



International Parkinson and
Movement Disorder Society



MEDIZINISCHE
UNIVERSITÄT
INNSBRUCK

Host:

Innsbruck Medical
University

Department of Neurology

Director: Werner Poewe

Convenors:

Nadia Stefanova

Gregor K. Wenning

Venue:

Great Lecture Hall, MZA
Anichstrasse 35
6020 Innsbruck
Austria

Scientific Advisory Board:

Glenda Halliday
Poul Henning Jensen
Leonidas Stefanis
Omar El-Agnaf
Philipp Kahle
Werner Poewe
Gregor K. Wenning
Nadia Stefanova

**Local Organizing
Committee:**

Chairs: Daniela Kudzas-
Wood & Lisa Fellner
Edith Sturm
Karin Spiss
Serena Venezia
Dominik Brück
Alessandra Fanciulli
Florian Krismer
Christine Kaindlstorfer
Violetta Refolo
Gabrielle Schobesberger

International Symposium

Alpha-Synuclein: the Gateway to Parkinsonism

11th-13th February 2015

Innsbruck, Austria





Scientific Program

11th February 2015

- 12:00 - 12:10 **Opening**
Werner Poewe
- 12:10 – 12:35 **Keynote Lecture: The mysteries of Parkinson's disease**
Andrew Lees
- 12:35 - 13:00 **How to define PD**
Werner Poewe

Session 1: Genetics, environment, and alpha-synuclein

Chairs: John Hardy and Thomas Gasser

- 13:00 - 13:15 **Clinical genetics overview**
Thomas Gasser
- 13:15 – 13:30 **Limitations of GWAS**
Vincenzo Bonifati
- 13:30 – 13:45 **What is the evidence for environmental factors in PD pathogenesis?**
Philipp Kahle
- 13:45 – 14:15 **Keynote Lecture: Genetics and PD**
John Hardy
- 14:15 – 14:45 **Round Table Discussion**
- 14:45 - 15:00 **Coffee break**

Session 2: Advances in PD Biomarkers

Chairs: Werner Poewe and Michael Schlossmacher

- 15:00 - 15:15 **Advances in PD biomarkers: CSF**
Paolo Calabresi
- 15:15 - 15:30 **Advances in diagnostic antibody development and application**
Omar El-Agnaf
- 15:30 – 15:45 **Advances in PD biomarkers: peripheral tissues**
Jeffrey Kordower
- 15:45 – 16.00 **Advances in PD biomarkers: Imaging**
Klaus Seppi



16:00 – 16:30 **Keynote lecture: PPMI**
Kenneth Marek

16:30 - 16:45 **Round Table Discussion**

16:45 - 17:15 **Coffee break**

Session 3: Non-motor aspects of PD

Chairs: Paolo Barone and Eduardo Tolosa

17:15 - 17:30 **Pre-motor aspects of PD: Autonomic failure**
Gregor K. Wenning

17:30 - 17:45 **Pre-motor aspects of PD: Gastrointestinal disorders**
Eduardo Tolosa

17:45 - 18:00 **Pre-motor aspects of PD: Cognitive dysfunction**
David Burn

18:00 - 18:15 **Non-motor symptoms in advanced PD**
Paolo Barone

18:15 - 18:30 **Neuropathological correlates of non-motor features in PD**
Eduardo Benarroch

18:30 – 19:00 **Keynote lecture: Alpha-synuclein propagation underlying motor and non-motor progression: insights from animal models**
Patrik Brundin

19:00 – 19:15 **Round Table Discussion**

12th February 2015

Session 4: Intracellular disruption by alpha-synuclein

Chairs: Philipp Kahle and Maria Grazia Spillantini

09:00 – 09:15 **Normal function and conformational plasticity of alpha-synuclein**
Hilal Lashuel

09:15 – 09:30 **Autophagy and alpha-synuclein**
Leonidas Stefanis

09:30 – 09:45 **Lysosomes, GBA and alpha-synuclein**
Michael Schlossmacher

09:45 – 10:00 **Endoplasmic reticulum stress and alpha-synuclein**
Michael Lee



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10:00 - 10:15

Synaptic failure and alpha-synuclein

Maria Grazia Spillantini

10:15 - 10:30

Alpha-synuclein mediated cellular disruption and lipid packing

Celine Galvagnion

10:30 - 11:00

Round Table Discussion

11:00 – 14:00

Session 5: Lunch Break with Poster Tour



12th February 2015

Session 6: Extracellular alpha-synuclein

Chair: Poul Henning Jensen and Glenda Halliday

- 14:00 – 14:15 **How is extracellular alpha-synuclein generated?**
Frederik Vilhardt
- 14:15 – 14:30 **How does extracellular alpha-synuclein play roles in the pathogenesis
and how is it processed?**
Seung-Jae Lee
- 14:30 - 14:45 **How does exogenous alpha-synuclein get access to the endogenous
alpha-synuclein proteins?**
Masato Hasegawa
- 14:45 – 15:00 **Alpha-synuclein progression from enteric neurons**
Francisco Pan-Montojo
- 15:00 - 15:15 **Viral modeling of alpha-synuclein propagation**
Donato Di Monte
- 15:15 - 15:45 **Keynote lecture: Neuropathological studies – new insights**
Glenda Halliday
- 15:45 - 16:15 **Round Table Discussion**
- 16:15 - 16:45 **Coffee break**

Session 7: Multiple system atrophy

Chairs: Nadia Stefanova and Eliezer Masliah

- 16:45 – 17:00 **Clinical presentation and natural history in a North American cohort**
Horacio Kaufmann
- 17:00 – 17:15 **Neuropathology of MSA: an update**
Janice Holton
- 17:15 - 17:30 **New insights into pathomechanisms**
Nadia Stefanova
- 17:30 - 17:45 **Preclinical target discovery**
Poul Henning Jensen
- 17:45 - 18:15 **Round Table Discussion**



13th February 2015

Session 7: Emerging therapies

Chairs: Werner Poewe and Michael Schlossmacher

- 09:00 - 09:15 **What's in the pipeline for drug therapy**
Olivier Rascol
- 09:15 – 09:30 **Neurostimulation for PD**
Günther Deuschl
- 09:30 – 09:45 **Dopamine grafts in PD: an update of the TRANSEURO project**
Roger Barker
- 09:45 – 10:00 **Anle138b: ready for clinical trials?**
Armin Giese
- 10:00 – 10:15 **Passive immunization therapies**
Karina Fog
- 10:15 – 10:30 **Active Immunization therapies**
Achim Schneeberger
- 10:30 – 11:00 **Keynote Lecture: What are the bottlenecks for target discovery in synucleinopathies**
Eliezer Masliah
- 11:00 – 11:30 **Round Table Discussion**
- 11:30 - 12:00 **Presentation of Poster Prizes**
- 12:00 - 12:15 **Closing Remarks**
- 12:15 - 13:30 **Farewell Lunch**