

Curriculum Vitae

Alfonso Fasano
MD, PhD

A. Date Curriculum Vitae is Prepared: 2019 August 30

B. Biographical Information

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1. EDUCATION

Degrees

2008 - 2011	PhD, Neuroscience, Università Cattolica del Sacro Cuore, Rome, Italy
1996 - 2002	MD, Final Grade: 110/110 Cum Laude, Università Cattolica del Sacro Cuore, Rome, Italy

Postgraduate, Research and Specialty Training

2007	Residency in Neurology, Final Grade: 50/50 Cum Laude, Neuroscience Department, Università Cattolica del Sacro Cuore, Rome, Italy
2007	Leonardo Da Vinci project SEA European Internship, Surgical therapy of Parkinson's Disease and Dystonia, Department of Neurology, Christian-Albrechts Universität zu Kiel, Germany
1999	Fellowship in Internal Medicine, Erasmus Program, Instituto Nacional de la Salud – Hospital Universitario de Salamanca, Spain

Qualifications, Certifications and Licenses

2014 - present	Member, Royal College of Physicians and Surgeons of Canada, Canada
2013 May - present	Medical License, College of Physicians and Surgeons of Ontario, License / Membership #: 100137
2003 Nov - present	Medical License, College of Physicians and Surgeons of Caserta, Italy

2. EMPLOYMENT

Current Appointments

2019 Apr - present	Affiliate Scientist, KITE - Toronto Rehab, University Health Network <i>Member of Neural Engineering and Therapeutics Team (NET)</i>
2018 Jul 1 - present	Professor, Division of Neurology, Medicine, University of Toronto, Toronto, Ontario, Canada

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2018 - present Staff Neurologist, Neurology, The Hospital for Sick Children, Toronto, Ontario, Canada
2016 May - present Clinician Investigator, Krembil Research Institute, Toronto, Ontario, Canada
2013 Apr - present Staff Neurologist, Medicine - Neurology, Movement Disorders Clinic, University Health Network, Toronto Western Hospital, Toronto, Ontario, Canada
Co-Director of the Surgical Program in the Movement Disorders Clinic
2014 Feb 3 - 2020 Feb 3 Associate Professor, Neurology, Medicine, Italian Ministry of Research and University, Italy
O6/D6

Previous Appointments

HOSPITAL

2012 Jun - 2012 Nov Staff Neurologist, Department of Neuroscience, Gemelli Hospital, Rome, Italy

RESEARCH

2011 Feb - 2012 Jun Research Consultant, Department of Neuroscience, AFaR-Fatebenefratelli Association for Biomedical Research, Rome, Italy

2010 Apr - 2010 Dec Research Consultant, IRCCS Neuromed, Pozzilli, Italy

UNIVERSITY - RANK

2013 Apr - 2018 Jun 30 Associate Professor, Division of Neurology, Department of Medicine, University of Toronto, Toronto, Ontario, Canada

3. HONOURS AND CAREER AWARDS

Distinctions and Research Awards

INTERNATIONAL

Received

2009 Sep **Andrea Bocelli Award for Young Investigators**, 13th Congress of the European Federation of Neurological Societies, Florence, Italy. (Distinction)

NATIONAL

Received

2012 **Best PhD Thesis Prize**, Catholic University Day. (Distinction)

2011 **Best Research Project**, International Neuromodulation Society – Italian Chapter. (Distinction)

2009 **Neureca Onlus Prize**. (Distinction)
For original research project: "Freezing della marcia nei pazienti affetti da malattia di Parkinson: verso l'identificazione di un modello cinematografico".

2008 **Best Oral Presentation Award**, XXXV Congresso Limpe, Salerno, Italy. (Distinction)

2005 **Best Poster Award**, XXXII Congresso Limpe, Palermo, Italy. (Distinction)

Student/Trainee Awards

NATIONAL

Received

2012 **Scholarship**. Istituto Toniolo

4. PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Professional Associations

American Academy of Neurology
Euro-Huntington's Disease Network
International Neuromodulation Society
International Society for Posture and Gait Research
Italian Scientists and Scholars in North American Foundation
Lega Italiana contro la malattia di Parkinson, le Sindromi Extrapiramidali e le Demenze
Movement Disorder Society
Società Italiana di Neurologia

Administrative Activities

INTERNATIONAL

Dystonia Medical Research Foundation

2019 - present MEDICAL AND SCIENTIFIC ADVISORY COMMITTEE (MSAC), United States.

HopeNET

2013 - present **Member**, Scientific Board, United States.

International Association of Parkinsonism and Related Disorders

2017 - present **Member**, Scientific Program Committee - XXII World Congress on Parkinson's Disease and Related Disorders, Ho Chi Minh, thanh pho [Sai Gon], Viet Nam.

International Parkinson and Movement Disorder Society

2015 Jun 18 - 2017 Jun 30 **Member**, Publication Oversight Committee

2015 - 2017 **Member**, Publications Oversight Committee

2012 - 2016 **Member**, Scientific Issues Committee

International Parkinsonism and Movement Disorders Society

2018 Sep - present **Chair**, IPMDS Normal Pressure Hydrocephalus Study Group, United States.

2018 Jul - present **Member**, IPMDS Tremor Study Group, United States.

Parkinson Study Group

2018 - present **Member**, Functional Neurosurgical Working Group, United States.

Tremor Research Group

2018 - present **Member**, Scientific Board, United States.

LOCAL

CenteR for Advancing Neurological Innovation to Application (CRANIA)

2019 - present Medical Advisory Committee, Ontario, Canada.

International Essential Tremor Foundation

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2019 - present Medical Advisory Committee, Ontario, Canada.

Movement Disorders Centre Fellowship Program

2013 - present Supervisor, Ontario, Canada.

Society of Italian Researchers in Ontario (SIRO)

2017 - present Treasurer, Ontario, Canada.

University Health Network

2016 - present Medical Assistance in Dying (MAID), Toronto, Ontario, Canada.

Peer Review Activities

EDITORIAL BOARDS

Member

2018 - present Movement Disorders
2018 - present Movement Disorders Clinical Practice
2016 - present Parkinsonism and Related Disorders
2012 - 2015 Biomed Research International
2012 - 2014 Frontiers in Neurology
2011 - 2016 Case Reports in Neurological Medicine
2009 - 2013 Movement Disorders

Academic Editor

2013 - present PLoS One

GRANT REVIEWS

External Grant Reviewer

2016 - present University of Leuven, Belgium
2015 - present NIH
2016 The Israel Science Foundation (ISF)
Founded by the Israel Academy of Sciences and Humanities

MANUSCRIPT REVIEWS

Reviewer

2018 Aug - present Annals of Neurology
2018 Aug - present Brain Imaging and Behavior
2018 Aug - present Computer Methods and Programs in Biomedicine
2018 Aug - present Journal of Clinical Movement Disorders
2018 Aug - present Physical Therapy
2016 - present IEEE Transaction on biomedical Engineering
2016 - present Journal of Central Nervous System Disease
2016 - present Journal of Inherited Metabolic Disease
2016 - present Journal of Neurophysiology
2016 - present Molecular Psychiatry
2016 - present Neurodegenerative Disease Management

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2016 - present	Oxford University Press
2016 - present	Parkinson's UK
2016 - present	PeerJ
2016 - present	Scientific Reports
2016 - present	The Cerebellum
2015 - present	GUT
2015 - present	Neuropathology and Applied Neurobiology
2015 - present	Neuroscience
2014 - present	American Academy of Neurology
2014 - present	Journal of Neural Transmission
2014 - present	Neurology
2014 - present	Neuromodulation
2013 - present	Addiction Research & Theory
2013 - present	Basal Ganglia
2013 - present	Behavioural Brain Research
2013 - present	Biological Psychiatry
2013 - present	BMC Neurology
2013 - present	Brain and Stimulation
2013 - present	Cerebral Cortex
2013 - present	European Journal of Neurology
2013 - present	European Neurology
2013 - present	Experimental Brain Research
2013 - present	J of Huntington Disease
2013 - present	Journal of Neurology
2013 - present	Journal of Parkinson's Disease
2013 - present	Journal of Rehabilitation Research & Development
2013 - present	Journal of the Neurological Sciences
2013 - present	Lancet Neurology
2013 - present	Movement Disorders Clinical Practice
2013 - present	Neurobiology of Aging
2013 - present	Neurobiology of Disease
2013 - present	Neuroimage
2013 - present	Neuromodulation
2013 - present	Neuropsychobiology
2013 - present	Neuroscience
2013 - present	PLoS ONE
2009 - present	Brain
2008 - present	Movement Disorders
2007 Jul - present	Journal of Neurology, Neurosurgery and Psychiatry
2014 - 2015	Annals of New York Academy of Sciences
2014 - 2015	BMJ Case Reports
2014 - 2015	Current Drug Abuse Reviews
2014 - 2015	European Journal of Pediatric Neurology
2014 - 2015	Expert Opinion of Orphan Drugs
2014 - 2015	Human Brain Mapping

