2017-18 MDS Global and Regional Support Opportunities

Industry partners enable the International Parkinson and Movement Disorder Society (MDS) to educate more than 11,000 physicians and other health care professionals each year. This prospectus shares the Society’s upcoming educational and research activities, showing the range of MDS programming. We hope that you will identify those specific projects that will best forward your objectives.

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Opportunities at a Glance

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- School for Young Neurologists: Kuwait City, Kuwait, October 2-3, 2017
- 3rd Middle East Camp for Parkinson’s, Movement Disorders and Neuromodulation: Dubai, UAE, October 5-7, 2017
- MDS-AOS Basic Science Summer School: Osaka, Japan, TBD
- Neuroimaging Educational Course: Hong Kong, China, October 4, 2018

European Section:
- Advanced Deep Brain Stimulation for Movement Disorders: Grenoble, France, October 12-13, 2017 and Barcelona, Spain, October 2018
- Management of Advanced Parkinson’s Disease with Infusion Therapies: Venice, Italy, October 26-27, 2017; 2 sessions to be held in 2018
- Tremor from Basic Science to Clinical Diagnosis and Therapy: Budapest, Hungary, November 10-11, 2017
- MDS-ES 7th Winter School for Young Neurologists: Bordeaux, France, February 2-4, 2018
- Huntington’s Disease/Chorea: Poznan, Poland, May 25-26, 2018
- MDS-ES 11th Summer School for Young Neurologists: Copenhagen, Denmark
- 2nd Summer School on Neuromodulation for Movement Disorders: Wurzberg, Germany, TBD
- MDS-ES Basic Science School: Stockholm, Sweden, September 2018
- Movement Disorders in Children and Young Adults: Groningen, Netherlands, November 23-25, 2018

Pan-American Section:
- School for Young Neurologists: Porto Alegre, Brazil, December 1-3, 2017; Ann Arbor, MI, USA, May 10-12, 2018
- The Health Professional Allied Team Training for Parkinson’s (ATTP): Chicago, IL, November 8-10, 2017; Vancouver (Richmond), BC, Canada, April 4-6, 2018
- 1st Peruvian Parkinson’s and Movement Disorders Course: Lima, Peru, January 11-12, 2018
- Hyperkinetic Movement Disorders Course: Salt Lake City, UT, USA, March 9-10, 2018
- Parkinson’s Disease and Other Movement Disorders: Update 2018, San Diego, CA, USA, March 17, 2018
- Neuropsychiatric Issues in Lewy Body Disorders, Chicago, IL, USA, May 11-13, 2018
- Allied Health Professionals School, Puebla, Mexico, May 24-25, 2018
- 2nd Pan American Congress of Parkinson’s Disease and Movement Disorders: Miami, FL, USA, June 22-24, 2018
- 28th Comprehensive Review of Movement Disorders for the Clinical Practitioner: Aspen, CO, USA, July/August 2018
- Deep Brain Stimulation, Ottawa, ON, Canada, September 7-8, 2018
- Neuroscience of Movement Disorders, San Diego, CA, USA, November 1-2, 2018
- Ataxias and Spastic Paraplegias: From Molecular Biology to Bedside and Treatment, Sao Paulo, Brazil, TBD
Research Projects

Society committees, task forces and special interest groups pursue projects to further the Movement Disorders field. Sponsors will be acknowledged on any articles published as a result of the project.

MDS Scale on Psychosis in Parkinson’s disease

This study will develop a validated rating scale for Parkinson’s disease Psychosis (PDP) employing best clinimetrics practices. Currently, we conceptualize this new scale as a severity measure; however, it may incorporate a diagnostic measure as well. Best clinimetrics practices include: using a modified Delphi approach and focus group methods for definition of the domains of importance and specific scale items to assess PDP; cognitive pretesting of potential items to identify problematic wording and logical structure at the item level; and assessment of reliability and validity of the assessment method at the scale level. To accomplish this goal, we propose the following study aims:

1. Identify the domains of interest and potential scale items that could be used to assess PDP.
2. Perform cognitive pretesting on the proposed scale items to determine clarity, comfort, and ease of use for raters and patients/caregivers in using the scale items.
3. Conduct clinimetrics investigations of the optimized rating scale and individual scale items for PDP in a cohort of patients demonstrating a range of psychotic symptoms.

Glenn Stebbins, Ph.D. of Rush University is the primary investigator of the two-year project. MDS is seeking $500,000 for the initial steps of the project.

