Professional Experience

Research Technician (Hatfull Lab)

University of Pittsburgh, Pittsburgh, PA | Aug. 2022 – June 2025

- Developing methods for engineering of *M. abscessus* prophages into clinically relevant lytic phages

Research Technician (Bomberger Lab)

University of Pittsburgh, Pittsburgh, PA | Aug. 2021 – Aug. 2022

- Determined effects of bacteriophages treatment on *P. aeruginosa*-infected Cystic Fibrosis Bronchial Epithelial cells in vitro

Research Assistant (Duncan Lab)

University of Michigan, Ann Arbor, MI | Oct. 2019 – Aug. 2021

- Investigated components of the AP-1 adaptor complex of clathrin-coated vesicles in *S. cerevisiae*.

Assistant de langue (TAPIF)

L'académie de Dijon, France | Oct. 2018- May 2019

- Taught English as a foreign language to French students at a STEM-oriented high school.

Education

Master of Science in Infectious Diseases and Microbiology

University of Pittsburgh | Aug. 2022 – Apr. 2025

Bachelor of Science in Cell and Molecular Biology

University of Texas | Aug. 2015 – Aug. 2018