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2014 - 2015 Human Mutation
2014 - 2015 Indian Journal of Pharmacology
2014 - 2015 International Journal of Development Neuroscience
2014 - 2015 Journal of NeuroEngineering and Rehabilitation
2014 - 2015 Journal of Neurology and Neurophysiology
2014 - 2015 Journal of Zhejiang University-SCIENCE B Experimental Neurology
2014 - 2015 Nature Clinical Practice Neurology
2014 - 2015 Neurodegenerative disease
2014 - 2015 Neuroscientist
2014 - 2015 Clinical Genetics

OTHER

Member

2009 Feb - present The Movement Disorders Society

C. Research Funding

1. GRANTS, CONTRACTS AND CLINICAL TRIALS

PEER-REVIEWED GRANTS

FUNDED

2018 Apr - 2019 Apr **Collaborator.** Cognitive assays of hippocampal dysfunction in Parkinson's disease. Canadian Institutes of Health Research (CIHR). PI: Cohn, Melanie. 100,000 CAD. [Grants] *Bridge Funding.*

2017 Sep - 2020 Aug **Principal Investigator.** Adaptive/closed loop vs Continuous/open loop deep brain stimulation of subthalamic nucleus: a two-phase, cross-over, double-blind trial in Patients with Parkinson's disease. The Weston Brain Institute. 398,328 CAD. [Grants]

2017 Jul - 2025 Jun **Co-Investigator.** Cortical and basal ganglia mechanisms in movement disorders. Canadian Institutes of Health Research (CIHR). Foundation Grant. PI: Chen, Robert. 3,268,959 CAD. [Grants]

2017 Feb - 2018 Sep **Co-Investigator.** Phase-Amplitude Coupling of Local Field Potentials in Subthalamic Nucleus in Parkinson's disease. Weston Brain Institute. Canada:Rapid Response Round 2 PD-Related Diseases 2016 progr. 149,889.95 CAD. [Grants]

2015 Mar - 2016 Apr **Principal Investigator.** Surgicogenomics in Parkinson's disease: towards an understanding of the genetic contributors of outcome variability after deep brain stimulation surgery. McLaughlin Centre for Molecular Medicine (ON). Collaborator(s): Visanji, Naomi; Rogaeva, Ekaterina; Lang, Anthony. 50,000 CAD. [Grants]

2014 Oct - 2019 Sep **Co-Investigator.** Pathophysiology of Parkinson's disease. Canadian Institutes of Health Research (CIHR). Operating Grant. PI: Chen, Robert. 915,575 CAD. [Grants]

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- 2014 Oct - 2017 Sep **Co-Investigator.** Long-term stability of local field potentials recorded from the subthalamic nucleus and effects of deep brain stimulation. Canadian Institutes of Health Research (CIHR). Industry-partnered (Medtronic Inc.) Collaborative Research. PI: Chen, Robert. Collaborator(s): Andres Lozano; Mandar Jog; Mojgan Hodaie; Suneil Kalia. 540,456 CAD. [Grants]
- 2014 Jul - 2015 Jun **Principal Investigator.** A randomized, single-blind trial on the efficacy and safety of L-dopa monotherapy versus dopamine agonist monotherapy after STN DBS in Parkinson's disease. Micheal J. fox Foundation. 59,070 USD. [Grants]
RAPID RESPONSE INNOVATION AWARDS An Edmond J. Safra Core Program for PD Research.

NON-PEER-REVIEWED GRANTS

FUNDED

- 2017 Mar - present **Principal Investigator.** Combined use of Deep Brain Stimulation and Xeomin® in patients with dystonia: a retrospective study. Merz Pharma Canada Ltd. 15,000 CAD. [Grants]
- 2015 Jan - present **Co-Investigator.** A proposal for collaborative studies of the neural mechanisms of levodopa-induced dyskinesia (LID) in human patients and animal models of Parkinson's disease. Toronto Western and General Foundation Funding. Patient Donations. PI: Susan Fox. 295,000 CAD. [Grants]
- 2014 Jul - present **Supervisor.** Binnie Family Fellowship Fund in Movement Disorders. 150,000 CAD. [Trainee Salary Support]
- 2019 Jul - 2020 Jun **Supervisor.** Unrestricted Educational Grant - International Fellowship Program - DBS Fellowship Funding (Dr. Michel Farret). IPSEN Biopharmaceuticals Canada Inc. 74,954 CAD. [Trainee Salary Support]
- 2018 Oct - 2019 Sep **Supervisor.** Unrestricted Educational Grant - International Fellowship Program - DBS Fellowship Funding (Dr. Carolina Ramirez). IPSEN Biopharmaceuticals Canada Inc. 72,600 CAD. [Trainee Salary Support]
- 2017 Nov - 2018 Oct **Principal Investigator.** The impact of parameters self-adjustment in the optimization of deep brain stimulation for patients with Parkinson's disease: a randomized control trial comparing the advanced vs. the simple mode of the new Activa®. Medtronic (Minneapolis, MN, US). 39,653 USD. [Grants]
- 2017 Sep - 2018 Aug **Principal Investigator.** Comedication study assessing Mono- and combination therapy with Levodopa-Carbidopa Intestinal Gel. Abbvie. 59,689 USD. [Clinical Trials]
- 2017 Aug - 2018 Jul **Supervisor.** Unrestricted Educational Grant - International Fellowship Program - DBS Fellowship Funding (Dr. Vijayashankar Paramanandam). IPSEN Biopharmaceuticals Canada Inc. 72,600 CAD. [Trainee Salary Support]
- 2017 Apr - 2018 Apr **Principal Investigator.** D(irectional) vs. R(ing) Mode in PD: a 2 phases, double-blind cross-over pilot study. Boston Scientific Ltd. 216,150 CAD. [Grants]
- 2017 Jan - 2018 Jan **Principal Investigator.** Development of Standard Programming Protocols for the Management of Deep Brain Stimulation-related Procedures, a Quality Improvement Initiative. Division of Neurology, University of Toronto. New Initiatives Program. Collaborator(s): Renato Munhoz, MD MSc; Alejandro Valencia, RN(EC), MN; Marina Picillo, MD. 15,000

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CAD. [Grants]

