

CV of Invited Faculty

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|  | <p><i>Hsin-Chih LAI</i></p> |
| <p>Position</p> | <p>General Manager</p> |
| <p>Department, Affiliation</p> | <p>Revivebio Biotechnology Company</p> |
| <p>Major Field</p> | <p>Microbiology and Immunology</p> |
| <p>Professional Activities: (Career or membership)</p> | <p>Supervisor, Taiwan Microbiota Consortium</p> |
| <p>Short Bio (in 150 words):</p> | <p>Prof. Hsin-Chih Lai currently serves as the General Manager of REVEVEBIO Biotechnology in Taiwan. He graduated from the Department of Medical Technology at National Taiwan University in 1986 and obtained his Master's degree in Microbiology and Immunology from National Yang-Ming University in 1988. From 1990 to 1994, he completed his doctoral training in the Department of Pathology at the University of Cambridge in the UK. Before entering the biotechnology industry, Dr. Lai held positions as a professor at National Taiwan University and as a distinguished professor and director at Chang Gung University.</p> |

Short Bio (in 150 words):

Dr. Lai's main research interests are mainly on deciphering the interplay among traditional Chinese Medicine, gut microbiome and host Immunity. Gut microbiome composition has been widely studied to be closely associated with normal immune development. However, the situation of dysbiosis leads to the development of inflammatory diseases in local gastrointestinal tract and also in systemic extra-GI organs. Dr. Lai's functional discovery studies focus on identifying the novel bioactive components including the polysaccharides (prebiotics) from traditional medicinal herbs, for the purpose of ameliorating obesity and metabolic syndromes. These are followed by identification of many beneficial bacterial strains (next generation probiotics, NGPs), including *Parabacteroides goldsteinii* on disease amelioration. Dr. Lai's research interests also extend to indications such as ageing, COPD, CRC, neuroinflammation, CKD, and many other chronic inflammation related diseases. The long-term goal of Dr. Lai's research is to identify novel synbiotics and postbiotics out of microbiota for prevention or treatment of chronic inflammation related diseases.

Dr. Lai has more than two hundred research publications, including those published in Nature Medicine, Nature Communications, GUT, Trends in Pharmacology, Protein and Cell, Molecular Microbiology, and Gut Microbes.

***The information will be shown on the website and conference materials only.**