

# 21<sup>st</sup> International Congress of Parkinson's Disease and Movement Disorders



## PROGRAM-AT-A-GLANCE

June 4–8, 2017

# VANCOUVER

British Columbia, Canada



[www.mdscongress2017.org](http://www.mdscongress2017.org)

#### Important Dates:

Preliminary Program Available January 2017  
Abstract Submission Deadline January 6, 2017  
Early Registration Deadline April 3, 2017  
Final Pre-Registration Deadline May 2, 2017



International Parkinson and  
Movement Disorder Society



## 2017 Congress Schedule-At-A-Glance

	Sunday, June 4	Monday, June 5	Tuesday, June 6	Wednesday, June 7	Thursday, June 8
7:00	Committee Meetings 7:00 - 8:00	Committee Meetings 7:00 - 8:00	Committee Meetings 7:00 - 8:00	Committee Meetings 7:00 - 8:00	Committee Meetings 7:00 - 8:00
7:30					
8:00					
8:30	Therapeutic Plenary Session 8:00 - 10:00	Plenary Session (Presidential Lectures) 8:00 - 10:00	Plenary Session 8:00 - 10:00	Plenary Session 8:00 - 9:30	Plenary Session 8:00 - 9:30
9:00					
9:30					
10:00	Regional Assemblies 10:00-11:00	Break 10:00 - 10:30	Break 10:00 - 11:00	MDS Business Meeting 10:00 - 11:00	Controversies 10:00 - 11:00
10:30					
11:00					
11:30	Therapeutic Plenary Session 11:00 - 13:00	Plenary Session 10:30 - 12:30	Plenary Session 11:00 - 12:30	Plenary Session 10:00 - 12:00 (Grand Rounds)	Blue Ribbon Highlights 11:00 - 12:00
12:00					
12:30					
13:00	Break 13:00 - 14:30	Corporate Therapeutic Symposia 12:45 - 13:45	Corporate Therapeutic Symposia 12:45 - 13:45	Break 12:00 - 12:15	Break 12:00 - 12:15
13:30					
14:00					
14:30	Therapeutic Plenary Session 14:30 - 16:30	Break/ Guided Poster Tours/ Poster Sessions 13:45 - 15:15	Break/ Guided Poster Tours/ Poster Sessions 13:45 - 15:15	Corporate Therapeutic Symposia 12:15 - 13:15	Corporate Therapeutic Symposia 12:15 - 13:15
15:00					
15:30					
16:00	Break 16:30 - 17:00	Break 12:30 - 12:45	Break 12:30 - 12:45	Break/ Guided Poster Tours/ Poster Sessions 13:15 - 14:45	Break/ Guided Poster Tours/ Poster Sessions 13:15 - 14:45
16:30					
17:00					
17:30	Therapeutic Plenary Session 17:00 - 19:00	Break 15:15 - 15:30	Break 15:15 - 15:30	Break 14:45 - 15:00	Break 14:45 - 15:00
18:00					
18:30					
19:00	Break 19:00 - 19:30	Parallel Sessions/ Teaching Courses 15:30 - 17:30	Parallel Sessions/ Teaching Courses 15:30 - 17:30	Parallel Sessions/ Teaching Courses 15:00 - 17:00	Parallel Sessions/ Teaching Courses 15:00 - 17:00
19:30					
20:00					
20:30	Welcome Ceremony 19:30 - 21:30	Break 17:30 - 18:00	Break 17:30 - 18:00	Skills Workshops/ Video Sessions 17:30 - 19:00	Skills Workshops/ Video Sessions 17:30 - 19:00
21:00					
21:30					
22:00		Skills Workshops/ Video Sessions 18:00 - 19:30	Skills Workshops/ Video Sessions 18:00 - 19:30	MDS Video Challenge 19:00 - 22:00	MDS Video Challenge 19:00 - 22:00




Scan to learn more  
on our website



## Sunday, June 4, 2017

### Dear Colleagues,

On behalf of the International Parkinson and Movement Disorder Society, we are pleased to formally invite you to attend the 21<sup>st</sup> International Congress of Parkinson's Disease and Movement Disorders in Vancouver, BC, Canada from June 4–8, 2017.

At each annual International Congress, the Congress Scientific Program Committee selects a theme that is highlighted throughout the meeting. This year's theme, *Pathophysiology of Basal Ganglia Disorders: From Cell to System to Patient*, will be showcased in two Plenary Sessions, nine Parallel Sessions, one Skills Workshop and one Teaching Course. International experts will serve as faculty, and the meeting participants can elect to attend any or all of these sessions. Themed sessions are designated in the program with a .

We are excited to welcome you to Vancouver for the 21<sup>st</sup> International Congress and hope you will take part in this exceptional Scientific Program. We promise an unforgettable learning experience.

