

MASTER OF SCIENCE IN LIFE SCIENCES (MSc LS)

Organigramm

A cooperation between BFH, FHNW, HES-SO, ZHAW

Steering Committee

Roland Stähli	BFH	Georg Lipps	FHNW	Olivier Naef	HES-SO	Diyana Petrova	ZHAW
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Coordinating Office: Carolina Spitz

Programme Directors

Filippo Lechthaler	BFH	Georg Lipps	FHNW	Urban Frey	HES-SO	Jasmin Tereni	ZHAW
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Heads of Specialisations

Cluster Food	Cluster Bio/Pharma	Cluster Chemistry	Cluster Environment	Group BECS *
Food and Beverage Innovation (FBI) Sandra Burri ZHAW	Pharmaceutical Biotechnology (PB) Regine Eibl ZHAW	Chemistry for the Life Sciences (CLS) Jürgen Stohner ZHAW	Natural Resource Management (NRM) Beat Oertli HES-SO	Applied Computational Life Sciences (ACLS) Manuel Gl / Matthias Nyfeler ZHAW
Viticulture and Enology (VE) Laure van Gysel HES-SO	Applied Biosciences (AB) Urban Frey HES-SO	Chemical Development and Production (CDP) Olivier Nicolet HES-SO	Agricultural Sciences (AS) Urs Scheidegger BFH	Biomedical Engineering (BE) David Hradetzky FHNW
Food, Nutrition and Health (FNH) Daniel Heine BFH	Bioanalytics (BA) Georg Lipps FHNW	Chemistry (CH) Marianne Hürzeler FHNW	Forest Sciences (FS) Jean-Jacques Thormann BFH	
	Pharmatechnology (PT) Martin Kuentz FHNW		Environmental Technologies (ET) Armin Zenker FHNW	

Module Coordinators

Core Competences (CC-Modules)

B1 Business Administration for Life Sciences – **Lorenz Probst**
 B2 Management and Leadership for Life Sciences – **Daniel Spinnler**
 B3 Innovation and Project Management – **Robert Vorburger**
 B4 Politics and Society – **Ian Jennings**
 D1 Handling and Visualising Data – **Manuel Gil**
 D2 Design and Analysis of Experiments – **Lorenzo Tanadini**
 D3 Modelling and Exploration of Multivariate Data – **Thomas Ott**

Cluster-specific Modules (CS-Modules)

F1 Progresses in Food Processing – Michael Beyrer F2 Nutrition and Nutrition Related Chronic Diseases – Beatrice Baumer F3 Foodomics – Wolfram Brück F4 Sustainable Sourcing, Processing and Tracing of Food – Claudia Müller F5 Advanced Sensory Techniques – Pascale Deneulin F6 Journal Club "Food and Nutrition Sciences" – Franziska Götz	BP1 Compound Profiling in Pharmaceutical Drug Discovery – Laura Suter-Dick BP2 Drug Formulation and Delivery for Solid Dosage Forms – Georgio Imanidis BP 3 Design of Biopharmaceutical Production Facilities – Dieter Eibl BP4 Regulatory Affairs – Marc Pfeifer BP5 Physiology and Immunotherapies – Bruno Schnyder BP6 Tissue Engineering for Drug Discovery – Michael Raghunath BP7 Bioanalytics in a Regulated Environment – Francka Kalman	C1 Materials Science – Michael de Wild C2 Surface Characterisation – Michael de Wild C3 Polymers and Applications – Pierre Brodard C4 Green Chemistry – Jürgen Stohner C5 Chemistry and Energy – Jürgen Stohner C6 Industrial Chemical Process Safety – Ludovic Gremaud
E1 Journal Club Environmental and Natural Resource Sciences – Lindsey Norgrove E2 Life Cycle Assessment – Matthias Meier E3 Sustainable Natural Resource Management – Dominic Blättler E4 Ecological Infrastructure in Landscapes – Claude Fischer E5 Biodiversity – Andreas Stampfli E6 Water Management for Households, Industry and Agriculture – Emmanuel Oertlé	BECS1 Modelling of Complex Systems – Sven Hirsch BECS2 Machine Learning and Pattern Recognition – Krzysztof Kryszczuk BECS3 Medical Imaging and Image Processing – Alex Ringenbach BECS4 Optimisation Methods – Erik Schkommodau	

* Biomedical Engineering and Computational Science