

## Scientific Program

Saturday, 13 May 2023

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| <b>08:00</b>         | <i>Registration opens</i>                                                                                                     |
| <b>09:00 – 12:30</b> | <b>Resident and Fellow Education Program</b><br><i>Chairs:</i> Hubert Fernandez (USA) and Mark Lew (USA)                      |
| 09:00 – 9:30         | Talk 1: Epidemiology, etiology, and diagnosis of Parkinson's disease<br>Speaker: Caroline Tanner (San Francisco, USA)         |
| 09:30 – 10:00        | Talk 2: Treatment of motor symptoms of Parkinson's disease with medications<br>Speaker: Mark Lew (Los Angeles, USA)           |
| 10:00 – 10:30        | Talk 3: Treatment of motor symptoms of Parkinson's disease with surgery<br>Speaker: Joohi Jimenez-Shahed (New York City, USA) |
| <b>10:30 – 10:45</b> | <b>Break</b>                                                                                                                  |
| 10:45 – 11:15        | Talk 4: Treatment of nonmotor symptoms of Parkinson's disease<br>Speaker: Deborah Hall (Chicago, USA)                         |
| 11:15 - 11.45        | Talk 5: Tremor disorders<br>Speaker: Pramod Pal (Bangalore, India)                                                            |
| 11:45 - 12.15        | Talk 6: Hyperkinetic disorders<br>Speaker: Hubert Fernandez (Cleveland, USA)                                                  |
| 12:15 – 12:30        | Question and answer session<br>Moderators: Hubert Fernandez (USA) and Mark Lew (USA)                                          |

## Saturday, 13 May 2023 (continued)

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| <b>12:30 – 13:30</b> | <b>Resident and Trainee Welcome Celebration Lunch</b>                                                                                                                                                                                                                                                |
| <b>13:30 – 15:00</b> | <b>Plenary 1: Changing the Treatment Paradigm in Movement Disorders</b><br>Chairs: Cynthia Comella (Chicago, USA) and Daniel Truong (Fountain Valley, USA)                                                                                                                                           |
| 13:30 – 14:00        | Plenary Session 1a: Parkinson's disease<br>Speaker: Stuart Isaacson (Boca Raton, USA)                                                                                                                                                                                                                |
| 14:00 – 14:30        | Plenary Session 1b: Tremor<br>Speaker: William Ondo (Houston, USA)                                                                                                                                                                                                                                   |
| 14:30 – 15:00        | Plenary Session 1c: Dystonia<br>Speaker: Cynthia Comella (Chicago, USA)                                                                                                                                                                                                                              |
| <b>15:00 – 15:30</b> | <b>Break and Meet Movement Disorder Fellowship Directors</b>                                                                                                                                                                                                                                         |
| <b>15:30 – 17:00</b> | <b>Plenary Session 2: Target Specific and Disease Modifying Therapies</b><br>Chairs: Erik Wolters (Amsterdam, Netherlands) and Etienne Hirsch (Paris, France)                                                                                                                                        |
| 15:30 – 16:00        | Plenary Session 2a: Synucleinopathy and tauopathy<br>Speaker: Lorraine Kalia (Toronto, Canada)                                                                                                                                                                                                       |
| 16:00 – 16:30        | Plenary Session 2b: Huntington Disease<br>Speaker: Cristina Sampaio (Princeton, USA)                                                                                                                                                                                                                 |
| 16:30 – 17:00        | Plenary Session 2c: Other Movement Disorders<br>Speaker: Ryuji Kaji (Tokushima, Japan)                                                                                                                                                                                                               |
| <b>17:00 – 17:15</b> | <b>Break</b>                                                                                                                                                                                                                                                                                         |
| <b>17:15 – 19:00</b> | <b>Opening Ceremony / IAPRD Lifetime Achievement Award / Melvin Yahr Lecture</b><br>IAPRD Lifetime Achievement Award: Stanley Fahn<br><br>IAPRD Melvin Yahr Award Lecture: Deciphering the Genetic Code of Movement Disorders<br>Vincenzo Bonifati (Rotterdam, Netherlands)<br><br>Welcome Reception |

