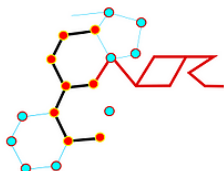


15th Meeting of the European Network for Oxysterol Research

Stockholm, Sweden
September 14th - 15th, 2026



Oxysterols: signaling molecules, therapeutic targets, and biomarkers in health and disease



Karolinska University Hospital • Aula J3:06 Ulf von Euler, Bioclinicum • Solnavägen 30, Stockholm

Hosted by Silvia Maioli laboratory,
Division of Neurogeriatrics, Center for Alzheimer Research
Department of Neurobiology, Care Sciences and Society
Karolinska Institutet



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**Karolinska
Institutet**

15th Meeting of the European Network for Oxysterol Research (ENOR)

***Oxysterols: signaling molecules, therapeutic targets,
and biomarkers in health and disease***

DAY 1

Monday, September 14th

- 08:00 - 08:20: **Registration, coffee and tea**
- 08:20 - 08:30: **Welcome**
Silvia Maioli

Session 1: Oxysterol analysis and biomarkers

Chairs: James Thorne and Hanne Røberg-Larsen

- 08:30–09:00: **“A Publicly Accessible Sterol and Steroid Atlas of Mouse Brain”**
William Griffiths and Shazia Khan
- 09:00–09:20: **“Microbial Transformation of Bile Acids in the Gut: Quantification of Oxo- and Iso-Bile Acids by LC–MS/MS”**
Silke Matysik
- 09:20–09:40: **“Oxysterol profiles in the lung reflect host–pathogen co-metabolism and identify active tuberculosis”**
Andrew Roth
- 09:40–10:00: **“Miniaturized liquid chromatography-mass spectrometry (LC-MS) platform for studying oxysterols in PFAS-exposed liver organoids”**
Kristina Sæterdal Kømurcu

10:00–10:20: Coffee break, refreshments

- 10:20–10:40: **“Statin-induced alterations of free sterols and tocopherols in human plasma quantified by RP-UHPLC/MS/MS”**
Yasmin Kadyrbekova
- 10:40–11:00: **“Beyond Instrumental Performance: Reassessing Analytical Uncertainty in Sterol Oxidation Product Determination”**
Vladimiro Cardenia
- 11:00–12:00: **“Six decades with Oxysterols – Ingemar Björkhem’s scientific work”**
Plenary lecture by Dieter Lütjohann

12:00–14:00: Lunch and poster session (open space outside the seminar room)

Session 2: Oxysterols in neurological and age-related disorders

Chairs: Ljerka Delac and Shubhrima Ghosh

- 14:00–14:20: “The Role of CYP46A1 in Brain Health and Alzheimer’s Disease Risk in Women”

Silvia Maioli

- 14:20–14:40: “CYP46A1 Links Cholesterol Metabolism to Autophagy–Lysosome Dynamics in Niemann–Pick Type C disease”

Elsa Rodrigues

- 14:40–15:00: “Investigating 27-hydroxycholesterol-induced cholesterol crystal formation in retinal cells with NPC1 and NPC2 deficiency”

Line Lauritsen

- 15:00–15:20: “Olive oil-derived hydroxytyrosol protects against oxysterol-induced neuroinflammation in Alzheimer’s disease through modulation of the SIRT1/TLR4/NFκB pathway”

Gabriella Testa

- 15:20–15:40: **Poster Blitz** - *One minute presentations from selected abstracts*

Paola Gamba, Francesca Erolì, Juliette Salvi, Erik Bargagni, Tako Takeuchi, Kersti Karu

15:40–16:20: Coffee break, poster viewing

- 16:20–16:40: “Fucosterol modulates cholesterol metabolism and prevents cognitive decline in APP^{swe}PS1ΔE9 mice”

Monique Mulder

- 16:40–17:00: “Oxysterols aid microglial activation and chemotaxis of immune cells to promote neurodegeneration in a mouse model of tauopathy”

Anil Cashikar

- 17:00–17:20: “ApoE genotype-dependent alterations in oxysterol profiles in human iPSC-derived astrocytes”

Irundika Dias

17:20–17:30: Stretch break

17:30 - 18:00: General ENOR assembly

James Thorne

18:00–18:30: Poster session & networking

18:30: Dinner and networking (Floor 9, Bioclinicum)

Including social activities planned by the Maioli lab

Session 3: Oxysterols signaling and disease mechanisms

Chairs: Jean-Marc Lobaccaro and Anil Cashikar

- 08:40–9:40: “**Signaling roles of oxysterols in maintaining lipid homeostasis and triggering immune responses**”

Plenary lecture by Arun Radhakrishnan

- 09:40–10:00: “**Deciphering the impact of inflammation and oxysterol-mediated metabolic regulation on blood–brain barrier (dys)functions**”

Fabien Gosselet

10:00–10:20: Coffee break, refreshments

- 10:20–10:40: “**24S-hydroxycholesterol arrested glioblastoma cells in the G2 phase in an LXR dependent manner**”

Yasuomi Urano

- 10:40–11:00: “**LXR Links Cholesterol Metabolism to Ferroptotic Susceptibility in Macrophage**”

Raimondo Lea

- 11:00–11:20: “**LXR pathway activation in pregnancy drives maternal adaptations that increase lipid supply to the fetus**”

Marika Charalambous

- 11:20–11:40: “**Role of the hdl scavenger receptor class b type 1 (scarb1) in meta-stazing prostate cancer**”

Martina De Sousa

- 11:40–12:00: **Poster Blitz** - *One minute presentations from selected abstracts*

Shubhrima Ghosh, Tinkara Kreft, Martin Roumain, Chris Elvin, Alzbeta Spalenkova, Justine Robin, Maurice Konings

12:00–13:30: Lunch and poster viewing (open space outside the seminar room)

Chairs: Elsa Rodrigues and Maurice Konings

- 13:30–13:50: “**25-Hydroxydihydrolanosterol as a bioactive oxysterol linking disrupted cholesterol biosynthesis to hepatic transcriptional remodeling**”

Skubic Cene

- 13:50–14:10: “**24-hydroxycholesterol suppresses steroid 5 α -reductase-catalyzed conversion in human glioblastoma cell lines**”

Maria Norlin

- 14:10–14:30: “**Investigating the role of oxidized cholesterol in the immune response to Mycobacterium tuberculosis (Mtb) infection**”

Naila Abro

14:30 - 15:00: Awards and closing remarks

Silvia Maioli, James Thorne, Hanne Røberg-Larsen and Jean-Marc Lobaccaro