The 70th Lindau Nobel Laureate Meetings are set to begin on 27 June 2021, which, due to the pandemic, will not take place at their traditional conference venue on Lake Constance but online. Two up-and-coming physicists with close ties to the University of Bayreuth will be there: Fabian Eller (23), a doctoral student at the Junior Professorship for Dynamics & Structure Formation, and Jonas Landgraf (23), who studied physics at the University of Bayreuth until recently and is currently a doctoral student at the Max Planck Institute for the Science of Light in Erlangen. The anniversary meetings are interdisciplinary, with 74 Nobel Laureates from physics, chemistry, and medicine taking part.

"The programme of events is very interactive, with numerous discussion rounds planned with Nobel Prize winners and particularly successful young scientists. The conference therefore promises to give new impulses for one's own scientific work and an exciting exchange of ideas and experience, from which valuable contacts could well develop for the future," says Fabian Eller. In his dissertation, supervised by Prof. Dr. Eva M. Herzig, he is working on organic semiconductors - a ground-breaking field of research for new energy technology in which physics, chemistry, and material sciences are strongly intertwined. His research focuses on the investigation of nanostructures using X-ray scattering and the development of a novel methodology to enable the targeted manipulation of nanostructures. Parallel to his doctoral thesis, Fabian Eller is currently completing the interdisciplinary elite study programme "Macromolecular Science" in the Elite Network Bavaria at the University of Bayreuth.

Jonas Landgraf studied physics at the University of Bayreuth from 2016 to 2021 and wrote his master's thesis in Prof. Dr. Florian Marquardt's research group at the Max Planck Institute for the Science of Light in Erlangen. Here, as a doctoral student, he is currently researching how concepts in the field of machine learning can be transferred to physics in order to gain new insights with artificial intelligence. At the same time, he is taking part in the interdisciplinary elite study programme "Biological Physics" in the Elite Network Bavaria at the University of Bayreuth.

"I am looking forward to meeting other enthusiastic young scientists, from whose different experiences and professional competencies I’m sure I will benefit with regard to my own research work. Artificial intelligence is a field of research in which fundamentally new insights often emerge from the networking of research approaches from different disciplines," says Jonas Landgraf.

During their school years, the two participants in the 70th Lindau Nobel Laureate Meetings repeatedly took part in regional, national, and international physics competitions with great success, before they studied physics together at the University of Bayreuth. In the process, they were scientifically supervised at the Student Research Centre of the University of Bayreuth. Here, as students from Bayreuth, they in turn worked to get pupils from the northern Bavarian region up to speed for these competitions.

wissenschaftliche Ansprechpartner:
Fabian Eller M.Sc.
University of Bayreuth
Phone: +49 (0)921 / 55-2585
E-mail: fabian.eller@uni-bayreuth.de

Jonas Landgraf M.Sc.
Max Planck Institute for the Science of Light, Erlange
Phone: +49 (0)9131 / 7133-447
E-mail: jonas.landgraf@mpl.mpg.de
Fabian Eller M.Sc.
Photo: private.
Jonas Landgraf M.Sc.
Photo: private.