# Yesol Sapozhnikov

2003 Ilene Dr. Moscow ID
(213) 249-2876 • yesols@uidaho.edu

## Education

| | |
|---|---|
| Current | PhD Candidate in Bioinformatics and Computational Biology<br>University of Idaho, Moscow, ID<br>Major Professor: Craig Miller, PhD<br>Dissertation topic: Studying the relationship between capsid protein stability and viral fitness using statistical and high-throughput methods |
| 2017 | MS, Biomedical Science<br>Cedars-Sinai Medical Center, Los Angeles, CA<br>Advisor: Mark Goodarzi, MD, PhD<br>Thesis: Statistical Genetic and Bioinformatic Investigation of Lipoprotein Lipase Activity in Mexican Americans |
| 2012 | MS, Nursing<br>University of California, Los Angeles, CA |
| 2009 | BS, Biochemistry<br>University of California, Los Angeles, CA |

## Professional Experience

| | |
|---|---|
| Current | Research Assistant<br>The Idaho Office of Underserved and Rural Medical Research<br>WWAMI Medical Education Program<br>University of Idaho, Moscow, ID |
| 2018-2024 | Research Assistant<br>Wichman-Miller Lab<br>Department of Biological Sciences<br>University of Idaho, Moscow, ID |
| 2014-2018 | Education Program Coordinator<br>Medical-Surgical Nursing Services<br>Cedars-Sinai Medical Center, Los Angeles, CA |
| 2012-2014 | Clinical Nurse II, Hematology/Oncology/Bone Marrow Transplant<br>Medical-Surgical Nursing Services<br>Cedars-Sinai Medical Center, Los Angeles, CA |
| 2004-2011 | Licensed Vocational Nurse<br>Various acute care and long-term care facilities in Los Angeles, CA |

## Teaching Experience

| | |
|---|---|
| 2022 | Data Carpentry: *Data Wrangling and Processing for Genomics* |
| | Software Carpentry: *What they forgot to teach you about R* |
| 2021 | Software Carpentry (helper): *Unix, Git, and Programming (R/Python) for Novices* |
| 2015-2018 | Basic Electrocardiography Course for Medical-Surgical Nurses |
| | Medical-Surgical Skills Lab |
| | Stem Cell Transplant Course: *Introduction to Immune System* |
| | Chemotherapy Practicum: *Chemotherapy Drugs* |
| | Oncology Core Curriculum Review: *Carcinogenesis* |
| | Medical-Surgical Nursing Certification Review: *Cardiovascular System Disorders; Immune System Disorders* |

## Publications

**Peer-reviewed Publications:**

**Sapozhnikov, Y.**, Patel, J. S., Ytreberg, F. M., & Miller, C. R. (2023). Statistical modeling to quantify the uncertainty of FoldX-predicted protein folding and binding stability. *BMC Bioinformatics*, *24*(1), 426.

Faber, M. S., Van Leuven, J. T., Ederer, M. M., **Sapozhnikov, Y.**, Wilson, Z. L., Wichman, H. A., Whitehead, T. A., & Miller, C. R. (2020). Saturation Mutagenesis Genome Engineering of Infective ΦX174 Bacteriophage via Unamplified Oligo Pools and Golden Gate Assembly. *ACS Synthetic Biology*, *9*(1), 125–131.

**Abstracts:**

Tovissodé, C. F., **Sapozhnikov, Y.**, Van Leuven, J. T., & Miller, C. R. A multistage binomial model with measurement errors: application to protein viability prediction. Submitted, 32nd International Biometric Conference (IBC2024).

**Sapozhnikov, Y.**, Patel, J. S., Ytreberg, F. M., & Miller, C. R. Statistical modeling to quantify the uncertainty of FoldX-predicted protein folding and binding stability. Submitted, 2024 Society for Industrial and Applied Mathematics Annual Meeting.