TransMIT
Gesellschaft für
Technologietransfer mbH

SERVICES FOR SCIENTISTS AND ACADEMICS



from the shareholder universities of
TransMIT Gesellschaft
für Technologietransfer mbH

YOUR SYSTEM PARTNER FOR INNOVATION



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Kerkrader Strasse 3
D-35394 Giessen
Germany
Phone: +49 (0)641 94364-0
Fax: +49 (0)641 94364-99
Email: info@transmit.de
www.transmit.de

Published: May 2026

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TECHNOLOGY TRANSFER AS A SYSTEM PARTNER FOR INNOVATION

What is TransMIT's role?

Companies across all industries depend on research and science to generate new ideas and solutions that can be turned into innovative products, processes, or services. This applies to every stage of the value chain: idea generation, development and optimization of prototypes, production, and finally market entry.

The languages of the two worlds – basic research on the one hand and application- or market-oriented organizations on the other – are, as experience shows, shaped by different vocabularies and perspectives. It is therefore beneficial to have a "translator" or intermediary for both sides, one who can help many cooperation projects at the interface between science and business move forward much more quickly and effectively. TransMIT acts as such an intermediary.

For TransMIT, the first priority is to represent the interests of scientists and their universities and to negotiate appropriately and on equal footing with corporate clients. TransMIT ensures that scientific findings and research results are not sold for less than their worth, since they are the outcome of great, often years-long commitment by the scientists and, in most cases, publicly funded research sponsors such as the German Research Foundation (DFG).

TransMIT now negotiates several hundred contracts per year with clients from around the world, always with the goal of securing IP and publication rights for universities and scientists as comprehensively as possible.

TransMIT sees itself as a flexibility instrument alongside and in addition to the universities, which – through its broad range of services and products across all disciplines and along the entire value chain – aims to be perceived by customers as a system partner for innovation. In addition, TransMIT also serves as an incubator for potential spin-offs from universities.

COMMERCIALIZATION OF INNOVATIVE PRODUCTS, SERVICES AND INVENTIONS, AND COOPERATION WITH COMPANIES

What opportunities does TransMIT offer scientists?

TransMIT offers scientists from its shareholder universities cooperation on several levels:

▼ (1) Leading your own “Business Unit”

With the aim of commercializing product or service ideas, as well as consulting and training offers, that arise from your own research, you can, as a scientist, lead your own “Business Unit” under the umbrella of the GmbH. This gives you the opportunity to carry out commercial activities and industrial cooperation without having to found a company yourself right away.

In doing so, you benefit from all the advantages of the GmbH structure: flexible and fast responses to customer inquiries, flexible employment options for project staff, and the ability to invest profits generated from projects, as well as extensive liability coverage and the conclusion of all necessary insurance policies by the GmbH.

The management of such a “TransMIT Center” or “TransMIT Project Division” is carried out as a secondary activity. However, project work can be conducted on the university premises – on the basis of appropriate permission agreements and payment of a usage fee for any infrastructure required.

How the TransMIT service center supports you in your projects is explained in the following chapter. Figure 1 provides an overview of the overall structure of the “TransMIT Centers and Project Divisions.”