Sunday, 14 May 2023

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| <b>08:00 – 09:30</b> | <b>Plenary Session 3: Surgery in Movement Disorders: What's New?</b><br>Chairs: Elena Moro (Grenoble, France) and Leo Verhagen (Chicago, USA)                                 |                                                                                                                                                    |                                                                                                                                                                              |
| 08:00 – 08:30        | Plenary Session 3a: Use of focused ultrasound lesioning<br>Speaker: Jeff Elias (Charlottesville, USA)                                                                         |                                                                                                                                                    |                                                                                                                                                                              |
| 08:30 – 09:00        | Plenary Session 3b: Deep brain stimulation<br>Speaker: Elena Moro (Grenoble, France)                                                                                          |                                                                                                                                                    |                                                                                                                                                                              |
| 09:00 – 09:30        | Plenary Session 3c: Cell based therapies<br>Speaker: Ryan Uitti (Jacksonville, USA)                                                                                           |                                                                                                                                                    |                                                                                                                                                                              |
| <b>09:30 – 10:30</b> | <b>Break and oral posters</b><br>Coffee with the Professor - Tanya Simuni (Chicago, USA)                                                                                      |                                                                                                                                                    |                                                                                                                                                                              |
| <b>10:30 – 12:00</b> | <b>Parallel Session 1 (Clinical Practice Track): Workshops in Movement Disorders</b><br>Chairs: Alberto Albanese (Milan, Italy) and Joohi Jimenez-Shahed (New York City, USA) | <b>Parallel Session 2 (Clinical Practice Track): Gait Disorders</b><br>Chairs: Bas Bloem (Nijmegen, Netherlands) and Nir Giladi (Tel Aviv, Israel) | <b>Parallel Session 3 (Research/Translational Track): Recent Advances in Nonmotor Symptoms</b><br>Chair: Dan Weintraub (Philadelphia, USA) and Peter Hedera (Nashville, USA) |
| 10:30 – 11:00        | Parallel 1a: Use of botulinum toxin in movement disorders<br>Speaker: Rupam Borgohain (India)                                                                                 | Parallel 2a: Gait in synucleinopathy<br>Speaker: Nir Giladi (Tel Aviv, Israel)                                                                     | Parallel 3a: Dementia<br>Speaker: Melissa Jo Armstrong (Gainesville, USA)                                                                                                    |
| 11:00 – 11:30        | Parallel 1b: Workshop on DBS programming<br>Speaker: Benjamin Walter (Cleveland, USA)                                                                                         | Parallel 2b: Gait in tauopathy<br>Speaker: Farwa Ali (Rochester, USA)                                                                              | Parallel 3b: Psychosis<br>Speaker: Dan Weintraub (Philadelphia, USA)                                                                                                         |
| 11:30 – 12:00        | Parallel 1c: Workshop on pump technologies<br>Speaker: Angelo Antonini (Padua, Italy)                                                                                         | Parallel 2c: Gait in normal pressure hydrocephalus (NPH) and other disorders<br>Speaker: Philip Tipton (Jacksonville, USA)                         | Parallel 3c: Autonomic<br>Speaker: Peter Hedera (Nashville, USA)                                                                                                             |
| <b>12:00 – 14:00</b> | <b>Lunch</b>                                                                                                                                                                  |                                                                                                                                                    |                                                                                                                                                                              |

