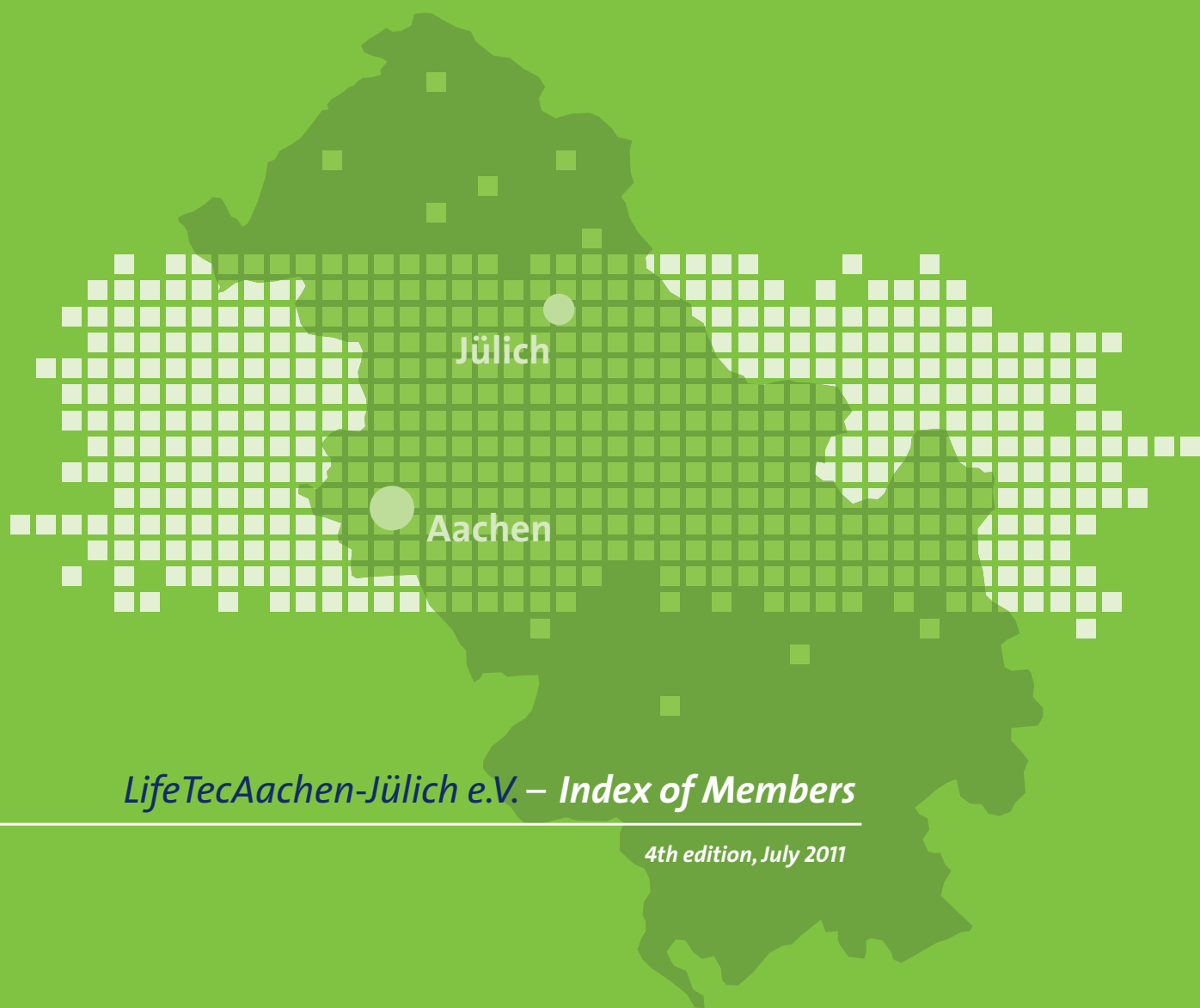


Aachen-Jülich

Life Sciences Excellence



LifeTecAachen-Jülich e.V. – Index of Members

4th edition, July 2011

LifeTecAachen-Jülich e.V. – Index of Members

4th edition | July 2011



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Introduction

Dear reader,

Life Science is one of the fastest growing future markets and will be one key factor shaping the economic development not only in Germany. LifeTecAachen-Jülich e.V. can look back on more than ten years of great success, steady growth and involvement in regional, national and international projects in the field of life science.

