## International Congress Schedule-at-a-Glance

<table>
<thead>
<tr>
<th>Sunday, September 22</th>
<th>Monday, September 23</th>
<th>Tuesday, September 24</th>
<th>Wednesday, September 25</th>
<th>Thursday, September 26</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Therapeutic Plenary Session 8:00 - 10:00</td>
<td>Plenary Session (Presidential Lectures) 8:00 - 10:00</td>
<td>Plenary Session 8:00 - 9:30</td>
<td>Plenary Session 8:00 - 9:30</td>
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<td>8:30</td>
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<td>Break 9:30 - 10:30</td>
<td>MDS Business Meeting 9:30 - 10:30</td>
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<td>9:00</td>
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<td>Break 9:30 - 10:00</td>
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<td>10:00</td>
<td>MDS Regional Assemblies 10:00 - 11:00</td>
<td>Break 10:00 - 10:30</td>
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<tr>
<td>11:00</td>
<td>Therapeutic Plenary Session 11:00 - 13:00</td>
<td>Plenary Session 10:30 - 12:30</td>
<td>Plenary Session 10:00 - 12:00</td>
<td>Plenary Session (Controversies) 10:00 - 11:00</td>
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<td>Break 12:30 - 12:45</td>
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<td>12:30</td>
<td>Corporate Therapeutic Symposia 12:45 - 13:45</td>
<td>Corporate Therapeutic Symposia 12:45 - 13:45</td>
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<td>13:00</td>
<td>Break 13:00 - 14:30</td>
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<td>Corporate Therapeutic Symposia 12:15 - 13:15</td>
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<td>Poster Sessions &amp; Guided Poster Tours 13:15 - 14:45</td>
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<td>Break 14:45 - 15:00</td>
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<td>14:30</td>
<td>Therapeutic Plenary Session 14:30 - 16:30</td>
<td>Break 15:15 - 15:30</td>
<td>Break 15:15 - 15:30</td>
<td>Parallel Sessions &amp; Teaching Courses 15:00 - 17:00</td>
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<td>Break 17:00 - 17:30</td>
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<td>15:30</td>
<td>Parallel Sessions &amp; Teaching Courses 15:30 - 17:30</td>
<td>Science of Industry Session (non-CME) 15:30 - 17:30</td>
<td>Parallel Sessions &amp; Teaching Courses 15:30 - 17:30</td>
<td>Break 17:00 - 17:30</td>
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<td>16:00</td>
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<td>Skills Workshops, Video Sessions, Special Topic Sessions 17:30 - 19:00</td>
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<td>16:30</td>
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<td>Skills Workshops, Video Sessions, Special Topic Sessions 17:30 - 19:00</td>
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<td>MDS Video Challenge 19:00 - 22:00</td>
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<td>17:30</td>
<td>Therapeutic Plenary Session 17:00 - 19:00</td>
<td>Break 17:30 - 18:00</td>
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<td>Break 19:00 - 19:30</td>
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<td>19:30</td>
<td>Welcome Ceremony 19:30 - 21:30</td>
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### Legend:
- **CME Accredited Sessions**
- **Non-CME Educational Activities**
- **Corporate Therapeutic Symposia (non-CME)**
- **MDS Activities**
- **Events**
- **Breaks**
Welcome to Nice

Dear Colleagues,

On behalf of the International Parkinson and Movement Disorder Society (MDS), we are pleased to invite you to the International Congress of Parkinson’s Disease and Movement Disorders® in Nice, France from September 22-26, 2019.

Nice is a charming, picturesque city nestled on the southeast coast of France at the foot of the Alps and extending along the Mediterranean Sea. In addition to the draw of the dynamic landscape, including the Promenade des Anglais situated beside marine reserves and breathtaking ocean views, Nice is recognized for its distinctive architecture and history, with an abundance of historical museums, art galleries, castles, and palaces. The territory is also home to several major research centers and global scientific laboratories, making it the idyllic location for the 2019 International Congress.

We look forward to gathering as a community of clinicians, scientists, and healthcare professionals to learn about the latest advancements and research in the field of Movement Disorders. We expect inspiring discussions, invaluable networking opportunities, and an unforgettable experience.

With kind regards,

Christopher Goetz, President, International Parkinson and Movement Disorder Society, 2017-2019
Buz Jinnah, Chair, Congress Scientific Program Committee, 2017-2019
Jean-Christophe Corvol, Co-Chair, Congress Scientific Program Committee, 2019

International Congress Information

CME Information

Target Audience
Clinicians, researchers, post-doctoral fellows, medical residents, medical students, allied health professionals with an interest in current clinical trends and approaches for diagnosis and treatment of movement disorders.

Objectives
1) Evaluate the pharmacological and non-pharmacological management options available for Parkinson’s disease and other movement disorders
2) Discuss the diagnostic approaches and tools available for Parkinson’s disease and other movement disorders
3) Describe the pathogenesis and neurobiology of Parkinson’s disease and other movement disorders

Satisfactory Completion
Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty, it is your responsibility to contact your licensing/certification board to determine course eligibility for your board requirement.