- 2017 Jan - 2018 Jan **Principal Investigator.** From patients to sensors: building algorithms for smartphones and smartwatches. Apple USA. [Grants]
- 2015 Dec - 2022 Nov **Principal Investigator.** Canadian advanced Parkinson DUODOPA treated patients observational study evaluating long term health outcomes in centers of excellence (CADENCE study). Abbvie. 150,000 CAD. [Clinical Trials]
- 2015 Dec - 2016 Feb **Principal Investigator.** a multi-country, OBSERVational, cross-sEctional Study to characterize advanced Parkinson's disease patients in movement disorder centers (OBSERVE PD study). Abbvie. [Clinical Trials]
- 2015 Oct - 2020 Sep **Principal Investigator.** An open label, randomized 26 week study comparing levodopa carbidopa INteStinal Gel (LCIG) therapy to optimized medical treatment (OMT) on Non-Motor Symptoms (NMS) in subjects with advanced Parkinson's disease (M12-927 INSIGHT study). Abbvie. 1,063,800.8 CAD. [Clinical Trials]
- 2015 Jul - 2017 Jul **Co-Investigator.** Delirium following Deep Brain Stimulation in Parkinson's Disease. UHN Collaborative Academic Practice Research Grant. PI: Cohn, Melanie. 10,000 CAD. [Grants]
- 2015 Jul - 2016 Jun **Supervisor.** P&P Murray Foundation - DBS Fellowship Salary Support. 5,000 CAD. [Trainee Salary Support]
- 2015 Jan - 2017 Jun **Co-Principal Investigator.** Deep Brain Stimulation of the Pedunculopontine Nucleus to Improve Walking After Spinal Cord Injury. Rick Hanson Institute. Optimizing Neurorecovery Following SCI Grant. PI: Lozano AM, Fehlings M, **Fasano A.** Collaborator(s): Burns A, Musselman K, Martin AR, Kalsi-Ryan S, Aleksanderek I, Krishna V. 150,000 CAD. [Grants]
- 2014 Jul - 2015 Jun **Sub-Investigator.** Neurologist - Assessment and Diagnosis, Determining eligibility criteria. A Pivotal Study to Evaluate the Effectiveness and Safety of ExAblate Transcranial MRgFUS Thalamotomy Treatment of Medication Refractory Essential Tremor Subjects. InSightec-TxSonics Inc. [Clinical Trials]
- 2014 Jul - 2015 Jun **Sub-Investigator.** Neurologist - Assessment and Diagnosis, Determining eligibility criteria, Follow-up. A Pilot Study to Examine the Use of Spinal Cord Stimulation (SCS) for the Management of Parkinson's Disease. Boston Scientific. 100,000 CAD. [Clinical Trials]
- 2014 Jul - 2015 Jun **Sub-Investigator.** Assessment and Diagnosis, Determining eligibility criteria. Magnetic Resonance Guided Focused Ultrasound (MRgFUS) for the Management of Treatment-Refractory Movement Disorders. InSightec-TxSonics Inc. 200,000 CAD. [Clinical Trials]
- 2014 Jul - 2015 Jun **Principal Investigator.** A novel multidisciplinary model of care for normal pressure hydrocephalus. University of Toronto. Division of Neurology, New Initiatives Program. Collaborator(s): Dr. David F. Tang-Wai, MD, Dr. Antony E. Lang, FCAHS, FRSC, FAAN, FRCPC, MD, Mr. Alejandro Valencia, NP, Dr. Carmela M. Tartaglia, MD, Dr. Gelareh Zadeh, MD, Dr. Sapna Rawal, MD. 15,000 CAD. [Grants]

2. SALARY SUPPORT AND OTHER FUNDING

Donation

- 2014 Jul - 2017 Jun Funding commitment fo help purchase lab equipment. James H. Cummings Foundation.

E. Publications

1. PEER-REVIEWED PUBLICATIONS

Journal Articles

1. Olivola E, **Fasano A**, Varanese S, Lena F, Santilli M, Femiano C, Centonze D, Modugno N. Correction to: Continuous subcutaneous apomorphine infusion in Parkinson's disease: causes of discontinuation and subsequent treatment strategies. *Neurol Sci*. 2019 Sep 1;40(9):1925-1926. **Coauthor or Collaborator**.
2. **Fasano A**, Helmich RC. Tremor habituation to deep brain stimulation: Underlying mechanisms and solutions. *Mov Disord*. 2019 Aug 21. **Principal Author**.
3. Picillo M, Paramanandam V, Morgante F, Algarni M, Olszewska DA, Munhoz RP, Aziz T, Pereira E, Hodaie M, Kalia SK, Lozano AM, Lynch T, **Fasano A**. Dystonia as complication of thalamic neurosurgery. *Parkinsonism Relat Disord*. 2019 Aug 14. **Senior Responsible Author**.
4. Weissbach A, Udupa K, Ni Z, Gunraj C, Rinchon C, Baarbe J, **Fasano A**, Munhoz RP, Lang A, Tadic V, Brüggemann N, Münchau A, Bäumer T, Chen R. Single-pulse subthalamic deep brain stimulation reduces premotor-motor facilitation in Parkinson's disease. *Parkinsonism Relat Disord*. 2019 Aug 7. **Co-Principal Author**.
5. Boutet A, Rashid T, Hancu I, Elias GJB, Gramer RM, Germann J, Dimarzio M, Li B, Paramanandam V, Prasad S, Ranjan M, Coblentz A, Gwun D, Chow CT, Maciel R, Soh D, Fiveland E, Hodaie M, Kalia SK, **Fasano A**, Kucharczyk W, Pilitsis J, Lozano AM. Functional MRI Safety and Artifacts during Deep Brain Stimulation: Experience in 102 Patients. *Radiology*. 2019 Aug 6:190546. **Coauthor or Collaborator**.
6. Tavasoli AR, Shahidi G, Parvaresh M, **Fasano A**, Ashrafi MR, Hosseinpour S, Lang AE, Rohani M. Deep brain stimulation in status dystonicus caused by anti-NMDA receptor encephalitis. *Parkinsonism Relat Disord*. 2019 Jul 20. **Coauthor or Collaborator**.
7. Yazdi N, **Fasano A**, Lang AE, Rohani M. Gelastic Cataplexy in Niemann Pick Type C. *Mov Disord Clin Pract*. 2019 Jul 1;6(6):498-499. **Coauthor or Collaborator**.
8. Todisco M, Pozzi NG, Zangaglia R, Minafra B, Servello D, Ceravolo R, Alfonsi E, **Fasano A**, Pacchetti C. Pisa syndrome in Idiopathic Normal Pressure Hydrocephalus. *Parkinsonism Relat Disord*. 2019 Jun 28. **Coauthor or Collaborator**.
9. Gatti S, Lionetti E, Balanzoni L, Verma AK, Galeazzi T, Gesuita R, Scattolo N, Cinquetti M, **Fasano A**, Catassi C, Celiac Screening Team. Increased Prevalence of Celiac Disease in School-age Children in Italy. *Clin Gastroenterol Hepatol*. 2019 Jun 17. **Coauthor or Collaborator**.
10. Soh D, **Fasano A**. IncobotulinumtoxinA and Deep Brain Stimulation. *Can J Neurol Sci*. 2019 Jun 14:1-4. **Senior Responsible Author**.
11. Bally JF, Rohani M, Ruiz-Lopez M, Paramanandam V, Munhoz RP, Hodaie M, Kalia SK, Lozano AM, Burkhard PR, Poncet A, **Fasano A**. Patient-adjusted deep-brain stimulation programming is time saving in dystonia patients. *J Neurol*. 2019 Jun 13. **Senior Responsible Author**.
12. Saeedi Y, Kazemi F, Habibi SAH, Tafakhori A, Chitsaz A, **Fasano A**, Lang AE, Rohani M. Tongue Protrusion Dystonia in Pantothenate Kinase-Associated Neurodegeneration. *Pediatr Neurol*. 2019 Jun 13. **Coauthor or Collaborator**.
13. Rajalingam R, Breen DP, Chen R, Fox S, Kalia LV, Munhoz RP, Slow E, Strafella AP, Lang AE, **Fasano A**. The clinical significance of lower limb tremors. *Parkinsonism Relat Disord*. 2019 Jun 8. **Senior Responsible Author**.