The RWTH Aachen University, outstanding research institutes (three Fraunhofer Institutes, Hemholtz Institute for Biomedical Technology), the Aachen University of Applied Sciences, the University Hospital Aachen, and the Forschungszentrum Jülich imply a pool of innovation, cooperation, and commercialisation in this field.

Nearly two third of the currently more than 60 members of LifeTecAachen-Jülich e.V. are companies, most of them related to medical technology and biotechnology. This underlines the position of LifeTecAachen-Jülich e.V. as the leading representative of the life science industry in the “Technologie Region Aachen”.

Strengthening the collaboration between research institutes and companies is one major task of LifeTecAachen-Jülich e.V.. Support and consulting of our members on cooperation establishment or applications are part of the daily business of the association.

Since its foundation in 2000 the revenues of LifeTecAachen-Jülich e.V. have increased more than four-fold and show a strongly increasing trend in the last five years. This is mainly attributable to an increased participation in projects on a regional but also international level. Here I would like to highlight the engagement of LifeTecAachen-Jülich e.V. in the Ziel2 project “in.nrw”, which focuses on patient customized solutions on cardiovascular therapies. In this interdisciplinary project ten members of LifeTecAachen-Jülich e.V. are involved in the development of highly innovative solutions for cardiovascular diseases.

The organisation of exhibitions, seminars and workshops is still an essential task of LifeTecAachen-Jülich e.V. and offers our members the opportunity to strengthen the network, to establish new contacts

and to improve the visibility in the international environment. The Biomedica, an annual international conference and exhibition on medical technology and related biotechnology, co-organized by LifeTecAachen-Jülich e.V., has become a relevant platform for the exchange of knowledge and expertise on the field of medical technology with steadily increasing numbers of participants. With special attention to cooperation between academic research and enterprises Biomedica is recognised as an effective gateway for innovators.

To further represent the interests of our members, the managing committee and the executives of LifeTecAachen-Jülich e.V. are in close contact to the MIWF and regularly attend different coordinating and future-oriented meetings. Furthermore, the visibility of our members is enhanced by a common external presentation via the LifeTecAachen-Jülich e.V. homepage, brochures and information leaflets.

As an association LifeTecAachen-Jülich e.V. strongly relies on the active participation of its members. The

needs and suggestions for improvements expressed through the advisory board or directly by its members to the Board are a key factor for further developing LifeTecAachen-Jülich e.V. The commitment and dedication of our members make LifeTecAachen-Jülich e.V. a vivid and lively organisation.

I am sure that we are looking forward to an exciting and successful future of LifeTecAachen-Jülich e.V.

Yours faithfully,

A handwritten signature in black ink that reads "Ralf Raue". The signature is written in a cursive, slightly slanted style.

Dr. Ralf Raue

Chairman, LifeTecAachen-Jülich e.V.

Life Sciences Excellence





Recovering hearts. Saving lives.™

Name of company	Abiomed Europe GmbH
Address	Neuenhofer Weg 3 52074 Aachen Germany
Contact Person	Gabriele Servé
Phone / Fax	+ 49- (0) 241-8860-100 + 49- (0) 241-8860-222
e-mail	gserve@abiomed.com
Website	www.abiomed.com
Year founded	2002
Business Mission	At Abiomed, we are dedicated to advancing circulatory support technology for recovery of the native heart. We believe heart failure patients should live the life they were meant to live.
Life Sciences Classification	Cardiovascular Therapies, Medical Devices, Minimal invasive Therapies
Products in Development	several
Products on the Market	<p>Impella® LP2.5 Impella® LP5.0 Impella® LD Impella® RD Impella® Mobile Console iPulse Console AB5000 Console AB5000 Ventricle BVS 5000 Blood Pump iPulse IAB</p>
Technologies used	Micro Blood Pump, Integrated Sensor Technology in medical Systems, Heart Valve Technology, Intra Aortic Counter Pulsation
Services offered	Custom-designed clinical Support, Technical Service
Company Profile	<p>Abiomed develops, manufactures and markets circulatory support systems for numerous indications in the fields of cardiology and cardiac surgery. Abiomed Europe manufactures the world's smallest minimally invasive, high performance pump system with integrated motor and sensors (Impella). In addition, Abiomed Europe is responsible for marketing and sales activities of the entire Abiomed product line (Abiomed and Impella) in Europe, the Middle East and Africa. Our products provide a temporary solution while the patient is waiting for further treatment (cardiological or cardiosurgical intervention) and/or help the heart in recovering its own capabilities (bridge to recovery).</p>

