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LUNDBECK FOUNDATION

METAL IONS IN NEURODEGENERATIVE DISEASE (MIND)

Monday 29 June

12:00–13:00 Registration ODEON, Odense

13:00–13:10 Welcome

13:10–13:40 Mi Hee Lim (Keynote)
KAIST, South Korea
Chemical (bioinorganic) strategies to study multiple facets of dementia

13:40–14:00 Yoshiaki Furukawa (Invited Lecture)
Keio University, Yokohama, Japan
Misfolding of Cu/Zn-superoxide dismutase associated with neurodegenerative diseases

14:00–14:15 Monika Lesiów (Contributed)
University of Wrocław, Poland
Copper-presenilin 1 redox chemistry in Early-Onset Alzheimer's Disease

14:15–14:30 Aleksandra Hecel (Contributed)
University of Wrocław, Poland
Function-specific coordination chemistry of copper in bacteria homeostasis

14:30–14:45 Gianella Facchin (Contributed)
University of the Republic (Udelar), Uruguay
Copper complexes: interplay between cytotoxic activity and chemical properties

14:45–15:05 Peter Lay (Invited Lecture)
University of Sydney, Australia
Vanadium(V) complexes for neuroprotective treatment of brain cancers

15:05–15:35 Coffee break

15:35–16:05 Liliana Quintanar Vera (Invited Lecture)
Cinvestav, Mexico City, Mexico
Metal–protein interactions in Alzheimer's disease

16:05–16:20 Claire Deville (Contributed)
Technical University of Denmark, Denmark
Production of non-mainstream radiometals

16:20–16:35 Viktor Lebruška (Contributed)
Charles University, Czech Republic
68-Gallium labelling for tumor and bone imaging

16:35–16:55 Tim Storr (Invited Lecture)
Simon Fraser University, Canada
Multifunctional compounds inhibiting amyloid-β aggregation

16:55–17:25 Angela Casini (Keynote)
Technical University of Munich, Germany
Supramolecular strategies for BBB translocation and theranostics

17:30–19:00 Poster Session & refreshments

Tuesday 30 June

08:30–09:10 Marinella Marzanti (ICCC Plenary)
EPFL Lausanne, Switzerland

09:25–09:45 Joanna Collingwood (Invited Lecture)
University of Warwick, UK
Iron speciation in the human brain

09:45–10:15 Peter Caravan (Keynote)
Harvard Medical School, USA
Metal-based molecular imaging probes for neurodegenerative diseases

10:15–10:35 Guru Kiran Rajashekar (Contributed)
University of Mons, Belgium
Properties of Mn(II) complexes with PC2A ligands

10:35–11:00 Coffee break

11:00–11:30 Tom Meade (Keynote)
Northwestern University, USA
Programming Gd(III) Coordination Chemistry to Image the Molecular Hallmarks of Aging

11:30–11:45 Richard Holz (Contributed)
Colorado School of Mines, USA
Sulfur mobilization in Fe–S cluster assembly

11:45–12:15 Tracey Rouault (Keynote)
National Institutes of Health, USA
Iron regulatory protein 2 deficient animals overexpress ferritin, which leads to functional iron deficiency, impaired mitochondrial ATP production and impaired neuronal function

12:00–13:00 Lunch

13:10–13:40 Peter Faller (Keynote)
University of Strasbourg, France
Detection of exchangeable Cu(II) pools

13:40–14:00 Christelle Hureau (Invited Lecture)
CNRS, Toulouse, France
ATCUN peptides in Alzheimer's disease

14:00–14:15 Marie Prazakova (Contributed)
Palacký University, Czech Republic
Mn(II) complexes as MRI contrast agents

14:15–14:30 Andrew Bates (Contributed)
Colorado State University, USA
Vanadium complexes against glioblastoma

14:30–14:45 Ana Maria Da Costa Ferreira (Contributed)
University of São Paulo, Brazil
Amyloid-β aggregation inhibitors

14:45–15:05 Nick Long (Invited Lecture)
Imperial College London, UK
Imaging across the blood-brain-barrier using microbubbles and focused ultrasound

15:05–15:35 Coffee break

15:35–16:05 Luigi Zecca (Invited Lecture)
National Research Council of Italy
Neuromelanin, metals and MRI biomarkers

16:05–16:20 Fabian Mohr (Contributed)
University of Wuppertal, Germany
Maneb: structure and toxicity

16:20–16:35 Elitsa Pavlova (Contributed)
Sofia University, Bulgaria
Cu-containing nanocrystalline ferrites

16:35–16:55 Debbie Crans (Invited Lecture)
Colorado State University, USA
DUSP5 signaling pathways

16:55–17:25 Kay Double (Keynote)
University of Sydney, Australia
Superoxide dismutase 1 in Parkinson disease

17:00–17:10 Closing Remarks