

08:00-09:00 Registrations

## Tiburon



09:00-09:25

## Opening Ceremony

## Keynote Forum

- 9:25-9:30 **Introduction**
- 9:30-9:55 **Olivier Dapremont**  
AMPAC Fine Chemicals, USA
- 9:55-10:20 **Gerhard Kratz**  
abcr GmbH, Germany

## Track 1: Advances in Sample Preparation Techniques

## Track 2: Membrane Processes

## Track 3: High-Impact Application Fields

Session Chair: Hiroshi Uyama, Osaka University, Japan

Session Co-Chair: Kirk J Ziegler, University of Florida, USA

## Session Introduction

- 10:20-10:40 **Membrane & Other Separation Technologies and Their Application to Food Technology**  
Yongjae Lee, Food Protein R&D Center at Texas A&M University, USA
- 10:40-11:00 **MFI Zeolite Membranes for Water Desalination**  
Catia Algeri, Institute on Membrane Technology ITM-CNR, ITALY

## Group Photo

## Networking &amp; Refreshments Break: 11:00-11:15 @ Sierra-A

- 11:15-11:35 **The Role of Surfactant Structure in the Separation of Single Walled Carbon Nanotubes (SWCNTs)**  
Kirk J Ziegler, University of Florida, USA
- 11:35-11:55 **Advanced separation technologies based on polymeric membranes for clean water and clean energy**  
Neal Tai-Shung Chung, National University of Singapore, Singapore
- 11:55-12:15 **Fabrication of Porous Monolithic Materials of Reactive Polymers for Protein Purification**  
Hiroshi Uyama, Osaka University, Japan
- 12:15-12:35 **Inorganic Metallic Membranes for Gas Separation**  
Simona Liguori, Stanford University, USA
- 12:35-12:55 **Discharge times of 3.0 micron superfine powders from a circulating fluidized bed of a binary mixture**  
Mohammed W Hakami, Yanbu Industrial College, Saudi Arabia
- 12:55-13:15 **Numerical investigation of gas- solid separation by liquid layer in horizontal pipes**  
Z Mansoori, Amirkabir University of Technology, Iran

## Lunch Break: 13:15-14:15 @ Sequoia &amp; Redwood

## Track 6: Advances in Chromatography

## Track 7: Advances in Mass Spectrometry

Session Chair: Solich Petr, Charles University, Czech Republic

Session Co-Chair: Pao-Chi Liao, National Cheng Kung University, Taiwan

## Session Introduction

- 14:15-14:35 **Metabolomics approaches for bio-marker discovery for toxicant exposure of di-isononyl phthalates (DINPs) using liquid chromatography-high resolution mass spectrometry (LC-HRMS)**  
Pao-Chi Liao, National Cheng Kung University, Taiwan
- 14:35-14:55 **Evolution of mixed-mode from "mixing" silica gels to core-shell mixed-mode technology**  
Vlad Orlovsky, SIELC Technologies, USA
- 14:55-15:15 **Trends in development of stationary phases in chromatography**  
Solich Petr, Charles University, Czech Republic
- 15:15-15:35 **Advances and Applications of Supercritical Fluid Chromatography in Drug Discovery**  
Gerard Rosse, Dart NeuroScience, San Diego, CA, USA
- 15:35-15:55 **Nanoseparation-from Methodology to Application**  
Xiaoming Sun, Beijing University of Chemical Technology, China
- 15:55-16:15 **Reversible switching and memory of macromolecular helicity of a polyacetylene in the solid state and application to switchable enantio-separation in HPLC**  
Eiji Yashima, Nagoya University, Japan
- 16:15-16:35 **Wall roughness effect on particle separation rate of the turbulent gas-solid flow in inclined pipes**  
Zohreh Mansoori, Amirkabir University of Technology, Iran

## Networking &amp; Refreshments Break: 16:35-16:50 @ Sierra-A

Day 2 August 11, 2015

## Tiburon

### Keynote Forum

- 9:00-9:25 **Hiroshi Uyama**  
Osaka University, Japan
- 9:25-9:50 **Andrew Shalliker**  
University of Western Sydney, Australia

Track 4: High Performance Liquid Chromatography

Track 5: Novel Techniques

Track 8: Product Related Processes

Session Chair: **Eduard Rogatsky**, Albert Einstein College of Medicine of Yeshiva University, USA

Session Co-Chair: **Andrew Shalliker**, University of Western Sydney, Australia

Session Introduction

- 9:50-10:10 **HPLC – High Performance Liquid Chromatography**  
**Gerhard Kratz**, Global Sales Director abcr Germany
- 10:10-10:30 **10 years of evolution in UHPLC-MS chromatography: Current trends**  
**Eduard Rogatsky**, Albert Einstein College of Medicine of Yeshiva University, USA
- 10:30-10:50 **Femtosecond laser ablation of solid methane**  
**A A Zaidi**, Prince Sultan University, Saudi Arabia
- 10:50-11:10 **Advances in HPLC Purification of Peptides – Future Benefits of In-house Integration**  
**Imre Sallay**, Osaka, Japan

