



NATO BIOTECHNOLOGY CONFERENCE

“Prepare, Foster, Protect”

Royal Military Academy,
Brussels, Belgium

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Biography

Dr. rer. nat. Robert KLEEMANN



Robert KLEEMANN is trained as a biochemist (universities Tübingen, Freiburg, Stuttgart) with expertise in the fields of biotechnology, nutrition, metabolism, exercise physiology and inflammation/immunity. His research centres on human health and performance and interventions in processes leading to non-communicable diseases (e.g. obesity, cardiovascular diseases, diabetes and dementias). Together with pharma and nutrition industries, he develops therapeutic strategies and translational preclinical models to study treatment efficacy. Dr.

Kleemann has ample experience in mechanisms underlying human health and disease and a broad range of biotechnologies including gene regulation, metabolomics & proteomics, functional biomarker & ¹⁴C-metabolic flux analyses, neurostimulation & functional MRI). In the past 10 years, he was involved in more than 80 international research programs and multicentre collaborations with partners from pharmaceutical, diagnostic, nutrition and defence industries as well as academia. Dr. Kleemann is associated to clinical centres of research with positions at Leiden University Medical Centre (Assoc. Prof. at Department of Vascular Surgery) and Wageningen University (Department of Human and Animal Physiology). As Director of

Science and Technology at TNO (TNO-Work and Health), he is responsible for scientific and technological breakthrough developments in several sectors critical for defence and security: pandemic preparedness, toxicology, child health, women's health, metabolism & inflammation, microbiology and systems biology, translational in vivo/in vitro systems, organ-on-chip and organ perfusion models, human drug safety studies and ¹⁴C-tracer studies (by AMS), and programs on participation and work.