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

Credit Designation Statement
The International Parkinson and Movement Disorder Society designates this live activity for a maximum of 33.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
International Congress Session Definitions

CME Accredited Sessions

**2019 International Congress Themed Sessions:** At each annual International Congress, the Congress Scientific Program Committee selects a theme that is highlighted throughout the meeting. This year’s theme, *Translating the Science of Movement Disorders into Clinical Practice*, will be showcased with international experts serving as faculty. Delegates can elect to attend any or all of these sessions. Themed sessions are designated in the program with a symbol.

**Controversies:** This Plenary Session is designed to involve all International Congress delegates. Content is prepared to stimulate interest and debate among a panel of experts. Views from several angles will be addressed as discussion of pre-selected “hot” topics will be open for debate among the panelists.

**Grand Rounds:** In this interactive session, MDS experts will examine both common and rare movement disorder patients. The audience will learn how they formulate diagnoses and manage these interesting and challenging patients.

**Parallel Sessions:** These concurrent sessions provide an in-depth summary of new clinical and basic research findings, state-of-the-art treatment options, and future strategies on a variety of focused topics within the field of Movement Disorders.

**Plenary Sessions:** These sessions provide an overview of the latest clinical and basic science research findings and state-of-the-art information relating to topics of broad interest within the field of Movement Disorders.

**Skills Workshops:** These concurrent sessions provide practical illustrations of clinical or scientific techniques relevant to the field of Movement Disorders through video examples and equipment demonstrations.

**NEW! Special Topics in Movement Disorders:** These interactive sessions address “hot” topics in science or medicine using a variety of different formats that may include lectures, video presentations, and audience interaction.

**Teaching Courses:** These educational programs provide up-to-date information focused on a single topic. The sessions highlight both the clinical and basic science of topics of relevance to Movement Disorder specialists. The sessions are unique in providing a syllabus that includes a review of the topic and the presentation slides.

**Therapeutic Plenary Sessions:** These sessions provide an overview of the latest, state-of-the-art treatment options in the field of Movement Disorders into Clinical Practice. This year’s theme, Translating the Science of Movement Disorders into Clinical Practice, will be showcased with international experts serving as faculty. Delegates can elect to attend any or all of these sessions. Themed sessions are designated in the program with a symbol.

**Video Sessions:** These concurrent sessions focus on video demonstrations to provide an overview of clinical movement disorders.

**Corporate Therapeutic Symposia (non-CME)**

These company-based informational sessions provide delegates with non-CME educational opportunities to learn the latest in therapeutics.

Non-CME Accredited Educational Activities

**Guided Poster Tours:** Guided Poster Tours give small groups of delegates an opportunity to hear discussion on a select group of abstracts in several different topics.

**Poster Sessions:** Poster sessions give each delegate an opportunity to view their colleagues’ posters on the most current research in the field of Movement Disorders. Posters are available for daily viewing and authors are present for 90 minutes to discuss their work and answer questions.

**NEW! Science of Industry Session:** These interactive sessions will provide delegates with a non-CME educational opportunity to learn about novel therapeutic agents under development by industry. Sessions may incorporate basic scientists or clinicians working in industry, and topics may address the biological rationale or development process for specific therapeutics in development within the field of Movement Disorders.

International Congress Events

**MDS Video Challenge:** The goal of this session is for delegates to learn from a series of unusual patients and observe how senior experts approach a challenging case. A world-renowned panel of Movement Disorders experts guide delegates through unique Movement Disorder cases as they are presented by representatives from Movement Disorder centers around the world.

**Welcome Ceremony:** All International Congress delegates are warmly invited to attend the Welcome Ceremony at the Nice Acropolis Convention and Exhibition Centre. This event is open to all open to all registered delegates and there is no additional fee to attend.

MDS Activities

**MDS Business Meeting:** Open to all International Congress delegates, the Society encourages Members to attend the MDS Business Meeting to receive updates from the MDS President and other MDS Officers on the Society, the various Regional Sections, to participate in the Officers’ and IEC election and to discuss other Society concerns.

**Regional Assemblies:** Delegates from each of the various MDS Regional Sections (MDS-AOS, MDS-ES, MDS-PAS, and Africa) are invited to participate in the Regional Assemblies to receive updates on activities and general concerns from within the sections.

International Congress Faculty Roles

**Chair:** Facilitates the learnings of the session; ensures that learning objectives are met during the presentation(s), and engages the learners as needed.

**CSPC Liaison:** Develops the session from the onset and provides guidance to ensure that the overall objectives are met.