Development of a Resource Utilization Questionnaire for Patients with Parkinson’s disease and Their Caregivers (MDS-RU-PD)

Currently no validated instrument/model exists to evaluate the resource use and costs associated with patients with Parkinson’s disease. The data from different health economic evaluations and cost of illness studies vary considerably, limiting exact conclusions that can be drawn from such results. One reason for the considerable discrepancies in available cost data on Parkinson’s disease, and in general, in the health economic literature stems from the methods for collecting data differ substantially within and between countries.

A team consisting of health economists, Movement Disorders specialists, psychologists, and statisticians with significant experience in their respective area will develop a new scale including medical, nonmedical, indirect and intangible costs. The scale will initially be developed and validated in German and English. The resulting scale will then be validated by trial in ten countries. Translation into additional languages is possible upon completion. The effort will be led by Prof. Richard Dodel of University Marburg and Dr. Anette Schrag of University College London. We are seeking a multiple funders for the project’s total budget of $820,000 USD.

Analysis of Non-English Translations of the MDS-Unified Parkinson's disease Rating Scale

The MDS-UPDRS was developed by the Society to be a comprehensive clinical rating scale covering motor and non-motor elements of Parkinson’s disease (PD) and has been designated by the NIH Common Data Elements as the recommended scale for the overall assessment of PD. In the development of new treatments for PD, large-scale clinical trials are required by regulatory agencies. Most trials involve multiple countries and languages, and although originally written and tested in English, the clinimetric program for MDS-UPDRS includes a process to provide validated non-English translations for cross-cultural and cross-language clinical trials. To date, sixteen non-English versions are officially validated and nine other programs are in the testing stage.

By analyzing the official non-English translations of the MDS-UPDRS, this project will identify different translation "packages" which provide the best combination of languages and subject demographics to
decrease measurement error and increase sensitivity to change. It will also provide a data-driven set of specific guidelines for researchers using the MDS-UPDRS on how to resolve inadvertent missing values without loss of useful total scores of each part of the MDS-UPDRS. This project is led by Sheng Lou, PhD (University of Texas); Nancy LaPelle (University of Massachusetts); Pablo Martinez-Martin (Carlos III Institute of Health); and Christopher Goetz, MD and Glenn Stebbins, PhD (Rush University). We are seeking a single funder for the project’s total budget of $100,000 USD.

**Development of the MDS–Non-Motor Symptoms Scale (MDS-NMSS)**

MDS is seeking to revise the NMSS Scale developed in 2006. Taking into account:

1. The use of NMSS in clinical trials and clinical practice.
2. The experience of clinical raters who have used the NMSS in relation to the use of individual questions contained within the NMSS.
3. Feedback from patient groups in relation to the use of NMSS in “real life.”
4. Experience of correlation of NMSS items flagged in NMS questionnaire (NMSQ).

Based on this review, a revised scale will be written in English and translated to Italian, German and Spanish. The scale will be tested on a total of 735 participants at 9 sites in 7 countries.

This project is led by K. Ray Chaudhuri (King’s College Hospital), Pablo Martinez-Martin (Carlos III Institute of Health), Anette Schrag (Royal Free and University College), and Dan Weintraub (University of Pennsylvania). We are seeking a single funder for the project’s total budget of $425,000 USD.

**Industry Resources on the MDS Website**

Reach physicians, researchers or patients by placing an educational resource on the Industry Resources page of the MDS website. Examples include referral criteria and tools or clinical trial results. We are seeking multiple sponsors at $50,000 USD each to include their resource for one year.

**MDS LEAP Program: International Leaders Program for Young Neurologists**

The LEAP Program supports the growth, development and success of young movement disorder specialists while preparing them to contribute to the goals and objectives of MDS. We will accomplish this by teaching the principles of leadership to twelve young movement disorder specialists across the globe and pairing them with a mentor. We are seeking multiple funders at $10,000-$20,000 USD each.

**Computer-Based Education**

Computer-based education programs enable participants to receive Continuing Medical Education (CME) credit while learning from leading clinicians without leaving their home or office. MDS members may take modules without cost as a member benefit and non-members may purchase individual sessions. We are seeking multiple funders at $10,000 or more. Sponsors will be acknowledged on marketing materials and the computer-based education program homepage.