With kind regards,

Oscar Gershanik, *President, International Parkinson and Movement Disorder Society, 2015–2017*

Christine Klein, *Chair, Congress Scientific Program Committee, 2015–2017*

A. Jon Stoessl, *Co-Chair, Congress Scientific Program Committee, 2017*

#### 1101 Therapeutic Plenary Session

##### Treating Motor Complications of Parkinson's Disease

**8:00 – 10:00**

- Chairs: Steven Frucht  
*New York, NY, USA*  
Oscar Gershanik  
*Buenos Aires, Argentina*
- 8:00 Disease Related Motor Complications: Gait, Posture, Balance  
Bettina Debu  
*Grenoble, France*
- 8:40 Understanding Motor Fluctuations and Dyskinesias: Clinical Aspects, Pathophysiology, Risk Factors  
Han-Joon Kim  
*Seoul, Korea*
- 9:20 Prevention, Treatment and Management of Motor Fluctuations and Dyskinesias  
Jean-Christophe Corvol  
*Paris, France*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

#### 1102 Therapeutic Plenary Session

##### Treatment of Dystonia

**11:00 – 13:00**

- Chairs: Marina De Koning-Tijssen  
*Groningen, Netherlands*  
Hyder Jinnah  
*Atlanta, GA, USA*
- 11:00 Assessment and Classification as the First Step in Expert Management  
Alberto Albanese  
*Rozzano, Italy*
- 11:40 Medical Treatment (Including Botulinum Toxins)  
Mandar Jog  
*London, ON, Canada*
- 12:20 Surgical Treatment (Including Deep Brain Stimulation)  
Joachim Krauss  
*Hannover, Germany*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

#### 1103 Therapeutic Plenary Session

##### Update on the Treatment of Hyperkinetic Movement Disorders

**14:30 – 16:30**

- Chairs: Jonathan Mink  
*Rochester, NY, USA*  
Raymond Rosales  
*Manila, Philippines*
- 14:30 Chorea in the Clinic: Which One and Which Treatment?  
Pichet Termsarasab  
*Cleveland Heights, OH, USA*
- 15:10 Tic Disorders: Diagnosis and Treatment  
Jonathan Mink  
*Rochester, NY, USA*
- 15:50 Myoclonus: Etiology, Pathophysiology and Treatment Insights  
Yoshikazu Ugawa  
*Fukushima, Japan*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

#### 1104 Therapeutic Plenary Session

##### Update on Neurosurgical Interventions for Movement Disorders

**17:00 – 19:00**

- Chairs: Kelly Foote  
*Gainesville, FL, USA*  
Elena Moro  
*Grenoble, France*
- 17:00 MRI-Guided Focal Ultrasound Lesions: Present and Future  
Binit Shah  
*Charlottesville, VA, USA*
- 17:40 Updates on Gamma-Knife Treatment  
Jean Regis  
*Marseille, France*
- 18:20 Emerging Interventions in Deep Brain Stimulation  
Peter Brown  
*Oxfordshire, United Kingdom*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees



## Monday, June 5, 2017

### 2101 Plenary Session

#### Presidential Lectures 8:00 – 10:00

- Chairs: Oscar Gershanik  
*Buenos Aires, Argentina*  
Christopher Goetz  
*Chicago, IL, USA*
- 8:00 Stanley Fahn Lecture  
Ali Rajput  
*Saskatoon, SK, Canada*
- 8:30 Junior Award Lectures  
*To be announced*
- 9:30 C. David Marsden Lecture  
Glenda Halliday  
*Randwick, NSW, Australia*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 2102 Plenary Session

#### Pathophysiological Underpinnings of Clinical Manifestations 10:30 – 12:30

- Chairs: David Eidelberg  
*Masshasset, NY, USA*  
A. Jon Stoessl  
*Vancouver, BC, Canada*
- 10:30 Pathophysiology of Motor  
Dysfunction  
John Rothwell  
*London, United Kingdom*
- 11:10 Compensatory Mechanisms -  
Lessons from Imaging Studies  
David Eidelberg  
*Masshasset, NY, USA*
- 11:50 Pathophysiology of Cognitive  
and Behavioral Changes in Basal  
Ganglia Disorders  
Anthony Phillips  
*Vancouver, BC, Canada*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 2203 Parallel Session

#### Imaging in Model Systems of Basal Ganglia Function 15:30 – 17:30

- Chairs: Bernd Pichler  
*Tübingen, Germany*  
Vesna Sossi  
*Vancouver, BC, Canada*
- 15:30 Optogenetics: Enhancing our  
Understanding of Basal Ganglia  
Function  
Nicole Calakos  
*Durham, NC, USA*
- 16:10 Astrocytes and Microglia  
Studied in Vivo: Imaging Disease  
Mechanisms  
Brian MacVicar  
*Vancouver, BC, Canada*
- 16:50 Concurrent Multimodal Imaging  
Bernd Pichler  
*Tübingen, Germany*

Recommended Audience: Basic scientists, Clinical academicians,  
Students/Residents/Trainees

### 2204 Parallel Session

#### Repeat Expansion Disorders: From Cell to System to Patient 15:30 – 17:30

- Chairs: Alexis Brice  
*Paris, France*  
Luis Velázquez-Pérez  
*Holguín, Cuba*
- 15:30 Repeat Expansion Disorders –  
Movement Disorders and More  
Alexis Brice  
*Paris, France*
- 16:10 Spinocerebellar Ataxias (SCAs)  
Luis Velázquez-Pérez  
*Holguín, Cuba*
- 16:50 Fragile X Tremor-Ataxia  
Deborah Hall  
*Chicago, IL, USA*

Recommended Audience: Basic scientists, Clinical academicians,  
Practitioners, Students/Residents/Trainees

### 2205 Parallel Session

#### Pediatric Movement Disorders 15:30 – 17:30

- Chairs: Jonathan Mink  
*Rochester, NY, USA*  
Harvey Singer  
*Baltimore, MD, USA*
- 15:30 Repetitive Movement Disorders  
in Children  
Harvey Singer  
*Baltimore, MD, USA*
- 16:10 Metabolic Movement Disorders in  
Children  
Darius Ebrahimi-Fakhari  
*Boston, MA, USA*
- 16:50 Pediatric Movement Disorders  
Patients Transitioning into Adult  
Neurology  
Martje van Egmond  
*Haren, Netherlands*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 2206 Parallel Session

