

# Postdoctoral Position in Microbiome Science



Applications are invited from ambitious, independent and motivated candidates to work in the area of host-microbiome interactions. This fully funded project is aimed at exploring the chemical diversity encoded within in the human microbiome and probing the biological function of metabolites produced by host-associated microbes on the skin. The candidate will work with a highly interdisciplinary team comprising of molecular biologists, microbiologists, and chemists to identify microbial metabolites targeting host chemoreceptors and characterizing downstream signaling pathways.

The candidate is expected to be capable of developing independent research projects and provide intellectual contributions and leadership to ongoing collaborations and mentoring to junior members of the laboratory. Our research is interdisciplinary. We are looking for candidates with relevant experience in cell biology and microbiology or related areas.

## Additional desired qualifications

- o Experience with mammalian cell culture and/or skin biology
- o Experience working with cell surface receptors and signal transduction
- o Experience with basic microbiological techniques
- o Strong communication, collaboration, and mentoring skills
- o Experience in the integration of different data modalities including genomics and metabolomics.

Qualified applicants are invited to submit their CV, a letter of intent, a statement of research qualifications, and a list of 3 references to [lkalan@wisc.edu](mailto:lkalan@wisc.edu)

This position will be held at [McMaster University](#), recognized as one of Canada's most research-intensive universities. Hamilton is 45 minutes from Toronto. It is also about an hour from Buffalo, NY, and less than an hour from Niagara Falls, and the nearby Niagara wine country. The Kalan lab will be transitioning to McMaster University in 2022.

The [Kalan lab](#) welcomes all individuals into our group regardless of race, religion, nationality, socioeconomic background, gender, gender identity, sexual orientation, disability, and physical appearance. We encourage applicants from diverse backgrounds.

McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and within the lands protected by the "Dish With One Spoon" wampum agreement.

The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity.

The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from indigenous (First Nations, Métis or Inuit) peoples, members of racialized communities, persons with disabilities, women, and persons who identify as 2SLGBTQ+.

As of October 18, 2021, [McMaster's Vaccination Policy](#) requires all students, faculty and staff to have uploaded proof of full vaccination against COVID-19 or have an approved human rights exemption.

