

Curriculum vitae: **James Nicholas Yelland, Ph.D.**

Email address: [jyelland@fredhutch.org](mailto:jyelland@fredhutch.org)

### Education & Training

**2023-pres.** Postdoctoral training, Fred Hutchinson Cancer Center

Advisor: Arvind (Rasi) Subramaniam

**2017-2023** Ph.D., Biochemistry, The University of Texas at Austin

Thesis: *Ribosomal RNA modifications within the A-site of the large subunit: Consequences for ribosome assembly and translation*

Advisors: Arlen Johnson, David Taylor

**2009-2013** B.A., Biochemistry, Oberlin College

### Professional and Research Positions

**2023-pres.** Postdoctoral Research Fellow, Basic Sciences Division, Fred Hutchinson Cancer Center, Seattle, Washington

**2017-2023** Graduate Research Assistant, Interdisciplinary Life Sciences Graduate Program, The University of Texas at Austin

**2016-2017** Instructional Support & Classroom Technician II, Wenatchee Valley College at Omak, Washington

### List of Publications

**2023** **Yelland, J. N.**, Bravo, J. P. K., Black, J. J., Taylor, D. W., & Johnson, A. W. (2023). A single 2'-O-methylation of ribosomal RNA gates assembly of a functional ribosome. *Nature Structural & Molecular Biology*, 30(1), 91–98.

**2021** Schepers, M. J., **Yelland, J. N.**, Moran, N. A. & Taylor, D. W. Isolation of the *Buchnera aphidicola* flagellum basal body complexes from the *Buchnera* membrane. *PLoS One* 16, e0245710.

### Awards

**2023** Best Poster, Annual Retreat, Department of Molecular Biosciences, The University of Texas at Austin

Outstanding Research Award, Department of Molecular Biosciences, The University of Texas at Austin

- 2022** Professional Development Award, The Graduate School, The University of Texas at Austin  
Best Presentation, RNA/DNA Club, Department of Molecular Biosciences, The University of Texas at Austin  
Best Presentation, Annual Retreat, Department of Molecular Biosciences, The University of Texas at Austin  
Joshua E. Neimark Award, American Association for the Advancement of Science
- 2018** Hamilton Seed Grant, Department of Molecular Biosciences, The University of Texas at Austin
- 2013** Darmasiswa Fellowship, Indonesian Ministry of Education and Culture  
American Chemical Society Certification, Oberlin College
- 2012** Oberlin Shansi Fellowship, Oberlin College
- 2009** John Frederick Oberlin Merit Scholarship, Oberlin College

#### Talks Presented

- 2022** Annual Meeting of the RNA Society (Boulder, Colorado, USA)  
Annual Meeting of the American Association for the Advancement of Science (Online)  
BioTACOS Seminar Series, The University of Texas at Austin  
Annual Retreat, Department of Molecular Biosciences, The University of Texas at Austin  
Graduate Recruitment Weekend, Interdisciplinary Life Sciences Program, The University of Texas at Austin
- 2021** RNA/DNA Club, Department of Molecular Biosciences, The University of Texas at Austin

#### Posters Presented

- 2023** Annual Retreat, Department of Molecular Biosciences, The University of Texas at Austin (Austin, Texas)
- 2022** Ribosome Structure & Function Conference (Bordeaux, France)  
Annual Meeting of the American Association for the Advancement of Science (Online)

### Courses

**2019-2020** Teaching Assistant, Molecular Machines, Prof. Karen Browning, The University of Texas at Austin

**2018** Teaching Assistant, Fundamentals of Biochemistry, Prof. David Hoffman, The University of Texas at Austin

### Lectures

**2022** “Ribosomes & Co-Translational Folding of Proteins”, Class: “Molecular Machines”, Prof. David Taylor, The University of Texas at Austin

**2021** “Challenging Assumptions”, Class: “Molecular Machines”, Prof. Karen Browning, The University of Texas at Austin

**2020-2021** “Cryo-Electron Microscopy”, Class: “Molecular Machines”, Prof. Karen Browning, The University of Texas at Austin

### Professional Society Memberships

**2022-pres.** RNA Society

**2020-pres.** American Association for the Advancement of Science