

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

ZHAW

Programme Directors

Stefan Flückiger	BFH	Georg Lipps	FHNW	Urban Frey	HES-SO	Andreas Hock	ZHAW
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Heads of Specialisations

Cluster Food	Cluster Bio/Pharma	Cluster Chemistry	Cluster Environment	Cluster Computation
Food and Beverage Innovation (FBI) Sandra Burri	Pharmaceutical Biotechnology (PB) Steffi Lehmann	Chemistry for the Life Sciences (CLS) Jürgen Stohner	Natural Resource Management (NRM) Beat Oertli	Applied Computational Life Sciences (ACLS) Matthias Nyfeler
Viticulture and Enology (VE) Liming Zeng	Applied Biosciences (AB) Urban Frey	Chemical Development and Production (CDP) Olivier Nicolet	Agricultural Sciences (AS) Fabio Mascher	Biomedical Engineering (BE) David Hradetzky
Food, Nutrition and Health (FNH) Marie Noelle-Falquet	Bioanalytics (BA) Georg Lipps	Chemistry (CH) Marianne Hürzeler	Forest Sciences (FS) Jean-Jacques Thormann	
	Pharmatechnology (PT) Martin Kuentz		Environmental Technologies (ET) Armin Zenker	

Module Coordinators

Core Competences (CC-Modules)

B1 Business Administration for Life Sciences – Sandra Schweizer/Wendy Karli
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 – Stefanie Feiler
D3 Modelling and Exploration of Multivariate Data – Yulia Sandamirskaya
D4 Data and Ethics – Pascal Moriggi

Cluster-specific Modules (CS-Modules)

F1 Progresses in Food Processing – Michael Beyer F2 Nutrition and Nutrition Related Chronic Diseases – Janice Sych 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 Götzke	BP1 Compound Profiling in Pharmaceutical Drug Discovery – Laura Suter-Dick BP8 Physicochemical Principles in Pharmaceutics – Oliver Germershaus BP3 Design of Biopharmaceutical Production Facilities – Dieter Eibl BP4 Regulatory Affairs – Marc Pfeiffer BP5 Physiology and Immunotherapies – Bruno Schnyder BP6 Tissue Engineering for Drug Discovery – Michael Raghunath BP7 Bioanalytics in a Regulated Environment – Franka 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
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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 – Christoph Hugi

CO1 Modelling of Complex Systems – Sven Hirsch
CO2 Machine Learning and Pattern Recognition – Claus Horn
CO3 Optimisation and Bio-Inspired Algorithms – Thomas Ott
CO4 Imaging for the Life Sciences – Georg Spinner