

## Short CV of Prof. Jean-Luc Wolfender

Jean-Luc Wolfender is a chemist, who completed a PhD in pharmacognosy with Prof. Kurt Hostettmann (University of Lausanne, Switzerland, 1993). After being responsible of the analytical services of this laboratory, he performed his postdoc with Prof. Al Burlingame on *Conus* venom profiling (UCSF, San Francisco). He is now full Professor at the Phytochemistry and Bioactive Natural Product research unit of the School of Pharmaceutical Sciences of the University of Geneva (Switzerland), where is presently the president of the School. He has been strongly involved in the 90s in the introduction of LC-MS and LC-NMR for the profiling of crude plants extracts for dereplication purposes in natural product based drug discovery research programs. He is currently developing innovative MS- and NMR-based metabolomics strategies in the frame of projects related to phytochemistry, microbial interactions and phytotherapy. He is specialised in the *de novo* structure identification of biomarkers at the microgram scale and is using a miniaturised approach that combines activity-based HPLC profiling and high content information bioassays such as those involving zebrafish. His main research interests are focused on the search of novel inducible bioactive natural products in response to various biotic and abiotic stimuli as well for the study of the mode of action of phytopharmaceuticals from a systems biology perspective. He has many collaborations with South America and Asia mainly in relation with bioactivity guided isolation studies for the discovery of novel natural products of therapeutic interest and his involved in the organisation of workshops for the promoting metabolomics with the natural product community.

