

Annual Scientific IAP P6/43 Meeting

Monday 25th October 2010

Program

The Faculty Club, Groot Begijnhof 14, 3000 Leuven

Oral presentations: Room Lemaire

Poster and lunch: Room Bisschopskamer

Thematic IAP P6/43 Workshop: 'Animal models for neurodegenerative diseases'

09.00-09.30 Coffee/Poster Installation/Registration

Workshop chair: Bart De Strooper

09.30-09.45 Welcome by Bart De Strooper (Vice-coordinator & Partner 4, VIB – K.U.Leuven, Department of Molecular and Developmental Genetics & Center of Human Genetics)

09.45-10.30 Invited speaker: Prof. Luc Buée, Université Lille-Nord de France, UDSL, Inserm, Institut de Médecine Prédictive et Recherche Thérapeutique, Faculté de Médecine, Lille, France
'Intra- and extracellular facets of Tau biology'

10.30-12.00 Oral presentations

10.30-10.50 Prof. Patrick Callaerts, Laboratory of Developmental Genetics, VIB-K.U.Leuven, Leuven, Belgium – Partner 4
'Drosophila Glued, a genetic model for the identification of new genes involved in axonal transport and neurodegenerative processes'

10.50-11.10 Prof. Ludo Van den Bosch, Laboratory for Neurobiology, Vesalius Research Center, K.U.Leuven, Leuven, Belgium – Partner 5
'Mutant small heat-shock protein 27 (HSPB1) mice recapitulate the phenotype of axonal Charcot-Marie-Tooth disease and distal hereditary motor neuropathy'

11.10-11.30 Joachim Schulz, Laboratory for Neuronal Differentiation, VIB-K.U.Leuven, Center for Human Genetics, Leuven, Belgium – Partner 4
'Drosophila as a model to study ageing'

11.30-11.50 Céline Heraud, Laboratoire d'Histologie Générale, de Neuroanatomie et de Neuropathologie, Free University of Brussels, Bruxelles, Belgium – Partner 7
'Enhanced Tau pathology in a new mouse model of Alzheimer's disease overexpressing mutant APP, PS1 and Tau proteins'

12.00-14.00 **Poster session with sandwich lunch**

13.00-14.00 **Meeting of PI's and co-PI's with BELSPO representatives (Room Heilige Geesttafel)**

General IAP P6/43 meeting

Session 1 **Chair: Wim Annaert**

- 14.00-14.10 Welcome by Christine Van Broeckhoven (Network coordinator & Partner 1, VIB-University of Antwerp, Department of Molecular Genetics, Neurodegenerative Brain Diseases Group)
- 14.10-14.30 Gernot Kleinberger, Neurodegenerative Brain Diseases Group, Department of Molecular Genetics, VIB; Laboratory of Neurogenetics, Institute Born-Bunge; University of Antwerp; Antwerpen, Belgium – Partner 1
'A cell culture model for progranulin deficiency'
- 14.30-14.50 Nathalie Pierrot, Institute of Neuroscience, School of Medicine, University of Leuven, Bruxelles, Belgium – Partner 8
'Amyloid Precursor Protein regulates SREBP-mediated neuronal cholesterol homeostasis'
- 14.50-15.10 Leonardo Almeida-Souza, Peripheral Neuropathy Group, Department of Molecular Genetics, VIB; Laboratory of Neurogenetics, Institute Born-Bunge; University of Antwerp; Antwerpen, Belgium – Partner 3
'CMT-associated HSPB1 mutations affect microtubule stability'
- 15.10-15.30 Joy Irobi, Peripheral Neuropathy Group, Department of Molecular Genetics, VIB; Laboratory of Neurogenetics, Institute Born-Bunge; University of Antwerp; Antwerpen, Belgium – Partner 3
'Mutant HSPB8 causes motor neuron specific neurite degeneration'
- 15.30-15.50 Prof. Wim Vandenberghe, Neurobiology, Vesalius Research Center, University of Leuven, Leuven, Belgium – Partner 5
'Parkin interacts with Ambra1 to induce mitophagy'

15.50-16.20 Coffee/Tea

Session 2 **Chair: Christine Van Broeckhoven**

- 16.20-16.40 Julie van der Zee, Neurodegenerative Brain Diseases Group, Department of Molecular Genetics, VIB; Laboratory of Neurogenetics, Institute Born-Bunge; University of Antwerp; Antwerpen, Belgium – Partner 1
'Replication of the 1st genome-wide association findings on FTLD in a Flanders-Belgian sample'

- 16.40-17.00 Bram Meeus, Neurodegenerative Brain Diseases Group, Department of Molecular Genetics, VIB; Laboratory of Neurogenetics, Institute Born-Bunge; University of Antwerp; Antwerpen, Belgium – Partner 1
'Dementia with Lewy bodies: a role for mutations in dementia and Parkinson disease genes'
- 17.00-17.20 Elly Geerts, Laboratory of Neurochemistry & Behaviour, Institute Born-Bunge; University of Antwerp, Antwerpen, Belgium – Partner 2
'Sleep and circadian rhythm in the APP23 mouse model of Alzheimer's disease'
- 17.20-17.40 Lujia Zhou, Neuronal Cell Biology and Gene Transfer, Department of Molecular and Developmental Genetics, VIB, University of Leuven, Leuven, Belgium – Partner 4
'Inhibition of β -secretase in vivo via antibody binding to unique loops (D and F) on BACE1'
- 17.40-18.00 Marc Gistelink, Laboratory of Developmental Genetics, Department of Molecular and Developmental Genetics, VIB, University of Leuven, Leuven, Belgium – Partner 4
'A forward-genetic mosaic screen to identify novel modifiers of tauopathy in Drosophila'

18.00-19.00 Conclusions & Drink

Poster presentations

1. Kunie Ando
2. Naouel Ben Khalifa
3. Nathalie Brouwers
4. Katrijn Coen
5. David Crosiers
6. Raquel da Cunha
7. Louis De Muynck
8. Biljana Ermanoska
9. Christelle Frédérick
10. Ilse Gijssels
11. Anne Holmgren
12. Nathalie Le Bastard
13. Karelle Leroy
14. Frederic Rousseau & Joost Schymkowitz
15. Ragna Sannerund
16. Kim Staats
17. Virginie Stygelbout
18. Ines Taes & Andre Bento-Abreu
19. Lies Vanden Broeck
20. Tim Van Langenhove
21. Hans Wils
22. Elke Ydens