14. de Oliveira LM, Barbosa ER, Aquino CC, Munhoz RP, **Fasano A**, Cury RG. Deep Brain Stimulation in Patients With Mutations in Parkinson's Disease-Related Genes: A Systematic Review. *Mov Disord Clin Pract*. 2019 Jun 1;6(5):359-368. **Coauthor or Collaborator**.
15. Hancu I, Boutet A, Fiveland E, Ranjan M, Prusik J, Dimarzio M, Rashid T, Ashe J, Xu D, Kalia SK, Hodaie M, **Fasano A**, Kucharczyk W, Pilitsis J, Lozano A, Madhavan R. On the (Non-)equivalency of monopolar and bipolar settings for deep brain stimulation fMRI studies of Parkinson's disease patients. *J Magn Reson Imaging*. 2019 Jun 1;49(6):1736-1749. **Coauthor or Collaborator**.
16. Isayama R, Chen R, Lang AE, Deuschl G, **Fasano A**. Tremor with congenital mirror movements: evidence of involvement of the primary motor cortex in tremor. *Eur J Neurol*. 2019 Jun 1;26(6):e66-e67. **Senior Responsible Author**.
17. Boutet A, Gramer R, Steele CJ, Elias GJB, Germann J, Maciel R, Kucharczyk W, Zrinzo L, Lozano AM, **Fasano A**. Neuroimaging Technological Advancements for Targeting in Functional Neurosurgery. *Curr Neurol Neurosci Rep*. 2019 May 30;19(7):42. **Senior Responsible Author**.
18. Olivola E, **Fasano A**, Varanese S, Lena F, Santilli M, Femiano C, Centonze D, Modugno N. Continuous subcutaneous apomorphine infusion in Parkinson's disease: causes of discontinuation and subsequent treatment strategies. *Neurol Sci*. 2019 May 20. **Coauthor or Collaborator**.
19. Gandolfi M, Tinazzi M, Magrinelli F, Busselli G, Dimitrova E, Polo N, Manganotti P, **Fasano A**, Smania N, Geroin C. Four-week trunk-specific exercise program decreases forward trunk flexion in Parkinson's disease: A single-blinded, randomized controlled trial. *Parkinsonism Relat Disord*. 2019 May 3. **Coauthor or Collaborator**.
20. Boutet A, Gwun D, Gramer R, Ranjan M, Elias GJB, Tilden D, Huang Y, Li SX, Davidson B, Lu H, Tyrrell P, Jones RM, **Fasano A**, Hynynen K, Kucharczyk W, Schwartz ML, Lozano AM. The relevance of skull density ratio in selecting candidates for transcranial MR-guided focused ultrasound. *J Neurosurg*. 2019 May 3:1-7. **Coauthor or Collaborator**.
21. Cantalupo G, **Fasano A**. Pediatric freezing of gait caused by anti-NMDAR encephalitis. *Mov Disord*. 2019 May 1;34(5):756-757. **Senior Responsible Author**.
22. Li C, Gajic-Veljanoski O, Schaink AK, Higgins C, **Fasano A**, Sikich N, Dhalla I, Ng V. Cost-Effectiveness of Magnetic Resonance-Guided Focused Ultrasound for Essential Tremor. *Mov Disord*. 2019 May 1;34(5):735-743. **Coauthor or Collaborator**.
23. Lizarraga KJ, Gnanamanogaran B, **Fasano A**, Lang AE. Jumping to overcome freezing of gait while turning in Parkinson's disease. *Parkinsonism Relat Disord*. 2019 Apr 30. **Coauthor or Collaborator**.
24. Soh D, Ten Brinke TR, Lozano AM, **Fasano A**. Therapeutic Window of Deep Brain Stimulation Using Cathodic Monopolar, Bipolar, Semi-Bipolar, and Anodic Stimulation. *Neuromodulation*. 2019 Apr 5. **Senior Responsible Author**.
25. **Fasano A**, Fung VSC, Lopiano L, Elibol B, Smolentseva IG, Seppi K, Takáts A, Onuk K, Parra JC, Bergmann L, Sail K, Jalundhwala Y, Pirtosek Z. Characterizing advanced Parkinson's disease: OBSERVE-PD observational study results of 2615 patients. *BMC Neurol*. 2019 Apr 2;19(1):50. **Principal Author**.
26. De Vloo P, Reddy GD, Rowland N, Sammartino F, Llinas M, Paul D, Murray BJ, Lang AE, **Fasano A**, Munhoz RP, Kalia SK. Successful spinal cord stimulation for severe medication-refractory restless legs syndrome. *Mov Disord*. 2019 Apr 1;34(4):585-586. **Coauthor or Collaborator**.
27. **Fasano A**, Di Bonaventura C, Bove F, Espay AJ, Morgante F, Fabbrini G, Munhoz RP, Andrade D, Borlot F, Bui E, Di Gennaro G, Iorio R, Katzberg H, Luigetti M, Striano P, Defazio G, Berardelli A. Movement disorders phenomenology in focal motor seizures. *Parkinsonism Relat Disord*. 2019 Apr 1;61:161-165. **Principal Author**.
28. Dallapiazza RF, Lee DJ, De Vloo P, Fomenko A, Hamani C, Hodaie M, Kalia SK, **Fasano A**, Lozano AM. Outcomes from stereotactic surgery for essential tremor. *J Neurol Neurosurg Psychiatry*. 2019 Apr 1;90(4):474-482. **Coauthor or Collaborator**.

29. Oosterloo M, Bijlsma EK, van Kuijk SM, Minkels F, de Die-Smulders CE, REGISTRY Investigators of the European Huntington's Disease Network., Registry Steering committee., Language coordinators., EHDN's associate site in Singapore. Clinical and genetic characteristics of late-onset Huntington's disease. *Parkinsonism Relat Disord*. 2019 Apr 1;61:101-105. **Coauthor or Collaborator**.
30. Rohani M, **Fasano A**, Akhoundi FH, Haeri G, Lang AE, Rahimi Bidgoli MM, Javanparast L, Zamani B, Shahidi G, Alavi A. Beta-propeller protein associated neurodegeneration (BPAN); the first report of three patients from Iran with de novo novel mutations. *Parkinsonism Relat Disord*. 2019 Apr 1;61:231-233. **Coauthor or Collaborator**.
31. Nonnekes J, Ružicka E, Nieuwboer A, Hallett M, **Fasano A**, Bloem BR. Compensation Strategies for Gait Impairments in Parkinson Disease: A Review. *JAMA Neurol*. 2019 Mar 25. **Coauthor or Collaborator**.
32. Benam M, Parvaresh M, **Fasano A**, Rohani M. CSF leak leading to seroma formation. *Postgrad Med J*. 2019 Mar 1;95(1121):176. **Coauthor or Collaborator**.
33. Sasikumar S, Albanese A, Krauss JK, **Fasano A**. Implementation of the Current Dystonia Classification from 2013 to 2018. *Mov Disord Clin Pract*. 2019 Mar 1;6(3):250-253. **Senior Responsible Author**.
34. Rezazadeh A, Uddin M, Snead OC 3rd, Lira V, Silberberg A, Weiss S, Donner EJ, Zak M, Bradbury L, Scherer SW, **Fasano A**, Andrade DM. STXBP1 encephalopathy is associated with awake bruxism. *Epilepsy Behav*. 2019 Mar 1;92:121-124. **Coauthor or Collaborator**.
35. Lee DJ, Milosevic L, Gramer R, Sasikumar S, Al-Ozzi TM, De Vloo P, Dallapiazza RF, Elias GJB, Cohn M, Kalia SK, Hutchison WD, **Fasano A**, Lozano AM. Nucleus basalis of Meynert neuronal activity in Parkinson's disease. *J Neurosurg*. 2019 Feb 22:1-9. **Coauthor or Collaborator**.
36. Freitas ME, Ruiz-Lopez M, Dalmau J, Erro R, Privitera M, Andrade D, **Fasano A**. Seizures and movement disorders: phenomenology, diagnostic challenges and therapeutic approaches. *J Neurol Neurosurg Psychiatry*. 2019 Feb 22. **Senior Responsible Author**.
37. Espay AJ, Vizcarra JA, Marsili L, Lang AE, Simon DK, Merola A, Josephs KA, **Fasano A**, Morgante F, Savica R, Greenamyre JT, Cambi F, Yamasaki TR, Tanner CM, Gan-Or Z, Litvan I, Mata IF, Zabetian CP, Brundin P, Fernandez HH, Standaert DG, Kauffman MA, Schwarzschild MA, Sardi SP, Sherer T, Perry G, Leverenz JB. Revisiting protein aggregation as pathogenic in sporadic Parkinson and Alzheimer diseases. *Neurology*. 2019 Feb 12;92(7):329-337. **Coauthor or Collaborator**.
38. Artusi CA, Dwivedi AK, Romagnolo A, Pal G, Kauffman M, Mata I, Patel D, Vizcarra JA, Duker A, Marsili L, Cheeran B, Woo D, Contarino MF, Verhagen L, Lopiano L, Espay AJ, **Fasano A**, Merola A. Association of Subthalamic Deep Brain Stimulation With Motor, Functional, and Pharmacologic Outcomes in Patients With Monogenic Parkinson Disease: A Systematic Review and Meta-analysis. *JAMA Netw Open*. 2019 Feb 1;2(2):e187800. **Coauthor or Collaborator**.
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3. NON-PEER-REVIEWED PUBLICATIONS

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7. Metronews. Mysterious illness incapacitates Waterloo Region teacher. (<http://www.metronews.ca/news/kitchener/2013/11/05/mysterious-illness-incapacitates-waterloo-region-teacher.html>). 2013 Nov 5. **Acknowledged in Publication (Not Author)**.

