



THE SCHEELE AWARD 1961–2025



THE SCHEELE SYMPOSIUM 2025

– Lipid nanoparticles – revolutionizing drug delivery

13 November, 2025

Welcome to the Scheele Symposium in honour of the 2025 Scheele award laureate, **Professor Pieter Cullis**.

The symposium focuses on various aspects of his research which spans over several decades and has had a significant impact on both the scientific community and patients.

Overall, the symposium in honour of Professor Pieter Cullis work promises to be a stimulating and informative event that highlights the remarkable achievements of one of the leading figures in groundbreaking drug delivery systems and offers an opportunity for researchers to engage in meaningful discussions and collaborations. Drug delivery of new drug modalities using lipid nanoparticles within several different therapeutical areas will be highlighted during the day.

Program

- 09.00 Registration
09.30 **Welcome**
Lena Ring, Swedish Pharmaceutical Society
09.45 **Introduction**
Moderator *Randi Nordström*, RISE Research Institutes of Sweden
10.05 **Lipid Nanoparticles for mRNA delivery: Understand structure to tune function**
Federica Sebastiani, University of Copenhagen
10.30 Break
11.00 **Lipodisks for co-delivery of chemotherapeutic drugs and membranolytic anticancer peptides**
Katarina Edwards, Uppsala University
11.25 **Towards understanding how lipid nanoparticle structure impacts their performance for breast cancer applications**
Hanna Barriga, KTH Royal Institute of Technology, Stockholm
11.50 **Big Molecules and Small Particles**
Lennart Lindfors, AstraZeneca, Gothenburg
12.15 Lunch & Networking
13.45 **Synthetic and cell-derived lipid vesicles in drug delivery**
Margaret Holme, Chalmers University of Technology, Gothenburg
14.10 **Transthyretin amyloidosis –a pilot study in LNPs and novel gene interventions**
Björn Pilebro, Umeå University
14.35 **Nature-inspired nanotechnology for RNA delivery to immune cells**
Roy van der Meel, Eindhoven University of Technology
15.00 Break
15.30 **Scheele Award Lecture: Lipid Nanoparticles Are Enabling Gene Therapies For Most Human Diseases**
Pieter Cullis, The University of British Columbia, Canada
16.00 **Scheele Award Ceremony**
Johanna Wikman, Swedish Pharmaceutical Society
Award presenter: *Lina Nordquist*, Member of the Riksdag
16.15 **Panel debate/discussions – all speakers**
17.00 End



Randi Nordström



Federica Sebastiani



Katarina Edwards



Hanna Barriga



Lennart Lindfors



Margaret Holme



Björn Pilebro



Roy van der Meel



Lina Nordquist