

Dr. Mikkel Klausen, DSM/Novozymes Alliance

Bacterial Debris – Peptidoglycans and Their Influence on Gut Functionality

Débris bactériens – les peptidoglycans et leur influence sur la fonctionnalité intestinale

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Mikkel Klausen did his PhD at the University of Washington and the Technical University of Denmark working on the human bacterial lung pathogen *Pseudomonas aeruginosa*. He then studied cancer biomarkers at Copenhagen University Hospital. Mikkel has worked 11 years as a scientist in the DSM/Novozymes Alliance. He has specialized in developing gut relevant *in vitro* methods for new enzyme candidate screening as well as *in vitro* mode of action studies of the Novozymes/DSM enzyme product portfolio. Mikkel has mostly worked with exogenous feed protease and vegetable protein carbohydrase. He has been part of the Balancius™ project development team since its beginning creating the first feed muramidase enzyme to degrade dead bacteria cell wall material. His current research focuses on understanding the interaction between gastrointestinal functionality and bacterial cell debris.