



# 1<sup>st</sup> international Webinar on Functional Nanomaterials; Chemistry and Biointeractions



Lorestan University

Session 1 (20.04.2021)				
Chemistry: Synthesis, Functionalization, Characterization and Properties				
Opening	Affiliation	Title	Time (GMT)	Iran time
<b>Prof. Mohsen Adeli</b>	Department of Chemistry, Lorestan University, Khorramabad, Iran	Opening talk	08:30- 09:00 am	13:00 - 13:30
Chairman Prof. Mohsen Adeli				
Invited speaker	Affiliation	Title	Time (GMT)	Iran time
<b>Prof. M. Reza Hormozi-Nezhad</b>	Department of Chemistry, Sharif University of Technology, Tehran, Iran	Nature Inspired Nanoplasmonic Sensor Arrays	09:00- 09:45 am	13:30 - 14:15
<b>Prof. Alberto Bianco</b>	Institute of Molecular and Cellular Biology, UPR3572 ICT, CNRS, Strasbourg, France	Design and Applications of Multifunctional Carbon Nanomaterials	10:00- 10:45 am	14:30 -15:15
<b>Prof. Naoki Komatsu</b>	Graduate School of Human and Environmental Studies, Kyoto University, Sakyo-ku, Kyoto, Japan	Polyglycerol Grafted Nanodiamond Avoids Protein Corona Formation, Evades Macrophage Uptake and Images Tumor Fluorescently	11:00- 11:45 am	15:30 - 16:15



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Chairman Prof. Yaghoub Mansourpanah				
Invited speaker	Affiliation	Title	Time (GMT)	Iran time
<b>Prof. Raul Arenal</b>	Instituto de Nanociencia de Aragon (INMA), Universidad de Zaragoza-CSIC, Spain	Structural and Chemical Analyses at the Atomic Scale of Low Dimensional Materials by TEM	14:00 - 14:45	18:30 - 19:15
<b>Prof. Alexander Greer</b>	Department of Chemistry, The City University of New York, Brooklyn College	Mechanistic Organic Photochemistry: Photogeneration of Reactive Oxygen Intermediates in Solution and on Nanoparticle Interfaces	15:00 - 15:45	19:30 - 20:15
<b>Prof. Alireza Ghiasvand</b>	Department of Chemistry, Lorestan University, Khorramabad, Iran	Application of Functional Materials in Sample Pretreatment	16:00 - 16:45	20:30 - 21:15



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Session 2 (21.04.2021)				
Biomedical Applications				
Chairman Prof. Abedin Zabardasti				
Invited speaker	Affiliation	Title	Time (GMT)	Iran time
<b>Prof. Marcelo Calderon</b>	Faculty of Chemistry, University of the Basque Country UPV/EHU, Spain	Near infrared (NIR) Responsive Nanogels for Synergetic Cancer Treatment: Exploring the Potential and Limitations of Photothermia and Chemotherapy	10:00 - 10:45 am	14:30 - 15:15
<b>Prof. Cheng Chong</b>	Department of Polymer Science, Sichuan University, China	Bionic Design and Anti-Infection Studies of Novel Broad-Spectrum Antibacterial and Antiviral Nanostructures	11:00- 11:45 am	15:30 - 16:15
<b>Prof. Hossein Baharvand</b> <b>Dr. Mohammad Kazemi</b>	Department of Stem Cells and Developmental Biology, Royan Institute, Tehran, Iran	Micro- and Nanoengineering Approaches for Directing Stem Cell Fate	12:00- 12:45 am	16:30 - 17:15



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Chairman Dr. Hamid Reza Shamlouei				
Invited speaker	Affiliation	Title	Time (GMT)	Iran time
<b>Prof. Barbara Klajnert</b>	University of Lodz, Faculty of Biology and Environmental Protection, Department of General Biophysics, Lodz, Poland	Dendrimers in Cancer Therapy	14:00 - 14:45	18:30 - 19:15
<b>Prof. Fatemeh Atyabi</b>	Tehran University of Medical Sciences, Tehran, Iran	RNAi Therapeutics: A Novel Class of Pharmaceutics in Cancer Treatment	15:00 - 15:45	19:30 - 20:15
<b>Prof. Vivek Pachauri</b>	Aachen, Nordrhein-Westfalen, RWTH Aachen University, Germany	Two-Dimensional BioNanoInterfaces in Biosensor and Bioelectronics – A Brief Overview of Graphene Based Platforms for Real Application	16:00 - 16:45	20:30 - 21:15
<b>Prof. Mohammad Javad Hajipour</b>	The Persian Gulf Biomedical Sciences Research Institute, Bushehr University of Medical Science	Nanoparticle-Protein Interaction	17:00 - 17:45	21:30 - 22:15
<b>Prof. Mohsen Adeli</b>	Department of Chemistry, Lorestan University, Khorramabad, Iran	Synthesis of Two-Dimensional Polymers Using Colloidal Platforms and Their Pathogen Interactions	17:45 - 18:30	22:15 - 23:00

Scientific Committee		
<b>Prof. Abedin Zabardasti</b>	<b>Dr. Siamak Beyranvand</b>	<b>Prof. Mohsen Adeli</b>

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