The Tri-Institutional Therapeutics Discovery Institute (Tri-I TDI) seeks a highly motivated and enthusiastic individual to join the antibody generation team in the Biologics group. The Tri-I TDI, a partnership of Memorial Sloan Kettering Cancer Center, The Rockefeller University, and Weill Cornell Medicine, links researchers in basic and clinical science with experts in drug discovery from the biotech and pharmaceutical industries, with the goal of more efficiently translating discoveries into therapies for disease. The candidate, with minimal supervision, will design and carry out experiments to generate and characterize therapeutic monoclonal antibodies both *in vivo* by immunizing mice and conducting hybridoma fusions, and *in vitro* by phage display panning.

**Job Responsibilities**

- Conducts immunizations and bleeding of mice
- Performs hybridoma fusions
- Generates and maintains hybridoma cell lines that produce monoclonal antibodies
- Carries out phage display panning selections
- Screens phage pools for binders to target antigens by ELISA
- Collaborates with the in-house monoclonal antibody core facility for *in vivo* antibody generation efforts
- Keeps a detailed and well-organized laboratory notebook
- Presents project updates at group meetings
- Stays current with literature and emerging trends in the discipline
- Performs other related duties as assigned

**Education**

- Bachelor’s degree in immunology, molecular biology, microbiology or related field.
- Highly desired: Master’s degree in immunology, molecular biology, microbiology, or related field.
Experience

- A minimum of 3 years of experience in antibody generation in an academic laboratory, or in the pharmaceutical or biotechnology industry.
- Demonstrated track record with publications or patents

Knowledge, Skills and Abilities

- Must be comfortable with animal handling and skilled in rodent immunizations and manipulations
- Experience in preparation of antigens for immunization of animals
- Expertise in hybridoma generation, cloning and maintenance
- Sterile tissue culture technique
- Proficiency with enzyme-linked immunosorbent assay (ELISA)
- Basis skills in molecular biology (PCR, plasmid preparation, DNA sequence analysis), and with handling and manipulating microbial cultures
- Experience with phage display panning techniques a plus
- Ability to work on multiple projects simultaneously to deliver results in rapid timeframes
- Critical independent thinking, prioritization of tasks, strong problem-solving and troubleshooting, and excellent communication and presentation skills
- Timely delivery of team goals and ability to build productive relationships with colleagues and collaborators

Apply

On LinkedIn:
https://www.linkedin.com/jobs/search/?f_C=5302300&locationId=OTHERS.worldwide

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