





























DAY 2
January 22, 2020










08:00 – 09:10	Registration			
09:10 – 09:20	 Musical Interlude			
09:20 - 10:10 Plenary Session	 <p><u>THE NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES): BIOMONITORING EXPERIENCE AND RESULTS</u> DR. Antonia M. Calafat <i>Chief, Organic Analytical Toxicology Branch, Division of Laboratory Sciences, National Center for Environmental Health, Centers for Disease Control and Prevention Atlanta, CDC, USA</i></p>  <p>Chair: Orna Dreazen</p>			
10:10 - 10:40	 Coffee Break			
10:40 - 12:30	Hall A	Hall B	Hall C	Hall D
	Session I	Session J	Session K	Session L
	Meet the Regulator	Spectroscopy & Instrumentation A memorial session to Prof. Eli Grushka	Pharmaceutical Analysis	Posters Oral Presentations (Short Oral Presentations)


	Chair: Bianca Avramovitch	Chair: Israel Schechter	Chair: Raphy Bar	Chair: Aviv Amirav
10:40 - 11:10 Keynote Lectures	<p>ANALYTICAL CHEMISTRY AND BIOMONITORING USES TO INFORM ENVIRONMENTAL PUBLIC HEALTH ACTIONS (40 minutes) Antonia M. Calafat Chief, Organic Analytical Toxicology Branch, Division of Laboratory Sciences, National Center for Environmental Health, Centers for Disease Control and Prevention Atlanta, USA </p>	<p>POLARIZED RAMAN SPECTROSCOPY, FLUORESCENCE BACKGROUND CALIBRATION AND RECONSTRUCTION OF AN ANCIENT MANUFACTURING PRACTICE OF PARCHMENT MANUSCRIPTS: THE CASE OF THE TEMPLE SCROLL Roman Schütz Weizmann Institute of Science, Israel  Max-Planck-Institute for Colloids and Interfaces, Germany </p>	<p>A NEW APPROACH IN EXTENDED RELEASE DRUG PRODUCTS WHEN FACING WITH ABNORMAL DISSOLUTION PROFILE Bar Edelshtein Teva Pharmaceuticals Ltd., Israel </p>	<p>10:40-10:46 <u>WE ALL INHALE AND NOT ONLY ASTHMATICS: RECYCLING INHALERS</u> Tagrid Morad Masaryk University, Israel</p> <p>10:46-11:02 <u>BLOOD LIPIDS ANALYSIS FOR MEDICAL DIAGNOSTICS WITH A BLOODPROBE AND GC-MS WITH COLD EI</u> Benny Neumark Tel Aviv University, Israel</p>
	<p>ENVIRONMENT AND HEALTH FUND: SUPPORTING HUMAN BIOMONITORING IN ISRAEL (10 minutes) Ruth Ostrin Environment and Health Fund, Israel </p>	<p>MOLECULAR EMISSION IN LASER INDUCED PLASMA Michael Gaft Ariel University, Israel </p>	<p>METHOD "GILDING" FOR CRITICAL IMPURITIES - ASSESSMENT OF METHOD PERFORMANCE CHARACTERISTICS Miri Salem Teva Pharmaceuticals Ltd., Israel </p>	<p>11:02-11:08 <u>CHIRAL ANALYSIS OF ORANGNOPHOSPHORUS NERVE AGENTS BY FORMATION OF DIASTEREOMERS FOLLOWED BY LC-MSMS ANALYSIS</u> Dan Loewenthal IIBR, Israel</p> <p>11:08- 11:14 <u>ANALYSIS OF ORGANIC ACIDS AND OTHER ANIONS IN LIVER AND PLASMA BY ION CHROMATOGRAPHY (IC) COUPLED TO ION-CONDUCTIVITY DETECTOR (CD) AND HIGH-RESOLUTION MASS SPECTROMETER (HRMS)</u> Julius Ben Ari The Hebrew University of Jerusalem, Israel</p>
11:30 – 11:50	<p>EXPOSURE TO ENVIRONMENTAL CONTAMINANTS IN PREGNANCY - THE ENVIRONMENT, MOTHER, AND CHILD STUDY (20 minutes) Ronit Calderon-Margalit Hadassah-Hebrew University Braun School of Public Health,</p>	<p>RECENT DEVELOPMENTS IN MULTI-PHOTON ELECTRON EXTRACTION SPECTROSCOPY (MEES) Danny Fisher</p>	<p>DETERMINATION OF CLIDINIUM BROMIDE RELATED COMPOUND A BY MIXED MODE HPLC USING CORONA CAD DETECTOR - A CASE STUDY Orie Rubin Teva Pharmaceutical Industries</p>	<p>11:14-11:20 <u>DEVELOPING ANALYTICAL CAPABILITIES FOR HUMAN BIOMONITORING IN ISRAEL: CURRENT ISSUES AND FUTURE PLANS</u> Luda Groisman Ministry of Health, Israel</p>

