

Medical Genetics Center South-West Netherlands
- MGC -

Course

Protein aggregation disorders: from clinic to therapy

November 24-25, 2022
LUMC, Leiden

Organizers: **Ronald Buijsen, Wim Mandemakers, Vered Raz, Willeke van Roon-Mom**

Molecular Mechanism regulating protein accumulation and folding

Mitochondrial dysfunction
Autophagy
The UPS

Pier Mastroberardino (Erasmus MC)
Mario Mauthe (UMCG)
Monique Mulder (LUMC)

Structure and single molecule dynamics

Single molecule approaches
Structural analysis of aggregated proteins using NMR
Imaging the molecular details using cryoEMOPMD

Alireza Mashaghi Tabari (LACDR)
Patrick van der Wal (UMCG)
Thom Sharp (LUMC)

Clinics

a neurologist and a patient
Dutch ALS center

Suzanne de Bot (LUMC)
Pavol Zelina (UMCU)

Translational session - examples of therapeutic developments

Gene therapy development in the lab
Vectorized anti-aggregation antibodies
Small molecules

Willeke Roon-Mom (LUMC)
Vered Raz (LUMC)
Monique Mulder (LUMC)

Furthermore: an interactive session about translational development

Maximally 30 participants

For participation apply before November 15, 2022 to:

nivard@umc.nl

attn. of Madeleine Nivard, teaching secretariat MGC
including name, affiliation and email address

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