

13-14 JANUARY 2026

THE DAVID INTERCONTINENTAL HOTEL, TEL-AVIV, ISRAEL

THE 26<sup>TH</sup> ANNUAL MEETING  
OF THE ISRAEL ANALYTICAL CHEMISTRY SOCIETY

## Day 1 – 13 January 2026



Registration  
for Israeli participants



Registration  
for non-Israeli participants



Group  
registration

08:00 – 17:00	Registration		
09:00 – 09:05	Opening <b>Bianca Avramovitch</b> , Chairperson of Isranalytica 2026 		
09:05 - 09:45  Plenary Session		<p><b>Next Generation of Diagnostic Tools for the Point-of-Care, Exploiting Advancements in Molecular Biology, Biosensors and Nanotechnology</b>  <b>Prof. Electra Gizeli</b>  <i>University of Crete and Institute of Molecular Biology and Biotechnology (IMBB), Foundation for Research and Technology-Hellas (FORTH), Crete</i>                        Chair: <b>Raz Jelinek</b></p>	
09:45 – 10:10 VIP-talk		<p><b>Dr. Ron Tomer</b>  <i>President of the Manufacturers Association of Israel</i>  </p>	
10:10 - 10:30		<p><b>Excellence Award</b>                      in Memory of Prof. Eli Grushka</p>	
10:30 - 10:50	 Coffee Break		
	Hall A	Hall B	Hall C
	Session A	Session B	Session C
	MS	Regulatory Driven Advances in Analytical Chemistry	Artificial Intelligence in Analytical Chemistry
	Chair: <b>Aviv Amirav</b>	Chair: <b>Arina Ceausu</b>	Chair: <b>Yousif Ayoub</b>
10:50 - 11:20  Keynote	<p><b><u>Dramatically Improved Hydrocarbons Analysis Using GC-MS with Cold EI</u></b>  <b>Aviv Amirav</b>  <i>Tel Aviv University, Israel</i>  </p>	<p><b><u>Analytical Strategies in API Development: Driving Innovation, Embracing Digitalization, Navigating Regulation</u></b>  <b>Arina Ceausu</b>  <i>TAPI, Tel Aviv, Israel</i>  </p>	<p><b><u>AI Use in Pharmaceutical Quality and Manufacturing</u></b>  <b>Inna Ben -- Anat</b>  <i>Sanofi, Philadelphia, US</i>  </p>
11:20 - 11:40	<p><b><u>Olive Oil Quality Analysis and The Detection of Fakes by GC-MS with Cold EI</u></b></p>	<p><b><u>Oral Drug Products Administered Via Enteral Feeding Tube. In Vitro Testing</u></b>  <b>Tomer Ram</b></p>	<p><b>Artificial Intelligence is Moving Beyond Hype in the Pharmaceutical Sector, Becoming a Practical Enabler of Research and Development</b></p>