	<p>Israel</p> 	<p>Technion - Israel Institute of Technology, Israel</p> 	<p>Ltd., Israel</p> 	
<p>11:50 - 12:10</p>	<p><u>FRUSTRATIONS OF AN ANALYTICAL CHEMIST: ASSURING SAFE DRINKING WATER BY ADVANCED ANALYTICAL CHEMISTRY</u> (20 minutes) Ovadia Lev The Hebrew University of Jerusalem, Israel</p> 	<p><u>IN SITU AND REAL TIME RAMAN COMBINED WITH CHEMOMETRIC MODELLING: A ROBUST TOOL FOR UPSTREAM BIOPROCESSING CONTROL</u> Alexander Pitters Kaiser Optical Systems SARL , France</p> 	<p><u>NICOTINE PECTINATE SALT FORMULATION FOR COLON-TARGETED DELIVERY: A CONTROLLED TIME-DELAYED DELIVERY SYSTEM FOR NICOTINE</u> Deborah Shalev Azrieli College of Engineering Jerusalem, Israel</p> 	<p>11:20-11:26 <u>ANALYSIS OF ANTIBODY DRUG CONJUGATES (ADCS) BY IMAGED CAPILLARY ISOELECTRIC FOCUSING (ICIEF) AND 458 NM FLUORESCENCE DETECTION</u> Udo Burger FAS, Bio-Techne, Germany</p> <p>11:26-11:32 <u>DOUBLY CHARGED IONS IN MASS SPECTROMETRY WITH COLD EI</u> Ksenia J. Margolin-Eren Tel Aviv University, Israel</p>
<p>12:10 – 12:30</p>		<p><u>BIDIRECTIONAL FLOW FILTER: A NOVEL DIFFUSION-BASED SEPARATION</u> Vesna Bacheva Technion – Israel Institute of Technology, Israel</p>  <p>IBM Research - Zurich, Switzerland</p> 	<p><u>DEVELOPMENT OF ANALYTICAL CAPABILITIES TO MEASURE TRACE METAL ELEMENTS IN URINE AND BLOOD FOR HUMAN BIOMONITORING USING ICP-MS TECHNIQUE</u> Yamit Naor National Public Health Laboratory, Ministry of Health, Israel</p> 	<p>11:32-11:38 <u>IDENTIFICATION OF NATURAL ELECTRON MEDIATORS SECRETED BY CYANOBACTERIA</u> Yaniv Shlosberg Technion – Israel Institute of Technology, Israel</p> <p>11:38-11:44 <u>TWO IN ONE: ICP METALS DATA AND PARTICLE SIZE MEASURED IN ONE SHOT FOR LUBRICANT ANALYSIS</u> Helmut Ernstberger PerkinElmer, Italy</p> <p>11:50 Poster Session Meetings with the presenters in the posters area</p>
<p>12:30 - 14:00</p>	 <p>Lunch Break and Poster Presentations</p>			
<p>13:45 - 14:00</p>	<p>Annual Meeting of the IACS</p>			

14:00 - 14:10	 Prof. Eli Grushka Awards Ceremony & Best Poster Award
14:10 - 14:15	 Musical Interlude
14:15 - 15:05 Plenary Session	 <p><u>NATIVE MASS SPECTROMETRY AND SURFACE-INDUCED DISSOCIATION: CHARACTERIZATION OF PROTEIN AND NUCLEOPROTEIN COMPLEXES</u> Prof. Vicki Wysocki <i>Professor and Ohio Eminent Scholar, Department of Chemistry and Biochemistry, Director, Campus Chemical Instrument Center, USA</i></p>  <p>Chair: Shai Dagan</p>
15:05 - 15:30	 Coffee Break

15:30 - 16:50	Hall A	Hall B	HALL C	Hall D
	Session M	Session N	Session o	Session P
	Mass Spectrometry Lab Managers Meeting	Challenging Analyses in Nutrition, Medicine & the Environment	Environmental Health Analytics	General Interest and Instrumentation
	Chair: Noam Tal	Chair: Raz Jelinek	Chair: Orna Dreazen	Chair: Igal Gozlan

