



MedImmune, Inc.

Job Description

Position #SWB18ADPE

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| <p>Job Title: Postdoctoral Fellow – Science without Borders Site: MedImmune, Gaithersburg, MD Department: Research-Antibody Discovery and Protein Engineering (ADPE) Duration: 2 years</p> |
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We are seeking a highly motivated postdoctoral fellow as part of the Science without Borders Program to join the Antibody Discovery and Protein Engineering (ADPE) department to lead an independent research project focused on tumor drug targeting. The successful candidate will benefit from daily interaction with highly accomplished scientists with whom they will collaborate. The position offers a unique opportunity for a talented scientist to work in a dynamic and innovative environment and to develop their career at the interface of basic research and drug discovery.

Major Duties and Responsibilities:

The candidate will focus on the investigating methods that can enhance drug tumor delivery. The candidate will use molecular and cellular biology tools to identify proteins overexpressed on tumor vasculature and generating antibodies to these proteins to facilitate tumor delivery. . The project will involve preparing protein fractionations from tumor samples, performing and analyzing proteomics data and conduct phage panning, molecular cloning to generate antibodies that recognize proteins associated with tumor caveolae. The candidate will be expected to independently design and execute experiments under minimal supervision, summarize and present data and prepare manuscripts for submission to peer review journals.

Requirements/Qualifications:

Nationality: Brazilian citizenship or permanent residency

Education: PhD in Biochemistry, Molecular Biology, Immunology, or related discipline

Experience: Doctoral and/or Post-Doctoral research

Special Skills/Abilities:

Experience with molecular biology, (e.g. DNA manipulation and cloning, sequence analysis, plasmid vector design and construction) is required. Experiences with protein chemistry, such as protein purification, membrane fractionation as well as antibody phage display and antibody gene cloning and expression is highly desirable, Proteomics and/or antibody engineering experiences are preferred. Additional skills include immunoassays, tissue culture techniques, and microscopy are helpful. A successful candidate must be motivated, ready to learn new techniques and capable of working independently as well as collaboratively. All applicants must have strong written and verbal communication skills with a track record of publications.

Application Instructions:

Please note that these postdoctoral positions are advertised under an AZ/MedImmune partnership with Brazilian Science without Borders (SWB). If you are interested in any of these positions, please apply through the SWB website specifying the position number, [click here](#).