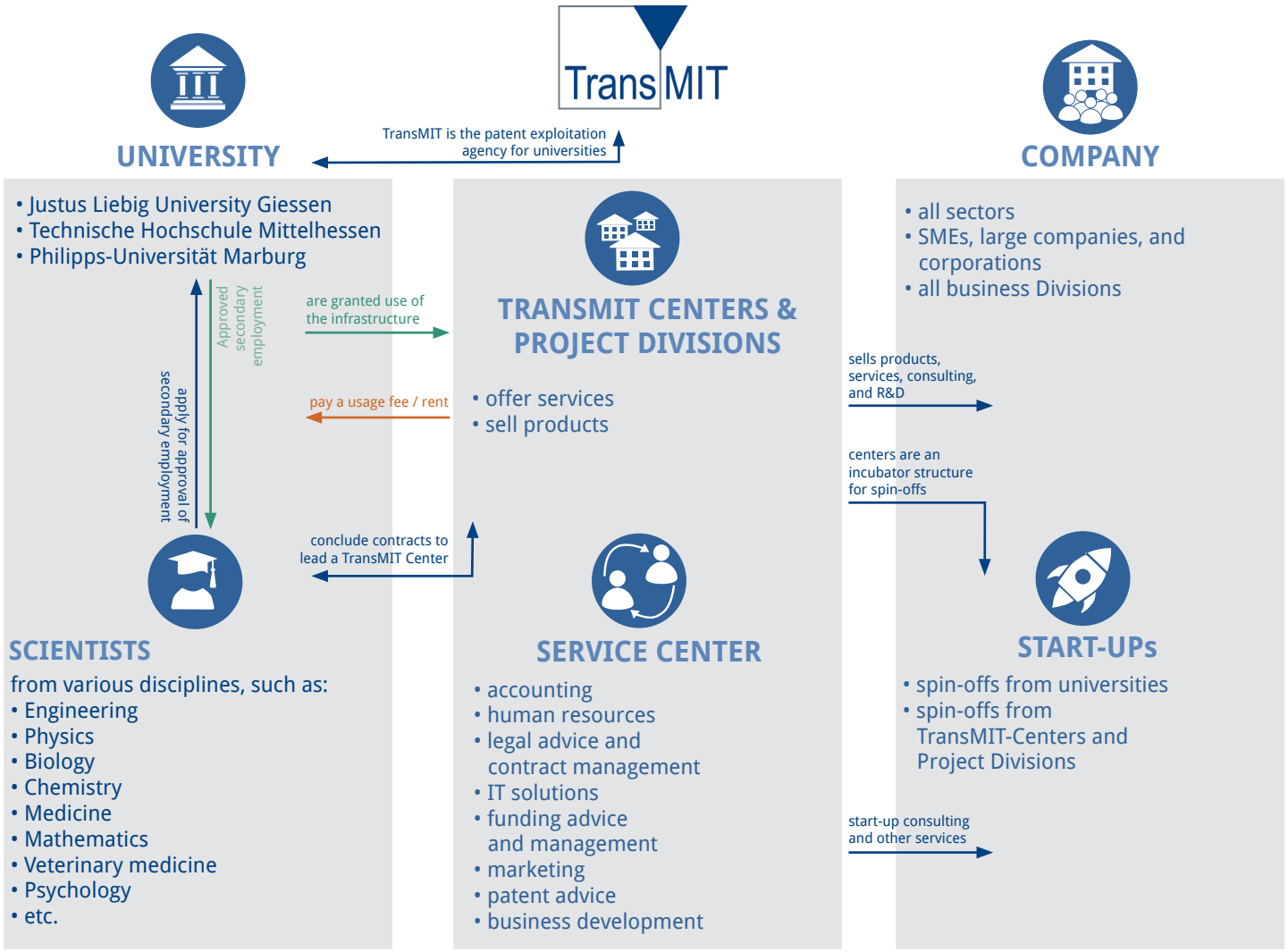


Figure 1: Model of the „TransMIT Centers and Project Divisions“

At present, nearly 220 scientists are working under our umbrella in more than 170 “TransMIT Centers and Project Divisions.” TransMIT therefore also serves as a central contact point, especially in Central Hesse, for industry when companies are looking for expertise and support from scientists.

An overview of the existing Centers and Project Divisions can be found in the appendix.



Figure 2: TransMIT Centers and Project Divisions



▾ (2) Preparing spin-offs

If it becomes apparent that the business activities of a TransMIT Center or Project Division are particularly successful and sustainable – for example because the products offered are unique or a sought-after service is based on the exclusive knowledge of the center director – a spin-off may be considered as a way to consolidate and expand the business activity.

This option is especially interesting because it also opens up prospects for young researchers beyond the university research environment and can help keep them in the region. In recent years, it has become clear that roughly one spin-off from a TransMIT Center or Project Division takes place every three years.

Prominent examples include the Germany-wide well-known museum “mathematikum – Mathematik zum Anfassen”, as well as sterna biologicals GmbH & Co. KG and rhd instruments GmbH & Co. KG.



Figure 3: Inventions in the fields of lung research, vacuum technology, plasma technology, biochemistry, simulation technology and many more

▼ (3) Commercialization of inventions

If, as a scientist, you make inventions in the course of your university work, you are obliged as an employee to report them to your employer as service inventions. Your university then decides whether it wishes to claim the invention and secure it through IP protection – for example by filing a patent or utility model application – or whether it releases the invention to you for possible private development.

Since 2001, TransMIT has also acted as a so-called “Patent and Exploitation Agency” (PVA) for its shareholder universities and other research institutions in Hesse and beyond.

Accordingly, we assess your inventions on the basis of patent and market research, secure IP rights, and commercialize protected inventions. In addition, we support patenting procedures and ensure compliance with all relevant deadlines vis-à-vis the patent offices, while also managing the patent portfolios of our university clients.

Naturally, this always involves ongoing communication and coordination with you as the inventor in order to ensure the best possible scope of protection and the greatest possible commercialization opportunities for your invention.

For commercialization purposes, we approach a large number of companies worldwide for whom the invention could be commercially interesting. Our aim is to find licensees or buyers for the university’s IP rights. Where possible, we strive for the university to participate commercially in any revenues that the licensee or buyer generates with the invention. You as the inventor, or the group of inventors, then participate in this through the statutory inventor remuneration.

SUPPORT FROM A TO Z

What does TransMIT do for scientists?

▼ (1) For your “Business Unit”

So that you can focus fully on your research and projects, we take over administrative tasks related to your TransMIT activities to the greatest extent possible.

