



**MUCOSAL**  
**IMMUNOLOGY SIG**

## Mucosal Immunology Seminar Series

# The gut microbiome and efficacy of COVID 19 vaccinations



### Dr Genelle Lunken PhD, RA

Assistant Professor, Department of Pediatrics,  
Faculty of Medicine, University of British  
Columbia, Vancouver

**12-1pm AEDT Friday, 24<sup>th</sup> Nov 2023**

Dr Lunken completed her doctoral studies in Nutritional Science at Massey University in New Zealand. In 2017, Dr Lunken commenced a postdoctoral fellowship under Drs Bruce Vallance and Kevan Jacobson at UBC, Vancouver where she investigated the role of the gut microbiome and dietary fibre on BNT162b2 mRNA SARS-CoV-2 vaccine immunogenicity. Early this year, Dr Lunken established her own research laboratory at UBC. The central focus of her group is to develop precision health strategies aimed at enhancing the efficacy of medical and dietary therapies, with a specific focus on developing therapeutics that target the gut microbiota. More specifically, her work will involve screening and identifying specific microbial components that enhance immune responses, ultimately leading to the design of live biotherapeutics and diets that can improve overall host health outcomes.

Links to virtual seminars will be emailed to mucosal immunology SIG members. Sign up through the ASI website [HERE](#)

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Official Journal of the Society for Mucosal Immunology

*Organisers:* Lucille Rankin ([rankin.l@wehi.edu.au](mailto:rankin.l@wehi.edu.au));  
Emily Bryan ([er.bryan@qut.edu.au](mailto:er.bryan@qut.edu.au));  
Lisa Connor ([lisa.connor@vuw.ac.nz](mailto:lisa.connor@vuw.ac.nz))



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