**Speaker / Presenter:** Creates and delivers the presentation materials, and participates in the dialogue of the session.
### Sunday, September 22, 2019

<table>
<thead>
<tr>
<th>Session 1101</th>
<th>Therapeutic Plenary Session</th>
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<tbody>
<tr>
<td><strong>Recognition and Treatment of Early Stage Parkinson’s Disease</strong></td>
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<tr>
<td>8:00 – 10:00</td>
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</table>
| Chairs: Franck Durif, France  
Susan Fox, Canada |
| Distinguishing Prodromal and Early Parkinson’s Disease  
Daniela Berg, Germany  
Treatment of Early Parkinson’s Disease  
Shen-Yang Lim, Malaysia  
Disease Modifying Treatment for Parkinson’s Disease:  
Current and Future  
Olivier Rascol, France |
| CSPC Liaison: Shengdi Chen, People’s Republic of China |
| Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees |

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<thead>
<tr>
<th>Session 1102</th>
<th>Therapeutic Plenary Session</th>
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<tbody>
<tr>
<td><strong>Recognition and Treatment of Complications in Later Stage Parkinson’s Disease</strong></td>
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<tr>
<td>11:00 – 13:00</td>
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</tbody>
</table>
| Chairs: Elena Moro, France  
Louis Tan, Singapore  
Angelo Antonini, Italy  
Jennifer Goldman, USA  
Nir Giladi, Israel |
| Motor and Non-Motor Fluctuations and Dyskinesias  
Cognitive, Behavioral and Psychiatric Problems  
Gait, Balance and Falls |
| CSPC Liaison: Han-Soon Kim, South Korea |
| Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees |

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<thead>
<tr>
<th>Session 1103</th>
<th>Therapeutic Plenary Session</th>
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<tbody>
<tr>
<td><strong>Diagnosis and Treatment of Atypical Parkinsonian Disorders</strong></td>
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<tr>
<td>14:30 – 16:30</td>
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| Chairs: Irene Litvan, USA  
Francois Tison, France |
| Clinical Manifestations of Atypical Parkinsonian Disorders  
Ancillary Investigations for the Diagnosis of Atypical Parkinsonian Disorders  
Therapeutic Options for Atypical Parkinsonian Disorders |
| CSPC Liaison: Wassiliis Meissner, France |
| Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees |

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<tr>
<th>Session 1104</th>
<th>Therapeutic Plenary Session</th>
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<tr>
<td><strong>Recognition and Treatment of Dystonia, Tremor and Ataxia</strong></td>
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<td>17:00 – 19:00</td>
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| Chairs: Antonio Strafella, Canada  
Christine Tranchant, France |
| Therapeutic Options for Dystonia  
Treatment Options for Tremor  
Management of Ataxia |
| CSPC Liaison: Antonio Strafella, Canada |
| Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees |

### 2019 International Congress Theme

At each annual International Congress, the Congress Scientific Program Committee selects a theme that is highlighted throughout the meeting. This year’s theme, *Translating the Science of Movement Disorders into Clinical Practice*, will be showcased in three Plenary Sessions, eleven Parallel Sessions, one Skills Workshop, and one Special Topic Session. International experts will serve as faculty, and the meeting delegates can elect to attend any or all of these sessions.
### Monday, September 23, 2019

#### 2101 Plenary Session

**Presidental Lectures**
8:00 – 10:00

**Chairs:**
- Christopher Goetz, USA
- Claudia Trenkwalder, Germany
- Stanley Fahn Lecture
- Cynthia Comella, USA
- Junior Award Lectures
- To Be Announced
- C. David Marsden Lecture
- Christine Klein, Germany

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

#### 2102 Plenary Session

**Update on Neurosurgical Interventions for Movement Disorders**
10:30 – 12:30

**Chairs:**
- Jean-Philippe Azulay, France
- Stéphane Palfi, France
- Helen Bronte-Stewart, USA
- Lessons Learned and Current Developments in Neuromodulation
- Maria Fiorella Contarino, Netherlands
- Overview on MRI-Focused Ultrasound
- Clement Hamani, Canada

**CSPC Liaison:** Elena Moro, France

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

#### 2203 Parallel Session

**Cognitive Issues in Parkinson's Disease**
15:30 – 17:30

**Chairs:**
- Bruno Dubois, France
- Jennifer Goldman, USA
- Caroline Williams-Gray, United Kingdom
- Antonio Strafella, Canada
- Irena Rektorova, Czech Republic

**CSPC Liaison:** Jennifer Goldman, USA

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

#### 2204 Parallel Session

**Parkinson's Disease and Atypical Parkinsonism: Tauopathies vs. Synucleinopathies**
15:30 – 17:30

**Chairs:**
- Irene Litvan, USA
- Maria Stamelou, Greece
- Stephen Reich, USA
- Lawrence Golbe, USA

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

#### 2205 Science of Industry Session (non-CME)

**See page 14 for complete session information**

#### 2206 Parallel Session

**Ataxia**
15:30 – 17:30

**Chairs:**
- Alexandra Durr, France
- Helio Teive, Brazil
- Hidehiro Mizusawa, Japan
- Alexandra Durr, France
- Ludger Schöels, Germany

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

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This presentation is offered in collaboration with the European Academy of Neurology.
Monday, September 23, 2019

