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Global Health Institute RECRUITING SEMINAR

Brain amyloidosis and gut microbiota: The case of Alzheimer's disease

Wednesday, September 9th, 2015 – 14h00
EPFL – room SV1717a

Tristan Bolmont

Chief Scientist, Stemedica International, Epalinges, Switzerland

Host: Prof. Stewart Cole

Abstract:

Numerous neurodegenerative disorders result from the aggregation of proteins that misfold and accumulate as amyloid deposits in the central nervous system. Alzheimer's disease (AD) is one of these protein conformational diseases and the leading cause of dementia in the Western world. There is to date no cure available or early diagnosis for this devastating neurodegenerative disorder. Despite clinical and experimental evidence implicating the intestinal microbiota in a number of brain disorders, its impact on cerebral amyloidosis in AD is not known. During this seminar, we will disclose our latest preclinical and clinical data towards advancing a novel diagnosis concept and testing novel therapeutic candidates for AD based on microbiota profiling and modulation, respectively.