

NEWS

from the **Science of Light**

Dear,

Here you can find news about research and people from our institute.
Enjoy reading our April issue!

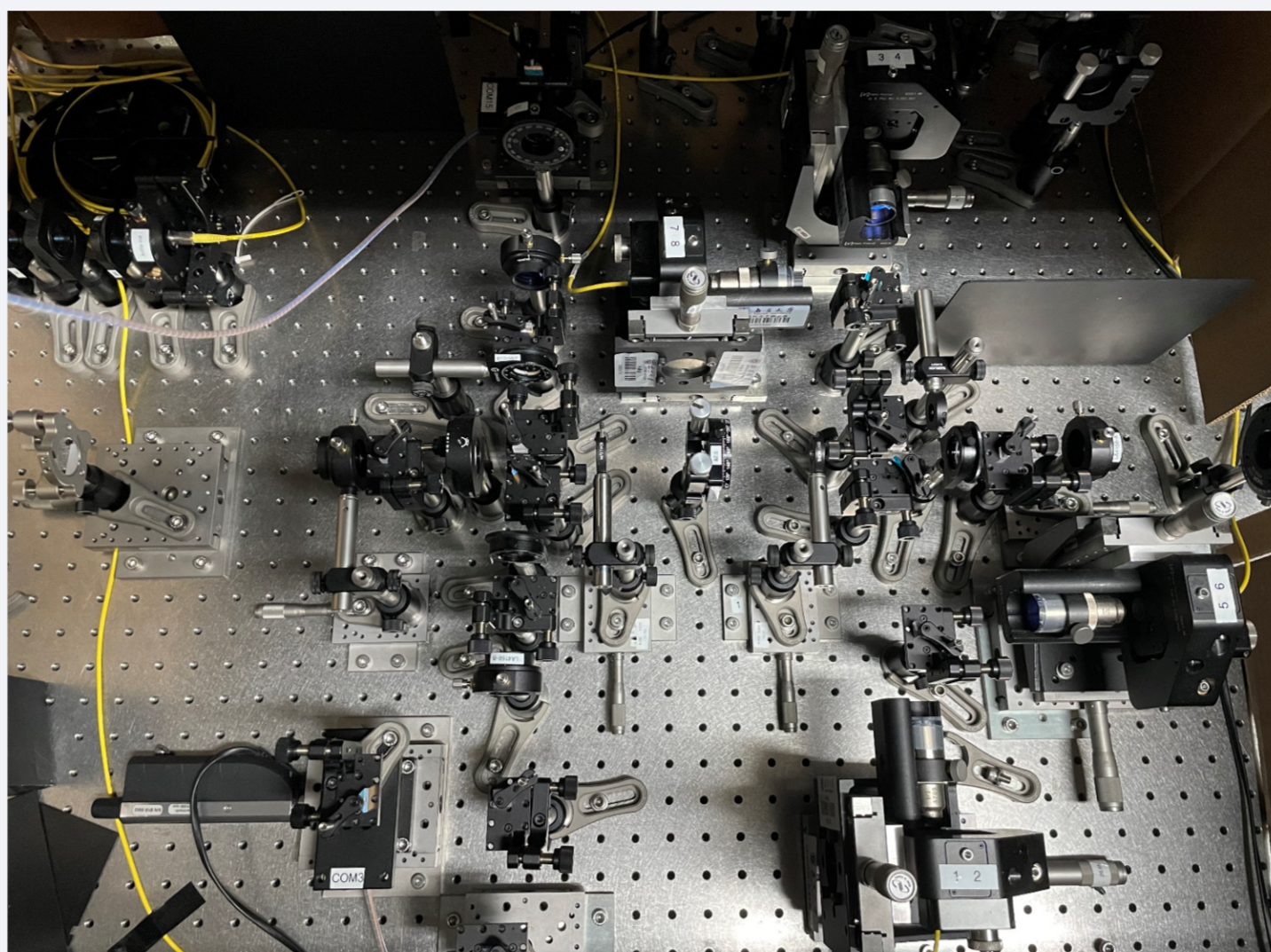
Yours sincerely,

Max Planck Institute for the Science of Light (MPL)

Research

Where Quantum Particles Are Born: AI Reveals New Insights Beyond Entanglement

Quantum physics, the science of the very small, operates on laws that can often seem strange to our everyday intuition. Research group leader Mario Krenn and Xuemei Gu from MPL have unveiled an exciting discovery that deepens our understanding of these enigmatic quantum laws. [-> MORE](#)



Events

Girls' Day: Lights on for the Girls at MPL!

