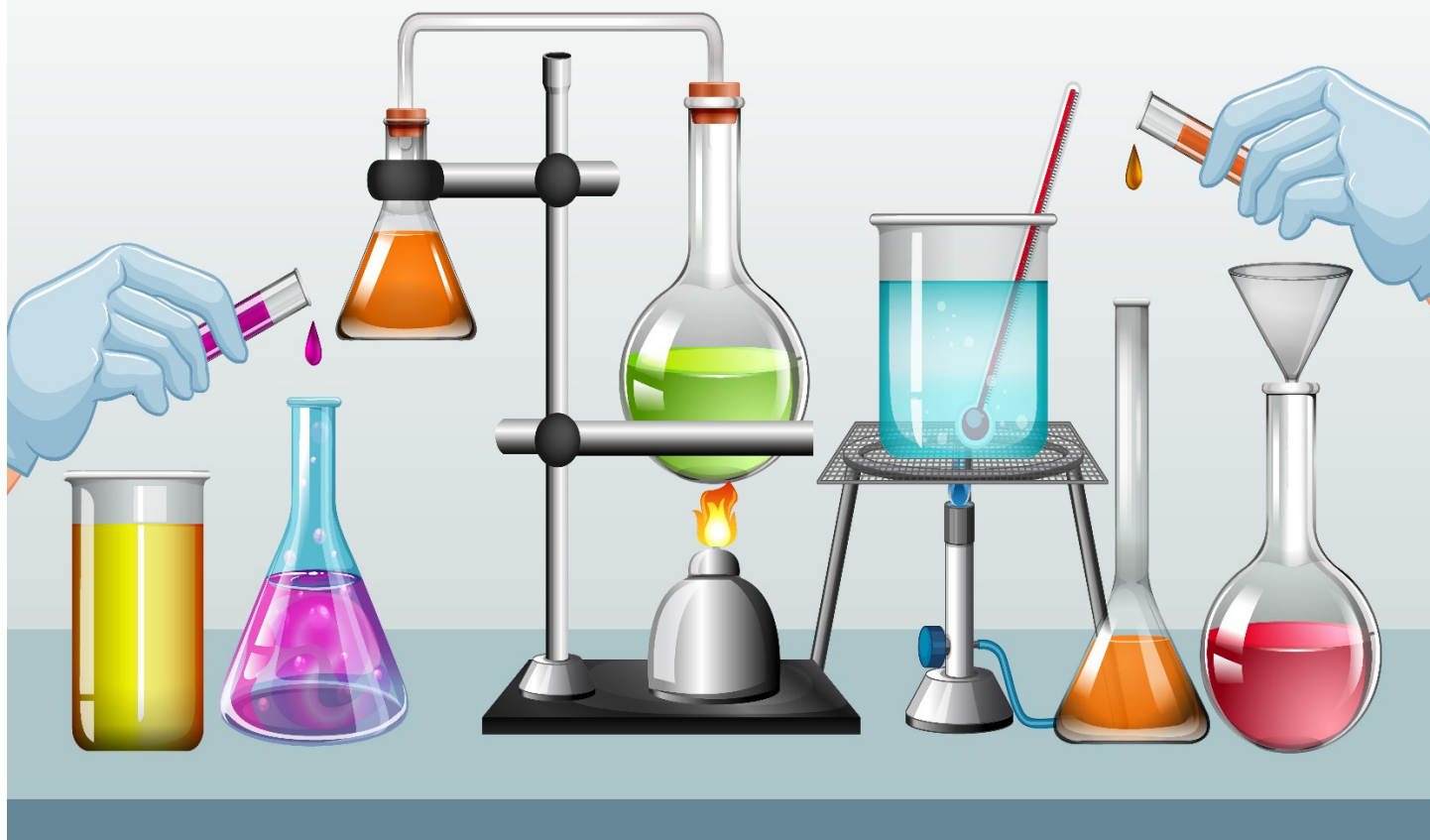


PRE-PRINT PROGRAM

IV International Conference on

Analytical & Bioanalytical Methods

October 17-18, 2022 | Virtual Zoom Meeting
Meeting Time Zone: Eastern Time (US & Canada)



