

**Summer School „The Path to Scientific Discoveries” 22 – 26 June 2026**  
**Academy of Sciences of Moldova, Blue Hall**

Online Connection via ZOOM

<https://us02web.zoom.us/j/88200607429?pwd=kDrbT7bGMLrall1qq5YmeCN21OhPc6.1>

Meeting ID: 882 0060 7429; Passcode: 662317

**Monday, June 22, 2026**

<b>13.00</b>	<b>Registration of Participants</b>	
<b>14.00</b>	<b>Opening Ceremony</b>	
	<ul style="list-style-type: none"> <li>- Acad. Ion TIGINYANU, President of the Academy of Sciences of Moldova</li> <li>- Prof. Hiroshi AMANO, Nobel Prize Laureate, Nagoya University, Japan</li> <li>-</li> </ul>	
<b>14.30</b>	Acad. Ioan-Aurel POP, President of the Romanian Scientific Council, Honorary Member of the ASM	<i>Education through History</i>
<b>15.00</b>	Prof. Florin STĂNICĂ, Corresponding member of the Romanian Academy. President of the Academy of Agricultural and Forestry Sciences from Romania	<i>New Fruit Tree Species and Their Place in the Pomiculture of the Future</i>
<b>15.30</b>	<b>Coffee break</b>	
<b>16.00</b>	Prof. Richard ROBERTS, New England Biolabs, USA, Nobel Prize Laureate	<i>The Path to the Nobel Prize</i>
<b>16.45</b>	Acad. Isaac BERSUKER, Oden Institute of Computational Engineering and Science. The University of Texas at Austin, USA, Full Member of the Academy of Sciences of Moldova	<i>The Jahn-Teller and Pseudo-Jahn-Teller Effects as Powerful Tools in Search for Novel Properties of Matter</i>
<b>17.45</b>	Jeffrey N. Williams, NASA Astronaut	<i>Building the International Space Station.</i>

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<b>Tuesday June 23<sup>rd</sup>, 2026</b>		
<b>8.30 Welcome Coffee</b>		
<b>9.00</b>	Prof. Ioan CHELARU, Honorary President of the Academy of Legal Sciences in Romania	About the rule of law and more
	Prof. Gheorghe BUTA, Academy of Legal Sciences of Romania	Romania and Moldova in the European legal space
<b>9.45</b>	Prof. Mircea BEURAN, President of the Romanian Academy of Medical Sciences, Honorary Member of the ASM	Prisoners of screens and the hidden dangers of social networks
		Substance use, a phenomenon with a major impact on health
<b>10.30</b>	<b>Coffee break</b>	
<b>11.00</b>	Prof. Valeriu V. JINESCU, President of the Romanian Academy of Technical Sciences	Engineering, engineers and technical creations in Romania
<b>11.30</b>	Acad. Doru PAMFIL, Romanian Academy, President of the Cluj Branch	The Architecture of Curiosity – the Path to Scientific Discovery
<b>12.00</b>	Prof. Denis DELETANT, UK, Honorary Member of the ASM	The beauty and meanderings of the Goddess Clio
<b>12.30</b>	<b>Lunch Break Group Activities</b>	
<b>14.00</b>	Dr. Andrei SARUA, University of Bristol, UK	Shining light on materials and devices: to reliability and beyond
<b>14.45 (Online)</b>	Dr. Emmanuel FLAHAUT, HDR, CNRS research director; Responsable équipe Nanocomposites, Nanomatériaux Carbonés: Elaboration, Densification; Fellow of the European Academy of Sciences (EURASC)	Introduction to nanomaterials: applications and potential impacts on health and the environment
<b>15.30</b>	<b>Coffee break</b>	
<b>16.00</b>	Stephanie BOYCE FKC, The Law Society of England and Wales and Robert WILLIAMS, News247WorldPress	The population's access to justice and legal services, the evolution of justice around the world, legal education and its role
<b>16.45</b>	Dr. Valeriu CAZACU, Technical University of Moldova	ANTARCTICA - continent, natural scientific laboratory, model of international cooperation, 65 years since the signing of the Antarctic Treaty
<b>17.15 18.00</b>	<b>Group Activities</b> Group 1. Medicine (Coordinator Dr. Madalina Valache, Mădălina Bivol) Group 2. Plant Biology (Coordinator Dr. Gabriela Romanciuc, IGFPP of USM, ASM)	

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	<p>Group 3. Ecology and Environmental Protection (Coordinator Dr. Elena Culighin, Institute of Chemistry, USM)</p> <p>Group 4. Engineering (Coordinator Dr. Veaceslav Sprincean, USM / Dr. Tudor Braniște UTM/AȘM)</p> <p>Group 5. Food Engineering (Coordinator Dr. Adelina Dodon, AȘM/UTM)</p> <p>Group 6. Communication (Coordinator Cristina Bumbu, AȘM)</p>

