

*International Conference on*  
**Analytical and  
Bioanalytical Methods**

**April 29-May 01, 2019**

**Venue**

**Crowne Plaza Hotel San Francisco Airport**

1177 Airport Blvd, Burlingame, CA



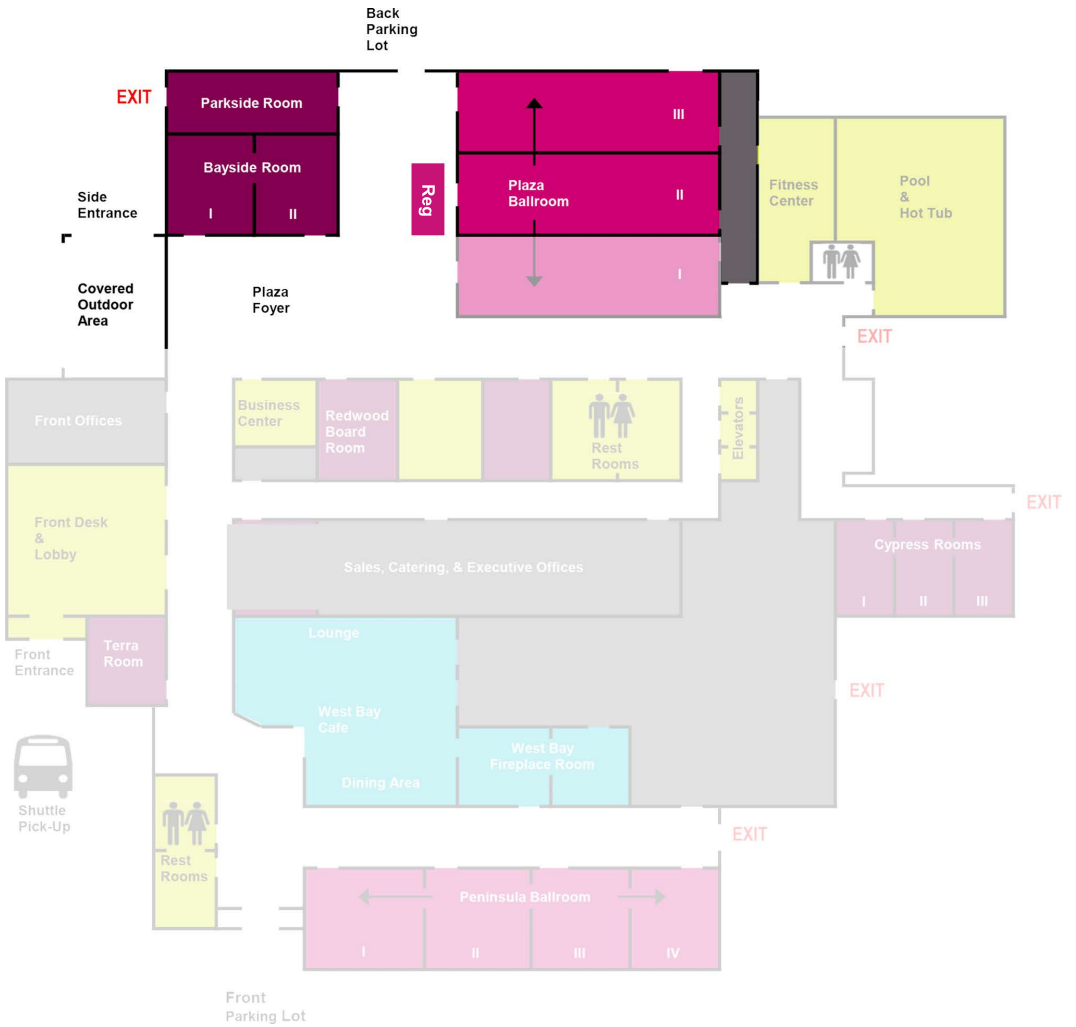
**Whova**

We are excited to use Whova as our event platform.  
Attendees please download Whova event app.



The event invitation code is: **anaai**

# Conference Floor Plan



09:00 - 09:20 Registrations

09:20-09:30 Introduction

---

**Keynote Presentations****@ PLAZA III ROOM**

---

09:30-10:15 **Exploiting the Advantages of Type-C Silica for Analytical Separations of Challenging Samples**

Joseph J. Pesek, San Jose State University, San Jose, CA

10:15-11:00 **Prospects of Monolithic Columns for LC in the Era of Sub 2 Micrometer Particles**

Frantisek Svec, Charles University, Czech Republic

---

11:00-11:20 **Coffee Break**

**@ FOYER AREA**

---

**Scientific Session-I****@ PLAZA III ROOM****Analytical & Bioanalytical Methods and Applications | Chemical and Biochemical Sensors**

**Chairs:** James Michels, Nalco Water, Naperville, IL  
Toru Kurabayashi, Akita University, Japan

11:20-11:45 **ADC Plasma Stability— Investigation of an Intricate Case**

Linlin Dong, Takeda Pharmaceuticals International, Cambridge, MA

11:45-12:10 **Development of a Classification Scheme and Sexual Lubricant Database for the Forensic Analysis of Lubricant Evidence**

