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Fraunhofer IST

- 23 Fluidic separator
- 24 Plasma technology in life sciences
- 25 Antibacterial effect of copper layers on door handles

Fraunhofer IZI-BB

- 26 Molecular biological procedures for the reduction of atmospheric methane
- 27 Various apparatus-free on-site rapid test systems for environmental analytics for the specific and nonspecific testing of pathogens and toxins in environmental samples

Fraunhofer Group for Life Sciences

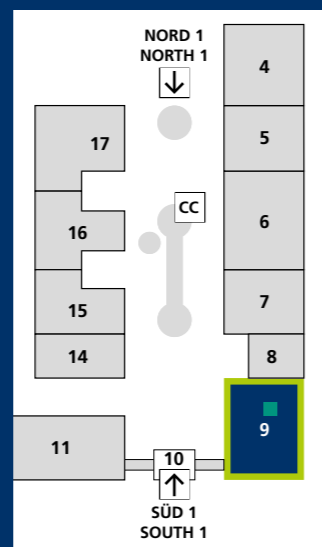
- 28 Overview of the expertise in the Fraunhofer Group for Life Sciences

OTHER FRAUNHOFER RESEARCH INSTITUTIONS AT BIOTECHNICA/LABVOLUTION

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Hall 9, Booth 77/1

Biotechnica, October 6–8, 2015, Hannover, Hall 9, Booth C34



■ Hall 9, Booth C34

Communications

Head | Klaudia Kunze | Hansastrasse 27 c
80686 Munich, Germany

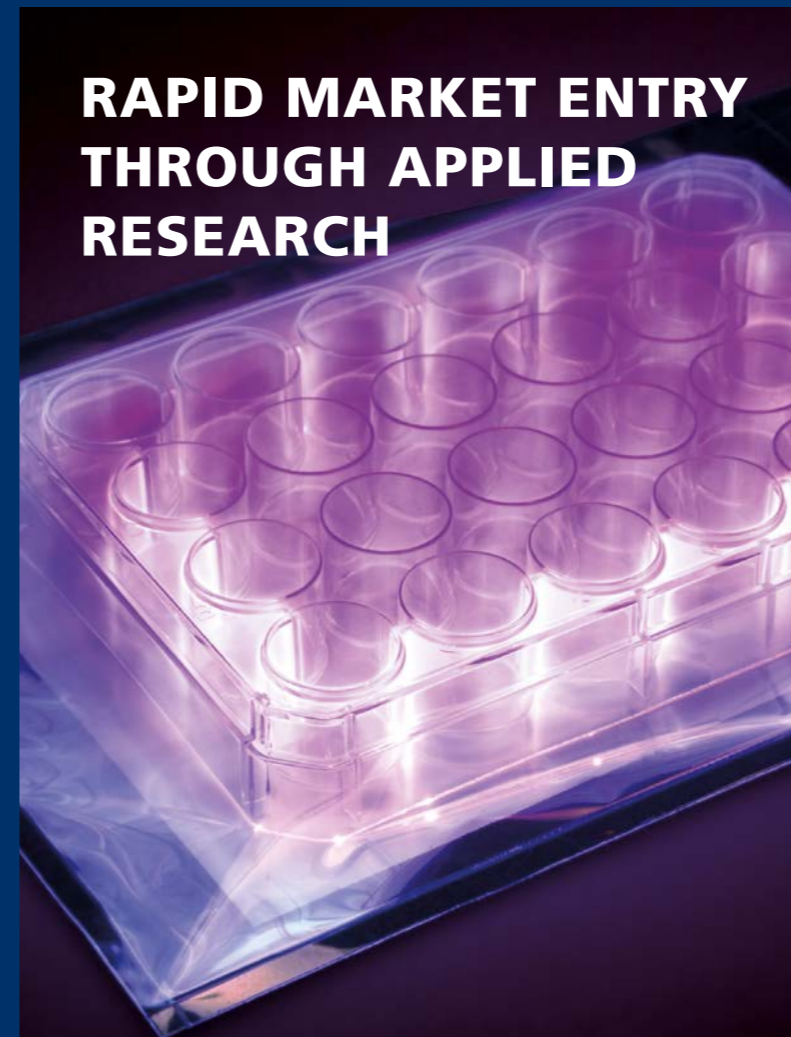
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RAPID MARKET ENTRY THROUGH APPLIED RESEARCH



