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MAX PLANCK INSTITUTE
FOR THE SCIENCE OF LIGHT

NEWS

from the **Science of Light**

Dear ,

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

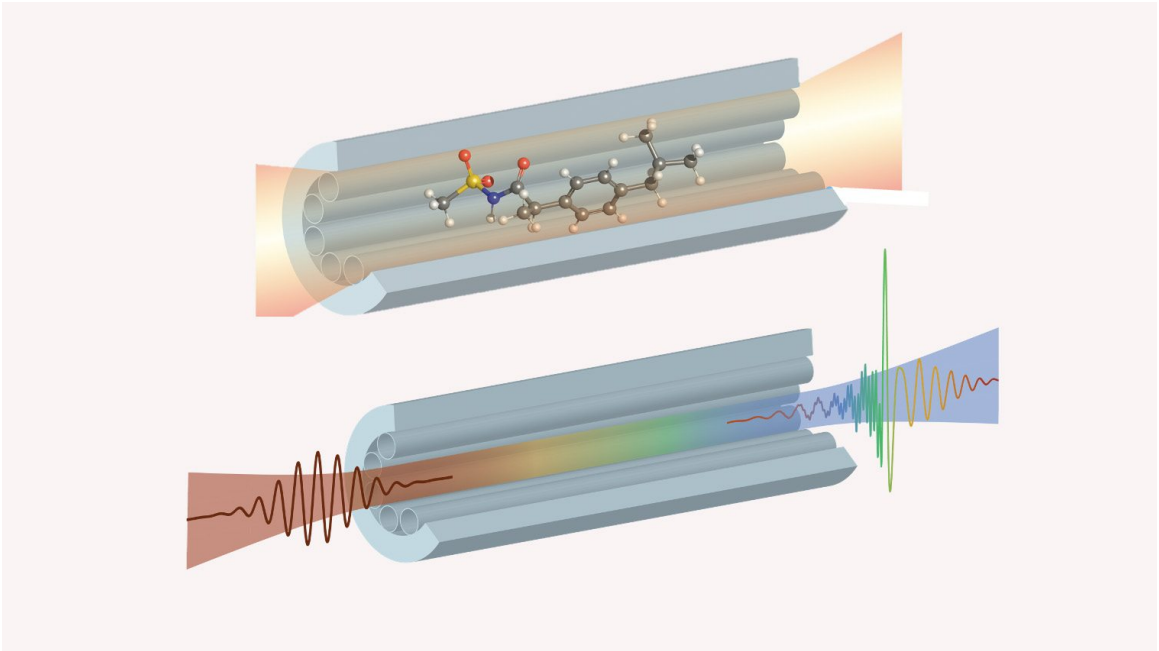
Yours sincerely,

Max Planck Institute for the Science of Light (MPL)

Research

Ultrafast & Twisted Photonics - New research group for Francesco Tani

Francesco Tani is the head of a new independent research group at MPL in Erlangen. He uses photonic crystal fibres to develop the next generation of light sources and to measure the chirality – the lack of symmetry upon reflection – of substances, which is fundamentally important in pharmacology. **> MORE**



Publications

On scientific understanding with artificial intelligence

Research group leader Mario Krenn has published an article on artificial intelligence in the journal Nature Review Physics. In it, he and his co-authors tackle the question of how, in a time of continuously increasing computational power, artificial intelligence can contribute to new scientific understanding.

Krenn, M., Pollice, R., Guo, S.Y. et al. On scientific understanding with artificial intelligence. Nat Rev Phys 4, 761–769 (2022).

Events

Mario Krenn invited to workshop at the conference on Neural Information Processing Systems (NeurIPS)

Research group leader Mario Krenn from MPL has been invited to be on a panel at the Machine Learning and the Physical Sciences workshop at the 36th conference on NeurIPS, one of the largest AI conference in the world. The workshop takes place on December 3, 2022 in New Orleans. **> MORE**

Quantum Optics meets Acoustics workshop organized by Birgit Stiller

The Workshop „Quantum Optics meets Acoustics" was held from 14th to 18th of November 2022 at the Lorentz-Center in Leiden, Netherlands, organized by Wolfgang Löffler (Leiden University), Simon Gröblacher (TU Delft) and Birgit Stiller (MPL). **> MORE**

People

MPL alumni Kirill Spasibko took second place in 2022 Quantum Futur Award

Former PhD student Kirill Spasibko from the research group of Maria Chekhova was chosen as one of five finalists in this year's Quantum Futur Awards in the doctoral thesis category and was awarded second place. **> MORE**

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?

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