<p>15:30 - 15:50</p>	<p><u>QUANTITATIVE TARGETED ANALYSIS WITH TRIPLE QUADRUPLE</u> (10 minutes) Alexander Brandis <i>Weizmann institute of science, Israel</i></p> <p><u>ADVANCED METHODS AND SAMPLE PREPARATION IN MALDI</u> (10 minutes) Mark Karpasas <i>Ben-Gurion University, Israel</i></p>	<p><u>QUANTIFICATION OF POST-TRANSLATIONAL MODIFICATIONS IN CORRELATION TO TOTAL PROTEIN CONCENTRATION IS VERY EASY WITH SIMPLE WESTERN TECHNOLOGY</u> Udo Burger <i>Bio-Techne, Germany</i> </p>	<p><u>USING HUMAN BIOMONITORING TO IMPACT ENVIRONMENTAL HEALTH POLICY</u> Tamar Berman <i>Ministry of Health, Israel</i> </p>	<p><u>LABORATORIES ADAPTATION TO HPAPI HANDLING</u> Yossi Shapira <i>Teva Pharmaceuticals Ltd., Israel</i> </p>
<p>15:50 - 16:10</p>	<p><u>TGA-GCMS – A POWERFUL ANALYSIS FOR HYBRID COATING POLYMERS</u> (10 minutes) Michal Weitman <i>Bar-Ilan University, Israel</i></p> <p><u>STERILIZED MEDICAL DEVICES – WHAT IS REQUIRED AND WHY REGARDING CHEMICAL TESTS?</u> (10 minutes) Revital Rapoport <i>Aminolab Laboratories LTD., Israel</i></p>	<p><u>SINGLE PARTICLE ICP-MS ALLOWS NEW INSIGHTS TRACKING NANOPARTICLE FATE IN ENVIRONMENTAL MEDIA</u> Helmut Ernstberger <i>PerkinElmer, Italy</i> </p>	<p><u>ENVIRONMENTAL EXPOSURES OF FIREFIGHTERS IN ISRAEL</u> Elkana Khon, <i>Shamir (Assaf Harofeh) Medical Center</i> <i>Sackler School of Medicine, Tel-Aviv University, Israel</i> </p>	<p><u>SELF CLEANING OF HAZARDOUS ORGANIC MATERIALS BY TiO2 NANOPARTICLES DERIVATIVES</u> Avraham Dayan <i>Tel Aviv University, Israel</i> </p>
<p>16:10- 16:30</p>	<p><u>IDENTIFICATION OF BLOOD BIOMARKERS FOR THE PREDICTION OF CORONARY PLAQUE STATUS AS OBSERVED BY CARDIAC CT</u> (10 minutes) Soliman Khatib <i>MIGAL-Galilee Research Institute & Tel-Hai College ,Israel</i></p>	<p><u>THE CHALLENGE OF PRODUCING RM WITH VETERINARY DRUG RESIDUES</u> Alfredo M. Montes Ninio <i>Microbioticos, Brazil</i> </p>	<p><u>PHARMACOKINETICS AND PHARMACODYNAMICS OF PSYCHOACTIVE DRUGS AND AGRICULTURAL CROPS</u> Tomer Malchi <i>Faculty of agriculture, Hebrew university, Israel</i> </p>	<p><u>CRYSTAL STRUCTURES AND SENSITIVITY PROPERTIES OF THE ENERGETIC COORDINATION COMPOUNDS BASED ON LIGANDS WITH HIGH NITROGEN CONTENT</u> Jian-Guo Zhang <i>Beijing Institute of Technology, China</i> </p>
<p>16:30– 16:50</p>	<p><u>APPROACHES FOR AGRICULTURAL TESTING</u> (10 minutes) Oded Yaffe <i>Shelef Laboratory, Israel</i></p>	<p><u>WHAT BETWEEN INFERTILE PATIENTS AND CHEMISTRY?</u> Ofra Balaban <i>CHEN - Patient Fertility Association, Israel</i></p>	<p><u>CONTINUOUS CHIMNEY MONITORING SYSTEMS - REQUIREMENTS AND SOLUTIONS IN ACCORDANCE WITH THE MINISTRY OF ENVIRONMENTAL</u></p>	<p><u>APPLYING INNOVATIVE THINKING TO ANALYTICAL SERVICES</u> Ramesh Jagadeesan</p>



Meeting of Lab Managers
(30 minutes)



**PROTECTION'S CONTINUOUS
MONITORING PROCEDURE**

Yuval Eyal

Contel Technologies Ltd, Israel



Recipharm, India