On 27 April, the MPL opened its doors to a group of young students curious to get an impression of the daily work of a physicist. How does science work? How does one become a physicist? And what does basic research actually mean? The students were able to get to the bottom of all these questions at the institute. [-> MORE](#)



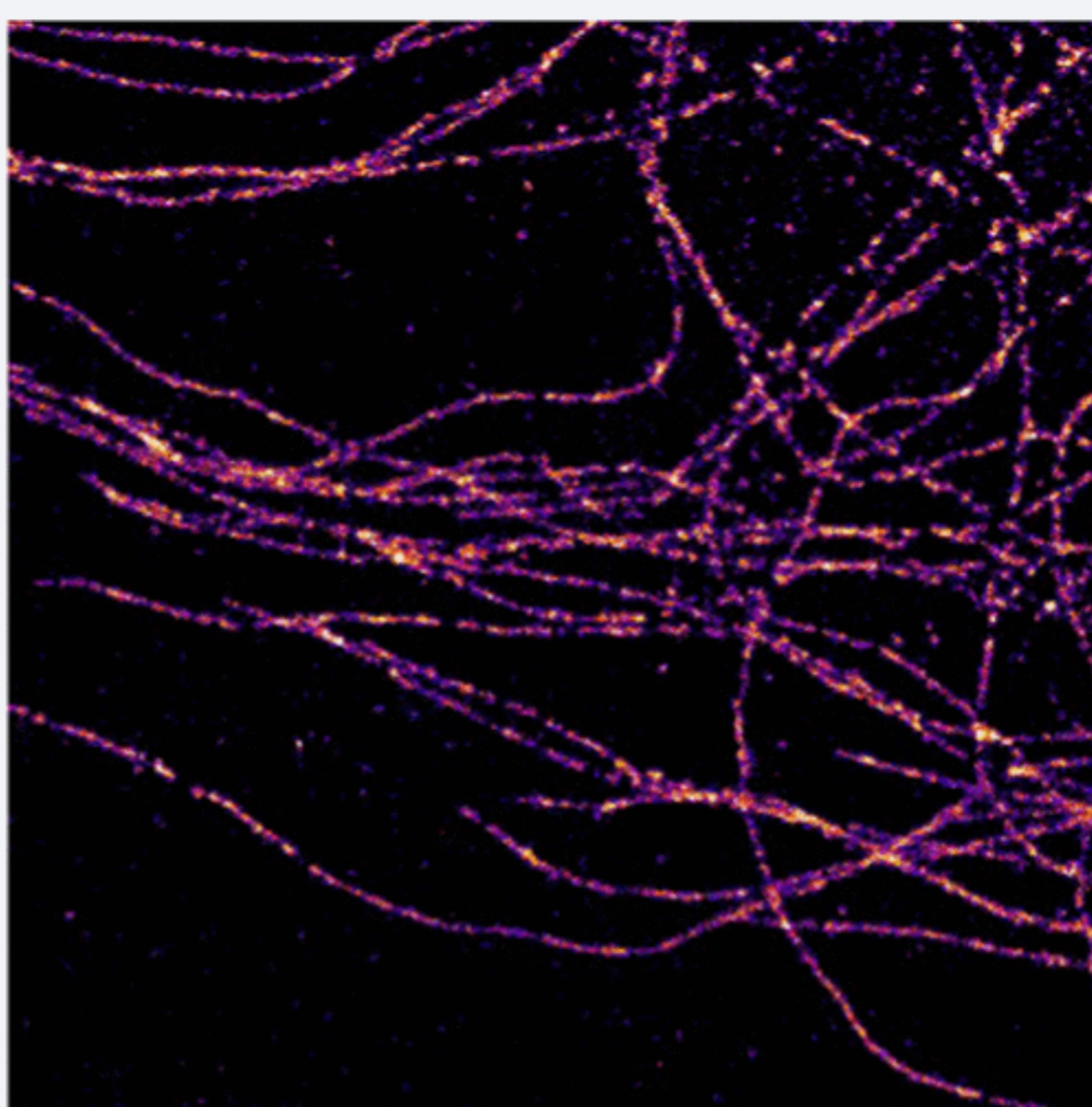
Exploding batteries in sleet

Safety briefings are part of the routine at a research institute like the MPL. However, this changes when there is an experimental demonstration of what you should definitely not do – and what happens if you do. Dangerous goods officer Ralf Keiding wanted to show how dangerous lithium batteries and accumulators can be and at the same time presented a new transport device that could be used to transport them more safely in the future. [-> MORE](#)



Publications

Simple, Economic, and Robust Rail-Based Setup for Super-Resolution Localization Microscopy



The Moeckl research group at MPL has created a new single-molecule localization microscopy (SMLM) setup, that is easy to construct and align in service of simplifying the accessibility of SMLM. The performance of the system is assayed using super-resolution imaging of biological samples. They believe that this design will make SMLM more affordable and broaden its availability.

Karim Almahayni, Gianluca Nestola, Malte Spiekermann, and Leonhard Moeckl
The Journal of Physical Chemistry A Article

Jobs

Postdoctoral Position in Molecular Quantum Optics: Would you like to work in a highly motivated research team that aims to understand and control the interaction of quantum emitters, in particular organic molecules, with their nanoscopic environment and with each other? [-> MORE](#)

Postdoctoral position for developing a novel source of squeezed light for quantum imaging. Do you have a strong grasp of experimental optics as well as quantum and nonlinear optics? Are you interested in a project that will build sources of pulsed squeezed light for future use in a quantum-enhanced Raman microscope? [-> MORE](#)

Looking for a Master's degree
or Ph.D. at the forefront of optics?

[-> MORE](#)

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