#### Movement Disorders in Paraneoplastic and Autoimmune Disease 15:30 – 17:30

- Chairs: Sarosh Irani  
*Oxford, United Kingdom*  
Philip Thompson  
*Adelaide, SA, Australia*
- 15:30 Autoimmune Encephalopathies  
Sarosh Irani  
*Oxford, United Kingdom*
- 16:10 Sydenham's Chorea  
Hilla Ben-Pazi  
*Jerusalem, Israel*
- 16:50 Paraneoplastic Movement  
Disorders  
Sean Pittock  
*Rochester, MN, USA*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees





## Monday, June 5, 2017

### 2207 Parallel Session

#### Monogenic Movement Disorders in the Next Generation Sequencing Era 15:30 – 17:30

- Chairs: Thomas Bird  
*Seattle, WA, USA*  
Katja Lohmann  
*Lübeck, Germany*
- 15:30 Finding Genes for Movement Disorders in the Next Generation Sequencing Era: Parkinsonism as Example  
Enza Maria Valente  
*Rome, Italy*
- 16:10 Genes Causing Isolated Dystonia – New Mutations and Pathogenetic Pathways  
Katja Lohmann  
*Lübeck, Germany*
- 16:50 Monogenic Hyperkinetic Disorders with Pleomorphic Phenotypes  
Thomas Bird  
*Seattle, WA, USA*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 2208 Parallel Session

#### Integrated Management of Movement Disorders: Is It Needed in All Stages? 15:30 – 17:30

- Chairs: Bastiaan Bloem  
*Nijmegen, Netherlands*  
Daniel Corcos  
*Chicago, IL, USA*
- 15:30 The Case for Integrated Care Management of Parkinson's Disease: An Evidence-Based Perspective  
Carsten Eggers  
*Cologne, Germany*
- 16:10 Update on the Most Recent Evidence for Non-Pharmacological Interventions  
Daniel Corcos  
*Chicago, IL, USA*
- 16:50 Logistics of Integrated Care  
Geraldine Acuna-Sunshine  
*Boston, MA, USA*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 2309 Teaching Course

#### Neuroimaging Techniques of Systems Neuroscience 15:30 – 17:30

- Chairs: Paola Piccini  
*London, United Kingdom*  
Irena Rektorova  
*Brno, Czech Republic*
- 15:30 Principles of Tractography  
Federica Agosta  
*Milan, Italy*
- 16:10 Imaging the Human Connectome  
Shunsuke Kobayashi  
*Fukushima, Japan*
- 16:50 Principles of Molecular Imaging  
Paola Piccini  
*London, United Kingdom*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 2310 Teaching Course

#### Practical Management of Common Non-Motor Symptoms in Parkinson's Disease 15:30 – 17:30

- Chairs: Paolo Barone  
*Naples, Italy*  
Pablo Martinez-Martin  
*Madrid, Spain*
- 15:30 How to Evaluate and Treat Autonomic Dysfunction in Parkinson's Disease  
Christopher Mathias  
*London, United Kingdom*
- 16:10 How to Evaluate and Treat Sleep Dysfunction in Parkinson's Disease  
Aleksandar Videnovic  
*Brookline, MA, USA*
- 16:50 How to Evaluate and Treat Cognitive and Psychiatric Disturbances in Parkinson's Disease  
Jennifer Goldman  
*Chicago, IL, USA*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 2411 Skills Workshop

#### Functional Capacity in Parkinson's Disease: How Can Practice Help? 18:00 – 19:30

- Elke Heremans  
*Heverlee, Belgium*  
Ingrid Sturkenboom  
*Nijmegen, Netherlands*
- Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 2412 Skills Workshop

#### Which Targeting Technique for Botulinum Toxin Injections? 18:00 – 19:30

- Joseph Tsui  
*Vancouver, BC, Canada*  
Uwe Walter  
*Rostock, Germany*
- Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 2413 Skills Workshop

#### Post-Surgical Management of Deep Brain Stimulation Therapies 18:00 – 19:30

- Genko Oyama  
*Tokyo, Japan*  
Maria Rodriguez-Oroz  
*Pamplona, Spain*
- Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 2414 Skills Workshop

#### Lessons from My Patients 18:00 – 19:30

- Susan Bressman  
*New York, NY, USA*  
Barry Snow  
*Auckland, New Zealand*
- Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees



## Monday, June 5, 2017

### 2415 Skills Workshop **TICKET**

#### **The Challenge of Molecular Genetics for the Clinician**

**18:00 – 19:30**

Alexandra Durr

*Paris, France*

Marialuisa Quadri

*Rotterdam, Netherlands*

Recommended Audience: Basic scientists, Clinical academicians, Practitioners, Students/Residents/Trainees

### 2516 Video Session **TICKET**

#### **Movement Disorders in Autoimmune Diseases**

**18:00 – 19:30**

Bettina Balint

*London, United Kingdom*

Andrew McKeon

*Rochester, MN, USA*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 2517 Video Session **TICKET**

#### **Update on Paroxysmal Movement Disorders**

**18:00 – 19:30**

Roberto Erro

*Verona, Italy*

Jennifer Friedman

*Del Mar, CA, USA*

Recommended Audience: Clinical academicians, Practitioners, Students/Residents/Trainees

