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 #:** 2019-1597  
**Title:** Postdoctoral Research Associate  
**Department:** Harrison Lab  
**Status:** Full-time, days

**Overview**  
The Harrison laboratory at Benaroya Research Institute at Virginia Mason is seeking enthusiastic, creative and highly motivated individuals for the position of Postdoctoral Research Associate. The lab is focused on understanding the mechanisms controlling host-microbe interactions at barrier sites such as the skin and the gastrointestinal tract. We study how our resident commensal microbes influence the development, education and function of our immune system. The lab investigates the molecular mechanisms of how T and B cell responses to these commensal microbes are mounted and function. The goal is to understand how these immune cells promote barrier tissue integrity and repair, and to understand how this goes awry during disease.

Projects in the Harrison lab focus on:
- Commensal-specific immunity in tissue homeostasis and adaptation to injury.
- The transcriptional and epigenetic basis of T cell differentiation during healthy immune responses and immune-mediated diseases.
- Post-transcriptional regulation of tissue resident T cell function.
- Determining how environmental factors such as diet, infection history and microbiome influence tissue immunity.
- T cell-epithelial cell cross-talk in the context of homeostatic immunity, wound healing and immune-mediated diseases including inflammatory bowel disease and atopic dermatitis.

**Responsibilities**

Responsibilities include conceptualizing and executing experiments, data analysis, laboratory record keeping, oral and written presentation of experimental results. The research associate will be expected to work collaboratively with other staff members in discussing projects, implementing experiments and preparing manuscripts and grant applications. The position may involve oversight/ supervision of technicians or graduate students. The selected individual will receive strong mentoring to promote scientific growth and development.
Requirements

Highly motivated applicants with good organizational and analytical skills are encouraged to apply. A recent, or anticipated, PhD in Immunology or a related field (such as host-microbe interactions) is required. Experience/skills in immunology, molecular biology and/or bioinformatics-based analysis of epigenetic/transcriptomic datasets are required. Experience of animal models of inflammation or infection is preferable but not essential.

Visit https://www.benaroyaresearch.org/resources/careers 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.