



Scientific Programme

Monday, 2.2.2026 (Minisymposium)

8:30 Registration

Introduction into biobased materials

9:00 **Introduction to HES-SO** Sergio Schmid

9:10 **EFB Workshop Biobased Materials: a few basic explanations** Manfred Zinn

9:30 **The wonderful world of biopolymers** Manfred Zinn

10:00 *Coffee break*

10:30 **Rational ecodesign and synthesis of functionalized biobased oligoesters and materials** Lucia Gardossi

11:15 **Enzymatic degradation of plastics** Georg Gübitz

12:00 *Lunch break*

Introduction into bioprocesses

13:00 **High-throughput fed-batch cultures: advancing bioprocess efficiency and innovation** Frédéric Forini

13:30 **Scale-up of bioprocess from shake flask to bioreactor: What needs to be considered?** Matthias Bally

14:00 **Real-time monitoring and model predictive control for fed-batch fermentations** Basil Imoberdorf

14:30 *Coffee break*

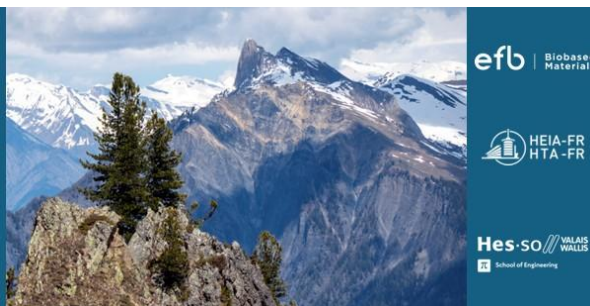
15:00 **PAT Raman: simultaneous detection of extracellular substrate and intracellular product** Matthias Rüdert

15:30 **Presentations by participants (5 min each)**

16:30 **The do's and don'ts to start a company in biomaterials (Start-up 3lit)** Sara Nasiri Sovari

2nd European Workshop on Biotechnology Biobased Materials

2 – 5 February 2026 Sion, Switzerland



efb | Biobased Materials

HEIA-FR
HTA-FR

Hes-so | VALAIS
WALLIS
School of Engineering

17:00 *Apéro and networking*

Tuesday, 3.2.2026 (Laboratory)

Tailor-made biomaterials

8:30	Program of the day			Manfred Zinn
	Screening Simon Biel	Bioreactors Matthias Bally	PHA biosynthesis Julien Pott	Biodegradation Georg Gübitz
8:40	Group 1	Group 4	Group 3	Group 2
9:25	Group 2	Group 1	Group 4	Group 3
10:10	Coffee break			
10:40	Group 3	Group 2	Group 1	Group 4
11:25	Group 4	Group 3	Group 2	Group 1
12:10	Lunch			
	Rheology of Biopolymers Philippe Renaud		Tailormade PHA Véronique Amstutz, Manfred Zinn	
13:10	Group 1 & 2		Group 3 & 4	
13:55	Group 3 & 4		Group 1 & 2	
14:40	Coffee break			
15:15	Challenges and solutions in processing of composites containing biosourced fibres and matrices			Véronique Michaud
16:00	How sustainable are biotechnologies?			Tim Börner
16:45	Workshop case studies			
17:15	Valorization of Lignin (Bloom start-up)			Philip Scholten
18:30	Workshop Raclette and wine degustation			Christophe Jacquod



Wednesday 4.2.26 (Minisymposium and Laboratory)

Processing of biopolymers

9:00	Program of the day			Manfred Zinn
9:15	Bioplastics – overview, classification and trends			Daniel Schwendemann
10:00	3D printing			Daniel Werren
10:30	<i>Coffee break</i>			
11:00	Designed bioinks for reproducible <i>in-vitro</i> biology (Start-up Amela Biosciences)			Sandra Núñez
11:30	Analysis of growth studies			Simon Briel
12:15	<i>Lunch break</i>			
13:15	Biodegradation of polymers			Georg Gübitz
14:00	Analysis and control of enzymatic degradation for the surface modification of biopolymers			Nils Hanik
14:45	Insights into bacterial cellulose: from properties to application trends	Group 1	Group 2	Auxi Prieto
15:30	<i>Coffee break</i>			
16:00	Microalgae	Group 2	Group 1	Julien Pott
16:45	Endotoxin quantification using a rare sugar acid as endotoxin marker (Start-up NOTRIX)			Anika Hoffmann
17:15	Workshop case studies			



Thursday, 5.2.2026 (Minisymposium)

Life cycle assessment and case studies

8:30	Program of the day	Manfred Zinn
8:40	Biobased and biodegradable Elastomers for abrasion critical applications (Kuori start-up)	Arthur Groh
9:10	Sustainability assessments to guide research and technology development	Claudia Som
9:50	<i>Coffee break</i>	
10:20	Keratin: An undervalorized Biopolymer	Roger Martí
10:50	Final discussion	Auxi Prieto, Roger Martí, Manfred Zinn
12:00	End of the Workshop	