

Mass Spectrometry Scientist

The Dodd lab at Stanford is using small molecule metabolomics to understand how the human gut microbiome impacts health and disease. We are interested in recruiting an expert in mass spectrometry to the lab for a scientist position. The ideal candidate would have a PhD in chemistry/biochemistry and significant experience using liquid chromatography – mass spectrometry to detect, identify, and quantify small molecules. The job duties include:

- a) Being the sole operator of an Agilent 6545XT LC-Q-TOF instrument
- b) Establishing protocols for targeted and untargeted metabolomics which include sample preparation, chemical derivatization, stable isotope dilution, authentic standard library analysis
- c) Analyzing metabolomics data and preparing reports
- d) Training post-docs and graduate students in the lab on sample preparation procedures
- e) Keeping up to date on advances in LC-MS and bringing new technologies into the lab
- f) Setting up high-throughput assays for LC-MS (e.g., overlapped injection, alternating column regeneration, 384-well sample prep)

We are looking for someone who is enthusiastic about working in a fast-paced academic laboratory among friendly lab members who are excited about making new contributions to human health.

Interested individuals should contact the PI, Dylan Dodd at ddodd2@stanford.edu