AGIT

Gründen. Ansiedeln. Fördern.

Name of company	AGIT - Aachener Gesellschaft für Innovation und Technologietransfer mbH
Address	Dennewartstr. 25 52068 Aachen Germany
Contact Person	Dr. Ute Schelhaas
Phone / Fax	+ 49- (0) 241-963-1065 + 49- (0) 241-963-1033
e-mail	u.schelhaas@agit.de
Website	www.agit.de www.technologieregion-aachen.de
Year founded	1983
Business Mission	Regional development agency for the technology region Aachen.
Company Profile	<p>AGIT is the regional development agency in the Aachen region. Since 1983 it has developed from being the operator of the first technology center in Western Germany offering Business support for technology-oriented start-ups into an enterprise which today helps regional, innovative firms to grow, advises and assists enterprises looking for location, helps develop and accompanies development procedures, realises labour policy projects and markets the location.</p> <p>An important element in AGIT's support for the regional cluster development is its assistance for the regional clusters and their member companies and institutions in the development and implementation of technology and innovation-orientated business-promotion projects within the scope of the NRW-EU Objective 2 (Ziel 2-Programm) and the INTERREG program.</p> <p>AGIT is coordinator or partner in several regional Life Sciences initiatives: In order to strengthen regional enterprises the "Top-Technology-Cluster"-initiative (TTC) focuses on SMEs, to help businesses find the right partners and to set-up sustainable co-operation across the borders in the Euregio Meuse-Rhine area.</p> <p>In the field of patient customized medical engineering, the Aachen Cluster "innovating medical technology in.nrw" coordinates six R&D projects for the development of innovative systems and solutions for cardiovascular therapy. www.medtec-innrw.de</p> <p>SKILLS_ is an innovative labour market initiative for the Life Sciences sector. Within the project, Vvidlinks.eu, as a cross-border Life Sciences career portal of the Euregio Meuse-Rhine has been created as a unique platform to create transparency and accessibility for companies, Life Sciences professionals and students within the Euregio Meuse-Rhine area. www.vividlinks.eu</p> <p>Besides Life Sciences Health Care Economy is a major topic in the Aachen region and is therefore supported by the North Rhine-Westphalian ministries. Five key fields are addressed: Medical Engineering and Patient Care & Nursing amongst others. www.gesundheitsregionaachen.eu</p>


Aix Scientifics

Name of company	Aix Scientifics® - Contract Research Organisation
Address	Pauwelsstraße 19 52074 Aachen Germany
Contact Person	Dr. Eike G. Fischer
Phone / Fax	+ 49- (0) 241-963-2550
e-mail	eike@aix-scientifics.com
Website	http://aix-scientifics.com
Year founded	1996
Business Mission	Scientific and Ethical Realisation of Clinical Research
Life Sciences Classification	Aix Scientifics consults and supports all steps of pre-clinical and clinical research – laboratory research, pre-clinical trial, clinical studies, post-marketing surveillances
Technologies used	Internet technology (eCRF).sas® (statistic program)
Services offered	Planning of Laboratory Research, Planning and Evaluation of Pre-clinical Animal Trials, Planning, Conducting and Evaluation of Clinical Studies, Expert Reports
Life Sciences Experience	Own Experiences in Product Design, Pharmaceutical Research, Clinical and Laboratory Medicine and in Internet Technology
Life Sciences Clients	Manufacturers of pharmaceuticals and of medical devices all around the world
Company Profile	Aix Scientifics® is an independent Contract Research Organisation (CRO) with long-term experience in clinical research for new pharmaceutical products and medical devices. Clinical trials are planned, conducted and evaluated in accordance with the legal framework, national and international guidelines, and internal SOPs.



