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/pharma
- What is it like to work at a biotech/pharma/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 2nd, 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

Amgen, pharmaceutics 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!