



Nebraska Center for Integrated Biomolecular Communication

Workshop

"New Approaches to Big Data Generation and Stewardship"

JOIN ZOOM MEETING: <https://unl.zoom.us/j/97980270385>

May 19, 2021 | 8:30 AM – 5:00 PM (CST)

8:30 AM	Welcome and Opening Remarks
8:50-9:50 AM	<i>"Operationalizing the FAIR Principles"</i> Amanda L. Charbonneau Project Manager for the Common Fund Data Ecosystem University of California Davis NIH data standards and FAIR
9:50-10:00 AM	<i>Break</i>
10:00-11:00 AM	<i>"Argonaut: An online platform for multi-omic data analysis and exploration"</i> Dain Brademan, Ph.D. Morgridge Postdoctoral Fellow University of Wisconsin-Madison Coon Laboratories
11:00 -11:30 AM	<i>"Developing methods for analyzing and identifying lipids and implementing untargeted lipidomics in biological systems at the NCIBC Systems Biology Core"</i> Isin Tuna Sakalliglu University of Nebraska-Lincoln Ph.D. Candidate, Chemistry Dr. Robert Powers Lab
11:30 -12:00 PM	<i>"The Data Lifecycle at the NCIBC Systems Biology Core and Data and Life Sciences Core"</i> Bridget Tripp University of Nebraska-Lincoln Ph.D. Candidate, Complex Biosystems - Systems Analysis Dr. Jennifer Clarke Lab Heidi Roth University of Nebraska-Lincoln Ph.D. Candidate, Chemistry Dr. Robert Powers Lab

Alexandra Crook
University of Nebraska-Lincoln
Ph.D. Candidate, Chemistry
Dr. Robert Powers Lab

12:00-1:30 PM

Lunch break

1:30-2:30 PM

***"Analyzing and Interpreting Big Metabolomics
Data with MetaboAnalyst"***

David Wishart, Ph.D.

Professor, Departments of Biological Sciences and Computing Science
The University of Alberta, Senior Research officer and Director of the Nano Life Science
program at the NRC's National Institute for Nanotechnology (NINT)

2:30-3:30 PM

"NMRbox resources for reproducible research"

Adam Schuyler, Ph.D.

Assistant Professor

Department of Molecular Biology and Biophysics
University of Connecticut Health

3:30-3:45 PM

Break

3:45-4:45 PM

"Single cell data analysis using Seurat on CyVerse app"

Ruchika Bhat, Ph.D.

Postdoctoral Research Associate II

College of Medicine Tucson

The University of Arizona

Reetu Tuteja, Ph.D.

Science Informatician,

CyVerse BIO5 Institute

The University of Arizona

4:45 PM

Closing Remarks

