

POSTDOCTORAL POSITION IN MICROBIOME RESEARCH

Dr Anita Kozyrskyj - SyMBIOTA Lab

Funded by CIHR's \$13M Canadian Microbiome Initiative, the SyMBIOTA research team is investigating the impact of early life exposures (maternal stress, birth mode, antibiotic use and infant diet) on the infant intestinal microbiome (microbes, metabolites and sIgA immunity), and subsequent development of overweight, allergic disease and neurodevelopmental delay in childhood, using data obtained from mothers and infants in the CHILD Cohort Study (<http://www.childstudy.ca>).

We are seeking to recruit an exceptional Postdoctoral Fellow to analyze infant gut microbiome data in relation to pre and postnatal exposures, as well as to child health outcomes in the CHILD Cohort Study. The analysis repertoire will range from standard epidemiologic testing for associations, and structural equation and repeated measures modeling to microbiome-specific techniques, such as supervised and unsupervised learning, and principle coordinates analysis (based on phylogenetic distance metrics).

The position offers an exciting and unique opportunity to become part of the largest infant microbiome study in North America and contribute novel data to the evolving area of microbiome research. The candidate will become a key part of our inter-disciplinary team of microbiologists, evolutionary biologists, immunologists, pediatric allergists and statisticians across 5 Canadian universities. The candidate will also have an opportunity to network with other microbiome researchers through the pan-Canadian IMPACTT-microbiome network.

The ideal candidate will be a highly ambitious, self-motivated individual with a background in advanced statistics/bioinformatics (SAS, R-statistics), exceptional oral and written English communication and a strong publication record. Completion of postgraduate courses in biostatistics and epidemiology is a requirement. Experience in epidemiological research and/or analysis of microbiome datasets, including familiarity with the microbiome bioinformatics and analysis program, QIIME, is an asset. Previous postdoctoral students with the SyMBIOTA team have been highly competitive, receiving funding from Banting, CIHR, AIHS and the Killam Foundation.

Please note, that to be eligible you must start the appointment within 5 years of completing your PhD.

To Apply:

Please send your CV and letter of interest to **Dr. Anita Kozyrskyj** kozyrskyj@ualberta.ca

Twitter: [@SyMBIOTA](https://twitter.com/SyMBIOTA)

<http://allergen-nce.ca/research/symbiota/>

Closing date:

Position open until filled.

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.