

Meet Siemens Healthineers

Siemens Healthineers: Our brand name embodies the pioneering spirit and engineering expertise that is unique in the healthcare industry. The people working for Siemens Healthineers are totally committed to the company they work for, and are passionate about their technology. In this section we introduce you to colleagues from all over the world — people who put their hearts into what they do.

Jan Brandt, Ph.D.

Jan Brandt is a biomedical engineer with expertise in materials science and tribology, the science of friction and wear. He began his career with an apprenticeship as an industrial mechanic for turbines at ABB in Mannheim, Germany, before studying Mechanical Engineering at University of Duisburg-Essen, Germany.

During his studies, Jan spent time at the National Research Council in Vancouver, Canada, and at the University of Western Australia in Perth, where he worked in the mining industry and was later introduced to the tribology of orthopedic implants and medical devices. Through various scholarships, he returned to Canada to conduct his Ph.D. in Biomedical Engineering at the University of Waterloo, while conducting his research at the Orthopaedic Division of the London Health Sciences Centre in London, Ontario. After graduating, he moved to Winnipeg, Manitoba, where he directed the implant research capabilities at the Orthopaedic Innovation Centre. In this role, he focused on developing implant test methods, evaluating hip and knee replacement technologies, and conducting clinical trials and extensive outcome research.

After 15 years abroad, Jan returned to Germany with his wife and two sons. Before joining Siemens Healthineers in 2022, he worked at Schaeffler in Herzogenaurach and later founded a proactive analytics company, applying data-driven approaches to engineering and healthcare challenges. Today, Jan is the Clinical Marketing Manager for MR Therapy in the Clinical Scientific Marketing Team. He leads the global clinical and scientific marketing strategy for MRI-guided therapy across the 0.55T, 1.5T, and 3T MRI portfolios, helping translate innovative imaging technologies into improved therapeutic workflows and better patient care.



Erlangen,
Germany

How did you first come into contact with MRI?

During my time in orthopedic research, I worked on a study that compared X-ray, CT, and MRI scans of freshly frozen cadaveric lower limbs to evaluate bone and some biomechanical characteristics. Seeing MRI for the first time was a defining moment. I was amazed by the level of anatomical detail it revealed: not only the bone itself, but also the surrounding soft tissues, ligaments, and structures. X-ray and CT simply cannot visualize those things. That experience sparked a lasting interest in MRI and ultimately led me back to imaging, where I now work to help bring its clinical value into therapeutic applications.

What do you find most motivating about your job, and what do you think is the most exciting development in MRI-guided therapy?

What motivates me is knowing that our work can have a real impact on patient care. While I can't treat patients myself, I can help physicians access imaging technologies that support diagnosis and guide interventions. Through clinical evidence, scientific collaboration, and education, we can accelerate the adoption of innovations that may help to improve patient outcomes. Being able to contribute

to that process is incredibly rewarding. On a personal level, losing a close friend to cancer changed the way I look at my professional career. Accompanying him throughout his clinical journey made me realize that engineering is much more than developing innovative technologies. To me, it is about giving physicians better tools to help patients. That sense of purpose has stayed with me ever since I switched from the mining industry to orthopedic research more than 20 years ago.

What excites me is that MRI is evolving beyond a purely diagnostic imaging modality into an integral part of the interventional pathway. With innovations such as the MAGNETOM Free.XL and the Nexaris platform, and together with our partners, we are enabling physicians to image, plan, treat, and monitor interventional outcomes within a single ecosystem. This may open up new opportunities for entirely new MRI-guided procedures and intervention pathways that were previously difficult or simply not feasible. This is a genuine paradigm shift. We are no longer just building better MRI scanners; we are helping redefine how therapy is delivered. The opportunity to support physicians with imaging technologies that aid

precision medicine, guide minimally invasive interventions, and may ultimately enhance patients' quality of life is what makes the future of MRI-guided interventions so exciting.

What would you do if you could spend a month doing whatever you wanted?

Although I would try to keep the month free from work, I have always enjoyed spending time in the clinic, observing physicians, and understanding their workflows. Being close to the point of care has always been a very rewarding part of working in the healthcare environment. If I could spend one month doing whatever I wanted, I would probably split it between two very different but equally

satisfying things: Part of me would escape into the Canadian backcountry to go fishing, camping, and enjoy the peace and solitude with my family away from everyday responsibilities. Canada was my home for many years, and I was able to explore much of the country. I find the vastness of the Canadian wilderness incredibly grounding and inspiring. The other part of me would spend long days in my garage with my sons, restoring classic mopeds from the 1960s and 1970s by taking them apart, fixing them, and making them look beautiful again. Since I was a teenager, I have been captivated by the ingenious engineering of that era — a time when these small, remarkably reliable machines were built to last.

Get to know us



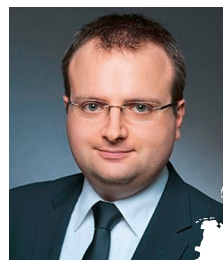
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