	<b>Benny Neumark</b> <i>Tel-Aviv University, Israel</i> 	<i>Dexcel Pharma Technologies Ltd. , Jerusalem , ISRAEL</i> 	<b>Gali Dolev Golan</b> <i>Pfizer, Israel</i> 
11:40 - 12:00	<u>Recent Advances and Applications in Native MS: From Soluble Proteins to Native Membrane Environments</u> <b>Dror Chorev</b> <i>C.T.M. Technologies and Materials Ltd. , Israel</i> 	<u>Seeing the Unseen: Complete Analytical Control of Hidden Isomers in GLP-1 Peptides</u> <b>Alexandra Kompaniets</b> <i>TAPI, Netanya, Israel</i> 	<u>Analytical Characterization – AI in Analytical Chemistry : Transforming Data into Insight</u> <b>Andreja Vukoja</b> <i>TEVA, Zagreb, Croatia</i> 
12:00 - 12:20	<u>2D-LC-MS Methods for Enhanced Separation and In-depth Characterization of Protein Variants in Monoclonal IgGs</u> <b>Daniel Saidenberg</b> <i>Teva, Israel</i> 	<u>Bridging the Gap: Harmonizing Laser Diffraction PSD with Real-Life Results and Regulatory Requirements</u> <b>Yousif Ayoub</b> <i>Teva, Israel</i> 	<u>AI in Analytical Chemistry: Why Data Quality Is the Game-Changer</u> <b>Ayelet Ofarim</b> <i>Arad-Ophir/CAS, Ramat Hasharon, Israel</i> 
12:20 – 12:40	<u>Identifying Oligonucleotide Impurities and Metabolites with High-Resolution Mass Spectrometry</u> <b>Stephen Lock</b> <i>SCIEX, Marlborough, US</i> 	<u>Peptide Sequence Identification and Confirmation by Advanced Analytical Techniques</u> <b>Shlomy Arava</b> <i>TAPI, Israel</i> 	<u>Machine Learning-based Identification of Petroleum Distillates and Gasoline Traces using Measured and Synthetic GC Spectra from Collected Samples</u> <b>Omer Kaspi</b> <i>Afeka College of Engineering, Rosh Haain, Israel</i> 
12:40 – 13:40	 <b>Lunch Break and Poster Presentations</b>		<b>High School students' event</b> Chair: Lilach Yishai Aviram
13:40 - 14:20 Plenary Session 	 <u>Seeing Cancer in Motion: Intravital Optical Imaging as a Quantitative Analytical Platform for Cancer Biology and Drug Discovery</u> <b>Prof. Ralph DaCosta</b> <i>Princess Margaret Cancer Center, University Health Network, Toronto, Canada</i>  Chair: Orna Dreazen		
14:20- 14:50	 <b>Coffee Break</b>		
	<b>Hall A</b>	<b>Hall B</b>	<b>Hall C</b>
	<b>Session E</b>	<b>Session F</b>	<b>Session G</b>
	<b>Forensic and Homeland Security Analysis</b>	<b>Nanomaterials</b>	<b>Meet the Regulator:</b>
	Chair: <b>Michal Elad</b>	Chair: <b>Daniel Mandler</b>	Chair: <b>Debby Bartfeld</b>
14:50 - 15:20 Keynote 	<u>A Likelihood-Ratio Framework for Evaluating Results of Forensic Gunshot- Residue Analysis</u> <b>Osnat Israelsohn Azulay</b> <i>Israel Police, Jerusalem, Israel</i> 	<u>Targeting the Viral Signature Through gFET: Ultrasensitive Monitoring of dsRNA, a Universal Viral Biomarker</u> <b>Sabine SZUNERITS</b> <i>Danube Private University, Wiener Neustadt, Austria</i> 	<u>Meet the regulator: Challenges in reference standard qualification for relative potency assays</u> <b>Charlotte Mitz</b> <i>Biotherapeutics Quality Division # 4, CBBB, BRDD, HPFB Health, Canada</i> 
15:20 - 15:40	<u>A Novel Method for Extracting Forensic Evidence from Aluminum Foil that has been Used as Part of a 'Foil Impressioning' Kit, Using Toolmarks Comparison Techniques</u> <b>Ayal Aronson</b> <i>Israeli Police , Jerusalem , Israel</i> 	<u>Electrochemical Sensor for Orthogonal Analysis of Neurochemicals</u> <b>Noha Shalabny</b> <i>Ben-Gurion University, Beer-Sheva, Israel</i> 	<b>Panel:</b> <b>Tim Schofield</b> <i>Retired Expert in CMC Statistics and Regulatory Science, US</i>  <b>Mati Morag</b> <i>MediWound Ltd., Israel</i> 
			Questions & Answers
			<b>Session H</b>
15:40 - 16:00	<u>Identification of Polymers Damaged by Service Fluids</u> <b>Adva Cohen</b> <i>IDF, Gedera, Israel</i> 	<u>Disentangling Interfacial and Alloying Effects in Bimetallic Catalysts via Surface Organometallic Chemistry on Metal</u> <b>Shahar Dery</b>	<b>Characterization of Biomolecules</b> Chair: Debby Bartfeld

		Bar-Ilan University, Ramat-Gan, Israel 	
16:00 - 16:20	<b>Uncovering RECOVER</b> <b>Dorit Hadzayev</b> <i>Israel police, Jerusalem, Israel</i> 	<b>Carbon Dot / Thermo-Responsive Polymer Capacitive Wavelength-Specific Photodetector</b> <b>Raz Jelinek</b> <i>Ben Gurion University, Beer Sheva, Israel</i> 	<b>Keynote: (30 minutes)</b> <b>Techniques for the Comprehensive Characterization of Biopharmaceuticals</b> <b>Richard Easton</b> <i>BioPharmaSpec, Jersey, UK</i> 
16:20 - 16:40	<b>The Griess Test for Nitrite Ions – New Forensic Approaches</b> <b>Ophir Levy</b> <i>Israel Police, Jerusalem, Israel</i> 	<b>How can the Sensitivity of Sensors be Significantly Increased?</b> <b>Daniel Mandler</b> <i>Hebrew University of Jerusalem, Jerusalem, Israel</i> 	<b>Cryo-EM – A Rapidly Evolving Tool</b> <b>Ran Zalk</b> <i>Ben-Gurion University of the Negev, Beer Sheva, Israel</i> 
16:40 - 17:00			<b>Beyond Dye-Based Encapsulation Assays: Comprehensive Physicochemical Characterization Strategies for LNP-Based Therapeutics</b> <b>Mateusz Imiolek</b> <i>Waters, MA, USA</i> 
17:00 - 18:30	<b>Happy Hour</b> 3d-Bioprinted Cancer Models for Personalized Therapy, Drug Development and Target Discovery Prof. Ronit Satchi-Fainaro		