Mark Maric, University of Central Florida, Orlando, FL

12:10-12:35 **Mass Spectrometry for the Characterization of Industrially Important Surfactants**

James Michels, Nalco Water, Naperville, IL

---

12:35-13:35 **Lunch Break**

**@ PLAZA II ROOM**

---

13:35-14:00 **Multiplexed Quantification of Protease Activity Using Vertically Aligned Carbon Nanofiber Array Electrodes**

Morgan J. Anderson, Kansas State University, Manhattan, KS

14:00-14:25 **Electromagnetic-Wave Reflection Spectroscopy on Biological Solutions Using Impedance-Matched Dielectric Layer at the Solution Interface**

Toru Kurabayashi, Akita University, Japan

14:25-14:50 **Bead-Based Assay for Biomarkers by Integrating Optical Trapping with Up-Converting Luminescence Imaging**

Hongwu Tang, Wuhan University, China

14:50-15:15 **Electrochemistry-Regulated Recyclable Sers Sensor for Sensitive and Selective Detection of Tyrosinase Activity**

Da-Wei Li, East China University of Science and Technology, China

---

**15:15-15:35**

***Coffee Break***

**@ FOYER AREA**

---

15:35-16:00

**Silylation Tricks for Active Compounds Analysis by Gas Chromatography**

**Magda Caban**, University of Gdansk, Poland

16:00-16:25

**The Enhancement of Biological Analysis Using Nanosized Fluorescence Probes**

**Jin Ouyang**, Beijing Normal University, China

16:25-16:50

**Bioluminescent Immunoassay Using Genetically Engineered Multifunctional Outer Membrane Vesicles**

**Yikun Huang**, University of Connecticut, Storrs, CT

16:50-17:15

**Self-Assembled Fluorescent Nanoprobe Based on Forster Resonance Energy Transfer for Carbon Monoxide in Living Cells and Animals *via* Ligand Exchange**

**Song Wu**, Wuhan University, China

**Keynote Presentations****@ PLAZA III ROOM**

09:30-10:15 **Ir-Induced Chemistry: From Conformational Changes to Bond-Breaking Processes and Identification of Rare Chemical Species**  
Rui Fausto, University of Coimbra, Portugal

10:15-11:00 **Degradation of Chemotherapeutic Drugs Derive from the Oncology Center: The Treatment Concept**  
Dror Avisar, Tel Aviv University, Israel

11:00-11:20 *Coffee Break*

**@ FOYER AREA**

11:20-12:05 **Pharmaceutical's Degradation Products as Hidden Contaminations in the Aquatic Environment**  
Igal Gozlan, Tel Aviv University, Israel

**Scientific Session-II****@ PLAZA III ROOM****Novel Approaches to Analytical and Bioanalytical Methods | Environmental Analytical Aspects**

**Chairs:** Igal Gozlan, Tel Aviv University, Israel  
Shane Needham, Alturas Analytics, Moscow, ID

12:05-12:30 **A Comparison of Single Quadrupole Mass Detection and Diode Array Ultraviolet Detection Interfaced to Ultra-High-Performance Supercritical Chromatography for the Quantitative Analysis of Synthetic Cathinones**  
Lauriane Tremeau-Cayel, Cayman Chemical, Ann Arbor, MI

12:30-12:55 **Rapid Naked-Eye Detection of IgG Via Decomposition of H<sub>2</sub>O<sub>2</sub> via Pt-Nanoparticles**  
Farnoosh Saeedinejad, University of Connecticut, Storrs, CT

12:55-13:55 *Lunch Break*

**@ PLAZA II ROOM**

13:55-14:20 **Chemical Derivatization: A Must-Have Tool in LC-MS/MS Bioanalysis**  
Hermes Licea Perez, Glaxo Smithkline Pharmaceuticals, Collegeville, PA

14:20-14:45 **On-Flow Analysis and Single-Cell Sequencing with Deterministic Barcoding**  
Dmitry Andreyev, University of Arkansas for Medical Sciences, Little Rock, AR

14:45-15:10 **Microspray and Microflow Liquid Chromatography, the Way Forward for LC-MS Bioanalysis: Focus on Large Molecule Bioanalysis**  
Shane Needham, Alturas Analytics, Moscow, ID

15:10-15:35 **High Resolution GC-MS Base IROA Technology for Unknown Metabolites Identification**  
Yunping Qiu, Albert Einstein College of Medicine, The Bronx, NY

15:35-16:00 **Review: A Comprehensive Summary of a Decade Development of the Recombinase Polymerase Amplification**  
Jia Li, University of Freiburg, Germany