2207 Parallel Session

Tics and Tourette Syndrome: From Bench to Bedside
15:30 – 17:30

Chairs: Andreas Hartmann, France
Davide Martino, Canada

Motor and Behavioral Spectrum of Tics and Tourette Syndrome
Christos Ganos, Germany

Pathophysiology of Tics and Tourette Syndrome
Yulia Worbe, France

Pharmacological and Non-Pharmacological Therapy of Tics and Tourette Syndrome
Davide Martino, Canada

CSPC Liaison: Jean-Christophe Corvol, France

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

2208 Parallel Session

Translating the Science of Functional (Psychogenic) Movement Disorders Into Clinical Practice
15:30 – 17:30

Chairs: Beomseok Jeon, South Korea
Kathrin LaFaver, USA

Connecting Pathophysiology and Risk Factors to Clinical Care in Functional Movement Disorders
Selma Aybek Rusca, Switzerland

Treatment Choices in Functional Movement Disorders: Established and Novel Treatments
Kathrin LaFaver, USA

Putting it Together: How to Develop and Run a Clinical Service for Functional Movement Disorders
Mark Edwards, United Kingdom

CSPC Liaison: Beomseok Jeon, South Korea

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

2309 Teaching Course

Integrated Management of Movement Disorders: The Example of Parkinson’s Disease
15:30 – 17:30

Chairs: Alice Nieuwboer, Belgium
Mayela Rodriguez Violante, Mexico

How to Organize Multidisciplinary Care
Carsten Eggers, Germany

Physical and Occupational and Speech Therapy
Alice Nieuwboer, Belgium

Shifting Management Towards Patient-Centered Care and Empowerment
Maria Piemonte, Brazil

CSPC Liaison: Wassilios Meissner, France

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

This course will be recorded and developed into an online MDS eLearning module that will be available to MDS Members.

2310 Teaching Course

Using Imaging Methods for Movement Disorders
15:30 – 17:30

Chairs: Han-Joon Kim, South Korea
Stephane Lehericy, France

Structural and Functional MRI Imaging
Stephane Lehericy, France

Brain Imaging Using PET and SPECT
Jee-Young Lee, South Korea

Other Novel and Non-CNS Imaging Techniques
Thilo Van Eimeren, Germany

CSPC Liaison: Han-Joon Kim, South Korea

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

This course will be recorded and developed into an online MDS eLearning module that will be available to MDS Members.

2411 Skills Workshop

Advanced Therapies for Movement Disorders: Difficult Cases and Pitfalls
18:00 – 19:30

Tove Henriksen, Denmark
Andrea Kühn, Germany

CSPC Liaisons: Elena Moro, France
Claudia Trenkwalder, Germany

Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees
**Monday, September 23, 2019**

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<tr>
<th>Session Code</th>
<th>Type</th>
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<th>Time</th>
<th>Speakers</th>
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<tr>
<td>2412</td>
<td>Skills Workshop</td>
<td>Using Genetic Tools for Diagnosis</td>
<td>18:00 – 19:30</td>
<td>Hui Fang Shang, People's Republic of China, Matthias Synofzik, Germany</td>
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<td><strong>CSPC Liaison:</strong> Vincenzo Bonifati, Netherlands</td>
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<td><strong>Recommended Audience:</strong> Basic scientists, Clinical academicians, Practitioners, Students/Residents/Trainees</td>
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<td>2413</td>
<td>Skills Workshop</td>
<td>Metabolic Movement Disorders</td>
<td>18:00 – 19:30</td>
<td>Mayela Rodriguez Violante, Mexico, Jennifer Friedman, USA</td>
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<td><strong>CSPC Liaison:</strong> Maria Stamelou, Greece</td>
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<td><strong>Recommended Audience:</strong> Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees</td>
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<td>2514</td>
<td>Video Session</td>
<td>Atypical Parkinsonism</td>
<td>18:00 – 19:30</td>
<td>Gesine Respondek, Germany, Iva Stankovic, Serbia</td>
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<td><strong>CSPC Liaison:</strong> Ryosuke Takahashi, Japan</td>
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<td>2515</td>
<td>Video Session</td>
<td>A Case-Based Approached to Dystonia: What Would You Do?</td>
<td>18:00 – 19:30</td>
<td>Susan Bressman, USA, Joseph Jankovic, USA</td>
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<td><strong>CSPC Liaison:</strong> Steven Frucht, USA</td>
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<td>2616</td>
<td>Special Topics in Movement Disorders</td>
<td>The Future Is Now: Telemedicine in Your Movement Disorders Practice</td>
<td>18:00 – 19:30</td>
<td>Esther Cubo Delgado, Spain, Ali Shalash, Egypt</td>
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<td><strong>CSPC Liaison:</strong> Maria Stamelou, Greece</td>
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<td>2617</td>
<td>Special Topics in Movement Disorders</td>
<td>Gait Disorders: From Pathophysiology to the Clinic</td>
<td>18:00 – 19:30</td>
<td>Klaus Jahn, Germany, Jorik Nonnekes, Netherlands</td>
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<td>2618</td>
<td>Special Topics in Movement Disorders</td>
<td>Induced Pluripotent Stem Cells (iPS) and Organoids: State-of-the-Art</td>
<td>18:00 – 19:30</td>
<td>Agnete Kirkeby, Denmark, Wim Mandemakers, Netherlands</td>
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<td><strong>CSPC Liaison:</strong> Vincenzo Bonifati, Netherlands</td>
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<td><strong>Recommended Audience:</strong> Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees</td>
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</tbody>
</table>
# Tuesday, September 24, 2019

