



LINDAU NOBEL LAUREATE MEETINGS

Kuratorium für die Tagungen
der Nobelpreisträger in Lindau
Council for the
Lindau Nobel Laureate Meetings

Lindau, 26 June 2023

Press Release

3rd Lindau Online Sciathon: Five Finalists Present Their Concepts During the 72nd Lindau Nobel Laureate Meeting

- Presentation of the five best rated project groups to a top-class panel and an esteemed audience
- The groups that worked on "Revolutionizing Cancer Detection with Optical Fibers and AI" and on "Revolutionizing Wound Care: Smart Biosheets With Early Infection Detection and Antimicrobial Properties" were especially highlighted by the public vote.
- Sciathon: Hackathon-style competition on innovations in medicine, groups cooperated online in April 2023
- Impressions on social media: [#sciathon](#)

On the occasion of the 72nd Lindau Meeting, the final of the 3rd Lindau Online Sciathon took place today. Five groups had qualified for this event by selection of a jury of experts and were invited to present their projects. The main focus was on the feasibility of the ideas that had been developed in April during a 48-hour competition by virtual collaboration. "Innovative Applications for Medical Research" was the theme of the 3rd edition of the Sciathon, which had its premiere in 2020. For the first time, the presentation of the results took place in the context of a Lindau Meeting.

The short presentations followed by a lively discussion between the groups, selected experts on site and the audience provided insights into the following projects:

- **Antimalarial PROTACs to Combat Artemisinin Resistance**
Group Adié À Moumbock
- **Artificial Intelligence (AI) Based Molecular Simulation for the Prognosis of Adverse Drug Reactions**
Group Kandaswamy
- **Phototherapy for the Treatment of Endometriosis**
Group Arnau del Valle
- **Revolutionizing Cancer Detection With Optical Fibers and AI**
Group Yerolatsitis
- **Revolutionizing Wound Care: Smart Biosheets With Early Infection Detection and Antimicrobial Properties**
Group Herberger & Restrepo-Schild

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From 28–30 April 2023, nearly 30 project groups were asked to develop a project within two days from an idea of the respective group leader – all Lindau Alumni. Up to ten participants – Young Scientists from the current meeting as well as Lindau Alumni – worked on the ideas for 48 hours online. At the end, all groups submitted a 5-page paper and a short video. In an audience vote at the end of the workshop, two of the groups were particularly highlighted: Group Yerolatsitis that worked on Revolutionizing Cancer Detection with Optical Fibers and AI and Group Group Herberger & Restrepo-Schild that worked on Revolutionizing Wound Care: Smart Biosheets With Early Infection Detection and Antimicrobial Properties.

The involvement in the Sciathon was a success for all participants, as experience from previous years shows that some groups continue to pursue their projects to this day, regardless of their placement.

Stefan Kaufmann, chairman of the Sciathon jury and scientific co-chair of this year's Lindau Meeting: "I am very excited about the further development of the ideas that have been worked on. These are clever applications that have a good chance of being successfully implemented."

The next Sciathon is expected to take place in spring 2024 after the announcement of the selection of all Young Scientists for the 73rd Lindau Nobel Laureate Meeting (Physics, 30 June to 5 July).

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About the Lindau Nobel Laureate Meetings

Since their foundation in 1951, the Lindau Nobel Laureate Meetings have developed into a unique international scientific forum. The annual Meetings provide an opportunity for an exchange between different generations, cultures and disciplines. The theme of the Lindau Meetings alternates between Physics, Chemistry or Physiology and Medicine – the three Nobel Prize scientific disciplines. Every five years an interdisciplinary Meeting takes place, while the Lindau Meeting on Economic Sciences is held every three years. Through the medium of various declarations (2020 for Open Science, 2015 on Climate Change, 1955 Against the Use of Nuclear Weapons) the scientists have repeatedly joined in the public debate with political appeals.

It was the Lindau physicians Franz Karl Hein and Gustav Wilhelm Parade who approached Count Lennart Bernadotte af Wisborg with the idea of a meeting of Nobel Laureates and proceeded to jointly implement this with him – since 1953 with the participation of young scientists. Some 35,000 students, PhD candidates and post-docs have since taken part. Their experience of the Meeting may be literally once-in-a-lifetime, but they remain permanent members of the Lindau Alumni Network and ambassadors for scientific dialogue.

All year long the Lindau Nobel Laureate Meetings continue to pursue their 'Mission Education' aimed at emphasising the importance of science and advocating science and research. This is also the purpose of the [Lindau Mediatheque](#) as a learning platform with teaching materials for schools.

Further Information

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