



## Faculty of Technology and Metallurgy University of Belgrade

within the H2020 project:

**Twinning to excel materials engineering for medical devices**

and the Horizon Europe project:

**Twinning for intensified enzymatic processes for production of prebiotic-containing functional food and bioactive cosmetics**

organized:

- Workshop on project management skills

- Seminar on enzyme modification and structural characterization of oligosaccharides in the field of enzymatically derived prebiotics

- Seminar on human microbiota analysis

**07.02.-10. 02.2023.**

Conference hall of the Faculty of Technology and Metallurgy, Karnegijeva 4, Belgrade

Participation in the workshop is intended for teachers and researchers of FTM and ICFTM. Prior registration is required by sending an electronic application to the address [excellmater@gmail.com](mailto:excellmater@gmail.com) with the subject: Application for the workshop.

### Expert Lectures Organizations:



The projects are funded by the European Union Framework Program for Research and Innovation **Horizon 2020** (contract no. 952033) and **Horizon Europe** (contract no. 101060130).



## Program

### TUESDAY 07.02.2023. Selected topics in project proposal preparation

	Opening and welcome	9:00 - 9:10	Petar Uskokovic, TMF
	ExcellMater introduction	9:10 - 9:20	Bojana Obradovic, TMF
	TwinPrebioEnz introduction	9:20 – 9:30	Dejan Bezbradica, TMF
1	Writing hypothesis, objectives and impacts of the project in the proposal	9:30 – 10:30	Mauro Alini, ARI
	Coffee break	10:30 - 11:00	
2	Writing hypothesis, objectives and impacts of the project in the proposal (Cont.-)	11:00 - 11:30	Mauro Alini, ARI
3	Discussion on homework assignments	11:30 – 13:00	with M. Alini (ARI) and M. Gasik (AALTO)
	Lunch break	13:00 – 14:00	
	Poster session – Presentation of institutions and research groups participating in TwinPrebioEnz and ExcellMater	14:00 – 16:00	FTM, AALTO, CSIC, RadboudUmc, MU

### WEDNESDAY 08.02.2023. Project management and administration

1	Evaluation procedure of project proposals – point of view of the reviewer	9:00 – 10:30	M. Gasik, AALTO
	Coffee break	10:30 - 11:00	
2	Project preparation (CA, GA, DMP)	11:00 – 12:00	P. Hongisto, AALTO
3	Project management (reporting, financial management, auditing)	12:00 – 13:00	P. Hongisto, AALTO
	Lunch break	13:00 – 14:00	



<b>Seminar on enzyme modification and structural characterization of oligosaccharides as tools for improvement in field of enzymatically derived prebiotics</b>			
	The role of Spanish National Research Council (CSIC) in TwinPrebioEnz	14:00 – 14:20	D. Bezbradica, FTM
4	Production, characterization and genetic modification of bacterial enzymes	14:20 – 14:50	B. de las Rivas, CSIC
5	New routes in protein chemical modification for biocatalysts properties improvement	14:50 – 15:30	J. M. Palomo, CSIC
	Coffee break	15:30 - 16:00	
6	Design and development of enzyme heterogeneous catalysts for sugar transformations	16:00 – 16:30	C. Mateo, CSIC
7	Enzymatic production and characterization of non-digestible carbohydrates with prebiotic potential	16:30 – 17:00	J. Moreno, CSIC A. Montilla, CSIC
8	Presentation of joint research results of CSIC and FTM	17:00 – 17:20	A. Vukoičić, FTM
	Visit to FTM laboratories	17:20 – 18:30	

**THURSDAY 09.02.2023. Project proposal preparation and project management: Going into practice**

1	Graphical illustrations in project proposals (e.g., project aim, impact)	9:30 - 11:00	E. van den Bogaard, Radboudumc
	Coffee break	11:00 - 11:30	
2	The evolution of a project proposal in the Radboudumc	11:30 – 13:00	E. van den Bogaard, Radboudumc
	Lunch break	13:00 – 14:00	
	Round table <i>Finding best practices for supporting researchers at FTM</i>	14:00 – 16:00	AALTO, Radboudumc, FTM, CSIC, MU

<b>FRIDAY 10.02.2023. Seminar on human microbiota analysis</b>			
	The role of Maastricht University (MU) and Radboud University Medical Center (RadboudUmc) in TwinPrebioEnz	9:00 – 9:20	D. Bezbradica, FTM
1	Everything you always wanted to know about gut microbiota	9:20 – 10:05	K. Venema, MU
2	The sophisticated <i>in vitro</i> models of the GI tract - TIM	10:05 – 10:45	K. Youssef Abboud, MU
	Coffee break	10:45 - 11:15	
3	The basics of skin microbiota and their relevance for health and disease	11:15 – 11:40	E. van den Bogaard, Radboudumc
4	3D organotypic skin models to study skin biology and diseases	11:40 – 12:00	L. Meesters, Radboudumc
5	Skin microbiome models: from clinical associations to functional implications.	12:00 – 13:00	E. van den Bogaard, Radboudumc
	Lunch break	13:00 – 14:00	
	Meeting of TwinPrebioEnz Project Consortium	14:00 – 16:00	FTM, CSIC, RadboudUmc, MU

For more information visit <https://excellmater.tmf.bg.ac.rs/>