Benaroya Research Institute at Virginia Mason is committed to winning the fight against autoimmune diseases such as type 1 diabetes, rheumatoid arthritis, inflammatory bowel disease and multiple sclerosis, and immune system diseases such as allergies and asthma. BRI is an internationally recognized medical research institute that accelerates discovery by tackling questions from every angle, translating immunology breakthroughs into clinical therapies and healthier patients.

As a non-profit organization within the Virginia Mason Health System, BRI oversees all clinical research at Virginia Mason and BRI, uniquely combining the expertise of a world-renowned medical research institute with the remarkable care of a healthcare quality leader. BRI supports Virginia Mason clinical investigators in studies across a wide variety of diseases and conditions, such as cardiology and cancer, in addition to autoimmune diseases, allergy and asthma.

Visit BenaroyaResearch.org or follow Benaroya Research Institute on Facebook, LinkedIn or Twitter to learn more.

**Position #:** 2020-1620  
**Title:** Postdoctoral Research Associate  
**Department:** Long Lab  
**Status:** Full time

**Overview:** The Long Lab is a translational immunology lab focused on better understanding underlying mechanisms of autoimmune disease, patient variability, and response to therapy. Currently, we are primarily focused on three, inter-related projects in the setting of T1D: 1) Causes and consequences of reduced response to IL-2, 2) Cellular definition and stability of CD8 T cell exhaustion associated with response to therapy, and 3) identification of biomarkers of disease severity. Each of these projects use human samples, are collaborative in context working with the diabetes team, genomics and systems immunology, and use the resources of the BRI Human Immunophenotyping (HIP) Core, supervised by Dr. Alice Long.

**Responsibilities:** The Postdoctoral Research Associate conducts independent biomedical research relevant to defining mechanisms underlying CD8 T cell exhaustion in the context of type 1 diabetes (T1D). Duties include:

- Design and perform experiments and analysis relevant to cellular, molecular and functional definition of CD8 ‘exhausted’ cells found in T1D (Long, et.al., Sci Imm, Wiedeman, et.al., JCI) and molecular mechanisms that underlie stability and function of these cells at different stages of disease
- Work with the BioInformatics team at BRI to design and perform experiments
- Collaborate with leaders in the field of autoimmunity
- Publish papers, write grants and present findings at meeting
- Opportunity to supervise support staff in the lab

**Requirements:** The Postdoctoral Research Associate is a team-player who welcomes challenges and wants to grow as a translational biologist. Requires a Ph.D. in Immunology or a related field and experience in tissue culture, cellular and molecular techniques. Prefer experience with flow cytometry and experience with large data-sets.

Visit https://careers-benaroyaresearch.icims.com/jobs/search to apply for this position.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, disability or protected veteran status.