Networking & Refreshments Break: 11:10-11:25 @ Sierra-A

- 11:25-11:45 **Reaction flow chromatography: High efficiency post-column derivatisations**  
**Andrew Shalliker**, University of Western Sydney, Australia
- 11:45-12:05 **Magnetohydrodynamic electrophoresis: A novel fully validated method in bio/chemical analysis**  
**Ali Aboel Dahab**, King's College London, UK
- 12:05-12:25 **Two Dimensional Electrophoresis (2DE) guided purification novel technique in the isolation of bioactive proteins from complex mixtures**  
**Jaya Vejjayan**, University Malaysia Pahang, Malaysia
- 12:25-12:45 **Thin layer chromatographic analysis of capsaicin and moisture contents from three varieties of capsicum peppers**  
**Ekwere Mercy R**, University of Calabar, Nigeria
- 12:45-13:05 **Enhanced cleavage of amyloid peptides in the casein injected inflammatory brain of mice**  
**Asokan C**, Sokoto State University, Nigeria

Lunch Break: 13:05-14:05 @ Sequoia & Redwood

Workshop

Session Introduction

- 14:05-14:35 **Implementation of a continuous chromatographic process for the manufacturing of an API**  
**Olivier Dapremont**, AMPAC Fine Chemicals LLC, USA
- 14:35-15:05 **Modern techniques for enantiomeric separation: From grams to tons**  
**Joseph Barendt**, Chiral Technologies, Inc., USA
- 15:05-15:35 **Fast Centrifugal Partitioning Chromatograph for Extract Purification**  
**Rob Driscoll**, Robatel Inc., Pittsfield, MA
- 15:35-16:05 **Large scale HPLC purification of peptides: The art of using spherical silica based packing material for producing large biomolecule with high purity**  
**Marc Jacob**, Phenomenex, USA

Young Research Forum

- 16:05-16:25 **State-of-the-art manipulation of clinoptilolite crystalline structure for gas separation**  
**Afroz Farjoo**, University of Alberta, Canada

Networking & Refreshments Break 16:25-16:40 @ Sierra-A

Panel Discussion 16:40-16:50

Day 3 August 12, 2015

## Tiburon

### Keynote Forum

- 9:35-10:00 **Kirk J Ziegler**  
University of Florida, USA

Track 9: Clinical chemistry, Biomarkers and Diagnostics assays

Track 10: Complementary separation techniques

Track 11: Green Technologies, Future Challenges and Trends

Session Chair: **Juan G Santiago**, Stanford University, USA

Session Introduction

- 10:00-10:20 **Life in the shock wave: Accelerating DNA reactions with isotachopheresis**  
**Juan G Santiago**, Stanford University, USA
- 10:20-10:40 **Ultra-sensitive capillary electrophoresis for single cell analysis**  
**Takayuki Kawai**, RIKEN, Japan
- 10:40-11:00 **KuiqipicK™ and UnipicK™: Versatile instruments for single cell acquisition and complex heterogeneous tissue microdissection**  
**Stanislav L Karsten**, NeuroInDx, Inc., USA

**Networking & Refreshments Break: 11:00 -11:15 @ Sierra-A**

- 11:15-11:35 **Role of  $\alpha$ -B crystallin on serum amyloid A fibrils and effect of  $\beta$ -amyloid with systemic amyloidotic mice brain**  
**Asokan C**, Sokoto State University, Nigeria

**Video Presentations 11:35-12:35**

- 11:35-12:05 **Two-dimensional capillary electrophoresis separation and on-line tandem mass spectrometry detection of antigripal drugs and their metabolites in urine matrices**  
**Peter Mikus**, Comenius University in Bratislava, Slovakia
- 12:05-12:35 **Significance of separation and identification techniques in solving crimes, many problems, scope and suggestions in forensic field**  
**Rakhi Khanna**, Regional Forensic Science Laboratory, Ajmer, India

**Lunch Break: 12:35-13:35 @ Sequoia & Redwood**

- 13:35-13:55 **Comparative sex hormonal indices of male and female rats exposed to uppercott (mixture of organophosphate/ pyrethroid) pesticide**  
**Ekwere Mercy R**, University of Calabar, Nigeria
- 13:55-14:10 **Characteristics of fibrillar form of  $\beta$ -Amyloid peptide fractions from mice brain affected by systemic amyloidosis**  
**Asokan C**, Sokoto State University, Nigeria

**Poster Presentation 13:00 - 14:00 @ Sierra-A**

**Award Ceremony & Thanks Giving 14:00-14:20**

## Bookmark your dates

# 2<sup>nd</sup> International Conference and Expo on **Separation Techniques**

**November 03-05, 2016 Valencia, Spain**

e-mail: [separationtechniques@conferenceseries.net](mailto:separationtechniques@conferenceseries.net); [separationtechniques@omicsgroup.com](mailto:separationtechniques@omicsgroup.com)

Website: [separationtechniques.conferenceseries.com](http://separationtechniques.conferenceseries.com)

