

High-tech Behind Every Match

 **Lab Automation for more
Second Chances at Life**

Center of innovations

Our DKMS Life Science Lab is one of the world's largest and **most advanced laboratories specializing in HLA typing** but also **providing diagnostic services** in the field of hematology and hematopoietic stem cell transplantation. By that we play a vital role in the global effort to fight blood cancer and leverage state-of-the-art biotechnological methods. It is our aim to deliver **high-resolution and high-throughput genotyping**, continuously evolving our practices in line with the latest advancements in medical research.

As part of the DKMS family, the DKMS Life Science Lab is dedicated to **delivering genotyping services on a high level of quality to support stem cell donor registries, transplant centers, hospitals, scientists and other healthcare professionals around the globe**. Using DNA extracted from buccal swabs (cheek smear) or blood samples, we analyze and define the precise genetic profiles of HLA genes and many more critical clinical data for matching stem cell donors with patients in need of transplants or ensure the treatment for patients aligns with their unique requirements.

Today, this advanced approach enables us to genotype **over one million samples annually** to give as many second chances at life as possible.



Genotyping

As our main focus, we provide high-throughput genotyping for HLA, KIR, blood groups, and other relevant markers using our proprietary NGS workflow, supporting registries, centers, and research. In addition to our high-throughput lab, we also operate a clinical and a research & development lab enabling tailored solutions across diverse needs.



CMV status

We determine CMV status from buccal swabs with high accuracy, offering a fast, non-invasive alternative to plasma testing.



Diagnostics

We improve the life of patients by developing and applying diagnostic solutions.

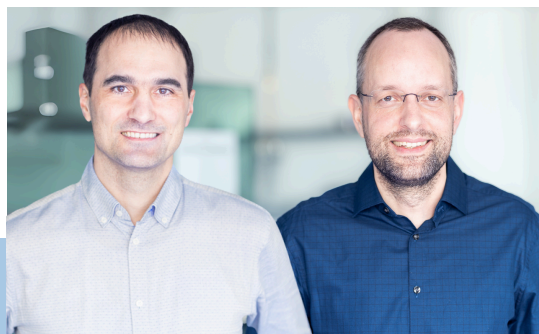
Together, we power the science behind second chances

Operating from a **state-of-the-art headquarter** in Dresden, Germany, and a second facility in Kolkata, India, the DKMS Life Science Lab employs **200 highly qualified employees**. These experts process up to 5,000 samples daily, focusing on tissue characteristics, including **HLA markers, blood groups, KIR and others**, to ensure optimal donor-patient matches.

The lab's thorough quality management is underscored by

- **DIN EN ISO 15189 accreditation by DAkkS¹**
- **Certification of GMP² compliance by State Directorate of Saxony, Germany**
- **Accreditation from EFL³ according to their standards, as requested by WMDA⁴**

Beyond its core operations, our lab **actively contributes to scientific research**, collaborating with academic institutions and supporting clinical studies aimed at improving transplantation outcomes.



Through our efforts, the lab enhances the efficiency of donor matching but also advances the broader field of diagnostics in hematopoietic stem cell transplantation.

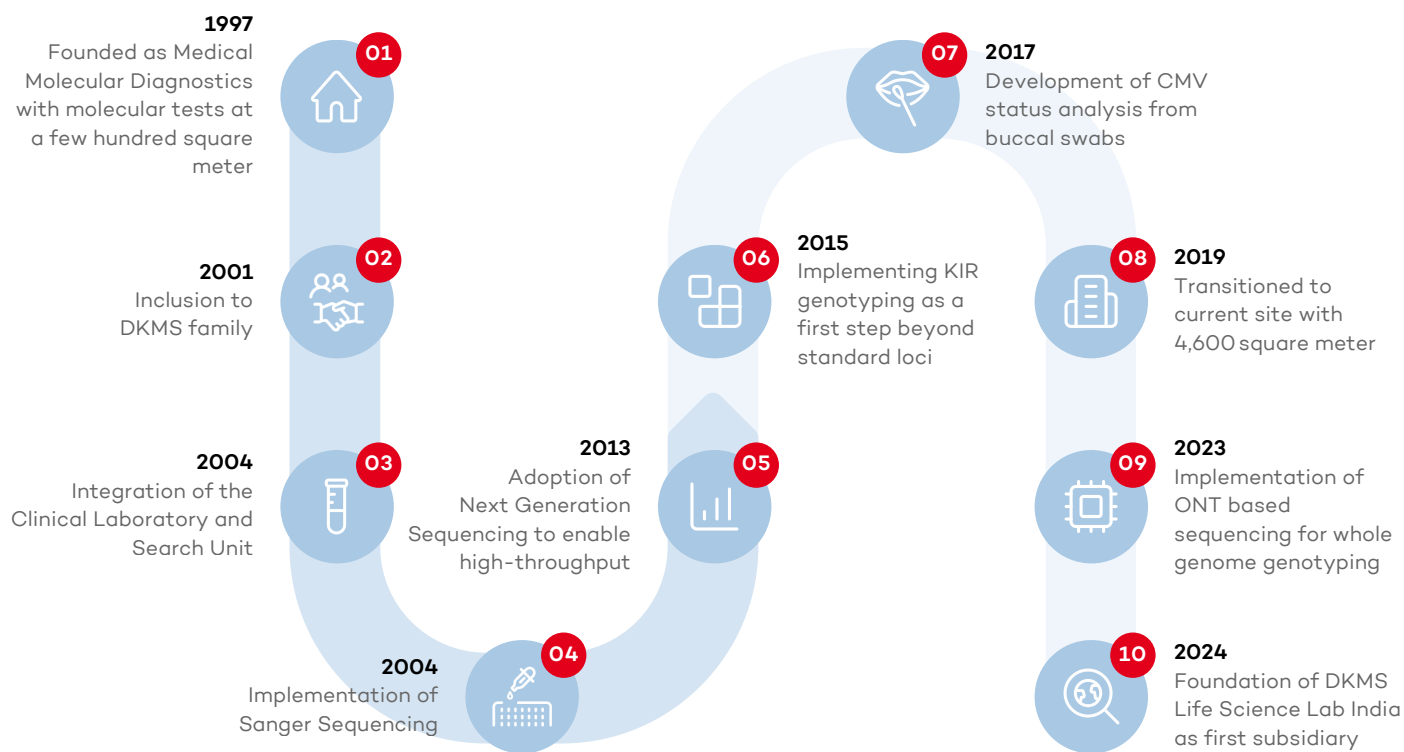
Dr. Vinzenz Lange
CTO

Thomas Schäfer
COO

[1] German Accreditation Body
[2] Good Manufacturing Practice

[3] European Federation for Immunogenetics
[4] World Marrow Donor Association

Our history



Contact

Want to know more about DKMS Life Science Lab's services?
See fact sheet "HLA Typing Service and beyond".

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DKMS Life Science Lab

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- More than **25 years of experience**
- Up to **1 million typings per year**
- **Cost-effective** due to **highly automated** lab processes
- **Non-profit** organization

More information



dkms-lab.de