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Institute presentation

Helmholtz Zentrum München (HMGU) is the German Research Center for Environmental Health. It investigates important common diseases which develop from the interaction of lifestyle, environmental factors and personal genetic background, focusing particularly on

diabetes mellitus and chronic lung diseases. Helmholtz Zentrum München is a research institution of the Federal Republic of Germany and the Free State of Bavaria. Genome Analysis Center (GAC) at the HMGU integrates platforms of genomic, transcriptomic, proteomic and metabolomic research, promoting high throughput research in mechanisms of the development of complex diseases as diabetes and drug development for safe therapies. GAC (www.gac-munich.de) has state of the art know-how and expertise with human cohort, animal samples and cell lines analyses and data interpretation. We employ modern biobanking, robotized sample handling and processing, mass spectrometry-based metabolomics (LC-MS/MS) and own publicly available web server for metabolomics data annotation (www.masstrix.org) and evaluation.

metabolomics.helmholtz-muenchen.de