The position postdoctoral researcher has opened in the SELEX group with emphasis on studies to optimize identification of aptamers that functionally modulate key targets including cell surface receptors/immune regulatory molecules. In this position, the successful candidate will have the opportunity to conduct research in a cutting edge therapeutic platform. In addition to furthering understanding of factors that define the functional efficacy of aptamers you will learn to focus efforts to support the drive to potential therapeutic products. Functional evaluation of aptamers target modulation capacity on mouse and human cells will be conducted using in vitro assay systems to maintain translatable. Interaction with colleagues from diverse scientific backgrounds will build on your own breadth of knowledge and enhance communication skills.

QUALIFICATIONS

This position requires a Ph.D. in immunology or related field. Qualified candidate should be able to work as a team member as well as independently, should be able to design and implement experiments independently and communicate findings in a group setting which includes scientists from a variety of disciplines.

Additional experience includes:

- General knowledge of cellular immunology and requirements for establishing in vitro assays to monitor T cell functional responses such as MLR and in vitro stimulation (antigen-specific or non-specific) is required.
- Experience culturing primary T cells (required)
- Experience with techniques used to characterize T cells including proliferation assays, cytokine multiplex assays and multi-color flow cytometry using at least 4 colors.
- Molecular biology experience is desired but not required.