Program Last Updated on: **October 04, 2022**

Last minute changes due to functional, private, or organizational needs can be necessary. The event organizer accepts no liability for any additional costs caused by a change of program. **Program is subject to change**

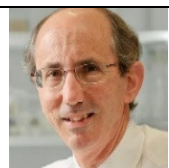
Day 1 | October 17, 2022

08:50-09:00 Opening Ceremony

Plenary Presentation | (35+5) Minutes

Moderator: **To be Announced**

09:00-09:40



MA'AT Analysis: Applications to Determine Conformational Equilibria and Dynamics of Molecules in Solution

Anthony S Serianni, University of Notre Dame, Notre Dame, IN

Keynote Presentation | (25+5) Minutes

09:40-10:10



Analysis of Drug Interactions with Humic Acid using Entrapment-Based Microcolumns and High-Performance Affinity Chromatography

David S Hage, University of Nebraska-Lincoln, Lincoln, NE

10:10-10:20

Break

Oral Presentations | (18+2 Minutes)

Analysis: Bio-Analysis, Pharmaceutical, Biomedical, Forensic & Food

Chair: **To be Announced**

10:20-10:40

Post-Deconvolution MS/MS Spectra Extraction with Data-Independent Acquisition for Comprehensive Profiling of Urinary Conjugated Metabolome
Pao-Chi Liao, National Cheng Kung University, Taiwan

10:40-11:00

Analysing the Physicochemical Properties of Ultra-Sonicated Tapioca Starch to use as a Potential Pharmaceutical Binder
Chathuni Jayathilake, University of Sri Jayewardenepura, Sri Lanka

11:00-11:20

Analytical Approaches for Chemo/ Bio-Sensing: Surface and Electrochemistry Perspective
Parthasarathy Srinivasan, Amrita Vishwa Vidyapeetham, India

11:20-11:40

Development and Application of Electrochemical Sensors for the Detection of the SARS-CoV-2 Antigen and Antibody Proteins
Lokman Liv, The Scientific and Technological Research Council of Turkey, Turkey

11:40-12:00	Magnetic Levitation-Based Cell Response Analysis Seren Kecili , Izmir Institute of Technology, Turkey
12:00-12:20	A Paper-Based Chemiluminescent Immunoassay on Magnetic Microbeads Format for Food Allergen Traces Detection Donato Calabria , University of Bologna, Italy
12:20-12:40	Application of Metallomics and Metabolomics to Environmental Metal Toxicity Assessment Jose-Luis Gomez-Ariza , University of Huelva, Spain
12:40-13:00	Simple and Cheap Potentiometric Sensor for Chloride Monitoring in Water Samples Cecylia Wardak , Maria Curie-Skłodowska University in Lublin, Poland
13:00-13:30	Lunch Break

Chair: **To be Announced**

13:30-13:50	Voltammetric Analysis of Δ 9-Tetrahydrocannabinol and Cannabidiol in Seized Samples using Disposable Electrodes Chemically Modified with Graphene Oxide Marcelo Firmino de Oliveira , University of São Paulo, Brazil
13:50-14:10	Mapping Differential Intracellular Trafficking of Quantum Dot Cargo with Machine Learning Oleg Kovtun , Vanderbilt University, Nashville, TN
14:10-14:30	Challenges in Bioanalysis of INCB000928 in Human Saliva and Dialysate: Non-Specific Binding, Inhomogeneous Concentration, and Surrogate Matrices Zhiyin Xun , Incyte Research Institute, Wilmington, DE
14:30-14:40	Break