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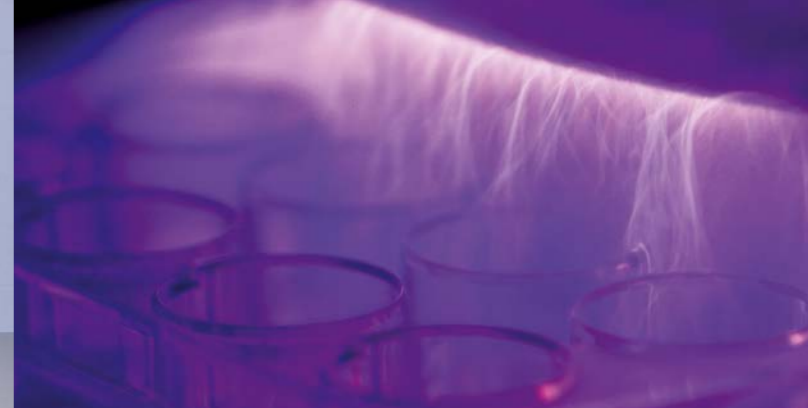
Short developmental periods combined with a high client orientation are important success factors for businesses. Here, the Fraunhofer-Gesellschaft as the largest research organization for applied research in Europe can contribute with its application relatedness and market closeness. Translation – the transfer of research results to their application – is a lived concept through the proximity to universities and research institutes, on the one hand, as well as businesses, clinics, and users, on the other hand.

New developments in the life sciences are strongly driven by the interaction of different disciplines such as medicine, computer science, biotechnology, optics, biochemistry, process engineering, material science, and automation. Highly diverse disciplines are connected in the Fraunhofer-Gesellschaft to quickly and successfully accomplish even complex projects for our clients.

Come and see us in Hall 9, Booth C34

Scientific coordinator

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THE FRAUNHOFER EXHIBITORS

Fraunhofer Institute for Applied Information Technology FIT
www.fit.fraunhofer.de

Fraunhofer Institute for Integrated Circuits IIS
www.iis.fraunhofer.de

Fraunhofer Institute for Chemical Technology ICT, branch IMM
www.imm.fraunhofer.de

Fraunhofer Institute for Applied Optics and Precision Engineering IOF
www.iof.fraunhofer.de

Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB
www.igb.fraunhofer.de

Fraunhofer Institute for Surface Engineering and Thin Films IST, Braunschweig and Application Center for Plasma and Photonics, Göttingen
www.ist.fraunhofer.de

Fraunhofer IGB, Translational Center "Regenerative Therapies for Oncology and Musculoskeletal Diseases", Würzburg branch
www.igb.fraunhofer.de

Fraunhofer Institute for Toxicology and Experimental Medicine ITEM
www.item.fraunhofer.de

Fraunhofer Institute for Cell Therapy and Immunology IZI, branch Bioanalytics and Biosensors
www.izi.fraunhofer.de

Fraunhofer Group for Life Sciences
www.lifesciences.fraunhofer.de

THE FRAUNHOFER EXHIBITS

HALL 9, BOOTH C 34

PERSONALIZED MEDICINE TECHNOLOGIES

Fraunhofer ICT-IMM

- 1 Lab-on-a-chip technology platform for molecular point-of-care diagnostics
- 2 Miniaturized cytometry with optical tumor cell detection

Fraunhofer IGB

- 3 Next-generation diagnostics and microbiomics

Fraunhofer ITEM

- 4 Preclinical models for pharmaceutical development and toxicology tests
- 5 Clinical Research Center Hannover – your partner for clinical studies of phases I and II

Fraunhofer Group for Life Sciences

- 6 Personalized medicine – services in the Fraunhofer Group for Life Sciences

REGENERATIVE MEDICINE/TISSUE ENGINEERING

Fraunhofer IGB

- 7 3D in vitro tissue models as test systems for drugs, cosmetics, and chemicals
- 8 Non-destructive method for quantitative analysis of in vitro skin models
- 9 Customized bioreactors and incubator systems for in vitro culture of human tissue under physiological conditions

Fraunhofer IST

- 10 Atmospheric pressure plasma processes for applications in the field of bio- and medical technology

BIO-IT & BIG DATA

Fraunhofer FIT

- 11 Interactive high content image analysis

BIO-SERVICES

Fraunhofer FIT

- 12 Fluorescence based quantification of nucleic acids
- 13 Faster sepsis diagnosis

Fraunhofer IST

- 14 Inside coating of synthetic bags
- 15 Plasma devices for the variable use of atmospheric pressure plasma

Fraunhofer ITEM

- 16 Pharmaceutical biotechnology – from cell line development to fill & finish

OTHER THEMES AND EXHIBITS

Fraunhofer ICT-IMM

- 17 High temperature reactor for nanoparticle synthesis
- 18 Continuous formation of polymer particles and capsules
- 19 3D plasma treatment of complex microscopic objects

Fraunhofer IIS

- 20 Computer-assisted microscopy: digital pathology and training systems

Fraunhofer IOF

- 21 Label-free biosensors based on lateral imaging SPR
- 22 Ultra-thin array-microscope for imaging and sensing