



Symposium

"Exploring Neurodegenerative Diseases - from macro to micro scale"

Ruđer Bošković Institute (RBI), Zagreb
Lecture hall - building no. III

30 - 31 March 2026

PROGRAMME

March 30th 2026:

- 9:30 - 10:00 Welcome Coffee/Tea Time
- 10:00 - 10:15 **Silva Katušić** (Ruder Boskovic Institute-Zagreb, Croatia) – Welcome address
- 10:15 - 10:45 **Silva Katušić** (Ruder Boskovic Institute-Zagreb, Croatia) – Introduction: „*Alzheimer's disease and Niemann-Pick type C disease – two etiologically distinct disorders that share several features*“
- 10:45 - 11:15 **Ivo Barić** (University Hospital Centre Zagreb, Croatia): "*Niemann-Pick disease type C: Clinical presentation and diagnostic procedures*"
- 11:15 - 11:45 **Eugen Mengel** (SphinCS GmbH, Hochheim, Germany): "*What we can learn from NPC patients about neurodegeneration*"
- 11:45 - 12:15 **NPC patient stories**
- 12:15 - 14:00 Lunch break (Ruder Boskovic Institute-Zagreb, Croatia) – *for invited speakers only*
- 14:00 - 14:30 **Sabina Tahirovic** (DZNE-Munich, Germany): "*Brain cell crosstalk and regional vulnerability in Niemann-Pick type C*"
- 14:30 - 15:00 **Vincent Mercier** (ACCESS Geneva, Switzerland): „*The disease associated mutation R203W of PACS1 protein interacts more with membranes and stimulates the endolysosomal trafficking*“
- 15:00 - 15:30 **Lea Vidatić** (Ruder Boskovic Institute-Zagreb, Croatia): „*Organelle profiling in the cellular model of Niemann-Pick type C disease*“
- 17:00 - 19:00 Zagreb city center walking tour – *for invited speakers only*
- 19:00 - 21:00 Dinner (Zagreb city center) – *for invited speakers only*



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March 31st 2026:

- 10:00 - 10:30 **Diana Cash** (BRAIN center, King's College London, United Kingdom): *"Brain imaging in rodent models of neurodegeneration"*
- 10:30 - 11:00 **Eugene Kim** (BRAIN center, King's College London, United Kingdom): *"Imaging transcriptomics of genetically altered mouse models of brain disorders"*
- 11:00 - 11:30 **Marija Petrinovic** (BRAIN center, King's College London, United Kingdom): *"Behavioural phenotyping of rodent models of brain disorders"*
- 11:30 - 11:45 Break
- 11:45 - 12:15 **Božana Blažević**, PhD student (Ruder Boskovic Institute-Zagreb, Croatia): *"Brain imaging and brain cell profiling in a mouse model of NPC disease"*
- 12:15 - 12:45 **Ana-Marija Bogner**, PhD student (Ruder Boskovic Institute-Zagreb, Croatia): *"Cell-type-specific membrane tension signatures of mouse-derived NPC1 brain cells."*
- 12:45 - 13:15 **Matthias Prestel** (DZNE-Munich, Germany): *"Pathomolecular profiles of microglia in Alzheimer's disease"*
- 13:15 - 13:30 Sum-up and Future Directions (moderator Silva Katušić)
- 13:30 - 15:30 Farewell lunch (Ruder Boskovic Institute-Zagreb) – *for invited speakers only*

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