## 3101 Plenary Session

**Tremor Disorders: Challenges and Future Directions**  
8:00 – 9:30  

**Chairs:** Kailash Bhatia, United Kingdom  
Maria Stamelou, Greece  

- Overview of the New Classification Scheme for Tremor  
  Rodger Elble, USA  
- What Do We Know About Etiologies?  
  Peter Bain, United Kingdom  
- Pathophysiology of Tremor: Is Pathophysiology Useful in Diagnosis and Classification?  
  Rick Helmich, Netherlands  

CSPC Liaison: Maria Stamelou, Greece  

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

## 3102 Plenary Session

**Grand Rounds**  
10:30 – 12:30  

**MDS Experts:** Tim Anderson, New Zealand  
Mathieu Anheim, France  
Steven Frucht, USA  
Timothy Lynch, Ireland  

CSPC Liaison: Jean-Christophe Corvol, France  

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

## 3203 Parallel Session

**Psychosis and Hallucinations in Lewy Body Disorders**  
15:30 – 17:30  

**Chairs:** Gilles Fenelon, France  
Simon Lewis, Australia  

- Current Theories on Visual Hallucinations  
  Nico Diederen, Luxembourg  
- Neuroimaging and Visual Hallucinations: A Window Into Their Mechanism  
  Simon Lewis, Australia  
- Management Strategies for Visual Hallucinations and Psychosis  
  Laura Marsh, USA  

CSPC Liaison: Jennifer Goldman, USA  

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

## 3204 Parallel Session

**Challenges in Clinicogenetic Correlations: One Gene - Many Phenotypes; One Phenotype - Many Genes**  
15:30 – 17:30  

**Chairs:** Vincenzo Bonifati, Netherlands  
Enza Maria Valente, Italy  

- One Gene – Many Phenotypes  
  Niccolo Mencacci, USA  
- One Phenotype – Many Genes  
  Aurelie Meneret, France  
- Clinical Implications – Diagnosis and Management Strategies  
  Enza Maria Valente, Italy  

CSPC Liaison: Vincenzo Bonifati, Netherlands  

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

## 3205 Parallel Session

**Myoclonus**  
15:30 – 17:30  

**Chairs:** Marina De Koning-Tijssen, Netherlands  
Steven Frucht, USA  

- The Essential Role of Physiology in Understanding and Evaluating Myoclonus  
  Hiroshi Shibasaki, Japan  
- The Progressive Myoclonic Epilepsies - How Genetics Have Revolutionized Understanding of These Disorders  
  Pierre Genton, France  
- Treatment of Myoclonus: What Is the Evidence?  
  Martje Van Egmond, Netherlands  

CSPC Liaison: Steven Frucht, USA  

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

## 3206 Parallel Session

**Translational Science of Dystonia**  
15:30 – 17:30  

**Chairs:** William Dauer, USA  
Marie Vidailhet, France  

- How Genetics, Cell Biology and Animal Models Informed Our Understanding of Dystonia  
  William Dauer, USA  
- Dystonia as a Network Disorder: How Physiology and Imaging Have Informed Our Understanding of Dystonia  
  Ryuji Kaji, Japan  
- The Mystery of Deep Brain Stimulation in Dystonia: Are We Any Closer to Understanding How it Works?  
  Jill Ostrem, USA  

CSPC Liaison: Carolyn Sue, Australia  

Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees
Tuesday, September 24, 2019

3207 Parallel Session

Drug Repurposing in Parkinson’s Disease
15:30 – 17:30

Chairs:
Wassilios Meissner, France
D. James Surmeier, USA

Recent and Ongoing Clinical Trials with Repurposed Drugs
Michael Schwarzschild, USA

Repurposing Anti-Hypertensive Drugs: Rationale and Clinical Experience
Tatyana Simuni, USA

Insulin Resistance and Diabetes: Repurposing Antidiabetics as Disease Modifying Treatments
Wassilios Meissner, France

CSPC Liaison: Angela Cenci, Sweden
Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

3208 Science of Industry Session (non-CME)

See page 14 for complete session information

3309 Teaching Course

Recognition and Management of Sleep Disturbances in Movement Disorders
15:30 – 17:30

Chairs:
Ron Postuma, Canada
Aleksandar Videnovic, USA

Insomnia and Somnolence in Movement Disorders
Aleksandar Videnovic, USA

Restless Legs Syndrome in Movement Disorders
Juliane Winkelmann, Germany

Parasomnias and Sleep-Related Breathing Disorders in Movement Disorders
Ron Postuma, Canada

CSPC Liaison: Wassilios Meissner, France
Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

