

NEWS

from the Science of Light

Dear,

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

Yours sincerely,

Max Planck Institute for the Science of Light (MPL)

Research

Get to Know our IMPRS Physics of Light!

Watch our new video about the International Max Planck Research School Physics of Light (IMPRS). Learn what it's like working at MPL doing your Master's degree or PhD and find out what we can do to support you. [> MORE](#)



Events

'Frontiers of Neuromorphic Computing' Workshop at MPL 5-7 September

The recent explosion of deep learning applications urgently requires energy-efficient alternatives. This has given rise to the field of neuromorphic computing with the aim to develop new efficient hardware concepts running at high speeds and relying on a high degree of parallelism. A new workshop, organized by Prof. Florian Marquardt and Clara Wanjura, will explore this rapidly developing area of (classical) neuromorphic computing over a range of scalable platforms, both on a theoretical and experimental level. [> MORE](#)

„We can also be festive“ – Max Planck Directors in a Celebratory Mood at the Schlossgarten Fest

For one weekend, the scientific world of quantum communication, nano-optics, biological optomechanics and medical physics had to do without the expertise of the directors of MPL and the Max-Planck-Zentrum für Physik und Medizin. [> MORE](#)



IMPRS Retreat

To strengthen ties between our two research schools, the IMPRS Physics of Light and IMPRS Physics and Medicine students went on a joint retreat. The retreat took place at the 'Festung Rosenberg' in Krotach on June 19-20. This was a great opportunity for exchanging ideas and starting collaborations between both groups.



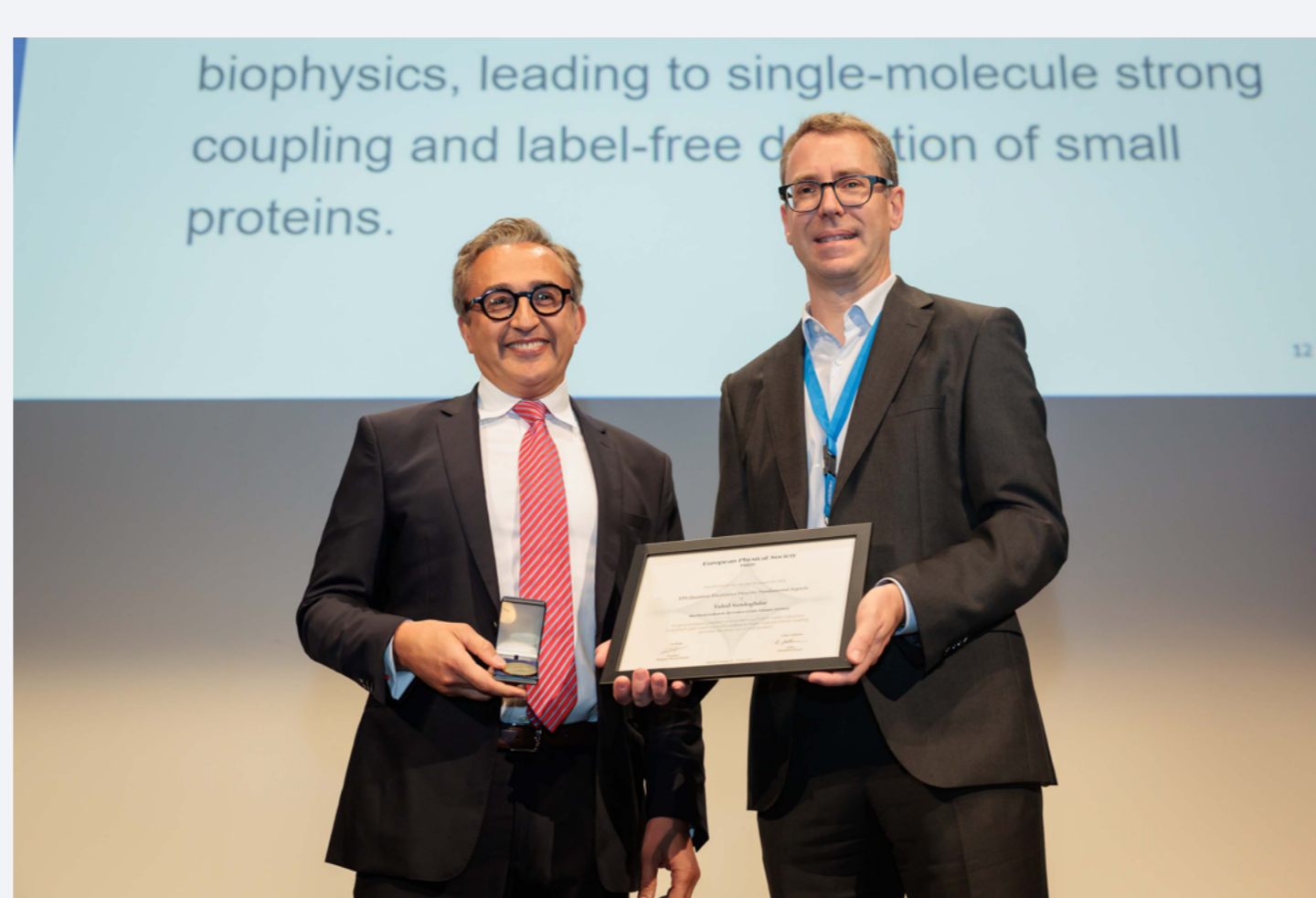
MPL at CLEO/Europe - EQEC

MPL was nearly empty from June 26 to June 30, as a large delegation of our researchers was taking part in Europe's largest conferences on photonics and related research fields: the 2023 CLEO/Europe-EQEC. [> MORE](#)

People

Professor Vahid Sandoghdar Awarded EPS-QEOD PRIZE 2023

Prof. Sandoghdar has been honored by the European Physical Society (EPS) for his pioneering research investigating the efficiency of light-matter interactions in quantum optics and biophysics. His work has led to strong single-molecule coupling and enabled label-free detection of small proteins. The prize is awarded every two years at the CLEO/Europe-EQEC conference. [> MORE](#)



New Scholarship for Maximilian Eiche

MPL researcher Maximilian Eiche, part of the research group of Jona Kayser, has been awarded a scholarship from the Marianne-Plehn-Program. This builds on another prestigious stipend he had already secured for himself in 2022. [> MORE](#)

Sam Edwards Thesis Prize for Clara Wanjura

Clara Wanjura, a postdoctoral fellow in the Division of MPL director Florian Marquardt, has just won the Institute of Physics (IoP) prize for the best PhD thesis (Sam Edwards Thesis Prize). This prestigious prize is awarded annually for the best PhD thesis in the field of Theory of Condensed Matter in the UK. [> MORE](#)



Martin Kräter Receives Poster Award for Long-COVID Research

Martin Kräter, postdoc in the Guck division, has been honored for the progress he and his team have made in looking for biomarkers for Long-COVID and ME/CFS. He participated in the 2nd ME/CFS Symposium at the Charité in Berlin on May 12. The poster prize was awarded for the latest results on examining blood cell changes that are causally linked to the disease, easily accessible, and might provide an objective diagnosis for these post-infectious symptoms. [> 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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