

NEMI Day 2023 “Imaging Processes”

The Netherlands Electron Microscopy Infrastructure (NEMI) is happy to invite you to the **2023 NEMI day on October 12th in Eindhoven!** This year’s theme will be ‘Imaging Processes’ focusing on scientific research that investigates the dynamic nature of specimens across both life and materials sciences (LS & MS).

October 12th, 2023

10:00-10:30 **Reception with coffee & tea**

10:30-10:45 **Welcome**

10:45-11:30 **Dr. See Wee Chee** (MS – invited - Fritz Haber Institute Berlin)
Studying Electrocatalysts during Reaction with Operando Electrochemical Cell Transmission Electron Microscopy

11:30-11:45 Daniel Hurdiss (LS – contributed – UU)
Sweet Secrets of Common Cold Coronaviruses

11:45-12:00 Nikolai Orlov (MS – contributed – AMOLF)
Improving the quality of EBSD analysis for beam-sensitive materials

12:00-12:15 Nicole van der Wel (LS – contributed – Amsterdam UMC)
Imaging DNA condensation and its bactericidal effect on Mycobacteria tuberculosis

12:15-13:30 **Lunch + Posters + Networking**

13:30-14:15 **Prof. Rouslan Efremov** (LS – invited – VIB-VUB Center for Structural Biology)
Towards resolving dynamics of molecular machines using time-resolved cryo-EM

14:15-14:30 Jason Heinrichs (MS – contributed – TU/e)
Visualizing the impregnation of mesoporous materials by cryo-ET

14:30-14:45 Luco Rutten (LS – contributed – RadboudUMC)
A Cryo-/Liquid Phase Correlative Light Electron Microscopy Workflow to Visualize Processes in Graphene Liquid Cells

14:45-15:00 Sense Jan van der Molen (MS – contributed – Leiden University)
Of photons and electrons: optical near-field electron microscopy (ONEM)

15:00-15:30 **Coffee + tea**

15:30-16:00 **Dr. Wiebke Albrecht** (MS – invited – AMOLF)
Combining light and electron microscopy for material science: from ex situ to future in situ capabilities

16:00-16:30 **Dr. Alexander Belyy** (LS – invited – RUG)
Molecular mechanisms of bacterial toxins

16:30-17:30 **Drinks**