

Job Location:

Bacchetta Laboratory, Lorry I. Lokey Stem Cell Research Building, Stanford University.

The Bacchetta Laboratory has an opening for a highly motivated, self-driven postdoctoral fellow with a background in immunology. The fellow will be a key member of the *Stanford-GlaxoSmithKline (GSK) Collaboration, Sir James Black Program for Drug Discovery and Disease*. The successful candidate will join the Division of Pediatric Stem Cell Transplantation and Regenerative Medicine at Stanford University School of Medicine.

The translational research project investigates the potential clinical application of a lentivirus (LV)-mediated FOXP3 gene transfer method that successfully converts pathogenic IPEX patient CD4+ T cells to functional Treg cells (*Sci Transl Med. 2013, 5(215):215ra174*). Mutation of FOXP3 is causative for IPEX syndrome, an early onset and otherwise lethal X-linked immunodeficiency with autoimmunity. The experimental plan will be human immunology focused with in vitro and in vivo experiments using humanized mouse models. The study will be a unique opportunity to investigate human T cell development and to answer basic human immunology questions while assessing key issues for safety and efficacy of Treg cell therapy. The approach is highly innovative and could lead to new standard of care for immune mediated diseases.

The project will be conducted in close collaboration with Dr. Bacchetta and will take advantage of scientific interactions with the GSK scientific committee.

This project has the potential for highly informative and very productive findings in terms of publication and innovative clinical implications.

Requirements:

The selected postdoc candidate will have a PhD or MD/PhD in which s/he has gained knowledge in immunology, gene manipulation technologies and basic concepts of translational medicine. The candidate should have demonstrated ability to work independently, self-initiative, attention to details, be dedicated, and self-motivated with a strong aptitude for team work.

Candidates should email an updated CV, complete contact information for three references and a cover letter describing their past research experience, career goals and a statement of future research interest (1-2 pages) to Ginger Exley at gexley@stanford.edu **AND** Rika Bosmans at rbosmans@stanford.edu

Stanford June 3rd, 2016.