



734736- VirFree-RISE-2016 project

Announcement

Nanobody workshop BIOREBA AG and CNRS

Date: 27.03.-28.03.2019

Place: Reinach, Switzerland

Organizers:

BIOREBA AG

& Centre national de la recherche scientifique, CNRS (Group
Christophe Ritzenthaler)

Denise Altenbach (BIOREBA)

Christophe Debonneville

(BIOREBA) Magdalène Kosfitskas

(CNRS) Vianney Poignavent (CNRS)

Christophe Ritzenthaler (CNRS)

Eliane Schnell (BIOREBA)

Dijana Stolz (BIOREBA)

Invited speakers:

Serge Muyldermans (VUB, University of Brussels)

Christophe Ritzenthaler and Magdalène Kosfitskas (CNRS)

Jean-Michel Hily (INRA Colmar)

Anne-Sophie Spilmont (IFV)

Jean-Sébastien Reynard (Agroscope)

Craig Douglas (SASA)



Wednesday, 27.03.2019

09:30	Arrival of participants; coffee and tea	All participants
10:00-10:15	Welcome at BIOREBA & Introduction	D. Stolz D. Altenbach
10:15-11:00	Nanobodies: The story of a serendipitous discovery evolving towards a worldwide applied technology yielding versatile research, diagnostic and therapeutic tools	S. Muyldermans
11:00-11:45	Nanobodies: a camel diet for plants	C. Ritzenthaler
12-13:30	Lunch	All participants
13:30-14:15	PhD project: Nanobodies: The future for agro-diagnostics Introduction to the workshop	M. Kosfiskas
14:15-15:15	Visit of BIOREBA laboratory Start of practical workshop "Nanobody based ELISA" "Sample preparation & coating of the plate"	All participants
15:30-16:00	Comparison of serological, molecular and HTS methods for Grapevine fanleaf virus detection in vineyard samples	J.M Hily
16:15	Departure to the hotel	
17:45	Departure from the hotel to Basel by tram	
18:15	City tour in Basel and dinner	



Thursday, 28.03.2019

09:00-09:30	Practical workshop continued "Conjugation step"	All participants
09:30-11:00	Presentations of invited speakers continued	
	Validation in vines: Nanobodies against GFLV and ArMV	A.S. Spilmont
	Grapevine redblotch virus, a recently described viral pathogen	J.S. Reynard
	Pro & cons with monoclonal antibodies	Craig Douglas
11:00-12:00	Practical workshop continued "Substrate incubation"	All participants
12:00-14:00	Lunch	
14:00-16:00	Improvement of the GLRaV-2 DAS-ELISA	C. Debonneville
	Implementation of Nanobodies in commercially available diagnostic test kits.	C. Debonneville
	Data analysis and discussion	All participants
	Departure	