In practical terms, this means that even preparing quotations for your prospective clients is very straightforward thanks to the possibility of using an online tool in our intranet. Your draft quotations are automatically subjected to internal financial and legal review within a very short time and, if necessary, adjusted after consultation with you so that any risks are largely eliminated from the outset.

If contracts need to be negotiated with your clients, our legal department handles this, i.e. the lawyer responsible for your center or project Division. We also check whether the project is covered by the existing insurance package or whether additional insurance coverage is required.

After an order has been completed, or at pre-defined intervals in a longer-term project, our accounting department takes care of invoicing via your cost center maintained with us. Once payment has been received, we also transfer the corresponding usage fees to your university.

For the processing of orders and projects, you may also employ staff in your TransMIT Center or Project Division; in that case, TransMIT GmbH is the employer. The company now has around 140 employees working for TransMIT Centers or Project Divisions, mostly under permission agreements in university premises.

To promote your expertise, we use various channels: classically via our website – and, on request, we can also program a center-specific website in TransMIT’s corporate design – or through presentations and brochures at trade fairs and conferences, or, more modernly, via social media, especially the business network LinkedIn. For the publication of special project successes, our press officer is also available to write and distribute press releases.

In some cases, obtaining CE marking is essential in order to bring certain products to market at all. We support you on this path and coordinate the various steps. Based on our experience with certifications already completed successfully, we can also connect you with experts who can support you with documentation and related tasks.

As a special service, we regularly search a wide range of funding portals and tender databases for suitable programs and contracts, and we notify you if appropriate funding opportunities or bidding options arise. Within your TransMIT Center or Project Division, you have the opportunity to participate in funding projects as a “small or medium-sized enterprise” (SME), which TransMIT is – provided, of course, that your cost center can provide the usually necessary co-financing. If needed, we can also connect you with project partners from other TransMIT Centers and Project Divisions, universities, or companies that may still be required for your project.

If you have funding projects with us, we also take care of funding management and controlling, including communication with the project sponsor, so that you have to deal as little as possible with administrative matters.

If you would like to offer training courses, workshops, or conferences through your TransMIT Center or Project Division within the framework of our TransMIT Academy, TransMIT GmbH can act as the organizer and handle participant booking and fee management. A booking tool accessible via our website is available for this purpose, allowing your participants to register conveniently and providing us with all relevant data for later issuance of certificates of participation and invoices.

▼ (2) For preparing spin-offs

When preparing and supporting spin-offs, TransMIT fulfills various tasks:

On the one hand, with its TransMIT Centers it provides an incubator structure in which the business idea can first be tested with low risk and tried out in the market. Here, TransMIT already provides support on strategic, business-related, and legal issues.

In the next step – that is, once a spin-off is being planned concretely – TransMIT can support the preparation of the business plan as a start-up advisor and provide assistance with all questions related to founding a company. This consulting service can, where applicable, be financed through EXIST funding (a funding program of the German Federal Ministry for Economic Affairs and Climate Action).

Even after the spin-off has taken place, many TransMIT services can still be used. If desired, agreements can be made, for example, for accounting services, the management of patent portfolios, or support for IT infrastructure.

▼ (3) For your inventions

If you have made a service invention that has been claimed by your university and is to be patented, we as the university's service provider work closely with you from the outset as the inventor in order to achieve the best possible protection for your invention and thereby improve commercialization prospects.

Cooperation begins with defining as precisely as possible the core of your invention in terms of novelty, inventive step, and industrial applicability – the three requirements for patentability – so that the broadest possible scope of protection can be claimed. On this basis, our patent and innovation managers can pass appropriately prepared specifications and instructions on to the patent attorneys.

We then coordinate the drafts for patent applications with you, as well as later responses to examination reports, and keep you informed about important events during the examination procedure before the patent office. Our specially programmed database gives us an up-to-date overview at all times of the patent proceedings and portfolios in which you are involved as an inventor.

For more than 25 years, we have supported IP rights in Europe, North America, Asia, and other regions worldwide, and accompanied the sometimes quite com-

plex patent proceedings before the European Patent Office (EPO), the German Patent and Trademark Office (DPMA), as well as international proceedings under the Patent Cooperation Treaty (PCT).

As part of the commercialization of protected inventions and patents, we contact numerous companies on behalf of the university as potential licensees or buyers. If there is interest, we also initiate and support discussions with you as the inventor where necessary. Naturally, we arrange appropriate confidentiality agreements in advance so that you can speak as freely as possible about your invention with the interested party.

If interest becomes more concrete, TransMIT negotiates the corresponding license or purchase agreements on behalf of the university. You as the inventor and your university can always rely on our experience, because TransMIT was rated the best patent exploitation agency in two independent surveys conducted by federal ministries.

