NANOMATERIALS FOR MEDICAL APPLICATIONS

Summer school programme

Erasmus+ Blended Intensive Programme (BIP) ID CODE: 2022-1-CZ01-KA131-HED-000063506-1

	Monday 17.7.	**Tuesday - 18.7.**	**Wednesday - 19.7.**	**Thursday - 20.7.**	**Friday - 21.7.**
	Welcome	Work hard	Work harder	Enjoy	Discuss & Conclude
TIME | LOCATION	IC building – 1st floor (IC -1016)	L building 4th floor (L 04003)	L building 4th floor (L 04003)	IC building – University square	T building 4th floor (T-4006)
8:30 – 9:00	Registration; Organizational issues; payment for lunches	Organisational issues	Organisational issues		Organisational issues; Signing of Learning Agreement
9:00 – 9:30	WELCOME MEETING Opening speech TUL Erasmus presentation TUL campus tour	LECTURE 1 Analysis of electric field for different types of spinning electrodes. (Jan Valtera)	TEAM 1 - free time TEAM 2 - Analysis of nanofibers (T 3028) TEAM 3 - Testing of the electrode for production of nanofibers; (L 01040) TEAM 4 - Visit of the laboratory for production of braided nanofibrous threads (T 3023)	Bus TRIP to Ještěd TV tower, Grabštejn castle and Trojzemí. Departure from the TUL University square at 9:30.	LECTURE 2 Clinical studies of nanofibrous materials (David Lukáš)
9:30 – 10:00					
10:00 – 10:30		Q&A + Coffee break			Q&A + Coffee break
10:30 – 11:00	Q&A + Coffee break	TEAM 1 – Testing of the electrode for production of nanofibers; (L 01040) TEAM 2 - Visit of the laboratory for production of braided nanofibrous threads (T 3023) TEAM 3 & 4 - Excursion to company Elmarco s.r.o. (Departure from L - building)	Q&A + Coffee break		LECTURE 3 Future perspectives and visions of the research field (David Lukáš)
11:00 – 11:30	Student presentation of final electrode design (Team 1 ÷ 4)		TEAM 1 & 2 Excursion to company Elmarco s.r.o. (Departure from L - building) TEAM 3 - Analysis of nanofibers (T 3028) TEAM 4 - Testing of the electrode for production of nanofibers; (L 01040)		
11:30 – 12:00					LUNCH (university menza)
12:00 – 12:30	LUNCH (university menza)	LUNCH (university menza)			
12:30 – 13:00			LUNCH (university menza)		Final presentation of student teams – discussion and conclusion of results
13:00 – 13:30	LABORATORY TOUR Department of Advanced Technologies - Additive Manufacturing (L 01026) Department of Chemistry / Bioengineering – DC electrospinning (T 01028) Nanoprogress laboratory - AC-electrospinning technology (L 02224) Department of Textile Machine Design – high-speed camera for analysis of nanofiber production process (L 01040)	TEAM 1 - Analysis of nanofibers (T 3028) TEAM 2 - Testing of the electrode for production of nanofibers; (L 01040) TEAM 3 - Visit of the laboratory for production of braided nanofibrous threads (T 3023) TEAM 4 - free time			
13:30 – 14:00			TEAM 1 - Visit of the laboratory for production of braided nanofibrous threads (T 3023) TEAM 2 & 3 free time TEAM 4 - Analysis of nanofibers (T 3028)		
14:00 – 14:30					Certificates awarding
14:30 – 15:00		Q&A + Coffee break			FAREWELL EVENT (building T)
15:00 – 15:30	Q&A + Coffee Break		Q&A + Coffee break		
15:30 – 16:00	Guided city tour (start at the university square)	Northern Bohemia Museum visit			
16:00 – 17:30			Presentation preparation (Optional, Team work)		
17:30 – 18:00	Welcome event start at the Plaudit restaurant				