



Symposium

"Exploring Neurodegenerative Diseases - from macro to micro scale"

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

March 30th & 31st 2026.

P R O G R A M M E

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*



Symposium

"Exploring Neurodegenerative Diseases - from macro to micro scale"

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

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"*
- 11:30-12:00 **Božana Blažević**, PhD student (Ruder Boskovic Institute-Zagreb, Croatia): *"Brain imaging and brain cell profiling in a mouse model of NPC disease"*
- 12:00-12:30 **Ana-Marija Bogner**, PhD student (Ruder Boskovic Institute-Zagreb, Croatia): *"Cell-type-specific membrane tension signatures of mouse-derived NPC1 brain cells."*
- 12:30-13:00 **Matthias Prestel** (DZNE-Munich, Germany): *"Pathomolecular profiles of microglia in Alzheimer's disease"*
- 13:00-13:30 Sum-up and Future Directions (moderator Silva Katušić)
- 13:30 – 15:30 Farewell lunch (Ruder Boskovic Institute-Zagreb) – *for invited speakers only*

Supported by the Croatian Science Foundation under the project number HRZZ- IP-2022-10-7325, the European Union NextGenerationEU programme under the project number NPOO-DOK-2023-10-6286 and the program for increasing participation in competitive project financing of the Ruđer Bošković Institute internall call under the project number KP2-25.