

Rewarding and Stimulating Excellent Teachers

More than 20 teachers from Germany and the region represented by the International Lake Constance Conference (IBK) took part in the two-day “Teaching Spirit 2.0” programme at #LINO25.



Joachim Frank talked on ways to spark passion for science



Experimentation for teaching materials design

Inspiring science teaching deserves applause – this outreach project gives it, with recognition for exceptional educators who have made a particular inspiring contribution at their schools – for example, by establishing project groups and similar measures beyond their general teaching obligations. Offers specially tailored to STEM field subjects provided the programme’s participants valuable input and inspiration for their lessons planning.

After a refreshing start at lunch with selected Nobel Laureates, the programme began with a discussion with Joachim Frank. Among other things, the Chemistry Nobel Laureate talked about people in his life, who sparked and reinforced his curiosity about scientific topics, and elaborated on how interests, developed in early years, can be encouraged and maintained in students and teachers alike.

The didactical core content of the “Teaching Spirit 2.0” workshop was developed in a collaborative project in-

volving Professors Kerstin Kremer from the University of Giessen and Stefan Schwarzer, University of Tübingen. At numerous hands-on experimental stations, the participating teachers tried out learning materials and experiments in the field of nanomaterials (e.g. nanoparticles in lateral flow tests), modern materials with rare earth metals (e.g. LED light materials, afterglow effects, and bioleaching), and mRNA research. The teachers also had the chance to work on a climate modelling proposal and explore the “Nature of Science” topic area with selected online Nobel Labs 360° from the Lindau Mediatheque by using virtual reality headsets.

The insightful session was complemented by additional offers, such as the opportunity to attend the lectures held by Nobel Laureates in the Inselhalle, to mingle with Young Scientists, as well as to participate in the Bavarian Evening and the closing day on Mainau Island.