3310 Teaching Course

Pediatric Movement Disorders
15:30 – 17:30

Chairs:
Manju Kurian, United Kingdom
Ali Shalash, Egypt

Transient Benign Movement Disorders of Infancy
Emilio Fernández-Alvarez, Spain

Genetic Movement Disorders in Children and Adolescents
Manju Kurian, United Kingdom

Acquired Movement Disorders in Children and Adolescents
Darius Ebrahimifahrafi, USA

CSPC Liaison: Wassilios Meissner, France
Recommended Audience: Basic scientists, Clinical academicians, Practitioners, Students/Residents/Trainees

3411 Skills Workshop

Allied Health Professionals’ Skills for Proactive Patient Management
18:00 – 19:30

Terry Ellis, USA
Sue Thomas, United Kingdom

CSPC Liaison: Alice Nieuwboer, Belgium
Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

3412 Skills Workshop

Clinical Applications of Big Data Analytics in Movement Disorders: Challenges, Promises and Potentials
18:00 – 19:30

Jean-Christophe Corvol, France
Charles Venuto, USA

CSPC Liaison: Roongroj Bhidayasiri, Thailand
Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

3413 Skills Workshop

Monogenetic Hyperkinetic Disorders with Variable Phenotypes
18:00 – 19:30

Martin Paucar Arce, Sweden
Ana Westenberger, Germany

CSPC Liaison: Vincenzo Bonifati, Netherlands
Recommended Audience: Basic scientists, Clinical academicians, Students/Residents/Trainees

3414 Skills Workshop

Eye Movements: A Case-Based Approach
18:00 – 19:30

Vivek Lal, USA
Aasef Shaikh, USA

CSPC Liaison: Roongroj Bhidayasiri, Thailand
Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

3415 Skills Workshop

A Case-Based Approach for Management of Motor Fluctuations and Dyskinesias
18:00 – 19:30

Han-Joon Kim, South Korea
Fabrizio Stocchi, Italy

CSPC Liaison: Maria Stamelou, Greece
Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees
Tuesday, September 24, 2019

3516  Video Session

**Movement Disorder Emergencies**
18:00 – 19:30
Roongroj Bhidayasiri, Thailand
Anna Castrioto, France
CSPC Liaison: Shen-Yang Lim, Malaysia
Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

3617  Special Topics in Movement Disorders

**Axial Movement Disorders: Camptocormia, Pisa Syndrome, Antecollis, and Retrocollis**
18:00 – 19:30
Günther Deuschl, Germany
Michele Tinazzi, Italy
CSPC Liaison: Buz Jinnah, USA
Recommended Audience: Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

3618  Special Topics in Movement Disorders

**How to Become a Successful Movement Disorder Specialist**
18:00 – 19:30
Yves Agid, France
Caroline Tanner, USA
CSPC Liaison: Roland Dominic Jamora, Philippines
Recommended Audience: Clinical academicians, Practitioners, Students/Residents/Trainees

Wednesday, September 25, 2019

4101  Plenary Session

**Predicting Parkinson’s Disease Onset and Progression**
8:00 – 9:30
Chairs: Jean-Christophe Corvol, France
Matthew Stern, USA
What Can Big Cohorts Add to Prediction for Parkinson’s Disease?
Andrew Siderowf, USA
Precision Medicine: Insights from Genetic and Other Biomarkers
Rejko Krueger, Luxembourg
Sleep and Parkinson’s Disease: Prediction and Progression
Friederike Sixel-Doring, Germany
CSPC Liaison: Jean-Christophe Corvol, France
Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

4102  Plenary Session

**Autoimmune Movement Disorders: From Phenomenology to Immunopathogenesis**
10:00 -12:00
Chairs: Jerome Honnorat, France
Carolyn Sue, Australia
How Do I Recognize an Autoimmune Movement Disorder?
Sarosh Irani, United Kingdom
The Pathogenesis of Autoimmune Movement Disorders
Angela Vincent, United Kingdom
Therapeutic Approaches to Autoimmune Movement Disorders
Sean Pittoc, USA
CSPC Liaison: Carolyn Sue, Australia
Recommended Audience: Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees
# Wednesday, September 25, 2019

## 4203 Parallel Session
**Placebos in Parkinson’s Disease and Other Movement Disorders**
- **15:00 – 17:00**
- **Chairs:**
  - Christopher Goetz, USA
  - Olivier Rascol, France
- The Science of Placebo
- The Science of Placebo
- Assessing Placebo Response in Clinical Trials
- Joaquim Ferreira, Portugal
- Harnessing the Power of Placebos in Clinical Practice and Research
- Tiago Mestre, Canada
- **CSPC Liaison:** Jean-Christophe Corvol, France
- **Recommended Audience:** Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