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<b>Wednesday, June 24, 2026</b>		
<b>8.30 Welcome Coffee (Participants staying at the USMF Hotel)</b>		
<b>9.00</b>	<b>M.C. Olga CERNEȚCHI, Rector of the "Nicolae Testimîțanu" State University of Medicine and Pharmacy</b>	<b>Reproductive health: demographic aspects</b>
<b>9.30</b>	<b>Prof. Larisa SOFRONI, Oncologic Institute. "Nicolae Testimîțanu" State University of Medicine and Pharmacy</b>	<b>Hope through knowledge. What is cancer and how can we prevent it?</b>
<b>10.00</b>	<b>M.C. Eugeniu BENDELIC, "Nicolae Testimîțanu" State University of Medicine and Pharmacy</b>	<b>Eye health and vision prevention</b>
<b>10.30</b>	<b>Coffee break</b>	
<b>11.00</b>	<b>M.C. Liliana CEPOI, Institute of Microbiology, Technical University of Moldova</b>	<b>Rewriting life: genetically modified and edited organisms – between myths, realities and choices.</b>
<b>11.45</b>	<b>Prof. Nicolae CHELE, "Nicolae Testimîțanu" State University of Medicine and Pharmacy</b>	<b>Dentistry: past, present and future</b>
<b>12.30</b>	<b>Lunch Break Group Activities</b>	
<b>14.00</b>	<b>Acad. Boris BOINCEAN, "Alecru Russo" State University of Balti</b>	<b>Agriculture on the brink of change</b>
<b>14.45</b>	<b>Group activities and visits to research laboratories</b>  <b>Visit to research laboratories</b> <b>1. USMF "N.Testemițeanu" Laboratories/ Anatomy Museum;</b> <b>2. Laboratories of the Institute of Genetics and Plant Physiology / Botanical Garden, USM;</b> <b>3. UTM Laboratories;</b>	

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<b>Thursday, June 25, 2026</b>		
<b>8.30 Welcome Coffee (Participants staying at the USMF Hotel)</b>		
<b>9.00</b>	<b>Prof. Rafael CILOCI, Technical University of Moldova</b>	<b>Principles of Innovation - specifics for start ups</b>
<b>9.45</b>	<b>Dr. Ala COJOCARU, Phi-Stone GmbH, Kiel, Germany</b>	<b>Intellectual property – the transition of technology from the laboratory to the market</b>
<b>10.30</b>	<b>Coffee break</b>	
<b>11.00</b>	<b>Acad. Ion TIGHINEANU, President of the Academy of Sciences of Moldova</b>	<b>The Rise of Nanotechnologies in the 21<sup>st</sup> Century</b>
<b>11.45</b>	<b>Acad. Leonid CULIUC, Institutul de fizică aplicată, USM</b>	<b>Laserul și optica neliniară</b>
<b>12.30</b>	<b>Lunch Break Group Activities</b>	
<b>14.00</b>	<b>Prof. Kornelius NIELSH, Leibniz Institute of Solid State and Materials Research, IFW-Dresden, Germania</b>	<b>Overview of the thermoelectric devices</b>
<b>14.45</b>	<b>Acad. Horia N. TEODORESCU, Institute of Theoretical Computer Science, Romanian Academy, Iași Branch</b>	<b>Artificial Intelligence and Human Learning: Current Advantages, Dangers, and Limitations</b>
<b>15.30</b>	<b>Coffee break</b>	
<b>16.00 (Online)</b>	<b>Prof. Xiao-Yu YANG, Wuhan University of Technology, China</b>	<b>Art, Mathematics, and Science: From Nature to Materials Design</b>
<b>16.45</b>	<b>Group Activities</b>	

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<b>Friday, June 26, 2026</b>		
<b>8.30 Welcome Coffee (Participants staying at the USMF Hotel)</b>		
<b>9.00</b>	<b>Prof. Jan de MAERE, Laboratory of Neurophysiology and Movement Biomechanics, Universite Libre de Bruxelles</b>	<b>Will the evolution of AI be able to create artificial consciousness?</b>
<b>9.45</b>	<b>Acad. Alexandru STRATAN, Rector of the Academy of Economic Studies of Moldova</b>	<b>Financial education and the formation of a generation of responsible young people</b>
<b>10.20</b>	<b>Coffee break</b>	
<b>11.00</b>	<b>Participants presentations</b>	
<b>12.00</b>	<b>Lunch</b>	
<b>13.00 (Online)</b>	<b>Prof. Dr Sierd CLOETINGH Utrecht University Distinguished Professor Former President Academia Europaea; Former President European Association for Cooperation in Science and Technology (COST) Former Vice-President European Research Council (ERC)</b>	<b>System Earth and its societal impact on environment and the energy transition</b>
<b>13.45</b>	<b>Handing out certificates and closing the Summer School</b>	