



**SAXONY-ANHALT**  
Investment and Marketing  
Corporation

**SAXONY-ANHALT /// GERMANY**

# **LIFE SCIENCE: BUSINESS MEETS RESEARCH.**



[www.invest-in-saxony-anhalt.com/lifescience](http://www.invest-in-saxony-anhalt.com/lifescience)

# LIFE SCIENCE: BUSINESS MEETS RESEARCH.

THERAPEUTIC  
PROTEINS

NEURO-  
SCIENCE

HOMEO-  
PATHY

LIFE SCIENCE  
NETWORK IN  
SAXONY-ANHALT



IMG

COMPANIES

MEDICAL  
ENGINEERING

BRANCH  
ASSOCIATIONS

INDUSTRIAL  
PARKS

## FINANCIAL SUPPORT

### SUBSIDIES

#### Investment

/// Up to 35% of eligible costs,  
depending on company size

#### Research and development

/// Development of new products  
and processes

/// Support for individual or  
shared projects

#### Personnel

/// Personnel training

/// Free, practice-based targeted training,  
also in the future workplace

### LOANS

/// For pre-financing of orders

/// For the cost of product development  
and R&D projects

### GUARANTEES

/// Public guarantees for  
investment loans

### EQUITY CAPITAL

/// Capital reinforcement from open  
and silent participations

## LIFE SCIENCE IN SAXONY-ANHALT

### CONVINCING

- /// Therapeutic proteins
- /// Neurosciences
- /// Medical engineering
- /// Homeopathy

### CONNECTING

- /// Companies
- /// Research
- /// Economic development

### CONVENIENT

- /// At the heart of Europe
- /// Offering wide-ranging  
locational options
- /// Supporting companies

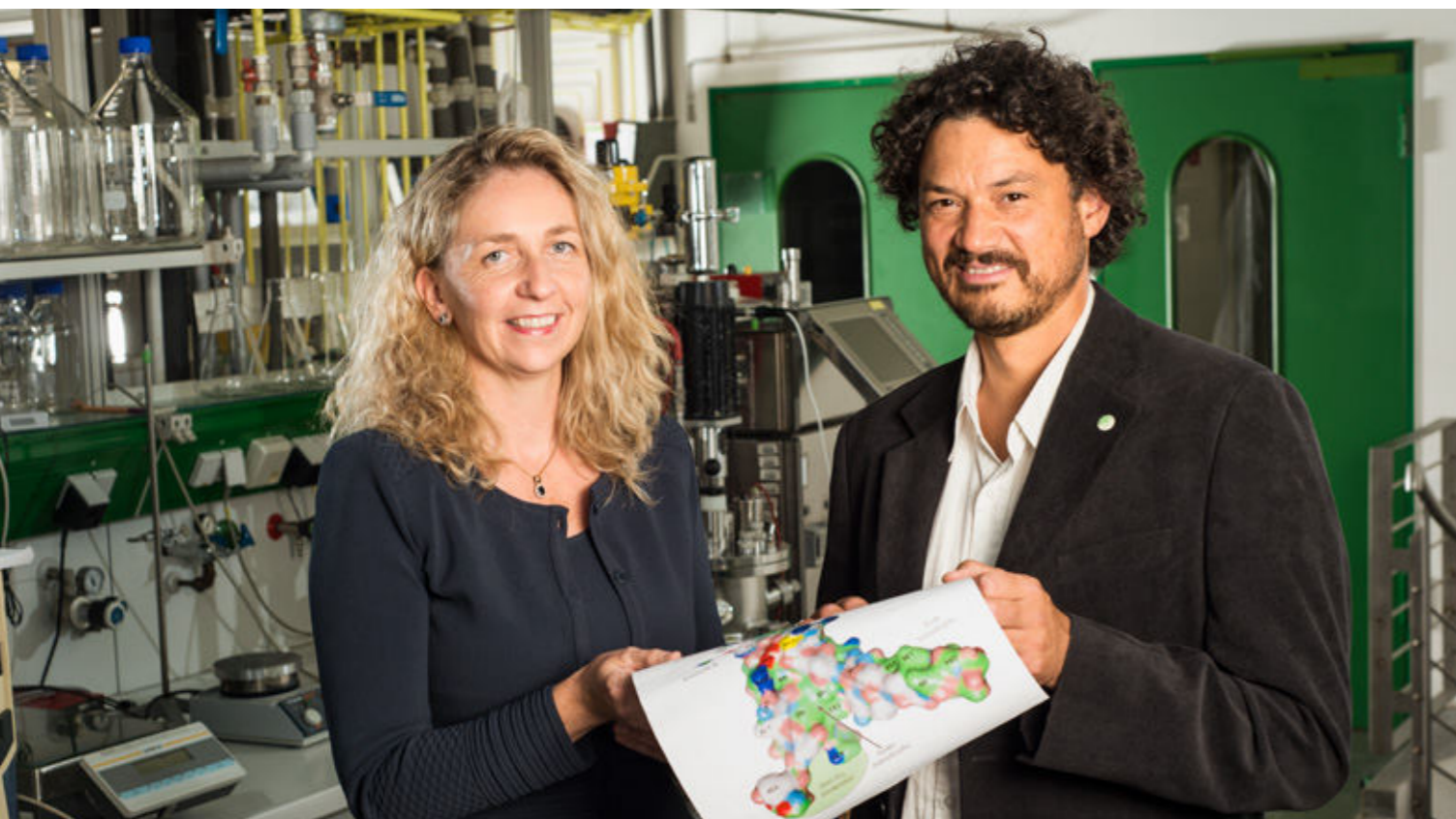
## KNOWLEDGE CREATES VALUE.