## Sunday, 14 May 2023 (continued)

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| <b>14:00 – 15:30</b> | <b>Plenary Session 4: Parkinson's Disease Progression and Biomarkers</b><br>Chairs: Tanya Simuni (USA) and Un Kang (USA)                                                            |                                                                                                                                                        |                                                                                                                                                               |
| 14:00 – 14:30        | Plenary Session 4a: Challenges in measuring clinical disease progression in PD: Lessons from PPMI and clinical trials<br>Speaker: Tanya Simuni (Chicago, USA)                       |                                                                                                                                                        |                                                                                                                                                               |
| 14:30 – 15:00        | Plenary Session 4b: Neuroimaging biomarkers: SPECT vs MRI<br>Speaker: Jon Stoessl (Vancouver, Canada)                                                                               |                                                                                                                                                        |                                                                                                                                                               |
| 15:00 – 15:30        | Plenary Session 4c: Other biomarkers (skin, CSF, blood, etc.)<br>Speaker: Yaroslau Compta (Barcelona, Spain)                                                                        |                                                                                                                                                        |                                                                                                                                                               |
| <b>15:30 – 16:00</b> | <b>Coffee Break</b>                                                                                                                                                                 |                                                                                                                                                        |                                                                                                                                                               |
| <b>16:00 – 17:30</b> | <b>Parallel 4 (Clinical Practice Track):<br/>Management of Resistant Parkinson Disease Symptoms</b><br>Chair: Alberto Albanese (Milan, Italy) and Bas Bloem (Nijmegen, Netherlands) | <b>Parallel 5 (Education Track): Updates in Essential Tremor</b><br>Chairs: Daniel Kremens (Philadelphia, USA) and Joaquim Ferreira (Lisbon, Portugal) | <b>Parallel 6 (Clinical Practice Track):<br/>Infectious and Autoimmune Movement Disorders</b><br>Chairs: Alfonso Fasano (Canada) and Jaroslaw Stawek (Poland) |
| 16:00 – 16:30        | Parallel 4a: Sleep-wake disturbances<br>Speaker: Simon Lewis (Sydney, Australia)                                                                                                    | Parallel 5a: Diagnosis<br>Speaker: Elan Louis (Dallas, USA)                                                                                            | Parallel Session 6a: COVID-19 and movement disorders<br>Speaker: Alfonso Fasano (Toronto, Canada)                                                             |
| 16:30 – 17:00        | Parallel 4b: Balance and falls<br>Speaker: Beom Seok Jeon (Seoul, South Korea)                                                                                                      | Parallel 5b: Deep brain stimulation vs. focused ultrasound<br>Speaker: Raul Martinez-Fernandez (Madrid, Spain)                                         | Parallel Session 6b: Infectious movement disorders<br>Speaker: Ai Huey Tan (Kuala Lumpur, Malaysia)                                                           |
| 17:00 – 17:30        | Parallel 4c: Diagnosis of speech and swallowing problems in PD<br>Speaker: Ailton Melo (Bahia, Brazil)                                                                              | Parallel 5c: Drug treatment present and future<br>Speaker: Joaquim Ferreira (Lisbon, Portugal)                                                         | Parallel Session 6c: Autoimmune movement disorders<br>Speaker: Bettina Balint (Zurich, Switzerland)                                                           |
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| <b>18:00 – 19:30</b> | <b>IAPRD Annual General Business Meeting</b>                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                               |