**22nd International Congress on Parkinson’s Disease and Movement Disorders**

The 22nd International Congress on Parkinson’s Disease and Movement Disorders will occur October 5-9, 2018 in Hong Kong. Sponsorship, advertising and exhibiting information is available on the Congress website ([www.mdscongress.org](http://www.mdscongress.org)).
Regional Courses (sorted by date)

School for Young Neurologists:

Kuwait City, Kuwait, October 2-3, 2017
Porto Alegre, Brazil, December 1-3, 2017
Bordeaux, France, February 2-4, 2018
Ann Arbor, MI, USA, May 10-12, 2018
Copenhagen, Denmark, June 6-8, 2018
Lima, Peru, November 16-18, 2018

The course is an opportunity for Young Neurologists to receive in-depth instruction from internationally-recognized Movement Disorders experts and increase general enthusiasm for Movement Disorders as an exciting discipline in the field of neurology. Students will present their own case-study videos to small groups for discussion and critique, and will be involved in group presentations and case discussions. Topics will focus on Parkinsonism, Hyperkinetic disorders and complex issues in Movement Disorders.

- The intended audience is Young Neurologists within five years of completion of general neurological training who are interested in specializing in Movement Disorders and Young Neurologists who are already enrolled in Movement Disorders training.
- We anticipate 30-58 participants per session.
- Support is sought from multiple sponsors in the amount of $5,000 or more each.

3rd Middle East Camp for Parkinson’s, Movement Disorders and Neuromodulation: Dubai, UAE, October 5-6, 2017

The course is intended to provide up to date discussions about the field of Parkinson’s disease and other Movement Disorders as its rapidly evolving and all available advance therapies in the field in the underserved Middle Eastern region. In addition to the previously successful Medical Track agenda during the 1st and 2nd year camps, this year, the curriculum will include an Allied Health track. The course will continue to focus on unmet needs in more detail based on subsequent course evaluations.

- The intended audience is Movement Disorder Neurologists, General Neurologists, Geriatricians, Neurosurgeons, Allied Health Professionals and Neurologists in-training in the AOS region and primarily the Middle East.
- We anticipate 150 participants.
- Support is sought from multiple sponsors in the amount of $5,000 or more each.

Advanced Deep Brain Stimulation for Movement Disorders:

Grenoble, France, October 12-13, 2017
Barcelona, Spain, 2018 date to be determined

Deep Brain Stimulation (DBS) has been proven an effective treatment for Parkinson’s disease and dystonia in over 150,000 patients worldwide. As such, General Neurologists will be increasingly confronted with the management of these surgical patients, who suffer from chronic neurological conditions, thus requiring lifelong care. The course will focus on standards of care in the preoperative, intraoperative and postoperative patient management, a comparison of programming options in different DBS devices, advanced programming options including visualized programming tools, and troubleshooting for failed DBS surgery and various therapy related adverse effects.

- The intended audience is Movement Disorder specialists, functional neurosurgeons, nurse practitioners, and trainees who are already involved in the selection, intra- or postoperative management of patients with movement disorders (tremor, dystonia, Parkinson’s disease, etc.) treated by deep brain stimulation surgery and want to strengthen their knowledge in this field.
- We anticipate 50 participants.
- Support is sought from multiple sponsors in the amount of $10,000 or more each.
Management of Advanced Parkinson’s Disease with Infusion Therapies:
Venice, Italy, October 26-27, 2017
Two sessions to be held in Europe in 2018
This course will provide the theoretical education and practical experience in the management of pump-based treatments for advanced Parkinson’s disease (Levodopa-carbidopa intestinal gel and Apomorphine). It also includes lectures on history, experimental basis, patient selection, effects, side effects and practical management, as well as, interactive workshops on patient selection and practical management.
- Neurologists, Gastroenterologists and Parkinson disease nurses from European, North African and Middle Eastern countries.
- We anticipate 50 participants.
- Support is sought from multiple sponsors in the amount of $7,500 or more each.

The Health Professional Allied Team Training for Parkinson’s (ATTP):
Chicago, IL, USA, November 8-10, 2017
Vancouver (Richmond), BC, Canada, April 4-6, 2018
The Allied Team Training for Parkinson’s course is based on the Parkinson Foundation ATTP training program. Prior to the course, each registrant will complete three online preparatory modules that include an overview of PD, interdisciplinary care teams, and neuropsychiatric symptoms and management. The three day course will include a Parkinson’s disease update, interaction with a panel of early stage PD patients and “linking back to the workplace”, wherein teams and individual participants make very specific plans for implementation of that which they have learned.
- The target audience is physicians, nurses, nurse practitioners, occupational therapists, physician assistants, physical therapists, speech language pathologists, and social workers.
- We anticipate 90 participants.
- Support is sought from multiple sponsors in the amount of $2,500 or more each.