### SAXONY-ANHALT WORKS. IT'S WHERE THE RIGHT PARTNERS MEET.

Knowledge creates progress. Progress in medicine consists of precision, of developing gentler and more effective methods. Operations are becoming minimally invasive, medicines homeopathic. A brief impulse in the brain or synthetic protein in medicines can have an astonishing effect. However, the decisive criterion is for scientists and companies to be able to work in close cooperation because new findings need to be applied in practice in a fast and uncomplicated way. For this interaction, Saxony-Anhalt is the right place. This small federal state in

eastern Germany is home to entrepreneurial drive and the pioneering spirit. It's also home to people with vision who are not afraid of big ideas. Networks here have the performance standards and efficiency which are required.

The necessary stimulus is provided by Investment and Marketing Corporation (IMG). It brings together the right partners, helps in the search for the perfect location and acts as an intermediary with government bodies thus enabling knowledge to create value.



/// Dr. Ulrike Fiedler, co-founder of Scil Proteins GmbH, discusses their recent shared research findings on analysing protein structures with Prof. Milton T. Stubbs, Professor of Physical Biotechnology at Martin Luther University Halle.

## COOPERATION AS THE PATENT FOR SUCCESS.

**ON THE WEINBERG CAMPUS IN HALLE SCIENCE AND BUSINESS HAVE ENTERED INTO A HIGHLY PROMISING SYMBIOSIS.**

“We’ve already come a long way together”, says Dr. Ulrike Fiedler, co-founder of Scil Proteins GmbH, about the Institute for Biochemistry and Biotechnology at Martin Luther University Halle-Wittenberg, where Dr. Milton T. Stubbs is Professor of Physical Biotechnology and is also in charge of the interdisciplinary scientific facility HALOmem. With his group he supports the ongoing development of the “Affilin” platform technology, on which Scil Proteins holds the patents. They also work together within the Halle protein expertise network (ProNet-T<sup>3</sup>).

The close cooperation between the two shows how well business and research are integrated in Halle (Saale). Like

probiobdrug AG, Icon Genetics AG and many other companies, Scil Proteins is based on the prestigious weinberg campus, where the university also concentrates its science faculties. This enables new findings and new methods to be transformed directly into practical applications. Research equipment and facilities are used jointly. Highly qualified biochemistry students work as scientific assistants for the companies based on the campus, serving internships and completing their thesis there. Companies in Saxony-Anhalt are quick to take advantage of this potential expertise for recruiting new staff. Knowledge transfer in Halle is supported by Univations, the

institute for the transfer of knowledge and technology at the university, Technology and Founders’ Centre and Bio-Centre Halle. Weinberg campus is eastern Germany’s second-largest science and technology park. Suitable sites für business premises are explored personally together with prospective tenants.