## 4204 Parallel Session
**Huntington’s Disease: From Bench to Bedside**
- **15:00 – 17:00**
- **Chairs:**
  - Sandrine Humbert, France
  - Karen Marder, USA
- The Many Presentations of Huntington’s Disease and the Differential Diagnosis
- Claudia Perandones, Argentina
- The Role of Huntington in Neurodegeneration and Neurodevelopment: What Have We Learned?
- Sandrine Humbert, France
- Current and Future Therapies for Huntington’s Disease
- Sarah Tabrizi, United Kingdom
- **CSPC Liaisons:** Emilia Gatto, Argentina
  - Karen Marder, USA
- **Recommended Audience:** Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

## 4205 Parallel Session
**How to Diagnose Rare Movement Disorders**
- **15:00 – 17:00**
- **Chairs:**
  - Pedro Garcia Ruiz, Spain
  - Emilia Gatto, Argentina
- Clinical Clues for Rare Movement Disorders
- Pramod Pal, India
- Laboratory Clues for Rare Movement Disorders
- Emilia Gatto, Argentina
- Neuroimaging Clues for Rare Movement Disorders
- Pedro Garcia Ruiz, Spain
- **CSPC Liaison:** Shen-Yang Lim, Malaysia
- **Recommended Audience:** Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

## 4206 Parallel Session
**Spasticity: From Bench to Bedside**
- **15:00 – 17:00**
- **Chairs:**
  - Mark Hallett, USA
  - Raymond Rosales, Philippines
- Recognition and Differential Diagnosis of Spasticity
  - Hereditary and Acquired
  - Joerg Wissel, Germany
- The Molecular and Physiological Basis for Spasticity
  - Craig Blackstone, USA
- Recent Advances in the Management of Spasticity
  - Jean-Michel Gracies, France
- **CSPC Liaison:** Buz Jinnah, USA
- **Recommended Audience:** Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees

## 4207 Parallel Session
**Translating Genetic Discoveries into Disease-Modifying Strategies for Parkinson’s Disease**
- **15:00 – 17:00**
- **Chairs:**
  - Alexis Brice, France
  - Carolyn Sue, Australia
- Strategies Targeting Mitochondria
  - Carolyn Sue, Australia
- Is LRRK2 Inhibition a Viable Disease-Modifying Strategy?
  - Mark Cookson, USA
- Strategies for Disease-Modification Targeting GBA
  - Ziv Gan-Or, Canada
- **CSPC Liaison:** Vincenzo Bonifati, Netherlands
- **Recommended Audience:** Basic scientists, Clinical academicians, Practitioners, Students/Residents/Trainees

## 4208 Parallel Session
**Dyskinesia in Parkinson’s Disease: From the Bedside to the Lab Bench**
- **15:00 – 17:00**
- **Chair:**
  - Angelo Antonini, Italy
  - Philippe Damier, France
- Update on the Clinical Phenomenology and Burden of Dyskinesias
  - Oscar Gerstner, Argentina
- Modulation of Dopamine Signaling by Glutamate and Serotonin Receptors
  - Angela Cenci Nilsson, Sweden
- Morphological and Functional Changes of Striatal and Cortical Neurons
  - Masahiko Tomiyama, Japan
- **CSPC Liaison:** Angela Cenci, Sweden
- **Recommended Audience:** Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees
Wednesday, September 25, 2019

4309 Teaching Course **TICKET**
Recognition and Management of Non-Motor Symptoms in Parkinson’s Disease
15:00 – 17:00
Chairs: Bastiaan Bloem, Netherlands
K. Ray Chaudhuri, United Kingdom
Recognition and Management of Neuropsychiatric Disorders
Daniel Weintraub, USA
Recognition and Management of Dysautonomia
Alessandra Fanciulli, Austria
Recognition and Management of Pain and Fatigue
K. Ray Chaudhuri, United Kingdom

4310 Teaching Course **TICKET**
Palliative Care for Parkinson’s Disease
15:00 – 17:00
Chairs: Nicholas Galifianakis, USA
Victor McConvey, Australia
Definition and Models of Palliative Care
Stefan Lorenzl, Germany
Managing Palliative Needs of Patients and Their Caregivers
Nicholas Galifianakis, USA
End-of-Life Care
Miguel Goelho, Portugal

4411 Skills Workshop **TICKET**
Practical Use of the MDS-UPDRS
17:30 – 19:00
Evzen Ruzicka, Czech Republic
Glenn Stebbins, USA

4412 Skills Workshop **TICKET**
Functional (Psychogenic) Movement Disorders
17:30 – 19:00
Isabel Parees, Spain
Jon Stone, United Kingdom

4413 Skills Workshop **TICKET**
Neuromodulation for Movement Disorders: A Case-Based Approach
17:30 – 19:00
Jooji Jimenez-Shahed, USA
Frank Steigerwald, Germany

4414 Skills Workshop **TICKET**
Botulinum Toxins: Difficult Cases and Pitfalls
17:30 – 19:00
Austen Peter Moore, United Kingdom
Raymond Rosales, Philippines

4515 Video Session **TICKET**
Lessons From My Patients
17:30 – 19:00
Francisco Cardoso, Brazil
Janet Rucker, USA

4516 Video Session **TICKET**
Video Demonstration of Pediatric Movement Disorders
17:30 – 19:00
Miryam Carecchio, Italy
Rose Pons, Greece