F. Presentations and Special Lectures

1. INTERNATIONAL

Invited Lectures and Presentations

- 2019 Jun 24 **Director**. Update in Movement Disorders. American Academy of Neurology. Philadelphia, Pennsylvania, United States. Conference Subcommittee - AAN 71st Annual Meeting in Philadelphia, PA.
- 2019 Jun **Invited Speaker**. Spinal Cord Stimulation, Experience in PD. Boston Scientific. Paris, France. International DBS Experts Summit - June 13-14, 2019.
- 2019 May 10 **Director**. Update in Movement Disorders. American Academy of Neurology. Philadelphia, Pennsylvania, United States. Presentation title: Update on advanced treatments for Movement Disorders; Presented at the 2019 AAN annual meeting; May 4-10, 2019.
- 2019 May 5 **Director**. Balance and Gait Disorders. American Academy of Neurology. Philadelphia, Pennsylvania, United States. Presentation title: Clinical assessment of gait and balance disorders - Alberto Espay and **Alfonso Fasano**; Presented at the 2019 AAN annual meeting; May 4-10, 2019.
- 2019 Apr **Steering Committee**. Conference Services, UHN Education. Toronto, Ontario, Canada. The Krembil Knowledge Gaps in Parkinson's Disease Symposium - Linking pathogenesis with disease modification, Revision vs Reconstruction April 24-26, 2019; Steering Committee: Anthony E. Lang, **Alfonso Fasano**, Francesca Morgante, Alberto J. Espay, Andres M. Lozano, Lorraine Kalia & Antonio Strafella.
- 2019 Mar **Invited Speaker**. International DBS Academy. Boston Scientific. France. A round table discussion about advancements and challenges in DBS therapy with int'l DBS experts. Presentation Titles: Multi-targeting with octolinear electrode; Topic: Value of visualization, short pulse width & multiple frequencies - Moderators: Claudio Pollo & **Alfonso Fasano**; Upgrading from old technology to new technology; March 19-20, 2019.
- 2018 Oct **Invited Speaker**. Gait problems in hyperkinetic movement disorders. Hong Kong. Presented at the International Congress of Parkinson's Disease and Movement Disorders. Hong Kong. October 5-9, 2018.
- 2018 Sep **Invited Speaker**. Medical management of MD - an update. Dystonia Medical Research Foundation. Paris, France. Fourth DMRF Myoclonus Dystonia Workshop. September 27-28, 2018.
- 2018 Aug **Invited Speaker**. Centro Medico ABC. Mexico. Presented at the 1st International Symposium of Movement Disorders. Presentation title: What is new in DBS? New targets, spinal and cortical stimulation, different current options, and new modalities for the treatment of Movement Disorders. Presentation title: DBS fails! What are the options?.
- 2018 Jun **Invited Speaker**. National Neuroscience Institute. Singapore. Presented at the Singapore International Parkinson Disease and Movement Disorders Symposium; Presentation Title: Toronto Western Hospital DBS Patient Evaluation and Selection Presentation Title: DBS Programming for Parkinson Disease; Presentation Title: New Approaches to Deep Brain Stimulation in Parkinson Disease; Presentation Title: Falls in Parkinson Disease.
- 2018 Jun **Invited Speaker**. Beyond Traditional Deep Brain Stimulation. International Parkinson and Movement Disorders Society Pan American Section. Florida, United States. Presented at the 2nd Pan American Parkinson's Disease and Movement Disorders Congress;.

- 2018 Jun **Invited Speaker.** Freezing of Gait Leuven 2018. Belgium. Video Case Panel Discussion.
- 2018 May **Invited Speaker.** 1st International Residential Course on Movement Disorders in Childhood. Italy. Presenter(s): Presentation Title: Status Dystonicus: a Practical Approach.
- 2018 Apr **Invited Speaker.** Clinical assessment of gait and balance disorders. American Academy of Neurology. California, United States. Presented at the American Academy of Neurology 2018 Annual Meeting.
- 2018 Mar **Invited Speaker.** International DBS Academy. Boston Scientific. Germany. A round table discussion about planning & programming advancements in DBS therapy with int'l DBS experts. Role: Moderator.
- 2018 Mar **Chair.** Expert Exchange meeting on complicated dystonias. Expert Exchange. Italy. Chaired Presentation and discussion of videos of patients with severe dystonia: when to use deep brain stimulation? Presenters: A. Albanese, M. Picillo, A. Tomic, I. Milenkovic.
- 2018 Feb **Invited Speaker.** Verona Parkinson 2018. Limpe-Dismov. Italy. Presentation title: High Intensity Focused Ultrasound (HIFU) nella malattia di Parkinson e nei tremor.
- 2018 Jan 16 **Invited Speaker.** Treatment of movement disorders with focused ultrasound. Department of Neurology, University of Cincinnati. Ohio, United States. Grand Rounds; Visiting professor Movement Disorders Video Rounds.
- 2018 Jan 16 **Invited Speaker.** Clinical approach to gait disorders. Department of Neurology, University of Cincinnati. Ohio, United States. Grand Rounds; Visiting professor Movement Disorders Video Rounds.
- 2018 Jan 16 **Invited Speaker.** Lessons learned from my patients: Instructive movement disorders. Department of Neurology, University of Cincinnati. Ohio, United States. Grand Rounds; Visiting professor Movement Disorders Video Rounds.
- 2017 Nov 15 **Invited Speaker.** The Overlap Between Essential Tremor and Parkinson Disease. Ho Chi Minh, thanh pho [Sai Gon], Viet Nam. Presented at the XXII World Congress on Parkinson's Disease and Related Disorders. November 12-15, 2017.
- 2017 Nov 14 **Invited Speaker.** Progressive Supranuclear Palsy. Ho Chi Minh, thanh pho [Sai Gon], Viet Nam. Presented at the XXII World Congress on Parkinson's Disease and Related Disorders. November 12-15, 2017.
- 2017 Nov 10 **Invited Speaker.** Simplify or Not. Abbvie. Berlin, Germany. 3rd Advanced Parkinson's disease (APD) Summit 2017. November 10-11, 2017.
- 2017 Nov 9 **Invited Speaker.** Gastrointestinal disorders in PD. SWEMODIS. Sweden. 2nd Annual meeting on Parkinson's disease complications.
- 2017 Nov 7 **Invited Speaker.** Directionality experts panel - debate. Boston Scientific. Paris, France. Presenter(s): Claudio Pollo & **Alfonso Fasano**. International DBS Maters' Debate. Reshaping the future of DBS. November 7th & 8th, 2017.
- 2017 Nov 7 **Invited Speaker.** Lessons from leaders: Research grants. Boston Scientific. Paris, France. Presenter(s): Andres Lozano, **Alfonso Fasano**, Gunther Deuschl. DBS Rising Stars, November 6 & 7, 2017.
- 2016 Dec 1 **Invited Speaker.** Troubleshooting gait problems in PD. University of Wurzburg, Neurologische Klinik und Polklinik. Wurzburg, Germany. Expert Summit on the Future of Deep Brain Stimulation. Wurzburg, November 30 - December 2, 2016.
- 2016 Oct 22 **Invited Speaker.** Estimulacao Cerebral Profunda. Braga, Portugal. IX Minho Medical Meeting of NEMUM October 21-22, 2016.
- 2016 Oct 21 **Invited Speaker.** Estimulacao Cerebral Profunda. IX Minho Medical Meeting of NEMUM. Braga, Portugal. October 21-22, 2016.
- 2016 Sep 22 **Presenter.** Defining "advanced" Parkinson's disease in clinical practice: results from the OBSERVE-PD

