

Drug target identification and translational research using RNA sequencing in single cells

This free session will provide an overview of the latest technologies and directions in the field of transcriptomics. Transcriptomics is the study of the expression levels of RNAs produced by the genome in a sample at a given time.

Jennifer Singh, PhD, from the Department of Systems Pharmacology and Translational Therapeutics at the University of Pennsylvania, will discuss:

- What is transcriptomics and what can we gain from studying RNA expression profiles
- Techniques used in transcriptomics research in the lab and clinic
- Benefits of looking at RNA expression levels with single cell resolution and how to do it
- How single-cell transcriptomics lends itself to translational research and personalized medicine

Date: Wednesday, March 25, 2015
Time: 4:30 – 5:30 PM
Location: Singh Center for Nanotechnology, Room 035
 University of Pennsylvania, 3205 Walnut Street,
 Philadelphia, PA 19104
Sign up: https://www.surveymonkey.com/s/teachersPD_3-25-15

Act 48 Credit available for School District of Philadelphia teachers (http://www.phila.k12.pa.us/offices/act48/pd_planner/). If the workshop is not listed yet, please keep checking back on the SDP PD planner.

Contact: Kristin Field, Director of Programs, Nano/Bio Interface Center, kfield@seas.upenn.edu, 215-746-2488.

Videos of previous Genomics for Teachers workshops: http://www.nanotech.upenn.edu/ProDevWorkshops_teachers.html

