

News Release

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Merck KGaA, Darmstadt, Germany, Launches High-Performance Computer to Accelerate Research across Sectors and Further Boost AI Readiness

- **Developed in collaboration with industry-leading water-cooling technology from Lenovo; located in Equinix AI-ready data center**
- **Supercomputer integrates Lenovo ThinkSystem servers with Neptune® liquid cooling technology to create a seamless environment for advanced computational tasks**
- **Exemplifies commitment of Merck KGaA, Darmstadt, Germany, to energy efficiency and sustainable practices in high-performance computing by featuring advanced water-cooling systems and a hybrid cloud infrastructure**

Darmstadt, Germany, November 20, 2025 – Merck KGaA, Darmstadt, Germany, a leading science and technology company, has collaborated with Lenovo Group Ltd., Hongkong, and Equinix Inc., Redwood City, USA, to successfully launch a state-of-the-art high-performance computer in Munich, Germany, designed to accelerate innovation across the three business sectors of Merck KGaA, Darmstadt, Germany: Life Science, Healthcare and Electronics. This initiative underscores the company's commitment to digital innovation as a key enabler of scientific discovery.

"At our company, speed and efficiency translate directly into patient and customer benefit," said Laura Matz, Chief Science and Technology Officer at Merck KGaA, Darmstadt, Germany. "Our new high-performance computer enhances our research by significantly reducing time and cost. This enables our scientists across all our sectors to conduct more experiments, accelerate development and deliver



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innovative treatments to patients and advanced technologies to customers – faster and more effectively.”

This initiative exemplifies the strategy that Merck KGaA, Darmstadt, Germany, is pursuing to embed digital capabilities across its businesses and production. Using high-performance computing, Merck KGaA, Darmstadt, Germany, aims to enhance product development in its Life Science business sector, streamline drug discovery processes in its Healthcare business sector and optimize the development of new, cutting-edge materials for the semiconductor industry in its Electronics business sector. This unified approach leads to more precise and tailored solutions for the unique challenges faced in each sector, minimizing fragmentation and fostering collaboration across teams.

Merck KGaA, Darmstadt, Germany, is creating an energy-efficient infrastructure that aligns with its sustainability goals. The supercomputer will support significant compute demands for managing complex artificial intelligence (AI) and machine learning models.

Configured with Lenovo’s ThinkSystem servers with advanced liquid cooling technology and located in an Equinix AI-ready data center in Munich, Germany, this HPC platform combines private and public cloud infrastructure. The hybrid cloud design also offers flexible, rapid scaling to meet varying computational demands.

“At Lenovo, we are committed to enabling the global adoption of innovative and sustainable technologies,” said Andreas Thomasch, Director & Chief Technology Officer, Germany and Austria at Lenovo. “By designing and configuring this solution together, we’ve demonstrated that organizations can achieve exceptional performance without compromising on sustainability. With Lenovo Neptune™ liquid cooling, even the most demanding workloads will run efficiently while helping Merck KGaA, Darmstadt, Germany, drive progress in both science and industry.”

“This partnership embodies the future of technology – where digital infrastructure, compute and science converge to solve humanity’s biggest challenges,” said Harmeen Mehta, Chief Digital and Innovation Officer at Equinix. “At Equinix, we are proud to power that convergence. Together with Merck KGaA, Darmstadt, Germany,

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and Lenovo, we are proving that when technology is scaled responsibly, innovation doesn't just accelerate – it transforms industries and redefines what's possible.”

About Lenovo

Lenovo is a US\$ 69 billion revenue global technology powerhouse, ranked #196 in the Fortune Global 500, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver Smarter Technology for All, Lenovo has built on its success as the world's largest PC company with a full-stack portfolio of AI-enabled, AI-ready, and AI-optimized devices (PCs, workstations, smartphones, tablets), infrastructure (server, storage, edge, high performance computing and software defined infrastructure), software, solutions, and services. Lenovo's continued investment in world-changing innovation is building a more equitable, trustworthy, and smarter future for everyone, everywhere. Lenovo is listed on the Hong Kong stock exchange under Lenovo Group Limited (HKSE: 992) (ADR: LNVGY). To find out more visit <https://www.lenovo.com>, and read about the latest news via our StoryHub.

About Equinix

Equinix (Nasdaq: EQIX) is the world's digital infrastructure company®. Digital leaders harness Equinix's trusted platform to bring together and interconnect foundational infrastructure at software speed. Equinix enables organizations to access all the right places, partners and possibilities to scale with agility, speed the launch of digital services, deliver world-class experiences and multiply their value, while supporting their sustainability goals.

About Merck KGaA, Darmstadt, Germany

Merck KGaA, Darmstadt, Germany, a leading science and technology company, operates across life science, healthcare and electronics. More than 62,000 employees work to make a positive difference to millions of people's lives every day by creating more joyful and sustainable ways to live. From providing products and services that accelerate drug development and manufacturing as well as discovering unique ways to treat the most challenging diseases to enabling the intelligence of devices – the company is everywhere. In 2024, Merck KGaA, Darmstadt, Germany, generated sales of € 21.2 billion in 65 countries.

The company holds the global rights to the name and trademark "Merck" internationally. The only exceptions are the United States and Canada, where the business sectors of Merck KGaA, Darmstadt, Germany, operate as MilliporeSigma in life science, EMD Serono in healthcare and EMD Electronics in electronics. Since its founding in 1668, scientific exploration and responsible entrepreneurship have been key to the company's technological and scientific advances. To this day, the founding family remains the majority owner of the publicly listed company.

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