

TICEBA GmbH in a nutshell

TICEBA is a highly innovative German life science company acting the field of stem cell research and regenerative medicine.

On the basis of its own research and exclusively licensed procedures, TICEBA practices the sampling, qualitative analysis and long-term storage of adult stem cells of the human skin, taking into account the latest international findings in research and meeting the strictest international standards in the process.

TICEBA is the first private tissue bank worldwide offering its clients the personal and individual storage of skin tissue and the stem cells contained therein - as a unique, service for health prophylaxis on the highest level worth the expense and in accordance with the latest developments of science and technology.

TICEBA was founded by the physician and entrepreneur Dr. Christoph Ganss M.D. (*1964) in the year 2003. Business operations commenced on the 1st of March 2005. The company is domiciled in the technology park in Heidelberg, Germany.

TICEBA is the only company to dispose of a global patent for the evaluation of the quality of stem cells of the skin. Dr. Markus Frank M.D. (*1965) could be obtained as scientific counsellor. He is a scientist for basic research at the “Transplantation Research Center of Brigham and Women’s Hospital and Children’s Hospital Boston, Harvard Medical School”. His focus in research is on adult stem cells of the skin, transplantation immunology as well as cancer research. He is the one who has discovered ABCB5 P-glycoproteins that play a key role with regard to adult stem cells of the skin and multi-drug resistance. Shortly he has made an important discovery together with his colleague Dr. George Murphy, the chief physician of the dermatology department. They have identified and selectively destroyed tumour stem cells in the case of melanoma, one of the most feared cancer diseases. Cancer researchers have been on the trail of particularly aggressive cells – cancer stem cells - for a long time. They are suspected to play a key role in the development of a tumour at times many years after the first occurrence and in the development of metastases. The researchers were able to prove that there are a few of these cells

that are slumbering in the body even after successful treatment only to flare up again one day. Dr. Frank and Dr. Murphy have identified these cancer stem cells now and eliminated them with the help of the protein ABCB5. Dr. Frank has been awarded several scientific prizes and scholarships.