



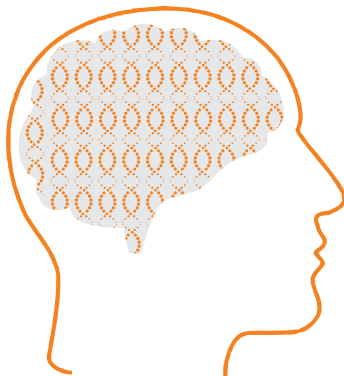
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## **2<sup>nd</sup> Lux GIANT Meeting (Virtual)** **Luxembourg German Indian Alliance on Neurodegeneration and Therapeutics (LUX GIANT)**

Theme : Genetic Architecture of Parkinson's Disease  
(GAP - India) : Path Ahead

**26<sup>th</sup> - 27<sup>th</sup> November, 2021**

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Dear colleagues,

It is a matter of great privilege and pleasure to invite you to the 2nd meeting of the LUX-GIANT consortium. All us are bound by our common passion to understand the causes of Parkinson's disease and other neurodegenerative diseases and contribute to the endeavour to find a cure for these diseases. The LUX GIANT consortium was born out of this passion and the GAP-India study is aimed at genetic discoveries in the ethnically diverse Indian population and the development of one of the largest clinical and genomic biobank for Parkinson's disease in India.

We are delighted to invite you all to participate in the virtual meeting on 26th and 27th November, 2021. The theme of the meeting is "Genetic architecture of PD in India: the path ahead". We welcome Movement Disorder Specialists, Neurologists and Scientists who are involved in the care or research of Parkinson's disease to join us to advance our efforts. The meeting will provide an opportunity for education, discussion and networking.

We have won the conference award of the Parkinson's Foundation to support this meeting which will be hosted by the Centre of Excellence in Neurosciences, Aster Medcity, Kochi, India.

Looking forward to welcoming you at the virtual meeting.

**Asha Kishore & Manu Sharma**

## PROGRAMME

**DAY 1 - Friday, 26<sup>th</sup> November, 2021**

14:00 - 16:30 (CET) 18:30 - 21:00 (IST)

- 14:00 - 14:05: Opening remarks **Manu Sharma**
- Session 1:** Genomics in India  
Moderator: **Pramod Kumar Pal**, NIMHANS, Bengaluru, India
- 14:05 - 14:20 WGS-India: **Christoph Hakkaart**, IMGAG, Tübingen, Germany
- 14:25 - 14:40 GWAS in India: **Giriraj Chandak**, CCMB, Hyderabad, India
- 14:40 - 14:55 Role of PINK1 and Parkin in India:  
**Francesco Raimondi**, Laboratia Bio@SNS, Pisa, Italy
- Break: **5 minutes**
- Session 2:** Recruitment: Challenges/opportunities  
Moderator: **Rupam Borgohain**, NIMS, Hyderabad, India
- 15:00 - 15:15 GAP India-the journey so far: **Asha Kishore**, Medcity, Kochi, India

15:15 - 15:30 Genetics of PD: from genes to treatment  
**Thomas Gasser**, University of Tübingen, Germany

15:30 - 15:45 Lux PD cohort:  
**Rejko Krüger**, LIH, Luxembourg, Luxembourg

15:45 - 16:00 GP2- connecting PD world - wide  
**Andy Singleton**, NIH, USA

**Session 3:** Data management  
Cloud/data integration  
Moderator (TBA)

16:00 - 16:15 PD Clinical and translational data integration  
and analysis.  
**Venkata Satagopam**, LCSB, Luxembourg

16:15 - 16:30 Providing infrastructure for Lux-GIANT  
facilitating genomic research  
**Jens Krüger**, University of Tübingen

## DAY 2 - Saturday, 27<sup>th</sup> November, 2021

14:00 - 16:00 (CET) 18:30 - 20:30 (IST)

**Session 1:** Functional genomics  
Moderator: **Rejko Krüger**, LIH, Luxembourg, Luxembourg.

14:00 - 14:15 Creating infrastructure for PD functional studies using  
neural stem cell platform in India.  
**Pankaj Seth**, NBRC, Manesar, India

14:15 - 14:30 Pacemaker plasticity in surviving dopamine neurons"  
**Jochen Roeper**, Goethe University, Frankfurt, Germany

14:30 - 14:45 Optogenetics in neurodegenerative diseases  
**Volker Busskamp**, University of Bonn, Bonn, Germany

14:45 - 15:00 Patient-specific Midbrain organoids for in vitro  
modeling of Parkinson's disease  
**Jens Schwammborn**, LCSB, Luxembourg

### Break (5 minutes)

15:05 - 15:30 Funding opportunities  
Administrative matters in international research  
Closing remarks