



DEUTSCHE GESELLSCHAFT FÜR
ELEKTRONENMIKROSKOPIE

(eingetragener Verein)

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Press Release

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Ernst Ruska Prize 2025 for Prof. Knut Müller-Caspary

The German Society for Electron Microscopy (Deutsche Gesellschaft für Elektronenmikroskopie, DGE) awards the internationally renowned Ernst Ruska Prize to **Prof. Knut Müller-Caspary** (Ludwigs-Maximilians-Universität, Munich, Germany) for his outstanding scientific achievements related to electron microscopy. The prize will be awarded during the Microscopy Conference MC 2025 in Karlsruhe (Dreiländertagung) on September 3rd, 2025.

Knut Müller-Caspary is awarded the prize for his outstanding achievements in momentum-resolved scanning transmission electron microscopy and for transforming the method into a versatile and widely applicable imaging mode with a large impact both for material and life sciences. His pioneering contributions enabled new opportunities to measure atomic electric fields, local charge densities, and polarization in nanoscale samples while ensuring minimal specimen damage. By developing advanced computational and simulation tools he has made 4D-STEM a powerful quantitative measurement technique.

The **Ernst Ruska Prize** is named after the Nobel prize winner and inventor of the electron microscope, Prof. Dr. Ernst Ruska. The international prize is awarded by the German Society for Electron Microscopy every two years for outstanding achievements in the field of electron microscopy.

The President of the German Society for Electron Microscopy (DGE)

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