### 2518 Video Session **TICKET**

#### **Acquired Chorea: What is New?**

**18:00 – 19:30**

Kalyan Bhattacharyya

*Kolkata, India*

Kathleen Shannon

*Madison, WI, USA*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees





## Tuesday, June 6, 2017

### 3101 Plenary Session

#### Disease Mechanisms of Parkinson's Disease: From Cell to System 8:00 – 10:00

- Chairs: Marie-Francoise Chesselet  
*Los Angeles, CA, USA*  
Andrew West  
*Birmingham, AL, USA*
- 8:00 Protein Degradation and Mitochondrial Dysfunction  
Anthony Schapira  
*London, United Kingdom*
- 8:40 Axonal Transport and Membrane Sorting  
Matthew Seaman  
*Cambridge, United Kingdom*
- 9:20 Neuroinflammation  
Andrew West  
*Birmingham, AL, USA*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3102 Plenary Session

#### Huntington's Disease: Molecular and Therapeutic Advances 11:00 – 12:30

- Chairs: Christopher Goetz  
*Chicago, IL, USA*  
Werner Poewe  
*Innsbruck, Austria*
- 11:00 The Huntington's Disease Gene and Its Modifiers  
Jong-Min Lee  
*Boston, MA, USA*
- 11:30 Molecular Imaging in Huntington's Disease - Recent Advances  
Andrea Varrone  
*Stockholm, Sweden*
- 12:00 Emerging Therapies in Huntington's Disease: Promises and Challenges  
Blair Leavitt  
*Vancouver, BC, Canada*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3203 Parallel Session

#### Promises of Induced Pluripotent Stem Cells: From Modeling to Therapy 15:30 – 17:30

- Chairs: Steven Finkbeiner  
*San Francisco, CA, USA*  
Miquel Vila  
*Barcelona, Spain*
- 15:30 iPSC-Derived Neuronal Models for Basal Ganglia Diseases  
Steven Finkbeiner  
*San Francisco, CA, USA*
- 16:10 From Neurons to Brain Organoids  
Nobutaka Hattori  
*Tokyo, Japan*
- 16:50 Application of iPSC-Derived Models and Novel Therapeutic Approaches  
Brent Ryan  
*Oxford, United Kingdom*

Recommended Audience: Basic scientists, Clinical academicians, Students/Residents/Trainees

### 3204 Parallel Session

#### Imaging Genetics and Pathophysiology in Humans 15:30 – 17:30

- Chairs: Doris Doudet  
*Vancouver, BC, Canada*  
Wayne Martin  
*Edmonton, AB, Canada*
- 15:30 Neurotransmitter Studies in Genetic Disease and Prodromal Populations  
Marios Politis  
*London, United Kingdom*
- 16:10 Structural and Functional Connectivity  
Hartwig Siebner  
*Hvidovre, Denmark*
- 16:50 Imaging Pathology - Inflammation and Abnormal Protein  
Vesna Sossi  
*Vancouver, BC, Canada*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3205 Parallel Session

#### Breaking News in Movement Disorders 15:30 – 17:30

- Chairs: Michael Schlossmacher  
*Ottawa, ON, Canada*  
Matthew Stern  
*Philadelphia, PA, USA*
- 15:30 Imaging Pathology of Neurodegenerative Movement Disorders: Why is it Important and So Difficult?  
Per Borghammer  
*Aarhus, Denmark*
- 16:10 New Genes, New Mechanisms: Why Do We Care?  
Niccolò Mencacci  
*London, United Kingdom*
- 16:50 Biomarkers and Clinical Trials: Where are We?  
Michael Schlossmacher  
*Ottawa, ON, Canada*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3206 Parallel Session

#### Management of Common Axial Problems in Advanced Parkinson's Disease 15:30 – 17:30

- Chairs: Yael Manor  
*Tel Aviv, Israel*  
Alice Nieuwboer  
*Heverlee, Belgium*
- 15:30 Effective Pharmacological and Surgical Treatment Strategies for Common Late Stage Axial  
Caroline Moreau  
*Marq en Baroeul, France*
- 16:10 Speech and Respiratory Therapy Options to Treat Hypophonic Dysarthria and Prevent Dysphagia  
Yael Manor  
*Tel Aviv, Israel*
- 16:50 When Recurrent Falls and Postural Instability are Prevalent, is Rehabilitation Too Late?  
Colleen Canning  
*Sydney, NSW, Australia*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees





## Tuesday, June 6, 2017

### 3207 Parallel Session

#### Function and Dysfunction of the Synapse 15:30 – 17:30

- Chairs: Micaela Morelli  
*Cagliari, Italy*  
Jose Obeso  
*Madrid, Spain*
- 15:30 Modulation of the Synapse in the Normal and Denervated Striatum  
Christian Pifl  
*Wien, Austria*
- 16:10 Therapeutic Complications Arising from Synaptic Dysfunction  
Manolo Carta  
*Cagliari, Italy*
- 16:50 Therapies Targeting Synaptic Plasticity  
Per Svenningsson  
*Stockholm, Sweden*

Recommended Audience: Basic scientists, Clinical academicians, Students/Residents/Trainees

### 3208 Parallel Session

#### Progressive Supranuclear Palsy: Towards Early Diagnosis and Causal Therapies 15:30 – 17:30

- Chairs: Adam Boxer  
*San Francisco, CA, USA*  
Günter Höglinger  
*Munich, Germany*
- 15:30 The MDS-Criteria for Diagnosis of Progressive Supranuclear Palsy  
Christer Nilsson  
*Lund, Sweden*
- 16:10 Imaging the Diagnosis and Progression of Progressive Supranuclear Palsy  
Jennifer Whitwell  
*Rochester, MN, USA*
- 16:50 Current and Future Therapies for Progressive Supranuclear Palsy  
Adam Boxer  
*San Francisco, CA, USA*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3309 Teaching Course

