Transcriptomics Series:
Single-cell analysis with Seurat

June 24, 2025

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Today's Speaker:

Natalie Davidson, PhD

Assistant Professor
Division of Reproductive Sciences
Department of Obstetrics and Gynecology

Today's sponsor

The Lozupone lab combines bioinformatics and experimental work to understand the driving factors of human microbiota composition, host:microbe interactions, and the intersection with diet in a variety of disease contexts. Our work has a particular focus on HIV, cancer and *Clostridioides difficile* infection.

Who We R!?

R-Ladies Kick-off Event on Jul 25, 2024

RLA 2024 Co-organizer team: Jade, Keenan, Janani, Kewalin, Stacey (left to right)

Worldwide organization that promotes **gender diversity** in the **#rstats** community via meetups and mentorship in a **friendly** and **safe** environment

Part of **R-Ladies - 240 groups**
R-Ladies Aurora
Aurora, CO, USA
69 members · Public group
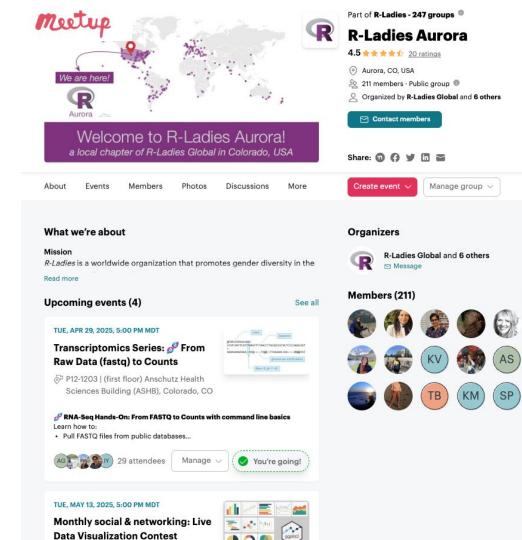Organized by **R-Ladies Global** and **4 others**

New Members?

1. Join us, RSVP for events on **Meetup**

https://www.meetup.com/rladies-aurora/

2. Join our discussion forum on **Discord**

https://bit.ly/RLA-discord

2025 Workshops

- Monthly social + networking events
- Python in R
- Transcriptomics series
  - Data wrangling with transcriptomics
  - From Raw Data (fastq) to Counts
  - **Single-cell RNAseq analysis with Seurat (today!)**
  - RLA's year in review
  - Differential gene expression analysis

Today! June 24, 2025

- Introduction to single-cell RNA seq data
- Overview of Seurat package
- Data Visualization

Ping us on Discord with any Questions –