



Senior Research Associate, Analytical Protein Characterization (Mass Spectrometry)

The Position: The successful candidate will be a key contributor as a mass spectrometrists in CMC focusing on characterization of antibodies and Bolt's Boltbody™ Immune-stimulating Antibody Conjugates (ISACs) using high resolution MS instrumentation. The position will be responsible for development, optimization, and troubleshooting of mass spec methods & instruments for monoclonal antibody and antibody drug conjugates. This position reports to the Analytical Characterization Lead.

Responsibilities

- Perform LCMS intact/reduced/subunit analysis on monoclonal antibodies and antibody drug conjugates (ADCs).
- Perform peptide mapping of antibodies and conjugates to characterize post translational modifications and drug site localization.
- Analyze antibody conjugates to determine antibody to drug ratio (DAR) to support process and drug substance/product characterization.
- Contribute to SOPs, reports, protocols, and regulatory documents to support development of Bolt's ISACs.
- Support/Design/Execute experiments for aiding in method development and ISAC characterization.
- Maintain laboratory equipment and ensure calibration and optimal instrument performance.
- Collaborate across groups and present key data to relevant stakeholders.

Qualifications

- BSc with 5+ years of experience or MSc with 3+ years of experience in biotech or pharma
- Working experience with protein characterization such as intact protein analysis or peptide mapping (ADCs and small molecules are a plus).
- Hands on experience trouble shooting and operating HPLCs.
- Experience running and operating high resolution mass spec instruments such as QTOFs and Orbitraps. (MS experience preferred with Thermo and/or Bruker platforms)
- Experience with protein metrics byonic is a plus, alternative vender software experience is acceptable.
- Excellent interpersonal and communication skills.



Who We Are:

Bolt Biotherapeutics, based in the San Francisco Bay Area, is a clinical-stage biotechnology company developing Boltbody™ Immune-stimulating Antibody Conjugates (ISACs), a new class of immunology therapeutics that have eliminated tumors following systemic administration in preclinical studies while also developing immunological memory, which may lead to more durable clinical responses for patients. This is a unique opportunity to join and build, with like-minded colleagues, a company that will transform the lives of individuals with cancers.

We are an Equal Opportunity Employer offering a competitive salary and benefits package. Applicants should be legally entitled to work for any employer in the US. Note to Employment Agencies: Please do not forward any agency resumes. The company will not be responsible for any fees related to resumes that are unsolicited.