Often, the invention is still too far from possible market entry for direct commercialization to be feasible. In such cases, TransMIT supports the university and the inventor in obtaining validation funding. This refers to federal funding for projects that further develop inventions or processes, some of which are already patented, with the aim of bringing them one or more steps closer to practical application and thereby improving commercialization prospects.

To this end, TransMIT can not only prepare the administrative groundwork but also provide roughly half of the application content, since validation funding applications also require information on the IP and exploitation strategy for the project results and on the target market. TransMIT has extensive expertise and experience in this area.

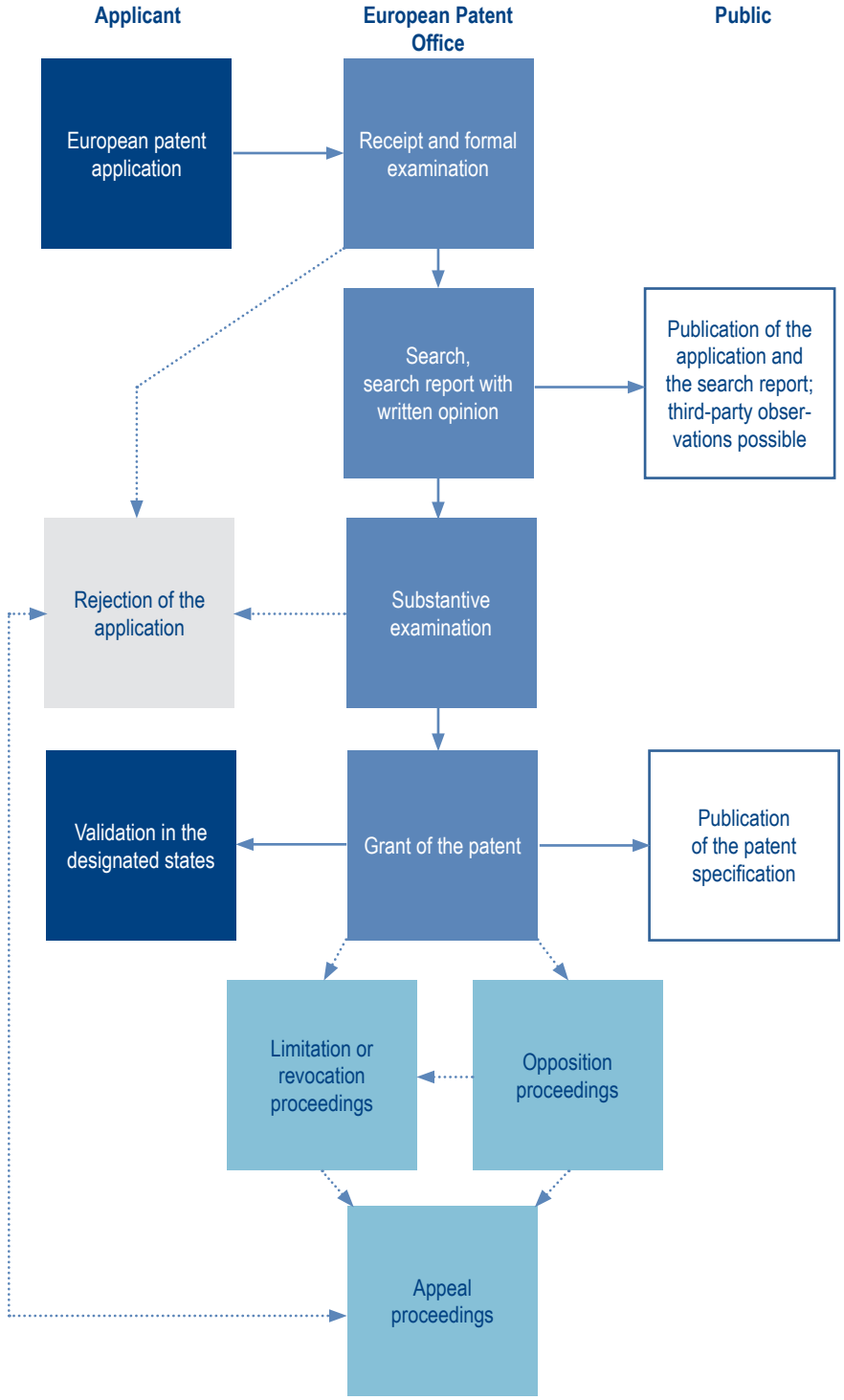


Figure 4: Overview of the grant procedure

A CENTRAL HESSE SUCCESS STORY

What is TransMIT GmbH?

Research, science, and teaching at universities generate many creative and innovative ideas and solutions that are worth considering for transfer into practical application. That is precisely the third task of universities: technology transfer.

In 1996, the universities of Central Hesse – Justus Liebig University Giessen, Technische Hochschule Mittelhessen (then University of Applied Sciences Giessen-Friedberg), and Philipps-Universität Marburg – decided, as one of their first joint projects, to establish a GmbH in order to fulfill this task. Together with regional cooperative banks and savings banks as well as the Gießen-Friedberg Chamber of Industry and Commerce as additional shareholders, this decision was then implemented.