---

16:00-16:20 **Coffee Break** @ FOYER AREA

---

16:20-17:00 **Posters Session** @ BAYSIDE ROOM

- AP-01 On-Flow Analysis and Single-Cell Sequencing with Deterministic Barcoding**  
Dmitry Andreyev, University of Arkansas for Medical Sciences, Little Rock, AR
- AP-02 Turbulence-Assisted High-Throughput Liquid-Liquid Extraction in Microfluidics and Ni(OH)<sub>2</sub> Nanoparticles for Electrochemical Determination of Monoethylene Glycol Traces in Natural Gas Condensate**  
Gabriela Furlan Giordano, Brazilian Nanotechnology National Laboratory, Brazil
- AP-03 Rapid Quantifications of Active Vitamin B12 (Cobalamin) in Dietary Supplements**  
Yuhao Yin, Eurofins Supplement Analysis Center, Petaluma, CA
- AP-04 Isolation and Characterization of Chlorophylls and Xanthophylls in Grass by High-Speed Countercurrent Chromatography**  
Marcela Elizabeth Castro-Benitez, Amazonic Institute of Scientific Research, Colombia
- AP-05 Spectral Noise-to-Signal Ratio Priority Method with Application for Visible-NIR Analysis of Whole Blood Viscosity**  
Tao Pan, Jinan University, China
- AP-06 Ferroelectric Perovskite Oxide@TiO<sub>2</sub> Nanorods Heterostructures: Preparation, Characterization and Application as Platform for Photoelectrochemical Bioanalysis**  
Peng Qu and Li-min Yu, Shangqiu Normal University, China
- AP-07 Polyelectrolyte-Induced Aggregation of Liposomes for Potential IGG Detection**  
Farnoosh Saeedinejad, University of Connecticut, Storrs, CT
- AP-08 Towards the Identification of Biomarkers for Schizophrenia and Bipolar Disorders Using FT-IR Spectroscopy**  
Gulce Ogruc-Ildiz, Istanbul Kultur University, Turkey
- AP-09 Composition Analysis of Soybean Salt-Resistant Mutants by Raman Spectroscopy and Chemometrics**  
Gulce Ogruc-Ildiz and Rui Fausto, Istanbul Kultur University, Turkey
- AP-10 Sensitive and Group-Specific Chemiluminescent Immunoassay of Sulfonamides in Milk**  
Konstantin Burkin, Mechnikov Research Institute for Vaccines and Sera, Russia

**Scientific Session-III****@ PLAZA III ROOM****Biomedical Analysis | Separation Techniques | Food Analysis**

<b>Chairs:</b>	<b>Benfang H. Ruan</b> , Zhejiang University of Technology, China <b>Pao-Chi Liao</b> , National Cheng Kung University, Taiwan	
09:00-09:25	<b>Evaluation of Physiologically Active Amine Contents in Fish Meats with Different Freshness Levels by Column-Switching High-Performance Liquid Chromatography</b> <b>Mami Ishimaru</b> , National Fisheries University, Japan	
09:25-09:50	<b>Detection of "Hidden" Drug Resistance by the Ezmtt Assay</b> <b>Benfang H. Ruan</b> , Zhejiang University of Technology, China	
09:50-10:15	<b>Sensitive Cortisol Analysis Using a Single Hair with Nanoflow UPLC- MS<sub>3</sub> Tandem Mass Spectrometry</b> <b>Pao-Chi Liao</b> , National Cheng Kung University, Taiwan	
10:15-10:40	<b>Detection of Impurities in Pharmaceuticals by Terahertz Laser Spectrometer</b> <b>Tetsuo Sasaki</b> , Shizuoka University, Japan	
<b>10:40-11:00</b>	<b>Coffee Break</b>	<b>@ FOYER AREA</b>
11:00-11:25	<b>Genetically Engineered Multifunctional Bacterial Outer Membrane Vesicles for Bioimaging Applications</b> <b>Yikun Huang</b> , University of Connecticut, Storrs, CT	
11:25-11:50	<b>Isolation of Tocopherols and Tocotrienols as Constituents of -Oryzanol In Baby Banana Peels with Hyperpigmentation by Spiral Coil-LSRCC</b> <b>Marcela Elizabeth Castro-Benitez</b> , Amazonic Institute of Scientific Research, Colombia	
11:50-12:15	<b>High-Performance Size-Exclusion Chromatography Applied to Determine and Characterize B-Glucans in Beer Sector Using A Triple-Detector Array</b> <b>Giuseppe Perretti</b> , University of Perugia, Italy	
12:15-12:40	<b>Gravity-Assisted Distillation on a Chip: Fabrication, Characterization, and Applications</b> <b>Gabriela Furlan Giordano</b> , Brazilian Nanotechnology National Laboratory, Brazil	
<b>12:40---</b>	<b>Lunch &amp; Departures</b>	<b>@ PLAZA II ROOM</b>



**UNITED** Scientific  
Group  
A Non-profit Scientific Organization

# 8105, Rasor Blvd - Suite #112, PLANO, TX 75024, USA

**Ph:** +1-408-426-4832, +1-408-426-4833

**Toll Free:** +1-844-395-4102; Fax: +1-408-426-4869

**Email:** [organizer@analyticonconference.com](mailto:organizer@analyticonconference.com)

**Web:** <https://unitedscientificgroup.com/conferences/analyticon/>