- Study, a cross-sectional observational study of 2615 patients. Portland, Oregon, United States. 4th World Parkinson Congress, September 20-23, 2016.
- 2016 Sep **Invited Speaker.** Basic and Clinical Research Update in Advanced Parkinson's Disease. 4th World Parkinson Congress. Portland, Oregon, United States. Highlights from the 4th World Parkinson Congress 2016: A Canadian Perspective. September 20-23, 2017.
- 2016 Sep **Invited Speaker.** Falls risk: A complex and evolving picture. 4th World Parkinson Congress. Portland, Oregon, United States.
- 2016 Jun **Invited Speaker.** Innovation Advisory Board. Medtronic DBS. Switzerland. June 2-3, 2016.
- 2016 May 6 **Invited Speaker.** Mechanisms of dystonic storm. 3rd International Congress on Treatment of Dystonia. Germany.
- 2016 Apr **Invited Speaker.** Late stage treatment (DBS-TMS) of movement disorders. UCB. Italy. Movement Disorders School in Ravella, Ravello, Italy, April 15-16, 2016.
- 2016 Mar 19 **Host.** Debate: Do COMT inhibitors have a future? The 10th World Congress on Controversies in Neurology. Lisboa, Portugal.
- 2016 Mar 19 **Invited Speaker.** The importance of addressing clinical symptoms. The 10th World Congress on Controversies in Neurology. Lisboa, Portugal.
- 2016 Mar 15 **Chair.** Update on DBS in Movement Disorders. Conference on Deep Brain Stimulation. Germany. Presenter(s): Chairs: J. Vesper; **A. Fasano.**
- 2016 Mar 15 **Speaker.** Update on DBS in other hyperkinetic disorders. Conference on Deep Brain Stimulation. Germany.
- 2016 Mar **Invited Speaker.** The 10th World Congress on Controversies in Neurology (CONy). Lisboa, Portugal.
- 2015 Dec 9 **Invited Speaker.** Surgical treatment. XXI World Congress on Parkinson's Disease and Related Disorders. Milano, Italy. Translational Parallel Session: Recent advances in essential tremor.
- 2015 Dec 8 **Invited Speaker.** Surgical intervention. XXI World Congress on Parkinson's Disease and Related Disorders. Milano, Italy. Education Parallel Session: Dystonia.
- 2015 Dec 8 **Facilitator.** Clinical Parallel Session: Deep Brain Stimulation. XXI World Congress on Parkinson's Disease and Related Disorders. Milano, Italy.
- 2015 Sep 17 **Invited Speaker.** Expert panel and case studies for programming and management of INS (the 4 best cases). Medtronic. Switzerland. Presenter(s): PD Dr. Michael Schupback; Dr. Yasushi Shimo; Prof. Patricia Limousin; Dr. Alfonso Fasano, Dr. Francesca Morgante. Young Neurologists' Training Program, Phase 1, September 14-17, 2015.
- 2015 Sep 15 **Lecturer.** Module 4 - Patient selection for DBS - Essential Tremor. Medtronic. Switzerland. Presenter(s): Dr. **Alfonso Fasano**, Dr. Francesca Morgante. Young Neurologists' Training Program, Phase 1, September 14-17, 2015.
- 2015 Sep **Invited Speaker.** Medtronic. Switzerland. Faculty and Speaker in the Phase 1 of the Young Neurologists' Training Program, 14-17 September 2015, Medtronic T&E Center, Tolochenaz, Switzerland.
- 2015 Jun 16 **Invited Speaker.** Unusual gait disorders. International Parkinson and Movement Disorder Society. San Diego, California, United States. Presenter(s): Bastiaan Bloem, **Alfonso Fasano.** Video Session: In this video session, participants will learn how to clinically analyze gait and learn how to diagnose usual gait disorders and their disease associations.
- 2015 Apr 23 **Facilitator.** Movement Disorders: Functional Imaging in Parkinson's Disease. American Academy of Neurology Institute. Washington, United States.

Alfonso FASANO

- 2014 Nov 22 **Speaker.** Psychotherapy, Psychopharmacotherapy, Integrated Treatments. International Pathways of Psychiatry. Roma, Italy. Presenter(s): Dr. **Alfonso Fasano**. Drug-induced movement disorders in psychiatric patients: diagnosis and treatment.
- 2014 Nov 3 **Speaker.** International DBS Masters Debate. Boston Scientific. Mello, Paris, France. Presenter(s): Prof. **Alfonso Fasano**. Axial Symptoms - Gait Balance.
- 2014 Jun 12 **Speaker.** Recruitment Strategies and Patient Selection. 18th International Congress of Parkinson's Disease and Movement Disorders. Stockholms län [SE-01], Sweden. Presenter(s): Dr. **Alfonso Fasano**. International Parkinson and Movement Disorder Society.
- 2014 Feb 6 **Presenter.** PET/SPECT. 1st International Freezing of Gait Congress IFOG2014. Israel.
- 2013 Nov 6 **Speaker.** Freezing of Gait - Troubleshooting. Boston Scientific. Mello, France. International DBS Masters Debate. (Trainee Presentation).
- 2013 May 30 **Speaker.** Is there anything else we can do to study and manage cognition and gait/balance symptoms in the late phase? aristeia. Cuglieri, Oristano, Italy. Open Issues in Parkinson's Disease: Questions and Answers.
- 2013 Mar 14 **Invited Speaker.** Pathophysiology of freezing. Deutscher Parkinson Kongress. Wurzburg, Germany.
- 2011 Nov 10 **Chair.** What DBS have taught us about the functioning of the brain? Medtronic DBS Forum. Berlin, Germany. Co-chair with Francesca Morgante.
- 2011 Jul 16 **Invited Speaker.** Diagnosis and management of tremor. Lviv National Medical University. L'vivs'ka Oblast', Ukraine.
- 2011 Jul 16 **Invited Speaker.** DBS for the treatment of movement disorders. Lviv National Medical University. L'vivs'ka Oblast', Ukraine.

Organization Committee

- 2015 Oct 19 Deep Brain Stimulation International Academy. Hosted by Toronto Western Hospital in partnership with Medtronic. Toronto, Ontario, Canada. October 19-23, 2015.
- 2015 May 8 Toronto, Ontario, Canada. 3rd International Conference on Knowledge Gaps in Parkinson's Disease and other Movement Disorders.
- 2012 Feb 9 Santa Margherita Ligure, Italy. 2nd International Conference on Knowledge Gaps in Parkinson's Disease and other Movement Disorders.
- 2010 Feb 5 Taormina, Sicilia, Italy. 1st International Conference on Knowledge Gaps in Parkinson's Disease and other Movement Disorders.

2. NATIONAL

Invited Lectures and Presentations

- 2019 Jun 17 **Invited Speaker.** Parallel Track 9C: Essential Tremor. International Association Parkinsonism and Related Disorders. Montreal, Quebec, Canada. World Congress on Parkinson's Disease and Related Disorders.
- 2019 Jun 16 **Invited Speaker.** Skills Workshop 1B: Case Studies in advanced Programming. International Association Parkinsonism and Related Disorders. Montreal, Quebec, Canada. World Congress on Parkinson's Disease and Related Disorders.
- 2018 Sep **Invited Speaker.** The million dollar question: Can a cure for PD be expected in the next 10 years. Cleveland Clinic in joint participation with Parkinson Study Group. Nevada, United States. 6th Annual Shaping the management of Parkinson's disease: Debating the most controversial issues and discussing

the latest breakthroughs. Las Vegas, Nevada September 22-23, 2018.