This led to a now medium-sized company with around 170 employees, which also works with more than 220 scientists from all disciplines at the shareholder universities – mostly professors – in “Business Units” led by them under the umbrella of TransMIT.

The success of this model, which has also attracted nationwide attention, is reflected in the company’s now more than 25 years of activity as well as several awards from federal ministries.

CONTACTS

Contact details at TransMIT

If you would like to learn more about setting up your own “Business Unit” and our TransMIT Centers business area, please contact:

▼ **Dr. Peter Stumpf** for spin-offs
Phone: +49 (0)641 9 43 64 – 12
Email: peter.stumpf@transmit.de

▼ **Susanne Oettinger** for general information and administration
Phone: +49 (0)641 9 43 64 – 40
Email: susanne.oettinger@transmit.de

If you would like to know more about inventions, patent applications and our Patent Utilization business area, please contact:

▼ **Dr. Michaela Kirndörfer** for inventions and patent applications
Phone: +49 (0)641 9 43 64 – 16
Email: michaela.kirndoerfer@transmit.de

For general information about TransMIT GmbH, the best way to contact us is:

▼ **TransMIT Gesellschaft für Technologietransfer mbH**
Kerkrader Strasse 3
D-35394 Giessen
Phone: +49 (0)641 9 43 64 – 0
Fax: +49 (0)641 9 43 64 – 99
Email: info@transmit.de
Website: www.transmit.de

LIST OF TRANSMIT CENTERS AND PROJECT DIVISIONS

As of 05/2026

A) Subject Divisions Medicine and Medical Technology:

TransMIT-Zentrum für Bioakustik und Atemphysiologie
Prof. Dr. Ulrich Koehler

TransMIT-Zentrum für Hygiene und technisches Gesundheitswesen (HTG)
Prof. Dr. med. Dipl.-Ing. Hans-Martin Seipp

TransMIT Center for Immunomodulation
Prof. Dr. med. Harald Renz

TransMIT Center for Immunotherapy of Cutaneous Inflammatory Diseases
Prof. Dr. Michael Hertl

TransMIT-Zentrum für innovative Therapien in der Pneumologie
Prof. Dr. med. Andreas Günther

TransMIT Center for medical Physics and Medical Informatics
Prof. Dr. Martin Fiebich

TransMIT-Zentrum für medizinische Technologie
Prof. Dr. Werner Seeger, Prof. Dr. Dr. Friedrich Grimminger

TransMIT Center for therapeutic research for Neurological Diseases
Prof. Dr. Richard Dodel

TransMIT Center for Translational Ophthalmology
Prof. Dr. med. Birgit Lorenz

TransMIT Project Division for Algorithmus Maximus – Translation and Regulatory Science in Regenerative Medicine
Prof. Dr. rer. nat Thaqif El Khassawna

TransMIT Project Division for anatomical demonstrations for professionals of the medical field
Dr. Christina Nassenstein, Prof. Dr. Andreas Meinhardt

TransMIT Project Division for advanced anatomical education and preparation
PD. Dr. Reiner Westermann, Jens Cordes

TransMIT Project Division for innate and adaptive immunity
Prof. Dr. Michael Bacher, Prof. Dr. Stefan Bauer, Prof. Dr. Markus Schnare

TransMIT-Projektbereich für angewandte Virologie
Prof. Dr. Stephan Becker

TransMIT Project Division for Antiviral Testing and Virus Diagnostics
Prof. Dr. rer. nat. Stephan Pleschka, Prof. Dr. med. John Ziebuhr

TransMIT Project Division for Biomaterials in paediatric dentistry
Prof. Dr. Dr. Norbert Krämer, Dr. Susanne Lücker

TransMIT Project Division for Dental Biomaterials in Operative Dentistry and Endodontics
Prof. Dr. Roland Frankenberger

TransMIT Project Division for Biomedical Sports Consulting
Prof. Dr. Karsten Krüger

TransMIT-Projektbereich für biomedizinische Signalverarbeitung und Neuroprothetik
Prof. Dr. Thomas Schanze

TransMIT-Projektbereich für chronische Entzündungsforschung
PD Dr. Holger Garn

TransMIT Project Division for Digital Healthcare and Medical Data Science
Prof. Dr. med. Tobias Müller

TransMIT-Projektbereich für eHealth und Organisation im Gesundheitswesen
Prof. Dr. rer. physiol. Volker Groß, Prof. Dr. rer. physiol. Keywan Sohrabi

TransMIT Project Division for Energy-Transmitting Applications in Dentistry
Prof. Dr. med. dent. Andreas Braun

TransMIT Project Division for development and veterinary application of interventional products
Prof. Dr. Matthias Schneider