The institute’s research focal point of molecular biosciences, “Proteins and their function in controlling cellular processes”, is internationally known and is supported by the European Regional Development Fund. In addition to the Max Planck Society’s new centre for biocatalysis, the university’s “Charles Tanford” proteins centre is also to be established by 2016. Halle is the birthplace of Charles Tanford, a pioneer in the study of the physical chemistry of proteins.



/// Prof. Emrah Düzel, Director of the Institute for Cognitive Neurology and Dementia Research (IkND) at Magdeburg University Clinic and local spokesman for the German Centre for Neurodegenerative Diseases (DZNE) site in Magdeburg, prepares to measure the brain activity of a test subject during training operations. The aim is to analyse the preventative effect of training in combating dementia for the purpose of using it for therapeutic purposes.

## A NETWORK OF TOP BRAINS.

**IN MAGDEBURG FIRST-CLASS RESEARCH INSTITUTES WORK IN CLOSE PROXIMITY.**

In old people, loss of orientation can be a sign of dementia. In contrast, Magdeburg’s first-class research institutes have a clear orientation: their common aim is to combat neurodegenerative diseases. The best brains here are closely connected with one another as if part of a gigantic neural network: the site of the University Clinic with the relevant departments is shared by the German Centre for Neurodegenerative Diseases (DZNE), the Leibniz Institute for Neurobiology (LIN), the Centre for Neuroscience Research (CBBS) and the Centre for Neuroscientific Innovation and Technology (ZENIT). In a direct and uncomplicated way it transfers to industry the ideas generated by the

medical experts and scientists by making research space available on favourable terms. Local expertise, in particular in the fields of neuropharmacology, neuromedical equipment and applied neuroinformatics, is made available for use in product development. A further interface between industry and research is provided by the Network for Neuromedical Technology (InnoMed). The work of the Magdeburg neuroscientists has recently received recognition in the form of a starting grant worth € 1.3 million from the European Research Commission (ERC).

## AT THE HEART OF EUROPE

With its 2.3 million inhabitants, Saxony-Anhalt is located at the heart of the European Union, the world’s largest integrated market with a population of more than 500 million.

## WELL-TRAINED

76 % of employees in Saxony-Anhalt have completed at least one course of occupational training.

## ATTRACTIVE LANDSCAPE

4 UNESCO-World Heritage sites confirm the historic significance of this core state in German history with its more than 60,000 cultural monuments.

## FAMILY-FRIENDLY

With legal entitlement to full-day childcare from the child’s birth to its 14<sup>th</sup> year, Saxony-Anhalt makes it possible to combine family and career.



/// Prof. Georg Rose, Director of the STIMULATE Research Campus and Head of the Medical Telematics and Medical Technology Faculty, speaking at the official opening of the STIMULATE Research Campus.



/// Engineers Axel Boese (l.) and Mandy Kaiser (r.) test new medical instruments at the STIMULATE MRT laboratory.

## INGENIOUS AND PRESTIGIOUS.

### UNITED AT ONE UNIVERSITY, ENGINEERS AND MEDICAL EXPERTS MAKE MAGDEBURG A BEACON OF MEDICAL ENGINEERING

Magdeburg, the city of engineers. Today, medical engineering is a research focal point. Its enormous potential was recognised by Professor Georg Rose from Magdeburg's Otto von Guericke University, who brought together clever engineers and leading medical experts. Seven years later they have become a well-coordinated team, working together as equals. The state's 75 medical technology companies such as Primed GmbH are reliable partners with pioneering spirit and outstanding technical facilities. Intelligent catheters and imaging for operations are making headlines. A flagship project in this field is STIMULATE, the Solution

Centre for Image Guided Local Therapies. Its aim is to improve diagnostic work and treatment by means of new technologies while at the same time reducing healthcare costs. Weakened patients, in particular, will benefit from the centre's findings.