4617 Special Topics in Movement Disorders **TICKET**
Sleep Disorders: REM Sleep Behavior Disorder
17:30 – 19:00
Michael Howell, USA
Michele Hu, United Kingdom
### Wednesday, September 25, 2019

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<th>Session</th>
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<th>Time</th>
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<tr>
<td>4618</td>
<td><strong>Special Topics in Movement Disorders</strong>&lt;br&gt;Nerve Pressure Hydrocephalus for Movement Disorders Neurologists</td>
<td>17:30 – 19:00</td>
<td>NICE, FRANCE</td>
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**Alfonso Fasano, Canada**<br>**Joachim Krauss, Germany**

CSPC Liaison: Beomseok Jeon, South Korea

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

### Thursday, September 26, 2019

<table>
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<tr>
<th>Session</th>
<th>Title</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>5101</td>
<td><strong>Themed Plenary Session</strong>&lt;br&gt;Synuclein in Parkinson’s Disease and Atypical Parkinsonism: From Bench to Bedside</td>
<td>8:00 – 9:30</td>
<td>NICE, FRANCE</td>
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**Chairs:**<br>**Etienne Hirsch, France**<br>**Werner Poewe, Austria**

- Is Synucleinopathy a Single Entity?<br>**Glenda Halliday, Australia**
- Pathogenic Spreading in the Synucleinopathies<br>**Erwan Bezard, France**
- Clinical Trials in Synucleinopathies<br>**Brit Mollenhauer, Germany**

CSPC Liaison: Etienne Hirsch, France

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

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<tr>
<td>5102</td>
<td><strong>Plenary Session</strong>&lt;br&gt;Controversies in Movement Disorders</td>
<td>10:00 – 11:00</td>
<td>NICE, FRANCE</td>
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**Chairs:**<br>**Oscar Gershanik, Argentina**<br>**Antonio Strafella, Canada**

- Is There a Role for Cannabinoids in Movement Disorders? (YES)<br>**Benzi Kluger, USA**
- Is There a Role for Cannabinoids in Movement Disorders? (NO)<br>**Janis Miyasaki, Canada**
- Early Deep Brain Stimulation in Parkinson’s Disease? (YES)<br>**Patricia Limousin, United Kingdom**
- Early Deep Brain Stimulation in Parkinson’s Disease? (NO)<br>**Beomseok Jeon, South Korea**

CSPC Liaison: Antonio Strafella, Canada

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

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<tr>
<td>5103</td>
<td><strong>Plenary Session</strong>&lt;br&gt;Highlights for 2019: Looking Towards 2020</td>
<td>11:00 – 12:00</td>
<td>NICE, FRANCE</td>
</tr>
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</table>

**Chairs:**<br>**Vincenzo Bonifati, Netherlands**<br>**Christopher Goetz, USA**

- Basic Sciences<br>**Etienne Hirsch, France**
- Clinical Sciences<br>**Claudia Trenkwalder, Germany**

CSPC Liaisons: Vincenzo Bonifati, Netherlands<br>Claudia Trenkwalder, Germany

**Recommended Audience:** Basic scientists, Clinical academicians, Non-physician Health Professionals, Practitioners, Students/Residents/Trainees
### Non-CME Educational Activities

**NEW! Science of Industry Session (non-CME):**
These interactive sessions will provide delegates with a non-CME educational opportunity to learn about novel therapeutic agents under development by industry. Sessions may incorporate basic scientists or clinicians working in industry, and topics may address the biological rationale or development process for specific therapeutics in development within the field of Movement Disorders.

#### Monday, September 23, 2019

2205  **Science of Industry Session (non-CME)**

**Novel Treatment Strategies for Rare Movement Disorders**
15:30 – 17:30

**Chairs:**
David Devos, France  
Buz Jinnah, USA

- PKAN: A Comparison of Multiple Potential Mechanisms and Treatment Strategies for Addressing the Biochemical Defect  
  Thomas Klopstock, Germany
- GLUT1: A Comparison of Treatment Strategies for Bypassing the Glucose Transporter Defect  
  Emmanuel Roze, France
- Reducing Brain Iron in Degenerative Disorders  
  Massimo Pandolfo, Belgium

**CSPC Liaison:** Buz Jinnah, USA

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

#### Tuesday, September 24, 2019

3208  **Science of Industry Session (non-CME)**

**Translating Scientific Discovery into Novel Treatments for Movement Disorders**
15:30 – 17:30

**Chairs:**
Stanley Fahn, USA  
Buz Jinnah, USA

- How Does Industry Decide Which Scientific Discoveries to Pursue?  
  Jesse Cedarbaum, USA
- Targeting LRRK2 for Parkinson’s Disease  
  Carole Ho, USA
- The Biology of Pathological Oscillations in the Brain: Potential Novel Targets for Tremor Disorders?  
  Margaret Lee, USA

**CSPC Liaison:** Buz Jinnah, USA

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