#### Clues in the Clinical Examination of Movement Disorders 15:30 – 17:30

- Chairs: Peter Bain  
*Richmond, United Kingdom*  
Francisco Cardoso  
*Belo Horizonte, Brazil*
- 15:30 Tips in Tremor  
Peter Bain  
*Richmond, United Kingdom*
- 16:10 Pointers in Parkinsonism  
Vincent Mok  
*Shatin, Peoples Republic of China*
- 16:50 Hints for Hyperkinetic Movement Disorders  
Emilia Gatto  
*Buenos Aires, Argentina*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3310 Teaching Course

#### Classification, Pathogenesis, and Management of Dystonia 15:30 – 17:30

- Chairs: Petr Kanovsky  
*Olomouc, Czech Republic*  
Christine Klein  
*Lübeck, Germany*
- 15:30 Applying the Dystonia Classification to Your Patient  
Petr Kanovsky  
*Olomouc, Czech Republic*
- 16:10 Pathogenesis of Dystonia  
Aloysius Domingo  
*Lübeck, Germany*
- 16:50 Current Treatments in Dystonia  
Takahiro Mezaki  
*Takarazuka, Japan*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3411 Skills Workshop

#### How to Interpret Systems Neuroscience Findings 18:00 – 19:30

- Rudi Balling  
*Luxembourg, Germany*  
Alfons Schnitzler  
*Düsseldorf, Germany*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3412 Skills Workshop

#### Telemedicine and Technology in Parkinson's Disease Management: The Why, What and How 18:00 – 19:30

- Esther Cubo Delgado  
*Burgos, Spain*  
Meredith Spindler  
*Philadelphia, PA, USA*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3413 Skills Workshop

#### Honing the MDS-UPDRS to Deal With Real-Life Challenges 18:00 – 19:30

- Mayela Rodriguez Violante  
*Mexico City, Mexico*  
Glenn Stebbins  
*Chicago, IL, USA*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3414 Skills Workshop

#### Colleague to Colleague: Recognizing and Managing Tardive Syndromes 18:00 – 19:30

- Tove Henriksen  
*Copenhagen, Denmark*  
Daniel Tarsy  
*Boston, MA, USA*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees





## Tuesday, June 6, 2017

### 3415 Skills Workshop

#### Technology in Assessment of Parkinson's Disease: How Does it Help?

**18:00 – 19:30**

Fay Horak  
*Portland, OR, USA*  
Walter Maetzler  
*Kiel, Germany*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3416 Skills Workshop

#### Noninvasive Stimulation in Movement Disorders

**18:00 – 19:30**

Robert Chen  
*Toronto, ON, Canada*  
Angelo Quartarone  
*Messina, Italy*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3517 Video Session

#### Eye Movement Characteristics in Movement Disorders

**18:00 – 19:30**

Adolfo Bronstein  
*London, United Kingdom*  
Aasef Shaikh  
*Cleveland, OH, USA*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 3518 Video Session

#### Movement Disorders in Children

**18:00 – 19:30**

Yoshiko Nomura  
*Tokyo, Japan*  
Toni Pearson  
*St. Louis, MO, USA*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

## CME Information

### Purpose

The purpose of the 21st International Congress of Parkinson's Disease and Movement Disorders is to offer a forum for clinical and basic discussion on a variety of movement disorder topics, including presentations of current research and available treatments.

### Learning Objectives

Through state-of-the-art lectures, hot topic reviews, controversy debates, teaching courses, skills workshops and video sessions, participants will be better able to:

1. Describe the pathophysiology and neurobiology of Parkinson's disease and other movement disorders;
2. Discuss the diagnostic approaches and tools available for Parkinson's disease and other movement disorders;
3. Discuss the pharmacological and non-pharmacological treatment options available for Parkinson's disease and other movement disorders.

### Accreditation Statement

The International Parkinson and Movement Disorder Society is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### Credit Designation

The International Parkinson and Movement Disorder Society designates this live activity for a maximum of 35 *AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.

### Target Audience

The target audience of the 21st International Congress of Parkinson's Disease and Movement Disorders includes clinicians, researchers, post-doctoral fellows, medical residents, medical students and other healthcare professionals with an interest in the current research and approaches for the diagnosis and treatment of movement disorders.



## Wednesday, June 7, 2017

### 4101 Plenary Session

#### Challenges in Clinicogenetic Correlations: One Gene - Many Phenotypes; One Phenotype - Many Genes 8:00 – 9:30

Chairs: Kailash Bhatia  
*London, United Kingdom*

Victor Fung  
*Sydney, NSW, Australia*

8:00 One Gene – Many Phenotypes  
Kailash Bhatia  
*London, United Kingdom*

8:30 One Phenotype – Many Genes  
Vincenzo Bonifati  
*Rotterdam, Netherlands*

9:00 Clinical Implications – Diagnosis  
and Treatment  
Hyder Jinnah  
*Atlanta, GA, USA*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 4102 Plenary Session

#### Grand Rounds 10:00 – 12:00

*In this interactive session, MDS experts will  
examine interesting common and complex  
patients. During this session, you will learn how  
they formulate diagnoses and manage these  
interesting and challenging patients.*

Chairs: Silke Appel-Cresswell  
*Vancouver, BC, Canada*

Martin McKeown  
*Vancouver, BC, Canada*

MDS Giovanni Fabbrini  
*Rome, Italy*

Experts: Susan Fox  
*Toronto, ON, Canada*

Carolyn Sue  
*Sydney, NSW, Australia*

Marie Vidailhet  
*Paris, France*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 4203 Parallel Session