The STIMULATE Research Campus will be subsidised for a period of 15 years by the federal government to an amount of up to 30 million euros. Magdeburg won the tender process ahead of 90 other applicants. In the competition for the powerful cooperation partner, Siemens Healthcare AG, the city beat competitors such as Tübingen and

Munich. The third major partner in the consortium, STIMULATE-Society, is formed by research institutes and companies, among others the Fraunhofer Institute, the German Academy for Microtherapy, METOP and metraTec GmbH. Thanks to STIMULATE-Society, mid-sized companies can become involved in a fast and uncomplicated way while highly qualified personnel can be recruited from the "Medical Systems Engineering" course of studies. Support for new companies is provided by the Innovation and Founders' Center in Magdeburg / Barleben. A further bridge between scientific research and commercial marketing is represented by KOMET, a centre of excellence for medical technology.



/// Since it was founded in the year 2009, the European Library of Homeopathy has become a magnet for homeopathic literature and already has a unique stock of historic writings, which are ideal for studying the subject.



/// Dr. Samuel Hahnemann, the founder of homeopathy, lived and practised in Köthen (Anhalt).

## HOME OF HOMEOPATHY.

### IN KÖTHEN (ANHALT) HAHNEMANN LAID THE FOUNDATION STONE FOR A WHOLE NEW METHOD OF THERAPY. A BASIS FOR THE FUTURE.

Back to the roots. At the latest in 2013, when the International Homeopathic Medical League (LMHI) ceremonially moved its HQ from Geneva to Köthen (Anhalt) with its 30,000 inhabitants, the world has been aware that effectiveness is not a question of quantity.

Germany's Central Federation of Homeopathic Doctors (DZVhÄ), which was founded in Köthen in 1829, also speaks highly of the town's enabling culture. It regards Anhalt as a region open to new directions where people are enterprising

and committed, looking for new solutions, experimenting and trying out innovative approaches. Success has a long tradition here. The princes of Anhalt began by encouraging and supporting new ideas. Among others this attracted the much-travelled Dr. Samuel Hahnemann, the internationally respected founder of alternative medical theory, from Leipzig to Köthen because he was free to research and practise here. This is where he wrote his most important works.

Today the European Library for Homeopathy, the Homeopathy Trust and the new Scientific Society for Homeopathy (Wiss Hom) are located close to Hahnemann's former residence. A course of doctoral studies is currently being planned.

Close contacts generate new dynamism. The Köthen scientists are looking for further visionary partners from industry who are interested in promoting the holistic principle.

## SKILLED PERSONNEL

In Saxony-Anhalt more than 55,000 students are currently studying at the state's ten universities. Interdisciplinary courses in subjects such as biotechnology and medical engineering confirm the successful cooperation between faculties.

## SATISFIED COMPANIES

The majority of life science companies are investing in the expansion of their base in Saxony-Anhalt.

## LIFE SCIENCE AGENCY

The BMD industry network provides life science companies in Saxony-Anhalt with a range of services, with the particular aim of strengthening biotechnology in the state.

## MEDICAL ENGINEERING NETWORK

Within the InnoMed Association, companies and research institutes cooperate in medical engineering projects.

# SAXONY-ANHALT: THE IDEAL LOCATION FOR YOUR BUSINESS.



## Offices, laboratories, technical facilities and clean rooms – premises for rent

- 1 ZENIT** – center for neuroscientific innovation and technology, Magdeburg
- 2 IGZ** – innovation and founders' center, Magdeburg and Barleben
- 3 INNO-LIFE** – innovation and start-up center for medical engineering, Schönebeck
- 4 BIO-CENTRE** – incubator for biotechnology at the weinberg campus, Halle (Saale)
- 5 TGZ** – technology and business incubation center, Bitterfeld-Wolfen

## Life science parks – sites for sale

- 1 BIOPHARMA PARK**, Dessau-Roßlau
- 2 INDUSTRIAL PARK BAYER**, Bitterfeld-Wolfen
- 3 CHEMICAL PARK**, Bitterfeld-Wolfen
- 4 TECHNOLOGY PARK WEINBERG CAMPUS**, Halle (Saale)
- 5 CHEMICAL SITE INFRALEUNA**, Leuna

- Business parks (selection) – sites for sale**

## IMG – YOUR PARTNER FOR

- /// site selection
- /// subsidy and financing issues
- /// permitting assistance
- /// full line project management

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