

# Training and Education

***PU-ICR** Monthly Series on Career Development*

## An Introduction to Cancer Bioinformatics at Purdue

*Nadia Atallah Lanman, Ph.D.*

*Research Associate Professor, Department of Comparative Pathobiology  
Manager, Collaborative Core for Cancer Bioinformatics*

October 30, 2023, 12 - 1 PM (EST)

Drug Discovery (DRUG) Lobby Conference Room

### Key Points

- What is bioinformatics and what does a bioinformatician do?
- Our work at Collaborative Core for Cancer Bioinformatics (organization of the core, what the core does, how to submit a request for bioinformatics, example of collaborations, etc.)
- Introduction to workshops and training materials on and off campus
- Other resources on campus
- Examples of public single-cell RNA-seq databases

### Speaker

**Nadia Atallah Lanman, Ph.D.** Dr. Lanman is a research associate professor in the Department of Comparative Pathobiology at Purdue University. During her time in graduate school, Dr. Lanman became increasingly interested in bioinformatics and computational biology. In 2015, Dr. Lanman took a position with the Purdue University Center for Cancer Research, directing the Computational Genomics Shared Resource (CG-SR) and managing the Purdue side of the Collaborative Core for Cancer Bioinformatics (C3B), a joint bioinformatics core shared between IU and Purdue. Dr. Lanman's work at the cancer center focuses on managing the bioinformatics core, training, and data analysis. Dr. Lanman is interested in utilizing large genomics datasets to expand our knowledge of the molecular basis of cancer as well as immune and inflammatory diseases.

Register at:

[https://purdue.ca1.qualtrics.com/jfe/form/SV\\_eEfsb6VziRLtp2e](https://purdue.ca1.qualtrics.com/jfe/form/SV_eEfsb6VziRLtp2e)

Check out other PCCR career development events and resources at:

<https://www.purdue.edu/cancer-research/training-and-education/Monthly%20Series%20on%20Career%20Development.php>

Questions: yang1491@purdue.edu