

Young Mass Spectrometrists Workshop

Tuesday June 2nd, 2020

ASMS Reboot

Sharon Pitteri (Stanford) and Chris Rose (Genentech) Presiding

- There were ~150 to 200 attendees in real time. Based on the questions it appeared to be a mix of early to late stage PhD students as well as some post-docs.
- Initial questions were pre-determined by Sharon and Chris, but questions were quickly submitted and voted on by participants within the Q&A chat box. We would often group questions together in order to answer more questions. Panelists also answered questions within the chat after the live session was finished.
- Panelists answered the questions frankly and differences in the different sectors (academia, industry, and small business were highlighted).
- We decided that we would not discuss Visas as the situation is specific to individual situations and companies.

Topics discussed included:

- Introduction to panel members
- Job search considerations: what area to work in, non-traditional paths, start early, prepare resume & cover letter to get feedback, use your network
- How each panel member found their current position
- How long did it take you to find your current job
- When people should start to look for a job
- What are the differences between doing research in Academia vs. Industry
- Is it easier to go from Academia to Industry or Industry to Academia
- What is the best first job in instrument development
- What level degree do you need to get a job in Industry
- How do you get into government work
- How do you realize what your strengths are to find your best position
- Do you need a graduate degree or post-doc to work in industry
- When should people look for internships in industry
- Do you need to have previous experience for the specific job you are applying for
- Effect of CoVID-19 on the job market
- Is there a place for small molecule MS in bioech/pharama
- What is it like to work at a biotech/pharama/instrumentation company
- How do you start with salary negotiation or start up fund negotiation
- How to best use social media platforms when searching for a job
- How valuable is good mentorship when looking for a job
- How important is it to think of your future manager

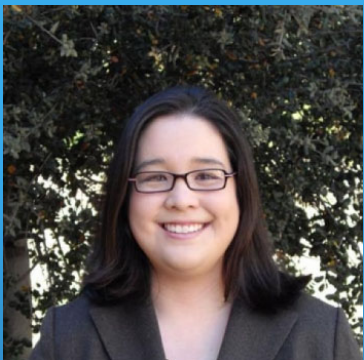
- Work/life balance in your current role
- How long should you stay in one position (minimum)
- What do hiring managers look for (other than connections)
- What are the soft skills people may need to work on in graduate school
- How do academic groups view students doing
- How are minority groups represented in your companies

MS Career Options: How to Kick Start Your Career

Co-chaired by Sharon Pitteri and Chris Rose

June 2rd, 2020

ASMS Reboot



Sharon Pitteri

Representative of: Academia

Current Role: Associate Professor of Radiology (Stanford)

Education: PhD in Analytical Chemistry (Purdue University),
Postdoc in Molecular Diagnostics (Fred Hutchinson Cancer Research Center)

Focus Area: cancer molecular diagnostics

- Analysis of clinical tissue samples to distinguish aggressive from indolent cancer
- Protein glycosylation analysis - method development and applications

Fun Fact: My son (22 months old) can say “molecule”



Christopher Rose

Career Path: Biotech/Pharma

Current Role: Scientist, Genentech

Education: PhD in Analytical Chemistry (University of Wisconsin, Madison),
Postdoc in Cell Biology (Harvard Medical School)

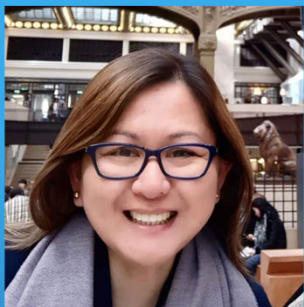
Focus Area: Quantitative proteomics to support Genentech Research and Early Development

- Quantitative analysis of biological pathways & drug MOA
- MHC peptidomics research related to individualized neoantigen specific therapies & biotherapeutic Immunogenicity
- Single Cell Proteomics

Fun Fact: One year I celebrated New Years Eve with Dennis Rodman

Job Search Considerations

- ⦿ What area do you want to work in?
- ⦿ Investigate non-traditional paths
- ⦿ Start early
- ⦿ Prepare your resume & cover letter and get feedback
- ⦿ Use your network
- ⦿ Visa hurdles



Lieza M. Danan, PhD

Career Path: Biotech

Current Role: Founder & CEO, LiVeritas Biosciences

Other Previous Role(s):

Co-Founder & CSO, Intervenn Biosciences

Head of Mass Spectrometry, Stemcentrx

Analytical Dev't & Quality Control Group Leader, Sutro Biopharma

Genentech PSS Site Lead & Principal Scientist, Eurofins Lancaster Labs

Principal Scientist, Eurofins Lancaster Labs

Education: PhD in Biological Chemistry (UC Davis), Postdoc Campus Mass Spectrometry Facility (UC Davis)

Focus Area: Designing and implementing MS streamlining solutions to support accelerated drug development

Fun Fact: My fearlessness and high-risk tolerance surface during my solo travels. I drove a brand new station wagon rental in the narrow and hilly streets of Florence and Tuscany by myself.



Leslie Hicks

Career Path: Private Institute, Public University

Current Role: Associate Professor of Chemistry, Univ. of North Carolina - Chapel Hill

Other Previous Role(s): PI and Director of Proteomics and Mass Spectrometry Facility, Donald Danforth Plant Science Center

Education: PhD in Analytical Chemistry (Univ. of Illinois - Urbana Champaign)

Focus Area: proteomics/peptidomics in photosynthetic organisms

Fun Fact: I've summited Mt. Kilimanjaro



Chris Adams

Representative of: LCMS instrument manufacturer
Western Region Proteomics Manager, Bruker Daltonic

Formerly: Stanford University Mass Spectrometry, Dir. Proteomics (2007-2018)
Amgen, pharmaceuticals research associate (2000-2003)

Education: PhD, Biological and Medical Mass Spectrometry, Uppsala University,
Sweden Zubarev Lab

Focus area: Quantitative proteomics and informatics

Fun Fact: Had a Mythbusters cameo testing soda cans for rat pee by LCMS!



Melanie Patterson

Career Path: PhD → post-doc → professor → industry scientist → industry scientific leader

Current Role: Principal Research Scientist II, co-lead Chemical Biology and Emerging Therapeutics, AbbVie

Other Previous Role(s): Visiting Assistant Professor of Chemistry, DePaul University

Education: PhD University of Virginia (Don Hunt), NRSA Fellow University of Chicago (Milan Mrksich)

Focus Area: manipulating cell biology using novel chemical tools and using analytical approaches to demonstrate the effects

Fun Fact: Grew up in log cabin that belonged to the son of Abraham Lincoln's preacher. Avid wild mushroom hunter.

Panel Discussion

- Please submit questions in the App
- We will not have time to answer every question - unfortunately
- Please be respectful
- Please avoid questions that focus on a very specific situation
- Please no visa questions - things change frequently, we are not experts!