

MLL Munich Leukemia Laboratory Chosen as Innovation Champion

Munich – Letting go of the old and embracing the new: Innovative medium-sized companies such as MLL Münchner Leukämielabor GmbH from Munich do not fear change but instead regard it as an opportunity. The company demonstrated this in the 27th round of the TOP 100 innovation competition. As of June 19, MLL is officially one of the TOP 100. In the scientific selection process, the company impressed the judges in size class B (51 to 200 employees), particularly in the “Innovative Processes and Organization” category. This is already the second time that MLL has been ranked as one of Germany’s top innovators.

Thanks to its responsibility for diagnosing a large portion of German leukemia patients and its reputation as a pacesetter in modern leukemia diagnostics, MLL has taken on a pivotal role. To achieve this, the TOP 100 company relies on excellently trained employees, artificial intelligence, automated processes, and clear objectives. This has enabled the Munich-based company to increase the number of samples analyzed by 850 percent since 2005. Since each sample analyzed in the Munich Leukemia Laboratory represents a person, MLL has the opportunity to lay the foundation for a longer life expectancy and better quality of life for this person by providing the correct diagnosis.

A key organizational element is the interdisciplinary team comprised of hematologists, biologists, computer scientists, medical laboratory scientists, and medical assistants. The top innovator’s objective is not only to enable innovations in leukemia diagnostics but also to intervene disruptively in existing standards. MLL has managed to sequence 5,300 genomes since 2018. “This method, which now only sequences genotypes instead of phenotypes, guarantees us a pivotal role,” says Managing Director Prof. Dr. Wolfgang Kern. Its next-generation sequencing approach has made MLL a forerunner in Europe. Automation and robotics are now a matter of course. The instruments in the laboratory are networked with one another, samples are tracked using barcodes, and 32 robots are in use for every 100 employees each day. Artificial intelligence is increasingly being put to use as well, such as to support the classification of chromosomes and the evaluation of molecular mutations.

MLL Münchner Leukämielabor GmbH

MLL Münchner Leukämielabor GmbH is a nationally as well as internationally active laboratory working to diagnose cases of leukemia and lymphoma. The expertise embedded within the company along with its excellent quality assurance and turnaround times guarantee optimal test procedures for suspected diagnoses of leukemia or lymphoma. In addition, modern equipment and state-of-the-art analysis methods lead to optimal diagnostics for patients. Münchner Leukämielabor is one of the world’s leading companies when it comes to the wide range of its diagnostics portfolio. The combination of interconnected methods of cytomorphology, chromosome analysis, FISH, immunophenotyping,



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and a large number of molecular genetic test procedures makes it possible to gain a comprehensive picture of the existing illness in order to subsequently ensure optimal, customized medical treatment for patients.

TOP 100: the Competition

Since 1993, compamedia has been awarding medium-sized companies the TOP 100 Seal for distinguished innovative strength and outstanding innovation success. The scientific direction has been in the hands of Prof. Dr. Nikolaus Franke since 2002. Dr. Franke is the founder and CEO of the Institute of Entrepreneurship and Innovation at the Vienna University of Economics and Business. The mentor at TOP 100 is scientific journalist Ranga Yogeshwar. Project partners are the Fraunhofer Society for the Promotion of Applied Research and BVMW. Media partners helping with the comparison of companies are manager magazin, impulse, and W&V. For more information, please visit www.top100.de.

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