



4th WHO Training Course on Adjuvants and Vaccine formulation

- Completed, June 2015 -

Conducted at the Vaccine Formulation Laboratory, University of Lausanne, Switzerland

Sponsored by the European Commission FP7 project ADITEC, the World Health Organization (WHO) has established theoretical and practical training courses on vaccine adjuvants and formulation, taking place at the Vaccine Formulation Laboratory (VFL) training center, located at University of Lausanne (UNIL), Switzerland. In June 2015, the 4th course of this series has been conducted. This five-day theoretical course was open to 13 participants, selected through a competitive process.

Course agenda

The 4th WHO course on Adjuvants and Vaccine Formulation combined lectures with laboratory demonstrations, discussion rounds, and group work on thematic case studies. Nineteen experts from academia, government institutions, and industry presented the state-of-the-art adjuvant systems, such as Aluminium salts, W/O emulsions, O/W emulsions, TLR-dependent adjuvants, Liposomes, Virosomes, PLG particles, Saponins. Additional topics included vaccine immunology, process development, preclinical and clinical development, and regulatory affairs. These topics were presented with specific focus on adjuvanted vaccines. Finally, networking among participants and speakers was emphasized aiming to facilitate new collaborations within the vaccine adjuvant community.

Speakers

**Anita Milicic (University of Oxford, UK), Birgitte Giersing (WHO, Switzerland),
Christian Hotz (University of Fribourg, Switzerland),
Christophe Barnier-Quer (University of Lausanne, Switzerland),
Dennis Christensen (Statens Serum Institute, Denmark), Ed Lavelle (Trinity College Dublin, Ireland),
Eddy Rommel (Rommel Consulting Partners, Belgium), Erik Lindblad (Brenntag, Denmark),
Livia Brunner (University of Lausanne, Switzerland), Nathalie Garçon (Bioaster, France),
Nicolas Collin (University of Lausanne, Switzerland),
Patrice Dubois (University of Lausanne, Switzerland), Pieter Neels (Vaccine Advice, Belgium),
Stéphane Ascarateil (Seppic, France), Stéphane Paul (CHU Saint Etienne, France),
Sylvain Fleury (Mymetics, Switzerland), Sylvie Bertholet (Novartis Vaccines / GSK, Italy),
Thorunn Asta Olafsdottir (University of Gothenburg, Sweden),
Virgil Schijns (University of Wageningen, The Netherlands)**

Feedback from the participants

“This course will definitely impact my future work.”

“Despite my significant experience in the field, I really got some new information in the vaccine, adjuvant, and formulation field.”

“You have shown me the preparation of some adjuvants which I have never seen before.”

“Great to have the opportunity to talk about participants’ activities during the course, in order to start collaborations.”

“Fantastic week, with fast learning possibility.”