

Discovering a cure for LMNA: Current strategies, crazy ideas and future collaborations

A Scientific Network Session focused on Lamin A/C Cardiomyopathy
Wednesday April 13th 2022 16.00-19.00 CEST

Online via Zoom Webinar

To receive the Zoom login information please register (for free) via
<https://www.lmnacardiac.org/research-meeting/>

16.00-16.10 CEST | Welcome by Stefan Bassant & Rogier Veltrop

16.10-17.55 CEST | Experts talks about their strategy to cure Lamin A/C Cardiomyopathy (LMNA)

- 16.10 Prof. Gisèle Bonne** (Institute of Myology, Paris, France)
"Striated muscle laminopathies, from gene defects to pathomechanisms and therapeutic approaches: what are we missing?"
- 16.30 Prof. Thomas Eschenhagen** (University Medical Center Hamburg-Eppendorf, Germany)
"Gene therapy partially corrects the phenotype of a homozygous truncating LMNA"
- 16.45 Dr. Antoine Muchir** (Inserm, Paris, France)
"Pathogenesis of Lamin A/C Cardiomyopathy"

17.00-17.10 CEST | 10-minute BREAK

- 17.10 Dr. Elisa Di Pasquale** (National Research Council/ Institute of Genetic and Biomedical Research, Milan, Italy)
"iPSC-based models of cardiolaminopathy: from mechanisms to therapeutics"
- 17.25 Prof. Jan Lammerding** (Cornell University, New York, USA)
"Mechanically induced nuclear damage as a driver of muscle disease and therapeutic target in laminopathies"
- 17.40 Prof. Joseph Wu** (Stanford Cardiovascular Institute, USA)
"Mechanistic and therapeutic insights into LMNA cardiomyopathy and vasculopathy"



18.00-18.50 CEST | Pitches 'What crazy idea will accelerate developments within the LMNA research field?'

- 118.00 **Carla Cofiño Fabrés** (University of Twente) & **Celia Rupérez Gonzalo** (Maastricht University)
"When exercise becomes a problem: pathological outcomes for physiological stimuli in LMNA patients"
- 18.10 **Heidi Fuller** (Keele University)
"Can LMNA-related cardiovascular conditions be treated by administering a deliberate genetic fault?"
- 18.20 **Camilla Galli** (Humanitas University) & **Carlotta Ronchi** (Istituto Italiano di Tecnologia)
"Optical-based nanotechnologies for treating cardiac laminopathy"
- 18.30 **Sophie Stroeks** (Maastricht University)
"Mitochondrial and metabolic dysfunction as a cause of LMNA-related cardiomyopathy and possible targets for Intervention"
- 18.40 Q&A

18.50-18.55 CEST | Voting best Crazy idea

18.55-19.00 CEST | Announcement of pitch winner & Concluding Remarks by Yigal Pinto