

The company:

terrapiasma medical GmbH offers an innovative, unique solution for the treatment of acute and chronic wounds. The plasma care® is a portable, battery-driven medical device which inactivates bacteria, viruses, fungi and spores with cold atmospheric plasma (CAP) and thereby contributes to wound healing. CAPs are partially ionized gases that have outstanding anti-microbial properties.

terrapiasma medical is ISO 13485 certified and has successfully completed the CE conformity assessment procedure for the plasma care®. In June 2019 all necessary certificates were issued to terrapiasma medical GmbH from TÜV Rheinland (notified body). Since July 2019 the plasma care® is used in a post-market clinical follow-up trial according to ISO 14155 for the treatment of infected chronic wounds.

terrapiasma medical unites the principles of its two parent companies terrapiasma GmbH and Dynamify GmbH (today Ditabis AG), i.e. scientific know-how in cold atmospheric plasma and regulatory compliant development of mobile medical technology. The team of terrapiasma has done pioneering research on plasma medicine at the internationally renowned Max Planck Institute for extraterrestrial Physics.

terrapiasma medical is based in Garching near Munich, Germany, and currently has a team of eight motivated employees with scientific, engineering and business backgrounds as well as two student interns.



The people behind the idea:

Dipl. Tech. Math. Jens Kirsch studied applied mathematics with focus on medical technology. Working as a consultant, he advised various clients in the development and approval of medical devices. As a project manager he was responsible for international teams of up to 30 engineers covering the complete development process. In the beginning of 2014 Jens Kirsch co-founded Dynamify GmbH to develop a digital wireless dermatoscope for skin cancer screening. He served as CEO until the Dynamify wireless dermatoscope was sold to an established competitor in 2016. Since the founding of terrapiasma medical GmbH in 2016 Jens Kirsch serves as the CEO.

Priv.-Doz. Dr. rer. nat. habil. med. Julia Zimmermann (CTO) studied physics, received her doctorate in biophysics and habilitated in medicine (neuropathology) in the field of cold atmospheric plasmas. Her focus in her field of research was on the interaction of cold atmospheric plasmas with prokaryotic and eukaryotic cells as well as in the supervision of clinical trials. Julia Zimmermann published more than 60 publications in the field of plasma medicine and lectures at the Technical University of Munich. Julia Zimmermann together with Prof. Dr. Gregor Morfill and other scientists founded the company terrapiasma GmbH. Since founding the spin-off terrapiasma medical GmbH in 2016 Julia Zimmermann serves as CTO.

Prof. Dr. Dr. h.c. Morfill (Advisory Board) is an expert in the field of plasma physics. He is a former director of the Max Planck Institute for Extraterrestrial Physics. His management activities include 30 years of collaboration with international teams with more than 100

scientists, engineers, technicians and doctoral students. Gregor Morfill has published more than 500 publications and received numerous awards.

Dr. rer. nat. Claudia Roskopf (Clinical Project Manager) holds a doctorate in biochemistry with a focus on medical biotechnology. She has in-depth knowledge of the German healthcare and the pharmaceutical/biotech industry and supervises the current randomized clinical trial.