Chromatographic & Spectroscopic Methods

Chair: **To be Announced**



14:40-15:00	Portable and Laboratory Analytical Photometric and Fluorometric Systems Based on the use of 3d Printed Devices Victor Cerda , University of the Balearic Islands, Spain
15:00-15:20	Qualitative and Quantitative Analysis of Organic Matter and Dissolved Organic Matter in Agricultural Soils Amended with Biochar Alessandro Girolamo Rombolà , University of Bologna, Italy
15:20-15:40	Predictive In Vitro Sensing Tools Exploiting 3d Spherical Bioluminescence Microtissues Maria Maddalena Calabretta , Alma Mater University of Bologna, Italy
15:40-16:00	Influence of Ionic Liquids as Mobile Phase Additives on the Behavior of Selected Cytostatic Drugs on Alkyl and Phenyl Based Stationary Phases in

	Reversed-Phase Liquid Chromatography Alina Plenis , Medical University of Gdansk, Poland
16:00-16:20	Green Sample Preparation for the Analysis of High Carbon Content Matrices Erico Marlon Moraes Flores , Federal University of Santa Maria, Brazil
16:20-16:40	Real-time Raman Spectroscopy for Endoscopy Lung Cancer Detection Haishan Zeng , University of British Columbia, Canada
16:40-17:00	Automated Machine Learning Applied in Analytical Chemistry Aderval S Luna , Rio de Janeiro State University, Brazil
17:00-17:20	Quantitative Analysis of Biological Compounds using a Pillar Array Column Makoto Tsunoda , The University of Tokyo, Japan

Day 2 | October 18, 2022

Keynote Presentations | (25+5) Minutes

Moderator: **To be Announced**

09:00-09:30		An Automated Multicycle Immunoaffinity Enrichment Approach Developed for Sensitive Mouse IgG1 Antibody Drug Analysis Linlin Dong , Takeda Pharmaceuticals, Cambridge, MA
09:30-10:00		Quantitative immuno-MRM of the PD-1/PD-L1 axis predicts survival in non-small cell lung cancer (NSCLC) Christoph Borchers , McGill University, Canada
10:00-10:15	Break	

Oral Presentations | (18+2 Minutes)

Analytical and Bioanalytical Chemistry Applications, Separation Techniques | Voltammetry & Electrophoresis

Chair: **To be Announced**

10:15-10:35	Targeting Out of Range Biomolecules: Chemical Labeling Strategies for Qualitative and Quantitative MS-based Detection Cantel Sonia , University of Montpellier, France
10:35-10:55	A Highly Sensitive and Simple-to-use 3D Protein Detection Platform Huiyan Li , University of Guelph, Canada
10:55-11:15	The Crosstalk, Lipidomics and Redox Proteomics, for Understanding the Role of Dietary Lipids in Brain Isabel Medina , Institute of Marine Research, Spain
11:15-11:35	Stroboscopic Flashes on the Netherworld Pier Giorgio Righetti , Polytechnic University of Milan, Italy
11:35-11:55	Pyrolytic Graphite Electrode in Nucleic Acid Electroanalysis Ales Danhel , Czech Academy of Sciences, Czech Republic

11:55-12:15	Comparison of Chiral Separation Performance of sub-2 mm and Conventional Polysaccharide-Based Chiral Columns Brian He , Bristol Myers Squibb Company, New Brunswick, NJ
12:15:12:35	Electrochemical Monitoring of Biomarkers using Nanochannels Alfredo de la Escosura-Muñiz , University of Oviedo, Spain
12:35-13:00	Break
13:00-13:20	Separation of Urolithin Glucuronides in Biological Samples by using Supercritical Fluid Chromatography Ana M Ares , University of Valladolid, Spain
13:20-13:40	A Preconcentration Method Using Magnetic Dispersive Solid-Phase Microextraction with Go- Γ fe ₂ o ₃ Nanoparticles for the Determination of Se in Fish Samples by FIA-HG-AAS Jefferson S de Gois , Rio de Janeiro State University, Brazil
13:40-14:00	Enhancement of Sensitivity and Quantification Quality in the LC MS/MS Measurement of Large Biomolecules with Sum of MRM (SMRM) Liang Tang , SRI International, Menlo Park, CA
14:00-14:20	Responsive Probe for Luminescence Bioanalysis and Imaging Run Zhang , The University of Queensland, Australia

Titles to be Announced

Presentation Slots are Available!!!!