#### From Genes to Functional Pathways in Parkinsonism 15:00 – 17:00

Chairs: Vincenzo Bonifati  
*Rotterdam, Netherlands*

Matthew LaVoie  
*Boston, MA, USA*

15:00 Dominantly Inherited  
Parkinsonism: What are the  
Common Pathways?  
Andreas Puschmann  
*Lund, Sweden*

15:40 Linking Monogenic Parkinsonism  
to the Immune System  
Matthew LaVoie  
*Boston, MA, USA*

16:20 Retromer Dysfunction as a  
Common Pathway Underlying  
Parkinson's Disease  
Matthew Farrer  
*Vancouver, BC, Canada*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 4204 Parallel Session



#### Are all Neurodegenerative Diseases Prion Disorders? 15:00 – 17:00

Chairs: Glenda Halliday  
*Randwick, NSW, Australia*

Mathias Jucker  
*Tübingen, Germany*

15:00 Synucleinopathies  
Maria Grazia Spillantini  
*Cambridge, United Kingdom*

15:40 Amyloidopathies  
Mathias Jucker  
*Tübingen, Germany*

16:20 Tauopathies  
John Trojanowski  
*Philadelphia, PA, USA*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 4205 Parallel Session



#### Food, Gut and Parkinson's Disease: You Are What You Ingest 15:00 – 17:00

Chairs: Alberto Ascherio  
*Boston, MA, USA*

Carlo Colosimo  
*Rome, Italy*

15:00 The Gut Microbiome, Parkinson's  
Disease and Motor, Non-Motor  
Clinical Subtypes  
Filip Scheperjans  
*Hus, Finland*

15:40 Caffeine, Uric Acid and Smoking  
Alberto Ascherio  
*Boston, MA, USA*

16:20 Does Vagotomy Have a Role in  
Parkinson's Disease Pathogenesis  
or Treatment?  
Elisabeth Svensson  
*Aarhus, Denmark*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 4206 Parallel Session



#### James Parkinson's 200 Years: The Non-Motor Parkinson's New Visions 15:00 – 17:00

Chairs: K. Ray Chaudhuri  
*London, United Kingdom*

Pablo Martinez-Martin  
*Madrid, Spain*

15:00 Novel Ways of Grading  
Parkinson's Disease Using Motor  
and Non-Motor Assessments: An  
Essential Clinical Paradigm  
Pablo Martinez-Martin  
*Madrid, Spain*

15:40 Motor and Non-Motor  
Endophenotypes of Parkinson's  
Disease: Controversies and  
Clinical Description  
Connie Marras  
*Toronto, ON, Canada*

16:20 Ethnicity and Its Impact on  
Parkinson's Disease: A Global View  
With a Non-Motor Perspective  
Yoshio Tsuboi  
*Fukuoka, Japan*

Recommended Audience: Basic scientists, Clinical academicians,  
Epidemiologists, General physicians, Non-physician Health  
Professionals, Practitioners, Students/Residents/Trainees



## Wednesday, June 7, 2017

### 4207 Parallel Session **TICKET**

#### From Fish to Primates: Genetic and Mechanistic Animal Models for Parkinson's Disease 15:00 – 17:00

- Chairs: Stephane Palfi  
*Creteil, France*  
Ryosuke Takahashi  
*Kyoto, Japan*
- 15:00 How do Fish Models Contribute to Understanding of Parkinson's Disease?  
Ryosuke Takahashi  
*Kyoto, Japan*
- 15:40 Modeling Non-Motor Symptoms of Parkinson's Disease in Rodents  
Penelope Hallett  
*Belmont, MA, USA*
- 16:20 Primate Models of Parkinson's Disease: From MPTP to Synucleinopathy  
Erwan Bezard  
*Bordeaux, France*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Students/Residents/Trainees

### 4208 Parallel Session **TICKET**

#### Basal Ganglia: Crossroads of Behavior and Motility 15:00 17:00

- Chairs: Fumino Fujiyama  
*Kyoto, Japan*  
Mark Stacy  
*Durham, NC, USA*
- 15:00 Basal Ganglia Circuits for Motor and Behavioral, Emotional Performances  
Fumino Fujiyama  
*Kyoto, Japan*
- 15:40 Behavioral and Motor Symptoms in Parkinson's Disease and Other Movement Disorders  
Kathy Dujardin  
*Lille, France*
- 16:20 How to Treat Patients With Behavioral Disorders and Motor Symptoms  
Louis Tan  
*Singapore*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 4309 Teaching Course **TICKET**

#### Uncommon Treatable Movement Disorders Not to Be Missed 15:00 – 17:00

- Chairs: Carlos Cosentino  
*Lima, Peru*  
Aurelie Meneret  
*Paris, France*
- 15:00 Movement Disorder in Toxic and Infectious Diseases  
Carlos Cosentino  
*Lima, Peru*
- 15:40 Autoimmune Movement Disorders  
Jessica Panzer  
*Philadelphia, PA, USA*
- 16:20 Metabolic Diseases Presenting with Movement Disorders in Adults  
Aurelie Meneret  
*Paris, France*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 4310 Teaching Course **TICKET**

