



International Conference

## THE MICROBIOME THROUGHOUT LIFE

*Translating new science into clinical practice*

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## CRISTIAN GRISALES-VARGAS

I am Cristian Grisales-Vargas, a PhD student in the LLNEXT group under the supervision of Prof. Alexandra Zhernakova at the University Medical Centre Groningen (UMCG), The Netherlands. My research focuses on mining and characterizing biosynthetic gene clusters (BGCs) in the human gut microbiome using both standard and innovative in silico approaches. By analyzing these genes at an unprecedented population scale, we aim to uncover their frequency, distribution, and transmission patterns in human populations. Ultimately, we will aim to reveal the potential roles of BGCs in microbe-host interactions and human health.