TransMIT Project Division for Epilepsy and Stroke
Prof. Dr. Hajo M. Hamer, MHBA

TransMIT-Projektbereich für experimentelle und klinische Epilepsieforschung
Prof. Dr. Felix Rosenow

TransMIT Project Division for gene and cell based therapies in Ophthalmology
Prof. Dr. Lyubomyr Lytvynchuk PhD, Prof. Dr. Dr. Knut Stieger

TransMIT Project Division for Health Prevention and Promotion
Prof. Dr. Manfred Betz, Prof. Dr. Catharina Maulbecker-Armstrong

TransMIT Project Division for Haemostaseology
Prof. Dr. med. Ulrich Sachs

TransMIT Project Division for Innovation, Training and Education in Gastroenterology and Metabolism
Prof. Dr. med. Philip Hardt

TransMIT Project Division for medical IT solutions
M. Sc. Steffen Rupp

TransMIT Project Division for clinical pathophysiology and pathology
Prof. Dr. Andreas Moritz

TransMIT Project Division for Coordination of Clinical Studies
Carmen Schade-Brittinger

TransMIT Project Division for Pulmonary Diseases and Comorbidities
Prof. Dr. Peter Alter

TransMIT-Projektbereich für medizinische Mikrobiologie
Prof. Dr. Trinad Chakraborty

TransMIT Project Division for Molecular Veterinary Diagnostics
Prof. Dr. Hermann Willems, Prof. Dr. Dr. habil. Gerald Reiner

TransMIT Project Division for network-based Parkinson Research
Prof. Dr. Dr. h.c. Wolfgang Oertel

TransMIT Project Division for novel therapies in organ repair and regeneration
Prof. Dr. Saverio Bellusci

TransMIT Project Division for research in neuro-oncology
Prof. Dr. med. Christopher Nimsky, Prof. Dr. rer. nat. Jörg W. Bartsch

TransMIT Project Division for Oral Biology, Implantology and Periodontology
Prof. Dr. Jörg Meyle

TransMIT-Projektbereich für Paro-Implantologie
Prof. Dr. Reiner Mengel

TransMIT Project Division for Physical Methods in Dentistry
Prof. Dr. Michael Gente

TransMIT Project Division for preventive, exercise- and performance medicine
Prof. Dr. Frank Christoph Mooren

TransMIT Project Division for pulmonary Pharmacotherapy
Prof. Dr. rer. nat. Ralph Schermuly

TransMIT Project Division for registries and biobanks in pneumology
Prof. Dr. med. Andreas Günther

TransMIT Project Division for REPO4EU-RI
Prof. Dr. med. Harald H.H.W. Schmidt

TransMIT Project Division for Health Technology Assessment
Prof. Dr. rer. nat. Jens-Peter Reese, MPH

TransMIT Project Division for therapeutic Gene Targeting
Prof. Dr. Achim Aigner

TransMIT-Projektbereich für tierärztliches Clearing
Prof. Dr. Lutz-F. Litzke

TransMIT Project Division for Transfusion Medicine and Hemostaseology
Prof. Dr. med. Holger Hackstein

TransMIT Project Division for Translational Research in Preventive Dentistry
Prof. Dr. Carolina Ganß

TransMIT Project Division for translational lung research
Prof. Dr. Bernd Schmeck

TransMIT-Projektbereich für Versorgungsforschung und Beratung
Prof. Dr. phil. Wolfgang George

TransMIT Project Division for Health care research and rehabilitation
Prof. Dr. rer. pol. Susanne Hanefeld

TransMIT Project Division for Veterinary Anatomy in Digital 3D-Models
Prof. Dr. med. vet. Carsten Staszyk

TransMIT Project Division for veterinary clinical research and reproduction of non-mammal vertebrates
Prof. Dr. Michael Lierz

TransMIT Project Division for veterinary diagnostic imaging
Prof. Dr. Dr. h.c. Martin Kramer

TransMIT Project Division for Virtual Anatomy (ANATAR)
Prof. Dr. Ralf Kinscherf, Prof. Dr. Eberhard Weihe, Hans Schwarzbach

TransMIT-Projektbereich für Virushepatitis
Prof. Dr. Dieter Glebe, Prof. Dr. Wolfram H. Gerlich

B) Subject Divisions Biotechnology, Chemistry, Pharmacy:

TransMIT Project Division for Cosmetology & Pharmaceutical Technology
Prof. Dr. Cornelia Keck

TransMIT Center for Analytics, Biotechnology and Safety of Food
Prof. Dr. rer. nat. Gerd Hamscher

TransMIT Center for functionalized nanodiamonds
Prof. Dr. Peter R. Schreiner

TransMIT Center for innovative Plant Protection
Prof. Dr. Karl-Heinz Kogel

TransMIT Center for Polymer Research and Nanotechnology
Prof. Dr. Andreas Greiner