#### Diagnosis and Management of Atypical Parkinsonian Syndromes 15:00 – 17:00

- Chairs: Andrew Lees  
*London, United Kingdom*  
Eduardo Tolosa  
*Barcelona, Spain*
- 15:00 Progressive Supranuclear Palsy (PSP) and Corticobasal Degeneration (CBD)  
Andrew Lees  
*London, United Kingdom*
- 15:40 Multiple System Atrophy (MSA)  
Johannes Levin  
*Munich, Germany*
- 16:20 Dementia with Lewy Bodies (DLB)  
Bradley Boeve  
*Rochester, MN, USA*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 4411 Skills Workshop **TICKET**

#### Novel Insights Into Bladder and Sexual Dysfunction in Parkinson's Disease 17:30 – 19:00

- Gila Bronner  
*Ramat-Gan, Israel*  
Ryuji Sakakibara  
*Sakura, Japan*

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 4412 Skills Workshop **TICKET**

#### From Phenotype to Genotype and Back: The MDSGene Database 17:30 – 19:00

- Valerija Dobricic  
*Belgrade, Serbia*  
Christine Lill  
*Lübeck, Germany*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 4413 Skills Workshop **TICKET**

#### How to Become a Successful Movement Disorder Specialist 17:30 – 19:00

- Stanley Fahn  
*New York, NY, USA*  
Claudia Trenkwalder  
*Kassel, Germany*

Recommended Audience: Clinical academicians, Students/Residents/Trainees

### 4414 Skills Workshop **TICKET**

#### New Molecular Techniques That are Changing the Clinical Landscape 17:30 – 19:00

- Richard Myers  
*Boston, MA, USA*  
Richard Wade-Martins  
*Oxford, United Kingdom*

Recommended Audience: Basic scientists, Clinical academicians, Students/Residents/Trainees





## Wednesday, June 7, 2017

### 4515 Video Session **TICKET**

#### **Psychogenic Movement Disorders**

**17:30 – 19:00**

Hubert Fernandez  
*Cleveland, OH, USA*

Jon Stone  
*Edinburgh, United Kingdom*

Recommended Audience: Non-physician Health Professionals,  
Practitioners, Students/Residents/Trainees

### 4516 Video Session **TICKET**

#### **Minerals in the Brain**

**17:30 – 19:00**

Petr Dušek  
*Prague, Czech Republic*

Susan Hayflick  
*Portland, OR, USA*

Recommended Audience: Basic scientists, Clinical academicians,  
Practitioners, Students/Residents/Trainees

### 4517 Video Session **TICKET**

#### **Movement Disorder Emergencies**

**17:30 – 19:00**

Roberto Ceravolo  
*Pisa, Italy*

Sun Ju Chung  
*Seoul, Korea*

Recommended Audience: Clinical academicians, Non-physician  
Health Professionals, Practitioners, Students/Residents/Trainees

### 4518 Video Session **TICKET**

#### **Recently Described Rare Disorders**

**17:30 – 19:00**

Victor Fung  
*Sydney, NSW, Australia*

Dan Healy  
*Dublin, Ireland*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees





## Thursday, June 8, 2017

### 5101 Plenary Session

#### Development of Targeted Therapies for Parkinson's Disease

**8:00 – 9:30**

- Chairs: Dimitri Krainc  
*Charlestown, MA, USA*
- Werner Poewe  
*Innsbruck, Austria*
- 8:00 Novel Targeted Therapies for Parkinson's Disease  
Werner Poewe  
*Innsbruck, Austria*
- 8:30 Development of Small Molecule Activators for GBA1  
Dimitri Krainc  
*Charlestown, MA, USA*
- 9:00 Translating LRRK2 Biology into Novel Therapies  
Mark Cookson  
*Bethesda, MD, USA*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 5102 Plenary Session

#### Controversies in Movement Disorders

**10:00 – 11:00**

- Chairs: Charles Adler  
*Scottsdale, AZ, USA*
- Tim Anderson  
*Christchurch, New Zealand*
- 10:00 Immunization Therapies for Proteinopathies: More Hype Than Hope? (Hope)  
Jeffrey Kordower  
*Chicago, IL, USA*
- 10:15 Immunization Therapies for Proteinopathies: More Hype Than Hope? (Hype)  
Simone Engelender  
*Haifa, Israel*
- 10:30 ICD and Parkinson's Disease: Drug or Disease? (Drug)  
Celeste Napier  
*Chicago, IL, USA*
- 10:45 ICD and Parkinson's Disease: Drug or Disease? (Disease)  
Thomas Münte  
*Lübeck, Germany*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 5103 Plenary Session

#### Blue Ribbon Highlights

**11:00 – 12:00**

- Chairs: David John Burn  
*Newcastle upon Tyne, United Kingdom*
- Susan Fox  
*Toronto, ON, Canada*
- This session will provide a critical review of the best poster presentations by a panel of experts, highlighting the relevance, novelty, and quality of both clinical and basic research presented by delegates.*
- Paolo Calabresi  
*Perugia, Italy*
- Oksana Suchowersky  
*Edmonton, AB, Canada*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 5204 Parallel Session

#### Hereditary Spastic Paraplegias: An Expanding and Challenging Field

**15:00 – 17:00**

- Chairs: Giovanni Stevanin  
*Paris, France*
- Carolyn Sue  
*Sydney, NSW, Australia*
- 15:00 Autosomal Dominant Forms  
Toshitaka Kawai  
*Tokushima, Japan*
- 15:40 Autosomal Recessive and X-Linked Forms  
Giovanni Stevanin  
*Paris, France*
- 16:20 Pathogenic Pathways and Therapeutic Insights  
John Fink  
*Ann Arbor, MI, USA*

Recommended Audience: Basic scientists, Clinical academicians, Practitioners, Students/Residents/Trainees