Monday, 15 May 2023

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| <b>08:00 – 09:30</b> | <b>Plenary Session 5: Genetics and Movement Disorders</b><br>Chairs: Zbigniew Wszolek (Jacksonville, USA) and Christine Klein (Lübeck, Germany)                                                          |                                                                                                                                                              |                                                                                                                                                                                    |
| 08:00 – 08:30        | Plenary Session 5a: Parkinson's disease genes and the role of routine clinical testing<br>Speaker: Jaroslaw Dulski (Jacksonville, USA)                                                                   |                                                                                                                                                              |                                                                                                                                                                                    |
| 08:30 – 09:00        | Plenary Session 5b: Should genetic status influence treatment in Parkinson's disease?<br>Speaker: Andreas Puschmann (Lund, Sweden)                                                                       |                                                                                                                                                              |                                                                                                                                                                                    |
| 09:00 – 09:30        | Plenary Session 5c: Genetic testing in other movement disorders<br>Speaker: Christine Klein (Lübeck, Germany)                                                                                            |                                                                                                                                                              |                                                                                                                                                                                    |
| <b>09:30 – 10:30</b> | <b>Break and Oral posters</b><br><b>Coffee with the Professor – Oksana Suchowersky (Canada)</b>                                                                                                          |                                                                                                                                                              |                                                                                                                                                                                    |
| <b>10:30 – 12:00</b> | <b>Parallel Session 7 (Clinical Practice Track): Video Workshop on Diagnostic Approach to Patients with Hyperkinetic Syndromes</b><br>Chairs: Pramod Pal (Bangalore, India) and Ruth Walker (Bronx, USA) | <b>Parallel Session 8 (Education Track): Career Enhancement Workshop</b><br>Chairs: Un Kang (New York City, USA) and Talene Yacoubian (Birmingham, USA)      | <b>Parallel Session 9 (Research/Translational Track): Update of Atypical Parkinsonian Syndromes</b><br>Chairs: Horacio Kaufmann (New York, USA) and Anne-Marie Wills (Boston, USA) |
| 10:30 – 11:00        | Parallel 7a: Dystonias<br>Speaker: Sarah Pirio Richardson (Albuquerque, USA)                                                                                                                             | Parallel 8a: Conducting clinical trials<br>Speaker: Claire Henchcliffe (Irvine, USA)                                                                         | Parallel 9a: Multiple system atrophy<br>Speaker: Horacio Kaufmann (New York, USA)                                                                                                  |
| 11:00 – 11:30        | Parallel 7b: Ataxias<br>Speaker: Shinsuke Fujioka (Fukuoka, Japan)                                                                                                                                       | Parallel 8b: If I had to do it all over again<br>Panel members: Marie Saint-Hilaire (Boston, USA), Fereshte Adib Saberi (Hamburg, Germany), Ryan Uitti (USA) | Parallel 9b: Progressive supranuclear palsy<br>Speaker: Irene Litvan (San Diego, USA)                                                                                              |
| 11:30 – 12:00        | Parallel 7c: Episodic and other rare movement disorders<br>Speaker: Anhar Hassan (Dublin, Ireland)                                                                                                       | Parallel 8c: Setting up a multidisciplinary team<br>Speaker: Diego Torres-Russotto (Omaha, USA)                                                              | Parallel 9c: Lewy body dementia<br>Speaker: John O'Brien (Cambridge, UK)                                                                                                           |

## Monday, 15 May 2023 (continued)

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| 12:00 – 14:00 | Lunch                                                                                                                                                                                                                                  |                                                                                                                                                                                |                                                                                                                                                                     |
| 14:00 – 16:00 | <b>Plenary Session 6: Grand Parade of Movement Disorders Video Session</b><br>Chairs: Ruth Walker (Bronx, USA) and Kailash Bhatia (London, UK)<br>Faculty panel: Mark Hallett (Bethesda, USA) and Bettina Balint (Zurich, Switzerland) |                                                                                                                                                                                |                                                                                                                                                                     |
| 16:00 – 16:15 | Break                                                                                                                                                                                                                                  |                                                                                                                                                                                |                                                                                                                                                                     |
| 16:15 – 17:45 | <b>Parallel Session 10 (Clinical Practice Track): Neurotoxins</b><br>Chairs: Jaroslaw Stawek (Poland) and Dirk Dressler (Germany)                                                                                                      | <b>Parallel Session 11 (Education Track): Skills Workshop in Deep Brain Stimulation</b><br>Chair: Daniel Martinez-Ramirez (Monterrey, Mexico) and Zoltan Mari (Las Vegas, USA) | <b>Parallel Session 12 (Clinical Practice Track): Drug-Related Movement Disorders</b><br>Chairs: Karen Frei (Loma Linda, USA) and Joseph Friedman (Providence, USA) |
| 16:15 – 16:45 | Parallel 10a: Update on available botulinum neurotoxins<br>Speaker: Dirk Dressler (Germany)                                                                                                                                            | Parallel 11a: Current hardware and adaptive stimulation<br>Speaker: Zoltan Mari (Las Vegas, USA)                                                                               | Parallel 12a: Acute syndromes<br>Speaker: Joseph Friedman (Providence, USA)                                                                                         |
| 16:45 – 17:15 | Parallel 10b: Novel and controversial indications for botulinum neurotoxins<br>Speaker: Raymond Rosales (Manila, Philippines)                                                                                                          | Parallel 11b: New programming algorithms and teleprogramming<br>Speaker: Raja Mehanna (Houston, USA)                                                                           | Parallel 12b: Tardive syndromes<br>Speaker: Karen Frei (Loma Linda, USA)                                                                                            |
| 17:15 – 17:45 | Parallel 10c: Immuno-resistance to botulinum toxin: is it important?<br>Speaker: Hyder Jinnah (Atlanta, USA)                                                                                                                           | Parallel 11c: Non-PD and ET indications in movement disorders<br>Speaker: Philippe Salles-Gándara (Santiago, Chile)                                                            | Parallel 12c: Drug-induced parkinsonisms<br>Speaker: Daniel Kremens (Philadelphia, USA)                                                                             |
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Tuesday, 16 May 2023

