



Senior Research Associate, Target Validation

SUMMARY

Bolt Biotherapeutics has an exciting opportunity for a highly motivated Senior Research Associate to join our Biomarker, Translational Science and Target Validation team and play a key role in developing new targeted therapeutics for oncology. The candidate will work closely with researchers within the protein sciences, medicinal chemistry, immunology, and pharmacology groups at a small biotechnology company currently located in Redwood City, CA.

Strong candidates will be creative, collaborative, and passionate about drug discovery. Specifically, candidates must have a proven track record in target validation, assay development, and lead selection.

RESPONSIBILITIES

This position will report to the Staff Scientist, Target Validation and will primarily contribute to target validation, lead candidate discovery, and description of MOA. The position will also work closely with the Translational Science team to support their activities. The position requires >75% time on experiments (planning, execution, analysis).

JOB DUTIES

- Biochemical studies to determine antibody binding to target proteins
- Cellular functional studies to evaluate activities of candidate therapeutic proteins
- Assay development in support of the above
- Establishment of mouse tumor models and execution of in vivo studies
- Analysis of blood and tissues from mouse models for pharmacodynamic characterization and to support MoA studies, biomarker discovery and validation

JOB REQUIREMENTS

- BA/BS in life sciences and 5+ years in oncology or immunology/inflammation drug development in an industry setting, OR
- MA/MS in life sciences and 3+ years in oncology or immunology/inflammation drug development in an industry setting

KEY RESEARCH SKILLS, TECHNIQUES, EXPERIENCE

- Execution of therapeutic candidate testing in rodent cancer models, including tumor implantation, dosing, blood draws, and recovery of tumors and tissues for analysis
- Isolation of immune and target cells from pre-clinical models (such as mouse tumor models)
- Immune cell activity assays (such as ADCC); isolation and characterization of specific immune cell types
- Development of biochemical and cell-based assays for lead molecule selection and biomarker discovery
- Mammalian cell culture (epithelial cancer cell lines; immune cell types)
- Multi-color flow cytometry
- Cytokine profiling of samples from cell culture and animal studies

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- Tissue processing and experience with downstream molecular analyses (e.g. RNA, DNA)
- Basic biochemical techniques (ELISA, Western blot)

PROFESSIONAL COMPETENCIES

- Facility identifying and reviewing the relevant technical literature in support of experimental design and interpretation
- Formulating hypotheses and developing experimental strategies and procedures to address critical-path questions
- Data analysis, interpretation, and presentation to project teams and at company-wide meetings
- Consistent and complete notebook-keeping
- Conscientious observation of relevant lab safety and EHS guidelines
- Experience with mentoring junior research colleagues is desirable

COMPANY BENEFITS

We offer competitive salary, incentive compensation, great benefits (such as Health/Vision/Dental Insurance, 401k, paid vacation and sick leave), employee stock purchase plan, opportunity for growth within this dynamic and fast-growing organization.

Bolt is an Equal Opportunity Employer.

APPLY:

Send a cover letter and resume to hr@boltbio.com

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