

INVITATION



LMNAcardiac.org



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 CET via Zoom

Confirmed speakers: Prof. Bonne, Prof. Wu, Prof. Eschenhagen, Dr. Muchir,
Dr. Di Pasquale, Prof. Lammerding

Crazy idea pitch competition (budget €10.000,-)

Click [here](#) for the proposal template and additional information about the call.

Register (for free) via www.lmnacardiac.org/research-meeting/

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

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Online via Zoom Webinar

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to receive the Zoom login information.

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) <i>"Striated muscle laminopathies, from gene defects to pathomechanisms and therapeutic approaches: what are we missing?"</i>
16.30	Prof. Thomas Eschenhagen (University Medical Center Hamburg-Eppendorf, Germany) <i>"Gene therapy partially corrects the phenotype of a homozygous truncating LMNA"</i>
16.45	Dr. Antoine Muchir (Inserm, Paris, France) <i>"Pathogenesis of Lamin A/C Cardiomyopathy"</i>
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) <i>"iPSC-based models of cardiolaminopathy: from mechanisms to therapeutics"</i>
17.25	Prof. Jan Lammerding (Cornell University, New York, USA) <i>"Mechanically induced nuclear damage as a driver of muscle disease and therapeutic target in laminopathies"</i>
17.40	Prof. Joseph Wu (Stanford Cardiovascular Institute, USA) <i>"Mechanistic and therapeutic insights into LMNA cardiomyopathy and vasculopathy"</i>

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