Tremor from Basic Science to Clinical Diagnosis and Therapy: Budapest, Hungary, November 10-11, 2017
This course reviews evidence based results and speakers’ experiences from the basic science and clinical points of view and will involve the new tremor classification scheme being developed by the International Parkinson and Movement Disorder Society. The course also focuses on the approach to pharmacotherapy and discusses the neurosurgical procedures with emphasis on deep brain stimulation. Video case reports submitted by the participants will be presented at the end of the program precipitating further discussions.
- The intended audience is Movement Disorder Specialists, General Neurologists, Functional Neurosurgeons, Trainees, and General Practitioners.
- We anticipate 100 participants.
- Support is sought from multiple sponsors in the amount of $5,000 or more each.

1st Peruvian Parkinson’s and Movement Disorders Course: Lima, Peru, January 11-12, 2018
The main goal of this course is to create awareness and education in the medical field about Movement Disorders. This course will discuss epidemiology, physiopathology, clinical manifestation, early and advance management, as well as future directions. This will be a highly interactive course with audience participation, question and answer time and patient videos on clinical cases.
- The intended audience is Neurologists, Internal Medicine, General Practitioners, Psychologists, Therapists and Nurses residing in Brazil, Colombia, Ecuador and Peru.
- We anticipate 120 participants.
- Support is sought from multiple sponsors in the amount of $5,000 or more each.
Hyperkinetic Movement Disorders Course, Salt Lake City, UT, USA, March 9-10, 2018
This course will provide an educational overview of Hyperkinetic movement disorders ranging from
diagnosis and treatment of particular disorders to sessions on particular pediatric movement disorders and
genetic testing of these disorders. The course will cover topics such as spinocerebellar ataxia, myoclonus,
dystonia, Huntington disease, genetic testing, tics, and pediatric movement disorders.
The topics will be covered using a variety of sessions including a video session, small groups, interactive
sessions, and panel of expert’s discussion.
• The intended audience is Movement Disorder Specialists, Residents and Fellows interested in
  movement disorders, and Allied Health Professionals.
• We anticipate 40 participants
• Support is sought from multiple sponsors in the amount of $5,000 or more each.

Parkinson’s Disease and Other Movement Disorders: Update 2018, San Diego, CA, USA, March 17, 2018
Parkinson’s Disease and Other Movement Disorders: Update 2018 is a mini-symposium sponsored by the
MDS for our colleagues in the American Association of Neuroscience Nurses as a pre-conference session of
their annual convention. The program will provide a brief but intensive update on our current understanding
of Parkinson’s disease pathophysiology, clinical presentation and treatment options.
• The intended audience is neuroscience nurses with interest in a clinical update on Parkinson’s
disease.
• We anticipate 40 participants
• Support is sought from multiple sponsors in the amount of $2,500 or more each.

Allied Health Professionals School, Puebla, Mexico, May 2018
Additional Information is forthcoming

Neuropsychiatric issues in Lewy body disorders, Chicago, IL, USA, May 2018
This course is an opportunity for those interested in cognitive, mood, and behavioral complications of
Lewy body disorders to learn more. While many movement disorder courses include neuropsychiatric
symptoms in their program, this topic is often covered very briefly and superficially. This course will
provide 2 days dedicated to the diagnosis, management, and up-to-date research regarding
neuropsychiatric features in Lewy body disorders. This course will instruct attendees on how to identify
neuropsychiatric features and manage them. The course will also discuss recent research updates and
future directions on understanding neuropsychiatric issues in Lewy body disorders. Participants will
attend lectures and case-based discussions on these topics.
• The intended audience is Movement Disorder Specialists, General Neurologists, Psychiatrists,
  Geriatric Psychiatrists, Neuropsychologists, Psychologists, Internal Medicine/Primary Care
  Physicians, Geriatricians, Allied Health Professionals, and Trainees in these disciplines.
• We anticipate 100-150 participants
• Support is sought from multiple sponsors in the amount of $5,000 or more each.

Huntington’s Disease and Chorea, Poznan, Poland, May 25-26, 2018
Additional information is forthcoming.

2nd Pan American Parkinson’s Disease and Movement Disorders Congress, Miami, FL, USA, June
22-24, 2018
The 2nd Pan American Parkinson’s Disease and Movement Disorders Congress will serve as an
opportunity to discuss relevant issues in our field that are specific to the Pan American Section (PAS).
Dialogue will occur through plenary lectures, workshops and poster sessions. This will also be a
tremendous opportunity for MDS-PAS members to network with colleagues from different parts of Pan
America. We anticipate 500 delegates from throughout the Americas and Caribbean. For more
information, including the Sponsor and Exhibit Prospectus, please visit: www.pascongress2018.org.
The 28th Comprehensive Review of Movement Disorders for the Clinical Practitioner: Aspen, Colorado, July/August 2018
The course is designed to discuss the classification of Movement Disorders, their differential diagnosis, and their treatment. The curriculum also covers the phenomenology, pathophysiology, pathogenesis, epidemiology, genetics, and other aspects of the entire field of Movement Disorders. This material will be presented in four morning and two evening sessions utilizing didactic lectures, clinical discussion, case presentation, and video demonstrations.
- The intended audience is General Neurologists, Neurology Residents, Movement Disorders Fellows, and Health Professionals wishing to enhance their knowledge of Movement Disorders.
- We anticipate 225 participants.
- Support is sought from multiple sponsors in the amount of $10,000 or more each.