### 5205 Parallel Session

#### Novel Insights From Inherited Dyskinesias

**15:00 – 17:00**

- Chairs: Michael Okun  
*Gainesville, FL, USA*
- Zhi-Ying Wu  
*Shanghai, Peoples Republic of China*
- 15:00 Isolated Dystonias: From Gene to Network  
Brian Berman  
*Aurora, CO, USA*
- 15:40 Paroxysmal Dyskinesias  
Zhi-Ying Wu  
*Shanghai, Peoples Republic of China*
- 16:20 Basal Ganglia-Related Dystonias: XDP, DRD, and Others  
Alexander Münchau  
*Hamburg, Germany*

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

### 5206 Parallel Session

#### Clinical Role of Neuropathology

**15:00 – 17:00**

- Chairs: Ian MacKenzie  
*Vancouver, BC, Canada*
- Eng-King Tan  
*Singapore*
- 15:00 Neuropathology for the Clinicians: The Nuts and Bolts  
Ian MacKenzie  
*Vancouver, BC, Canada*
- 15:40 Clinico-Pathological Correlations of Neurodegenerative Diseases  
Holly Shill  
*Phoenix, AZ, USA*
- 16:20 Imaging-Pathological Correlations of Parkinson's Disease  
Makoto Higuchi  
*Chiba, Japan*

Recommended Audience: Basic scientists, Clinical academicians, Practitioners, Students/Residents/Trainees



## Thursday, June 8, 2017

### 5207 Parallel Session

#### **'Atypical' Atypical Parkinsonism 15:00 – 17:00**

- Chairs: Jeffrey Kordower  
*Chicago, IL, USA*  
Gregor Wenning  
*Innsbruck, Austria*
- 15:00 Corticobasal Degeneration and  
Its Look-Alikes  
Carmela Tartaglia  
*Toronto, ON, Canada*
- 15:40 Progressive Supranuclear Palsy  
and Its Look-Alikes  
Gesine Respondek  
*München, Germany*
- 16:20 Multiple System Atrophy and Its  
Look-Alikes  
Gregor Wenning  
*Innsbruck, Austria*

Recommended Audience: Basic scientists, Clinical academicians,  
Non-physician Health Professionals, Practitioners, Students/  
Residents/Trainees

### 5208 Parallel Session

#### **Complementary and Alternative Medicine in Movement Disorders 15:00 – 17:00**

- Chairs: Beomseok Jeon  
*Seoul, Korea*  
Aikaterini Kompoti  
*Chicago, IL, USA*
- 15:00 The Landscape of Options  
Aikaterini Kompoti  
*Chicago, IL, USA*
- 15:40 The Science of Placebo Effects  
and Complementary Medicine  
Fabrizio Benedetti  
*Turin, Italy*
- 16:20 Incorporating Complementary  
Medicine into Movement  
Disorders Care  
Benzi Kluger  
*Denver, CO, USA*

Recommended Audience: Clinical academicians, Non-physician  
Health Professionals, Practitioners, Students/Residents/Trainees



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5209	Parallel Session	5310	Teaching Course	5311	Teaching Course
	<b>The Ataxias: The Spinocerebellar Ataxias, Recessive Ataxias and Secondary Ataxias 15:00 – 17:00</b>		<b>Classification and Management of Tremor 15:00 – 17:00</b>		<b>Management of Advanced Parkinson's Disease 15:00 – 17:00</b>
Chairs:	Joaquim Ferreira <i>Lisbon, Portugal</i>	Chairs:	Günther Deuschl <i>Kiel, Germany</i>	Chairs:	Nir Giladi <i>Tel Aviv, Israel</i>
	Stefan Pulst <i>Los Angeles, CA, USA</i>		Yoshikazu Ugawa <i>Fukushima, Japan</i>		Lars Timmermann <i>Cologne, Germany</i>
15:00	Classifications and Etiologies of Ataxias: A Clinical Approach	15:00	Evolving Classification of Tremor with Updates on New Tremor Entities	15:00	Pharmacological Strategies for Managing Motor Complications
	Helio Teive <i>Curitiba, Brazil</i>		Günther Deuschl <i>Kiel, Germany</i>		Angelo Antonini <i>Venice, Italy</i>
15:40	Genetic Testing in Spinocerebellar Ataxias in Clinics: Challenges and Limitations	15:40	Clinical Examination of Tremor	15:40	Surgery and Other Invasive Therapies for Managing Motor Complications
	Yih-Ru Wu <i>Taipei, Taiwan</i>		Alexander Rajput <i>Saskatoon, SK, Canada</i>		Thomas Kimber <i>Adelaide, SA, Australia</i>
16:20	Clinical and Experimental Therapies in Ataxias	16:20	Current Treatment Options for Tremor	16:20	Management of Levodopa-Unresponsive Symptoms
	Stefan Pulst <i>Los Angeles, CA, USA</i>		Matej Skorvanek <i>Kosice, Slovakia</i>		Nir Giladi <i>Tel Aviv, Israel</i>
Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees		Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees		Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees	



International Parkinson and Movement Disorder Society  
555 East Wells Street, Suite 1100  
Milwaukee, WI 53202-3823 USA

# 21<sup>st</sup> International Congress of Parkinson's Disease and Movement Disorders



PROGRAM-AT-A-GLANCE  
June 4–8, 2017

**VANCOUVER**  
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Important Dates:  
Preliminary Program Available January 2017  
Abstract Submission Deadline January 6, 2017  
Early Registration Deadline April 3, 2017  
Final Pre-Registration Deadline May 2, 2017



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