Dra. Marion Emilie Genevieve Brunck
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Educación:

- **PhD in Immunology & Systems Biology** – The University of Queensland (2015)
- **Bachelor of Science (Honours Class I)** – The University of Queensland

Áreas de investigación:

- Immunobiology of human breastmilk
- Maternal obesity and breastmilk composition
- Human neutrophil FcgR
- Granulocyte transfusions

Publicaciones destacadas:

- Erick Sánchez-Salguero, Claudia García-Alonso, Mario René Alcorta-García, Víctor Javier Lara-Diaz, Claudia Nohemí López-Villaseñor, **Marion E G Brunck***. Maternal obesity associates with altered humoral immunity in blood and colostrum (currently under review, BioRxiv: https://doi.org/10.1101/2023.09.01.23294956)
- Andrés Cazares-Preciado, Alejandra López-Arredondo, José Antonio Cruz-Cardenas, Luis Alberto Luévano-Martínez, Gerardo García-Rivas, Heriberto Prado-Garcia and **Marion E G Brunck***. Metabolic features of neutrophilic differentiation of HL-60 cells in hyperglycemic environments. BMJ Open Diab Res Care 2024; 12:e004181. https://doi:10.1136/ bmjdrc-2024-004181
- Alejandra López-Arredondo, José Antonio Cruz-Cardenas, Andrés Cazares-Preciado, Nicholas Timmins and **Marion E G Brunck***. Neutrophils, an emerging new therapeutic platform. Curr Op Biotechnology. https://doi.org/10.1016/j.copbio.2024.103106

Premios y reconocimientos:

- Premio 2023 Investigadora Joven en Inmunología Clínica | Sociedad Mexicana de Inmunología.
- CONAHCYT Ciencia de Fronteras Convocatoria 2023

Proyectos actuales:

- Impact of maternal obesity on the immunological composition of human breastmilk
- Signal transduction through CD16b on the surface of human neutrophils
- Metabolism of human neutrophils in high glucose environments