- 2018 May **Invited Speaker.** Presented at the 4 Congresso Accademia LIMPE-DISMOV. Accademia Italiana per lo studio della malattia di Parkinson e I disordini del movimento. LIMPE-DISMOV. Italy. Presentation Title: Il Trattamento del Tremore con Ultrasoni.
- 2018 May **Invited Speaker.** Presented at the Young Neurologists' Training Program;. Medtronic. Switzerland. Interactive session: Ask the expert panel on the fundamentals of DBS
Presentation Title: Clinical Evidence review and discussion.
- 2018 May **Invited Speaker.** Update on neurosurgical approaches for tremor and Parkinson's disease. Serbia. Presented at the Update of Movement Disorders Serbian Academy of Sciences and Arts.
- 2018 Jan **Regional Steering Committee Member.** Sharing for better caring. ABBVIE. Ontario, Canada.
- 2017 Oct 30 **Invited Speaker.** Levodopa versus dopamine agonist after deep brain stimulation in Parkinson's. The Michael J. Fox Foundation for Parkinson's Research. New York, New York, United States. 11th Annual Parkinson's Disease Therapeutics Conference.
- 2017 Sep 15 **Chair.** The role of exercise on cognition and rehabilitation. Italy. Presenter(s): chairmen: BR Bloem, **A Fasano.**
- 2017 Aug 25 **Invited Speaker.** VIP DBS Conference. Medtronic. Colombia.
- 2017 Jul 12 **moderator.** International DBS Academy: Changing the DBS Paradigm. Boston Scientific. Paris, France. Moderator for Novel Directional Platform & Directionality Experts Panel - Debate.
- 2017 Jun 7 **Invited Speaker.** 21st International Congress of Parkinson's disease and movement disorders. Abbvie. Vancouver, British Columbia, Canada. A focus beyond motor fluctuations.
- 2017 May 22 **Invited Speaker.** DBS Rising Stars. Boston Scientific. France. Lessons from leaders: Writing a manuscript.
- 2017 May 18 **Invited Speaker.** Disturbi della deambulazione. LIMPE-DISMOV. Italy. 3 Congresso Accademia LIMPE-DISMOV. Accademia Italiana per lo studio della malattia di Parkinson e I disordini del movimento.
- 2017 Apr 8 **Invited Speaker.** Experts meeting - Reshaping DBS in Latin America. Boston Scientific. Argentina. Gait & Multiple Frequencies and Locations.
- 2017 Apr **Invited Speaker.** DBS Leaders Program. Medtronic. Arizona, United States. Presenter(s): Michael Okun, **Alfonso Fasano.** The pros and cons of Telehealth.
- 2017 Jan 27 **Speaker.** Sharing for better caring: Best practice exchange with experts in Parkinson's disease. AbbVie. Toronto, Ontario, Canada. Regional Steering Committee Member.
- 2016 Oct 27 **Invited Speaker.** Essential Tremor. Hôpital Notre-Dame du CHUM. Montreal. Montreal, Quebec, Canada.
- 2016 Oct 23 **Invited Speaker.** Nuovi modelli assistenziali nel trattamento della fase avanzata della Malattia di Parkinson. Venezia, Italy. XLVII congress Societa Italiana di Neurologia, October 22-25, 2016.
- 2016 May 5 **Invited Speaker.** Sistema periferico e midollo spinale. LIMPE-DISMOV. Italy. 2 Congresso Accademia LIMPE-DISMOV. Accademia Italiana per lo studio della malattia di Parkinson e I disordini del movimento.
- 2015 Sep 29 **Invited Speaker.** DBS - Meccanismi d'azione. LIMPE-DISMOV. Torino, Italy. Sessione 2 - Novità terapeutiche nella fase avanzata della malattia di Parkinson; Accademia Italiana per lo Studio della Malattia di Parkinson e i Disordini del Movimento; Torino, Italy; September 28-30, 2015.
- 2015 Sep 29 **Invited Speaker.** Modello nord-americano. LIMPE-DISMOV. Torino, Italy. Incontro con le aziende: Terapia chirurgica nel parkinson: modelli gestionali a confronto e sostenibilita; Accademia Italiana per lo Studio della Malattia di Parkinson e i Disordini del Movimento; Torino, Italy; September 28-30, 2015.

Alfonso FASANO

- 2015 May 29 **Invited Speaker.** The unsolved issues of PD. Italy. Il trattamento della malattia di Parkinson: aspetti clinici, etici e riabilitativi.
- 2015 May 23 **Invited Speaker.** Workshop 2 - Topics in Parkinson's Disease. Practicum in Neurology 2015. Vancouver, British Columbia, Canada.
- 2015 Apr 27 **Speaker.** Recent advantages in deep brain stimulation: indications, targets and technology. 3rd North American Meeting on Brain Stimulation and Neuroimaging. Montreal, Quebec, Canada. April 27-28, 2015.
- 2015 Mar 27 **Invited Speaker.** Nucleo Subtalamico: emozione, elaborazione cognitiva e DBS. LIMPE-DISMOV. Cerasolo, Italy.
- 2014 Oct 18 **Speaker.** Multidisciplinary Care in Movement Disorders. Centro Studi. Treviso, Italy. Presenter(s): **Alfonso Fasano.** Disorders of gait, posture and stability in Parkinson's disease: clinical features and neurological management.
- 2014 Jul 5 **Speaker.** Eligibility criteria for Tremor. DBS Canada Day The Scientific Committee supported by Medtronic of Canada LTD. Toronto, Ontario, Canada. Presenter(s): Dr. **Alfonso Fasano.** The Medical Management of PD after DBS.
- 2014 Jun 4 **Chair.** Non-pharmacologic/Surgical Management of PD. CNSF 49th Congress - Concepts and Controversies in Parkinson's disease Management. Banff, Alberta, Canada. Presenter(s): Dr. **Alfonso Fasano.**
- 2014 Apr 12 **Lecturer.** Young in Movement Disorders. Napoli, Italy. Presenter(s): Dr. **Alfonso Fasano.** Lecturer: "DBS for Parkinson's disease: present and beyond.
- 2014 Apr 8 **Speaker.** 3rd Residential Course on Diagnosis and Treatment of Movement Disorders. Camolli, Genova, Italy. Presenter(s): Dr. **Alfonso Fasano.**
- 2014 Mar 28 **Presenter.** Update on the Medical Management of Parkinson's disease. Montreal, Quebec, Canada. Presenter(s): Dr. **Alfonso Fasano.**
- 2014 Mar 27 **Speaker.** Update On Dopamine Agonist. Teva Canada Innovation. Montreal, Quebec, Canada. Presenter(s): Dr. **Alfonso Fasano.**
- 2014 Mar 21 **Speaker.** Practical Preceptorship: Introduction To CDS/Doudopa. Abbvie. Montreal, Ontario, Canada.
- 2013 Nov 14 **Invited Speaker.** Deep brain stimulation for Parkinson's disease: 2013 and beyond. UCB Canada Inc. Montreal, Quebec, Canada. The University Hospital of Montreal.
- 2013 Nov 13 **Invited Speaker.** (rotigotine) systeme transdermique: Nouveau traitement de la maladie de Parkinson. UCB Canada Inc. Montreal, Quebec, Canada.
- 2013 Oct 9 **Presenter.** Optimizing levodopa-based treatment: novel formations. II Joint Congress LIMPE/DISMOV-SIN. Roma, Italy. XL LIMPE National Congress/VII National Conference.
- 2013 Feb 27 **Invited Speaker.** The Postural and Gait Disorders. Fondazione Istituto San Raffaele C. Giglio di Cefalu. Palermo, Italy. 3rd Rehabilitation course and clinical neurophysiology.
- 2013 Feb 16 **Lecturer.** Postural and gait abnormalities. PD Summit: multidisciplinary aspects of parkinson's disease. Firenze, Italy. Workshop: co-lecturer Dr. Carmine Vitale.
- 2012 Oct 20 **Presenter.** Pharmacological and surgical approaches: the boundary between epilepsy and movement disorders. Department of Neurology and Psychiatry, Policlinico Umberto i Universita Sapienza. Roma, Italy. Epilepsy a Movement: Start-up of a group of interdisciplinary study.

Organization Committee

- 2018 Oct 22 VII Advanced Course on Diagnosis and Treatment of Movement Disorders. Italy. Presenter(s): Alberto Espay, **Alfonso Fasano**, Francesca Morgante. October 22-25, 2018.

Alfonso FASANO

- 2017 Oct 9 VI Residential Course on Diagnosis and Treatment of Movement Disorders. Italy. Presenter(s): Alberto Espay, **Alfonso Fasano**, Francesca Morgante. October 9-12, 2017.
- 2016 Oct 11 Fifth Advanced Course on Diagnosis and Treatment of Movement Disorders. Tivoli Terme, Italy. Alberto Espay, **Alfonso Fasano**, Francesca Morgante October 11-14, 2016.
- 2015 Oct 26 IV Residential Course on Diagnosis and Treatment of Movement Disorders. Taormina, Italy. Alberto Espay, **Alfonso Fasano**, Francesca Morgante October 26-29, 2015.
- 2014 Jul 5 DBS Canada Day The Scientific Committee supported by Medtronic of Canada LTD. Toronto, Ontario, Canada.
- 2014 Apr 8 3rd Residential Course on Diagnosis and Treatment of Movement Disorders. Camolli, Genova, Italy. Presenter(s): Alberto Espay, **Alfonso Fasano**, Francesca Morgante.
- 2013 Jan 24 2nd Residential Course on Diagnosis and Treatment of Movement Disorders. Nusco, Italy. Presenter(s): Alberto Espay, **Alfonso Fasano**, Francesca Morgante January 24-27, 2013.
- 2012 Oct 20 Department of Neurology and Psychiatry, Policlinico Umberto i Universita Sapienza. Roma, Italy. Epilepsy a Movement: Start-up of a group of interdisciplinary study.

