

Oxford Biotherapeutics

Job Title: Research Associate – Immuno-oncology

Location: San Jose, United states

The Research Associate will be an integral member of the immuno-oncology research group. This role will be responsible for conducting cell-based assays supporting Oxford Biotherapeutics preclinical research programs. The position will involve working with monoclonal antibodies, bispecific antibodies, and CAR-T/NK cells. Key responsibilities will involve testing novel co-stimulatory domains in CAR-T cells and CAR-NK cells and to determine their effect on function. Additionally, the position will involve testing agonist antibodies that target co-stimulatory molecules expressed on primary immune cells and to determine how they alter function.

Responsibilities

Isolates PBMC's from whole blood, purifies immune cells by immunomagnetic selection, and grows primary cells in culture.

Performs immunological assays, including ELISA, flow cytometry, and multiplex bead-based assays.

Mammalian cell culture and primary cell maintenance and isolation

Develop and execute T cell assays

Perform analysis with ELISAs other methods of cytokine/analyte analysis

Utilize multicolor flow cytometry in analysis

Execute basic biochemical assays (eg. Western blot)

Communicate own work effectively orally and in writing, present data in group meeting

Thoroughly and accurately document experimental activities in laboratory notebooks

Designs and executes experimental plans with guidance; analyzes and records data, establishes laboratory protocols, and contributes to technical reports. Presents data at bi-weekly lab meetings.

Actively contributes to research ideas, experimental design, and assay development.

Promotes free discussion, shares research articles, and encourages overall morale.

Encompasses Oxford Biotherapeutics values of innovation, teamwork, and commitment to developing novel immunotherapies for cancer patients.

Qualifications

BS degree with 2+ years' experience in immune-oncology, biochemistry, cell biology, immunology, molecular biology, or related discipline.

- Mammalian cell culture experience required
- Experience with multicolor flow cytometry, ELISA and/or other methods of cytokine/analyte analysis required
- Primary cell isolation (mouse and human) and functional assay setup preferred
- Effective oral and written communication; clear and concise data presentation in group meetings
- Proficient with basic computer programs routinely used in a lab such as MS Word, Excel, and PowerPoint, GraphPad Prism, and FlowJo
- Highly organized with reliable time-keeping skills and able to maintain a detailed and well-organized notebook
- Being a team player and respectful of others is a must
- Ability to thrive in a fast-paced, small start-up environment
- Knowledgeable about monoclonal and bispecific antibodies, with a particular focus on agonist antibodies that target co-stimulatory molecules expressed on primary immune cells.
- Experience with standard molecular biology techniques, including cloning, transformation, and plasmid purification.