

1st PRISMAS Summer School



Sunday, June 8, 2025 - Friday, June 13, 2025

Backagården

School Programme

Sunday 8. June

17:00 Bus leaves MAX IV

17:30 Arrival at Backagården

18:00 Dinner

19:00-20:00 Lecture - Håkan Wallande, Lund University

"Soils, mycorrhizal associations and a vision for a future agriculture"

20:00 Welcome reception

Monday 9. June

7:30 Breakfast

8:30-9:15 Lecture - Francesca Curbis, Lund University

"Synchrotron Radiation: Generation and Properties"

9:15-10:00 Lecture - Peter Sondhauss, MAX IV Laboratory

"Beamline Design and Components"

10:00 Coffee Break

10:30-11:15 Lecture - Gunnar Öhrwall, MAX IV Laboratory

"Overview of synchrotron techniques"

11:15-12:00 Lecture - Marjolein Thunnissen, MAX IV Laboratory

"Introduction to X-ray diffraction"

12:00 Lunch

13:15-14:00 Lecture - Sven Lidin, Lund University

"Stistaite - A perfect storm"

14:00 Coffee Break

14:30-16:00 Lecture - Ann Terry, MAX IV Laboratory

"Introduction and applications of small angle scattering"

16:00-18:00 Group work – preparation for practicals

18:00 Dinner

Tuesday 10. June

7:30 Breakfast

8:30 Bus to MAX IV

9:00-12:00 Practicals with beamline hosts

12:00 Lunch

13:00-17:00 Practicals with beamline hosts

17:30 Pizza Dinner at MAX IV

19:30 Bus to Backagården

Wednesday 11. June

7:30 Breakfast

8:30-9:15 Lecture & Workshop - Cameron Neylon, Curtin University

"Open science and Research Data Management"

9:15-11:15 Continue with Lecture & Workshop

10:00 Coffee during the Workshop

11:15-12:00 Lecture - Andrea Scotti, Lund University

"Neutrons or X-rays, that is the question!"

12:00 Lunch

13:15-14:00 Lecture - Derek Logan, SARomics Biostructures AB and Lund University

"Synchrotrons and structural biology in the pharmaceutical industry"

14:00-14:45 Lecture - Mathias Norrman, Novo Nordisk A/S

"TBD"

14:45-15:30 Lecture - Lars Fahl Lundegaard, Haldor Topsoe A/S

"TBD"

15:30 Coffee break

16:00-16:45 Lecture - Mira Viljanen, MAX IV Laboratory

“Scanning X-ray Scattering Imaging for Nanoscale Structural Mapping of Lignocellulosic Systems”

16:45-17:30 Lecture - Rebecca Pittkowski, Copenhagen University

“Pair Distribution Function (PDF) basics and applications”

18:00 BBQ Dinner

Thursday 12. June

7:30 Breakfast

8:30-9:15 Lecture - Dorthe Ravnsbæk, Aarhus University

“What a mess: Unraveling disorder in battery electrodes”

9:30-12:00 Workshop *Proposal writing*

10:00 Coffee during the Workshop

12:00 Lunch

13:00 Excursion / free afternoon

18:00 Dinner

20:00 Social Gathering

Friday 13. June

7:30 Breakfast

8:30-10:00 Student Elections, School Evaluation & Group work *Finalize presentations*

10:00 Coffee break

10:15-12:00 School Evaluation & Group presentations

12:00 Take-away Lunch

13:00 Bus to Lund