TransMIT-Zentrum für Modellkatalyse und Oberflächenchemie
Prof. Dr. Herbert Over

TransMIT Center for pharmacogenetic Diagnostics (PGvet)
Prof. Dr. Joachim Geyer

TransMIT-Zentrum für Protein-Engineering & -Analytik (ZEPA)
Prof. Dr. Jürgen Hemberger, Prof. Dr. Franz Cemic

TransMIT Center for Effect-directed Analysis (EDA)
Prof. Dr. rer. nat. habil. Gertrud Morlock

TransMIT Project Division for analysis quality and process analysis
Prof. Dr. Harald Platen

TransMIT Project Division for Applied Bioinformatics
Prof. Dr. Alexander Goesmann

TransMIT Project Division for Applied Microbiology
Prof. Dr. Sylvia Schnell

TransMIT Project Division for Soil Protection and Environmental Analysis
Prof. Dr. Rolf-Alexander Düring

TransMIT Project Division for Functional Materials and Solid State Analytics
Prof. Dr. Klaus Müller-Buschbaum

TransMIT-Projektbereich für funktionelle und pharmakologische Ionenkanal-Forschung
Prof. Dr. phil. nat. Niels Decher

TransMIT Project Division for Colloidal Drug Formulations
Prof. Dr. Udo Bakowsky

TransMIT Project Division for catalytic transformations, energy materials and energy consulting
Prof. Dr. Jörg Sundermeyer

TransMIT Project Division for microbial production of degradable polymers/ plastics
Dr. Matthew McIntosh

TransMIT Project Division for Mitochondrial Mechanisms of Neuronal Processes
Prof. Dr. Carsten Culmsee

TransMIT Project Division for Nutrient Dynamics in Terrestrial Ecosystems
Dr. Kristina Kleineidam, Prof. Christoph Müller

TransMIT Project Division for Recycling of Nutrients and Soil Fertility
Prof. Dr. Diedrich Steffens

TransMIT Project Division for Further Training in Natural Science
Prof. Dr. Richard Göttlich, Prof. Dr. Siegfried Schindler, Prof. Dr. Nicole Graulich

TransMIT Project Divsion for neuroscience and neurodegenerative diseases
Prof. Dr. Birgit Liss

TransMIT-Projektbereich für PainOmics
Prof. Dr. Eberhard Weihe, Dr. med. Martin K.-H. Schäfer

TransMIT Project Division for Parasite Research
Prof. Dr. Christoph G. Grevelding, Dr. Simone Häberlein

TransMIT Project Division for Plant Metabolites and Chemicals (PlantMetaChem - PMC)
Dr. Stefan Martens

TransMIT Project Division for Plant Nutrition and Fertilizer Assessment
Prof. Dr. Jakob Santner

TransMIT-Projektbereich für PolyNanoTec
Prof. Dr. Seema Agarwal

TransMIT Project Division for Protozoan research and diagnostics
Prof. Dr. Anja Taubert

TransMIT Project Division for Synthesis and Characterisation of Molecular Main Group Element Compounds
Prof. Dr. Carsten von Hänisch

TransMIT Project Division for Synthesis and Characterisation of Nanoparticles and Porous Materials
Prof. Dr. Bernd Smarsly, Dr. Teresa Gatti

TransMIT Project Division for Synthesis-Morphology-Mass Transport Relationships for Functional Materials
Prof. Dr. Ulrich Tallarek

TransMIT-Projektbereich für Tumorangiogenese
Dr. Carsten Dietz

TransMIT Project Division for Drug and Diagnostic Research
Prof. Dr. med. Harald Schmidt

TransMIT-Projektbereich für Zellbiologie des Respirationstraktes
Prof. Dr. rer. nat. Bernd Müller

TransMIT Project Division for cellular Signaling
Prof. Dr. Ralf Kinscherf

C) Subject Division Engineering:

TransMIT EMV-Laboratory
Prof. Dr. Rainer Thüringer, Prof. Dr. rer. nat. Chris Volkmar

TransMIT-Zentrum - Institut für biometrische Identifikationssysteme (IBIS)
Prof. Dr.-Ing. Michael Behrens

TransMIT Center for adaptive Cryotechnology and Sensors
Prof. Dr. André Schirmeisen

TransMIT Center for Applications of the Internet of Things (IoT)
Prof. Dr.-Ing. Michael Arndt

TransMIT Center for Architecture and Urban Design
Prof. Dr. Alexander Pellnitz

TransMIT Center for Thin-film Technologies, Micro- and Nanostructuring
Prof. Dr. Peter J. Klar, Prof. Dr. Sangam Chatterjee

TransMIT Center for electrochemical Materials Research and Interface Characterization
Prof. Dr. Bernhard Roling

TransMIT Center for Energy Technology and Energy Management
Prof. Dr.-Ing. Sven Pohl

TransMIT-Zentrum für Faseroptik und industrielle Laseranwendungen
Prof. Dr. Klaus Behler, Prof. Dr.-Ing. Karl-Friedrich Klein