3. LOCAL

Invited Lectures and Presentations

- 2019 Jun **Invited Speaker.** Toronto, Ontario, Canada. Rehab Week Toronto 2019 - June 24-28, 2019.
- 2018 Dec 7 **Invited Speaker.** Toronto Western Normal Pressure Hydrocephalus Clinic. Division of Neurology, University of Toronto. Toronto, Ontario, Canada. Presented at the 32nd McEwan-Jones Visiting Professorship Neurology Faculty Research Day.
- 2018 Sep 29 **Invited Speaker.** Hyperkinetic Movement Disorder. Toronto, Ontario, Canada. Neurology Update: Approach to the Diagnosis & Initial Management of Commonly Encountered Neurological Conditions in Family & Emergency Practice.
- 2018 Apr **Invited Speaker.** Neuromodulacion Cerebral Profunda. Centre educative del Instituto. Mexico. Course for Neurologists, Neurosurgeons, Neuropsychiatrists, Fellows and Medical Residents
Presentation Title: Pearls and pitfalls of DBS programming in PD.
- 2018 Apr **Invited Speaker.** Simposio: Enfermedad de Parkinson. Universidad Autonoma de Nuevo Leon. Mexico. Presentation Title: Risks of falls in Parkinson
Presentation Title: DBS and new targets.
- 2018 Apr **Invited Speaker.** Parkinson GDL 2018. Mexico. Presentation Title: Future treatments in Parkinson's disease.
Presentation Title: Long-term results of surgical management in Parkinson's disease
Presentation Title: Unusual abnormal movements.
- 2018 Apr **Invited Speaker.** DBS Leaders. Medtronic. Arizona, United States. Presentation Title: Personalized vs. precision approaches to neuromodulation.
- 2018 Apr **Invited Speaker.** Creative Minds: Conversations on the benefits of art on neurological conditions. Villa Charities and Istituto di Cultura. Toronto, Ontario, Canada.
- 2017 Dec 11 **Chair.** NPH - Normal Pressure Hydrocephalus: A treatable dementia. Medtronic. Toronto, Ontario, Canada. Special Education Event. BMO conference Centre - Krembil Discovery Tower, Toronto Western Hospital.

- 2017 Oct 15 **Invited Speaker.** A movement disorders neurologist update on cervical dystonia including deep brain stimulation. Canadian Association of Orthopaedic Medicine. Ontario, Canada.
- 2017 Oct 14 **Invited Speaker.** DBS & Surgical Therapies. The Victory Summit Toronto. Toronto, Ontario, Canada.
- 2017 Jun 30 **Invited Lecturer.** Surgical Management of Movement Disorders. University of Toronto, Division of Neurology. Canada. Academic half-day curriculum for adult and paediatric neurology residents.
- 2017 Feb 10 **Invited Speaker.** Professor's Rounds. University of Toronto, Division of Neurology. Toronto, Ontario, Canada. Academic half-day curriculum for adult and paediatric neurology residents.
- 2016 Dec 9 **Invited Speaker.** Recent advances in surgical treatment of movement disorders. Division of Neurology, University of Toronto. Toronto, Ontario, Canada. Faculty Research Day.
- 2016 Nov 18 **Invited Speaker.** Recent advances in essential tremor: surgical treatment. David Braley Research Centre, Hamilton General Hospital. Hamilton, Ontario, Canada.
- 2016 Oct 4 **Invited Speaker.** Treating Parkinson's Disease with Technology. UHN Movement Disorders Speaker Series. Toronto, Ontario, Canada. Presenter(s): Dr. **Alfonso Fasano** & Dr. Renato Munhoz.
- 2016 Mar 9 **Invited Panelist.** DBS Think Tank. Center for Movement Disorders and Neurorestoration. Gainesville, Florida, United States. Deep Brain Stimulation Think Tank IV March 9-11, 2016.
- 2015 Feb 21 **Invited Speaker.** Movement Disorders. EMD Serono. Mississauga, Ontario, Canada. LAUNCH Residents' Review and Development Program; February 19-21, 2015.
- 2015 Jan 23 **Speaker.** 10th Annual J.C. Richardson Neurology Subspecialty Day. University of Toronto, Division of Neurology. Toronto, Ontario, Canada. Presenter(s): Dr. **Alfonso Fasano**. Debate on L-Dopa vs Dopamine Agonists.
- 2014 Sep 30 **Speaker.** Parkinson Education Forum. Parkinson Society Central and Northern Ontario. Toronto, Ontario, Canada. Presenter(s): Dr. **Alfonso Fasano**. Doudopa, Deep Brain Stimulation.
- 2013 Oct 15 **Presenter.** Parkinson's disease: Beyond the oral treatment (patches, pumps and electrodes). UCB Canada Inc. Toronto, Ontario, Canada.
- 2013 Sep 27 **Presenter.** Deep Brain Stimulation for Parkinson's disease: 2013 and beyond. Division of Neurology, University of Toronto. Toronto, Ontario, Canada. City-Wide Neurology Grand Rounds.
- 2013 Jun 8 **Presenter.** Neuropro (rotigotine) National Expert Panel Meeting. UCB Canada Inc. Toronto, Ontario, Canada.

4. OTHER

Invited Lectures and Presentations

- 2019 Aug 10 **Invited Speaker.** Latin American Spasticity & Movement Disorders Masterclass. IPSEN Innovation for Patient Care. Jalisco, Mexico. Sesión De Dystonia Cervical - Seguridad en el Tratamiento on Dysport - August 10, 2019
- Anatomía Funcional - August 11, 2019.

G. Research Supervision

1. PRIMARY OR CO-SUPERVISION

Graduate Education

2014 - present **Primary Supervisor.** PhD. Dielor Basa.

Postgraduate MD

2019 Jan - 2019 Dec **Primary Supervisor.** Clinical Fellow. Ricardo Maciel.
2019 Jan - 2019 Dec **Primary Supervisor.** Clinical Fellow. Carolina Sepulveda.
2018 Oct - 2019 Sep **Primary Supervisor.** Clinical Fellow. Carolina Ramirez.
2018 Feb - 2019 Jan **Primary Supervisor.** Clinical Fellow. Derrick Soh.
2018 Jan - 2018 Dec **Primary Supervisor.** Clinical Fellow. Sreeram Prasad.
2017 Aug - 2018 Jul **Primary Supervisor.** Clinical Fellow. Vijayashankar Paramanandam.
2017 Jan - 2018 Dec **Primary Supervisor.** Clinical Fellow. Musleh Algarni.
2017 Jan - 2017 Jun **Primary Supervisor.** Clinical Fellow. Onanong Jitkriksadakul.
2016 Sep - 2016 Dec **Primary Supervisor.** Clinical Fellow. Esther Cubo.
2016 Jan - 2016 Dec **Primary Supervisor.** Clinical Fellow. Mohammad Rohani.
2015 Jul - 2016 Jun **Primary Supervisor.** Core Program. Sarah Lidstone.
2015 Jul **Primary Supervisor.** Core Program. Hamlal Jalal.

2. OTHER SUPERVISION

Graduate Education

Thesis Examiner

2015 May **PhD.** Kaylena Ehgoetz Martens.

Postgraduate MD

Secondary Supervisor

2018 Jul - 2019 Jun **Clinical Fellow.** Aakash Shetty. Supervisor(s): Anthony Lang.
2018 Jul - 2019 Jun **Clinical Fellow.** Karlo Lizarraga. Supervisor(s): Anthony Lang.
2018 Jan - 2018 Jun **Clinical Fellow.** David Breen. Supervisor(s): Anthony Lang.
2017 Jul - 2017 Dec **Clinical Fellow.** Shahad Al-Muammar. Supervisor(s): Anthony Lang.
2017 Jul - 2017 Dec **Clinical Fellow.** Tara Rastin. Supervisor(s): Anthony Lang.
2017 Jan - 2017 Jun **Clinical Fellow.** Julien Bally. Supervisor(s): Anthony Lang.
2017 Jan - 2017 Jun **Clinical Fellow.** Marta Ruiz Lopez. Supervisor(s): Anthony Lang.
2016 Jul - 2016 Dec **Clinical Fellow.** Ariel Levy. Supervisor(s): Anthony Lang.
2016 Jul - 2016 Dec **Clinical Fellow.** Achinoam Socher. Supervisor(s): Anthony Lang.
2016 Jan - 2016 Jun **Clinical Fellow.** Salma Al-Qatani. Supervisor(s): Anthony Lang.
2015 Jul - 2016 Jun **Clinical Fellow.** Eliza De Freitas. Supervisor(s): Anthony Lang.