Deep Brain Stimulation, Ottawa, ON, Canada, September 7-8, 2018
Additional information is forthcoming

Basic Science School, Stockholm, Sweden, September, 2018; Osaka, Japan, TBD
The course will confront the next generation of Basic Scientists and Young Clinicians with the latest advances of preclinical disciplines in Movement Disorders. The goal of this course is to create a common language to generate ideas that will allow the development of new translational projects developed by the next generation of researchers in movement disorders during morning lectures and afternoon group discussion sections.
- The intended audience is Young General Neurologists, Young Movement Disorder Specialists, Graduate Students, Post-doctoral Students and Junior Scientists all younger than 40 years old.
- We anticipate 60 participants.
- Support is sought from multiple sponsors in the amount of $5,000 or more each.

MDS-AOS Neuroimaging Course, Hong Kong, October 4, 2018
This course has been conceived in light of the work being conducted by the MDS Neuroimaging Study Group. The course will give an opportunity for scientists and clinicians to be upskilled on the latest advances in the field of Neuroimaging across multi-modal techniques. The meeting will be conducted as a series of lectures but there is good opportunity both during the meeting but also at the subsequent MDS congress for cross-fertilization and collaboration.
- The intended audience is Neurologists and other physicians managing Parkinson’s and related conditions as well as Basic Scientists across neurodegeneration, imaging, physics, engineering, and radiochemistry.
- We anticipate 200 participants.
- Support is sought from multiple sponsors in the amount of $5,000 or more each.

Neuroscience of Movement Disorders 2018 – San Diego, CA, USA, November 1-2, 2018
Additional information is forthcoming

Ataxias and Spastic Paraplegias from Molecular Biology to Bed Side and Treatment Sao Paulo, Brazil, November 2018
Additional information is forthcoming

Movement Disorders in Children and Young Adults, Groningen, Netherlands, November 23-25, 2018
Additional information is forthcoming
Additional Courses To Be Scheduled

Physiotherapy Summer School: Berlin, Germany, TBD

The Physiotherapy Summer School is a two and a half day course which intends to improve the evaluation, clinical reasoning and treatment skills of graduated physiotherapists in order to optimize the delivery of exercise programs for patients with Parkinson’s disease and related disorders.

- The intended audience is Physiotherapists who want to specialize in treating patients with Parkinson’s disease or atypical Parkinsonism.
- We anticipate 40 participants.
- Support is sought from multiple sponsors in the amount of $5,000 or more each.

2nd Summer School on Neuromodulation for Movement Disorders, Wurzburg, Germany, TBD

This course provides an overview on neuromodulation techniques with hands-on sessions, in particular concerning deep brain stimulation (DBS), in the Institute where DBS was pioneered 30 years ago. Students will attend lectures and panel discussions with question and answer sessions in the morning. They will also see an online DBS surgery. In the afternoon, attendees will have the opportunity to see how the surgical trajectories and neurophysiology recordings are made, how to select surgical candidates, and how to examine them. Students will also see how to program and follow real patients with DBS, and engage in a constructive discussion with the international experts.

- The intended audience is: Neurologists, Neurosurgeons, Nurses and other Health Professionals.
- We anticipate 40 participants.
- Support is sought from multiple sponsors in the amount of $5,000 or more each.

2nd MDS-ES Summer School for Nurses, Wales, TBD

The MDS-European Section Summer School for Nurses is a hands-on educational opportunity for nurses in Europe who work within a neurology setting and are interested in specializing in Parkinson’s disease. Participants will receive in-depth instruction from UK Parkinson’s Disease Nurse Specialists, and other expert professionals in Movement Disorders. Students will attend lectures and panel discussions with question and answer sessions, and will have the opportunity to examine patients with Parkinson’s disease. They will learn how to manage motor and non-motor symptoms of Parkinson’s disease through the four stages of the disease trajectory. Students will present their own case-studies to small groups for discussion and critique, and will be involved in group presentations and case discussions.

- The intended audience are Nurses who work in a neurology setting and are interested in specializing in Parkinson’s disease.
- We anticipate 48 participants.
- Support is sought from multiple sponsors in the amount of $2,500 or more each.