

Department: The Ragon Institute
Position Title: Postdoc Researcher (000547)
Position #:

Position Overview:

The Batista Laboratory for B Cells and Preclinical Vaccinology (<https://ragoninstitute.org/batista/>) and the DeKosky Laboratory for Immune Engineering (www.dekoskylab.org) are hiring a new postdoctoral researcher in a jointly supervised position for high-throughput immune repertoire analyses and rapid antibody discovery. This position will entail the advanced development and application of cutting-edge B cell engineering models, along with precision antibody screening techniques. These efforts will advance basic immunological understanding of antibody improvement mechanisms while generating clinically viable antibody drug products. We are looking for enthusiastic individuals that are curious about immune protection and want to participate in the exciting world of understanding how monoclonal antibodies can be effectively engineered to fight human diseases. The selected candidate will work closely with two dynamic research teams at the forefront of B cell immunology and perform experiments to discover, analyze, and improve antibody molecules, for both basic academic understanding and for translational drug and product development.

Required qualifications include a Ph.D. at the time of appointment or soon thereafter in immunology, biochemistry, biotechnology, bioinformatics, microbiology, or a related field. Preference will be given to researchers with experience in molecular biotechnology, cell display and genetic manipulation, NGS and bioinformatic analysis, and antibody engineering. Laboratory projects are funded by multiple sources, including NIH, DoD, private foundations, and private industry.

The Ragon Institute is an internationally renowned immunology-focused research center located in Kendall Square, Cambridge, Massachusetts. The Batista and DeKosky labs also have appointments with Harvard and MIT, respectively. This position is ideal for individuals who are interested in launching a career as biomedical research leaders in either academia or industry. Successful candidates will become experts in advanced high-throughput drug development and establish cutting-edge protein drug screening approaches while working in a supportive, highly collaborative research environment with state-of-the-art facilities.

Job Duties:

60% Research - Design and execution of experiments

Carrying out original research relative to the laboratory mission. Perform experiments on an individual basis that pertain to current research topics at the lab, with a focus on implementing and advancing antibody cloning and screening technologies for antibody discovery and improvement.

20% Reporting - Write reports and papers

Writes technical reports and scientific papers for peer reviewed journals. Additional responsibilities include assisting in the preparation of preparation of grants/contracts and proposals for federal, state and charitable organizations and industrial clients.

15% Collaboration - Assist other laboratory members with experiments

Assist the principal investigator to provide experimental and technical supervision of one or more technician, graduate student and/or post-doctoral researchers and/or fellows.

5% Laboratory protocol - Routine lab management

Ensuring systems are in place for efficient planning of lab supplies, records and document management as well as experimental protocols and data, and coordination of good lab practices and lab safety.

Skills and Competencies Required:

- Ability to analyze and interpret data sets & communicate data in a clear and concise manner
- Expertise in molecular biology techniques (e.g., PCR, plasmid amplification, cloning, culture of microorganisms)
- Ability to work in a team environment, meet deadlines, and prioritize and balance work from multiple individuals
- Good communication skills
- Good time management skills
- Ability to perform multiple tasks independently
- Independently motivated, detail orientated, and good problem solving ability
- A willingness to learn and grow

Required Qualifications:

1. Ph.D. in the area of immunology, biochemistry, biotechnology, bioinformatics, microbiology, or a related field.

NOTE: To be appointed at the Postdoctoral Researcher title, it is necessary to have the PhD in hand. Appointments made without a diploma or certified transcript indicating an earned doctorate are conditional hires and are appointed on an acting basis not to exceed six months. Upon verification of degree the appointment will be extended to its full duration.

Preferred Qualifications:

1. Research experience in the study of protein display, immunology, B cells, or antibodies, or closely related areas.
2. Demonstrated ability to work successfully as part of collaborative research efforts.
3. Publications or other evidence of scholarly achievement

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