

**BioTUNE SUMMER COURSE 2023 Program Schedule**  
Yogyakarta, Indonesia (GMT+7)

Monday, July 10, 2023	08.00-08.30	<b>Welcoming Participants</b>
		Welcome Remarks from Prof. Widowati Siswomihardjo (Director of the Doctoral Study Program)
		Address from Dr. Carlos Mas Moruno (BioTUNE Consortium)
		Introduction and Explanation About Summer Course Programs by Summer Course Coordinator
	08.30-10.00	Visit Labs, Faculties, and UGM Area Plus Photo Session
		(Guided by Dr. Alma Linggar Jonarta and Dr. Nunuk Purwanti)
	10.00-10.15	Coffee Break
	10.15-11.00	Scaffolds Fabrication from Biogenic Resources
		Dr. Yusril Yusuf - UGM, Indonesia
	11.00-11.45	Click Reactions and Their Biomedical Applications
		Dr. Bidhari Pidhatika - National Research and Innovation Agency (BRIN), Indonesia
	11.45-13.15	Lunch Break
	13.30-14.15	Growth Factor Microenvironments in Stem Cell Engineering
		Dr. Manuel Salmeron-Sanchez - The University of Glasgow, UK (ONLINE)
	14.15-15.00	Nanoscale Control of Stem Cell Fate
		Dr. Matthew Dalby - The University of Glasgow, UK (ONLINE)
	15.00-15.30	Coffee Break
	15.30-16.15	Development of Micro- and Nano-patterned Surfaces for the Modulation of Cells and Bacteria
		Dr. Bo Su - The University of Bristol, UK (ONLINE)
	16.15-17.00	Role of Biomaterials and Tissue Engineering in Future Viral Outbreaks
		Dr. Vasif Hasirci (ONLINE) - Acibadem University, Turkey
Tuesday, July 11, 2023	08.30-08.45	Introduction to the BioTUNE Project
		Dr. Carlos Mas Moruno
	08.45-09.15	The Use of Multifunctional Peptides in Biomaterials
		Dr. Carlos Mas Moruno - University Politecnica de Catalunya, Spain

	09.15-10.00	Development of Biofunctionalized and Patterned Biosensors
		Dr. Diego Pallarola - Universidad Nacional de San Martín, Argentina
	10.00-10.15	Coffee Break
	10.15-11.00	Development of Multifunctional Coatings and Study of Immunomodulation on Medical Implants
		Dr. Nihal Engin Vrana - INSERM, France
	11.00-11.45	Nano and Microfabrication of the Highway for Cell Tuning in Biomedical Applications
		Dr. Siti Hawa Ngalm - University Sains Malaysia, Malaysia
	11.45-13.15	Lunch Break
	13.15-16.45	Visit Science Techno Campus and Agriculture Innovation Center
		(Guided by Dr. Ika Dewi Ana and Dr. Dedy Kusuma Yulianto)
	17.00-21.00	Departure to Prambanan Temple for Sunset and Dinner
Wednesday, July 12, 2023	06.30 - 12.30	Outdoor Learning and Visit Borobudur Temple
	12.00-13.30	Lunch Break
	13.30-14.15	Staphylococcus aureus: Concepts of Microbiology, Proof of Concept in Production of Antibacterial Compounds
		Dr. Roberto Spurio - The University of Camerino, Italy
	14.15-15.00	Antimicrobial supramolecular coatings for medical devices
		Dr. Philippe Lavalie - INSERM, France
	15.00-15.30	Coffee Break
	15.30-16.15	Matrix-bound Growth Factors to Activate Signaling and Stem Cell Differentiation
		Dr. Ada Cavalcanti-Adam - Max Planck Gesellschaft (MPG), Germany
	16.15-16.45	Wrap Up and Intro for Thursday and Friday Activities
	16.45	Free Time
Thursday, July 13, 2023	08.30-10.00	Workshop on Amazing Flash Presentations with BioTUNE Senior Members
		(Training, Flash Presentation by Students, Awards)
	10.00-10.15	Coffee Break
	10.15-11.45	(Training, Flash Presentation by Students, Competition for Awards)

	11.45-13.00	Lunch Break
	13.00-15.00	Workshop on Technology Transfer with Examples of Cases
		Dr. Nihal Engin Vrana (INSERM), Dr. Diego Pallarolla (Universidad Nacional de San Martín), Dr. Widowati Siswomihardjo (UGM), Dr. Ika Dewi Ana (UGM), Dr. Maria Pau Ginebra (University Politecnica de Catalunya)
	15.00-15.30	Coffee Break
	15.30-16.15	Microfluidic Based Organ on a Chip as a New Platform for Biomedical Research Translation
		Dr. Natalia Beshchasna and Dr. Dmitry Belyaev - IKTS, Fraunhofer
	16.15-21.00	Students Will Have Free Time for City Tour/ Sightseeing with Bus
	16.15-21.00	BioTUNE General Assembly
Friday, July 14, 2023	08.00-17.00	Outdoor Learning and Visit Java Man Museum (The Site Where Pythecanthropus erectus was Found), Geological Sites, and Temples
		Dr. Didit Hadi Barianto (Geologist and Paleologist) - Universitas Gadjah Mada