TransMIT-Zentrum für Festkörperionik und Elektrochemie
Prof. Dr. Jürgen Janek

TransMIT-Zentrum für integrales Bauen
Prof. Dr.-Ing. Joaquín Díaz (Leadership duties on hold), Prof. Dipl.-Ing. Nikolaus Zieske, Prof. Dipl.-Ing. Dirk Metzger, Prof. Dipl.-Ing. Maik W. Neumann

TransMIT Center for Structural Engineering
Prof. Dr.-Ing. Jens Minnert, Prof. Dr.-Ing. Markus Blatt, Prof. Dr.-Ing. Bertram Kühn

TransMIT Center for Lightweight Design and structural Durability
Prof. Dr.-Ing. Udo Jung

TransMIT Center for TransMIT Center for Machine Elements, Design Methodology and Industrial Digitization
Prof. Dr.-Ing. Torsten Groß

TransMIT Center for Mass Spectrometric Developments
Prof. Dr. Bernhard Spengler

TransMIT Center for numerical Methods
Prof. Dr. rer. nat Tomas Sauer

TransMIT Center for Event Noise Control
Prof. Dr. Benjamin Bernschütz

TransMIT-Zentrum für Siedlungswasserwirtschaft, Biogastechnologie und regenerative Energien
Prof. Dr.-Ing. Ulf Theilen

TransMIT-Zentrum für Vakuumtechnik
Prof. Dr. Jörg Krempel-Hesse

TransMIT Center for Combustion Engines
Prof. Dr.-Ing. Claus Breuer

TransMIT Project Division for Water Resources Management and Hydrology
Prof. Dr.-Ing. Steffen Heusch

TransMIT Project Division for CO2 Storage and Utilization
Dr. Felix Brück

TransMIT-Projektbereich für Crashsimulation und Werkstoffmodellierung
Prof. Dr.-Ing. Thomas Pyttel

TransMIT-Projektbereich für dünne Filme aus organischen und organisch-anorganischen Hybridmaterialien
Prof. Dr. Derck Schlettwein

TransMIT Project Division for Electrical Power Engineering and Smart Grids
Prof. Dr.-Ing. Thomas Stetz

TransMIT-Projektbereich für elektrische Netze und Energieversorgung
Prof. Dr.-Ing. Ramzi Dib

TransMIT Project Division for Electric Propulsion
Prof. Dr. Peter J. Klar

TransMIT-Projektbereich für elektrotechnische Entwicklungen
Dipl.-Ing. Michael Kröning

TransMIT Project Division for Energy- and Process Technology
Prof. Dr.-Ing. Hans Minkenberg

TransMIT Project Division for Energy Economics and Sustainable Energy Supply
Prof. Dr.-Ing. Stefan Lechner

TransMIT Project Division for Optics Development and Application
Prof. Dr. Markus Degünther

TransMIT Project Division for Flowchemistry - Synthesis and Method Development
Prof. Dr. Hermann A. Wegner

TransMIT Project Division for Gas and Plasma Modelling
Prof. Dr. Christian Heiliger

TransMIT Project Division for Buildings-Systems-Technology and Renewable Energy
Prof. Dr.-Ing. Boris Kruppa, Prof. Dr.-Ing. Alfred Karbach, Prof. Dr.-Ing. Thomas Winkler, Prof. Dr.-Ing. Wolfgang Schulz-Nigmann

TransMIT Project Division for High-Frequency and Laser Technology
Prof. Dr. Martin Koch

TransMIT Project Division for intelligent sensors
Prof. Dr.-Ing. Hartmut Weber, Prof. Dr.-Ing. Michael Behrens

TransMIT Project Division for Ion Sources for Material Processing (IQM)
Dipl.-Ing. Maria Smirnova

TransMIT Project Division for Constructions in Timber Construction
Prof. Dr.-Ing. Achim Vogelsberg

TransMIT Project Division for Artificial intelligence in Automation
Prof. Dr.-Ing. Dorra Baccar

TransMIT Project Division for Power Electronics and Electromagnetic Modeling
Prof. Dr.-Ing. Uwe Probst

TransMIT Project Division for Material Characterization and Modeling
Dr.-Ing. Christian Alter

TransMIT Project Division for material testing
Prof. Dr.-Ing. Gerd Günther

TransMIT-Projektbereich für Mechatronik und computational Engineering
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▼ Figure 2: TransMIT Centers and Project Divisions“
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Rolf. K. Wegst

▼ Figure 3: Inventions in the fields of lung research, vacuum technology,
plasma technology, biochemistry, simulation technology and many more..
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Source: Europäisches Patentamt, Europäische Patente und das Erteilungsverfahren, 2015.

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Kerkrader Strasse 3
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Phone: +49 (0)641 94364-0
Fax: +49 (0)641 94364-99
Email: info@transmit.de
www.transmit.de