

Programme of the Autumn School “Nanotechnology and biomedical engineering”*

Organized by the Technical University of Moldova, under the Horizon 2020 research and innovation programme, grant agreement No 810652.

14.09.19		
Lecture 1 9.00 – 10.20	Acad. Ion Tighineanu Academy of Sciences of Moldova	Introduction in Nanotechnology and Nanomedicine
10.20 – 11.00	<i>Coffee break & discussions</i>	
Lecture 2 11.00 – 12.20	Dr. Anella Seddon University of Bristol, UK	Molecular self-assembly for drug delivery and nano-scale characterization
12.20 – 13.20	<i>Lunch</i>	
Lecture 3 13.20 – 14.40	Prof. Viorel Nacu “Nicolae Testemițanu” State University of Medicine and Pharmacy	Introduction in tissue engineering, biocompatible materials, and stem cells
14.40 – 15.00	<i>Coffee break & discussions</i>	
Lecture 4 15.00 – 16.20	Dr. Serghei Railean Technical University of Moldova	Advanced techniques of signal processing in biomedical engineering
15.09.19		
Lecture 1 9.00 – 10.20	Prof. Victor Sontea Technical University of Moldova	Biomedical Engineering
10.20 – 11.00	<i>Coffee break & discussions</i>	
Lecture 2 11.00 – 12.20	Dr. Tudor Braniste Technical University of Moldova	Nanomaterials for bio-medical applications
12.20 – 13.20	<i>Lunch</i>	
Lecture 3 13.20 – 14.40	Dr. Eduard Monaico Technical University of Moldova	Electrochemistry in nanofabrication and microfluidics
14.40 – 15.00	<i>Coffee break & discussions</i>	
Lecture 4 15.00 – 16.20	Prof. Veaceslav Ursachi Academy of Sciences of Moldova	Nano-optoelectronics and nanophotonics

16.09.19		
Lecture 1 17.00 – 18.20	Dr. Serghei Cebotari / Dr. Igor Tudorache Hannover Medical School, Germany	Artificial Organs and transplantation
18.20 – 18.40	<i>Coffee break & discussions</i>	
Lecture 2 18.40 – 20.00	Prof. Ghenadie Curocichin "Nicolae Testemițanu" State University of Medicine and Pharmacy	Nanotechnologies in genetic testing
17.09.19		
Lecture 1 16.00 – 17.00	Dr. Andres Hilfiker Hannover Medical School, Germany	Cardiovascular tissue engineering
Lecture 2 17.10 – 18.20	Dr. Andrei Sarua University of Bristol, UK	Plasmonics for biochemical sensing
18.20 – 18.40	<i>Coffee break & discussions</i>	
Lecture 3 18.40 – 20.00	Prof. Hidenori Mimura Shizuoka University, Japan	Fabrication of highly aligned CNT sheets and their application to strain sensors
18.09.19 – 20.09.19		
9.00 – 18.00	Participation at the 4th International Conference on Nanotechnologies and Biomedical Engineering	