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| <b>08:00 – 09:00</b> | <b>Plenary Session 7: The Current Symptomatic Treatment of Parkinson Disease: Lessons from the Latest Guidelines</b><br>Chairs: Robert Hauser (Tampa, USA) and Teus van Laar (Netherlands)                                                                                                                                                                       |
| 08:00 – 08:30        | Plenary 7a: Guidelines from the American Academy of Neurology<br>Speaker: Janis Miyasaki (Alberta, Canada)                                                                                                                                                                                                                                                       |
| 08:30 – 09:00        | Plenary 7b: Guidelines from the European Academy of Neurology / International Movement Disorder Society – European section<br>Speaker: Angelo Antonini (Padua, Italy)                                                                                                                                                                                            |
| <b>09:00 – 10:30</b> | <b>Special Plenary: Celebration of 30 Years of Deep Brain Stimulation</b><br>Chairs: Elena Moro (France) and Leo Verhagen (USA)                                                                                                                                                                                                                                  |
| 09:00 – 09:20        | Special Plenary a: History of deep brain stimulation<br>Speaker: Elena Moro (Grenoble, France)                                                                                                                                                                                                                                                                   |
| 09:20 – 09:40        | Special Plenary b: Deep brain stimulation in the present<br>Speaker: Joohee Jimenez-Shahed (New York City, USA)                                                                                                                                                                                                                                                  |
| 09:40 – 10:10        | <b>DBS 30-Year Celebration Break</b>                                                                                                                                                                                                                                                                                                                             |
| 10:10 – 10:30        | Special Plenary c: Future of deep brain stimulation<br>Speaker: Ioannis Isaias (Germany and Italy)                                                                                                                                                                                                                                                               |
| <b>10:30 – 11:30</b> | <b>Plenary Session 8: Device Interventions in the Treatment of Movement Disorders</b><br>Chair: Diego Torres-Russotto (Omaha, USA) and Ioannis Isaias (Germany and Italy)                                                                                                                                                                                        |
| 10:30 – 11:00        | Plenary 8a: Infusion therapies<br>Speaker: Marcelo Merello (Buenos Aires, Argentina)                                                                                                                                                                                                                                                                             |
| 11:00 – 11:30        | Plenary 8b: Ultrasound<br>Speaker: Leo Verhagen (Chicago, USA)                                                                                                                                                                                                                                                                                                   |
| <b>11:30 – 12:10</b> | <b>Most Downloaded Papers in <i>Parkinsonism and Related Disorders</i> and <i>Clinical Parkinsonism and Related Disorders</i></b><br>Chairs: Hubert Fernandez (Cleveland, USA), Vincenzo Bonifati (Netherlands), and Huifang Shang (China)<br>Speaker PRD journal: Deborah Hall (Chicago, USA)<br>Speaker CPRD journal: Marie-Helene Saint Hilaire (Boston, USA) |

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| 12:10 – 12:40 | <b>IAPRD 2022 Congress Awards and Closing Ceremony</b><br>Chair: Ron Pfeiffer (Portland, USA) |
|               | <b>Departures</b>                                                                             |