

SIMPOSIO DE ESPECTROMETRÍA DE MASAS, RESONANCIA MAGNÉTICA, SECUENCIACIÓN DEL GENOMA: Nuevos caminos para la industria y las universidades del siglo XXI

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Martin Kussmann

Martin has acquired research experience in the pharmaceutical, biotech start-up and nutritional industry. Martin holds a B.Sc. from the Univ. Aachen, Germany, and a M.Sc. from the Univ. Konstanz, Germany. He performed his doctoral research in Konstanz and at the University of California, San Francisco, USA. During his doctorate and post-doctorate, he has specialised in mass spectrometry, proteomics and genomics.



From March 2003 to January 2011, Martin was leading the Functional Genomics Group at the Nestlé Research Centre, Lausanne, and was responsible for nutrigenomics and nutri(epi)genetics. In February 2011, Martin joined the Nestlé Institute of Health Sciences (NIHS) on the campus of the Ecole Polytechnique Fédérale Lausanne (EPFL), Switzerland, as Head of the “Molecular Biomarkers Core”, which he has built from scratch. This core facility and program covered five platforms and teams, i.e. proteomics, metabonomics, lipidomics, micronutrient analysis and diagnostics; where proteomics and metabonomics served as the key molecular phenotyping platforms in Martin’s “Systems Nutrition Group” to develop and conduct systems biology-oriented nutrition and health research.

Since 2016, Martin holds a position as Full Professor of “Systems Biology in Nutrition and Health” at the Liggins Institute, The University of Auckland, New Zealand. His team and programme focuses on infant micro- and mycobiome and health; maternal nutrition, breast milk and infant health; and nutritional effects on early-life epigenetics. Also since 2016, Martin is the Scientific Director of the NZ “National Science Challenge” on “High-Value Nutrition”. This 3rd largest NZ National Research Programme focuses on infant, immune, metabolic and gut health with a focus on nutritional innovation for Asian consumers.

Martin has (co-)authored >130 publications, edited books and journal issues. He serves on the Scientific Advisory Boards of Keystone Symposia, the Human Proteome Organisation (HUPO), and the OMICS Group. He is an Editorial Board Member of e.g. Frontiers; Genes and Nutrition; OMICS Journal of Integrated Biology; and Journal of Integrated Omics.