Name of company

Analytical Services

Address

Pauwelsstr. 19 | 52074 Aachen | Germany

Contact Person

Dr. Ralph Nussbaum

Phone / Fax

+ 49- (0) 241-963-2150 | + 49- (0) 241-963-2154

e-mail

info@analytical-services.com

Website

www.analytical-services.com

Year founded

2003

Business Mission

We provide GMP-release analytics, special analytics and CMC-documentation support for the Pharmaceutical Industry.

Life Sciences Classification

Consulting, Specialty Chemicals, Testing/Analytical Services

Services offered

Technical Writing (SOPs, INDs, IMPDs), Release of Drug Products and Drug Substances, ICH Stability Studies, Syntheses and Storage of Reference Standards, Method Development & Validation

Life Sciences Clients

Pharmaceutical Industry

Company Profile

Analytical Services was founded in 2003 as a service-based partner for the Pharmaceutical Industry. Analytical Services manages an established and qualified network of GXP-certified contract laboratories and university laboratories. Until now, more than 30 partner companies and universities in Europe join the network of Analytical Services. This allows our customers to get instantly access to special analytical techniques and the expertise of well-known scientists, managed by Analytical Service's seamless project management.



Bayer Innovation

Name of company

Bayer Innovation GmbH

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e-mail

burkhard.fugmann@bayer.com

Website

www.bayer-innovation.de

Company Profile

Bayer Innovation GmbH, headquartered in Düsseldorf, Germany, is a fully owned subsidiary of Bayer AG.

Bayer Innovation GmbH evaluates and develops new fields of businesses for the Bayer Group which are in line with Bayer's core competencies of health care, nutrition and high-tech materials to complement its current key areas of innovation and business.



Labor für medizinische Materialprüfung GmbH

Name of company

BMP Labor für medizinische Materialprüfung GmbH

Address

Pauwelsstr. 19 | 52074 Aachen | Germany

Contact Person

Dr.-Ing. Ute Müller (CEO)

Phone / Fax

+ 49- (0) 241-963-2390 | + 49- (0) 241-963-2391

e-mail

info@bmp-aachen.de

Website

www.bmp-aachen.de

Year founded

1999

Business Mission

Protecting patients and manufactures is our expertise.

Life Sciences Classification

Testing/Analytical Services, CE-Certification, Consulting, Risk Management, Biomaterials, Implants, Medical Devices, In-house-training

Products on the Market

Test methods for biocompatibility of biomaterials and medical devices

Technologies used

Accreditation according DIN EN ISO/IEC 17025 and DIN EN ISO 10993 (biocompatibility testing)

Company Profile

The BMP GmbH is one of the few accredited testing laboratories for the evaluation of the biological compatibility of medical devices and biomaterials in Germany and Europe for the achievement of the CE mark according to European guidelines 93/42 and 90/385.

Since 2004 BMP is the first accredited laboratory for pathohistological and immunohistological examinations of explants and implants failure according ISO 10993-6 in Germany.

The tests of biological compatibility comprise tests of cytotoxicity, haemocompatibility, irritation, sensitisation, cancerogenity, genotoxicity, acute systemic and chronic toxicity as well as implantation tests.

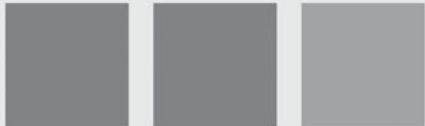
The manufacturers get more service offered by BMP: checking the used materials by screening at an early stage during development can avoid expensive false developments. Additionally, BMP performs batch tests for medical devices of notable manufacturers: even small changes in the manufacturing and cleaning process can cause toxic effects.

The development of the test strategy for each specific case as well as in-house-training, judgement of test results and risk analysis are also in the range of services of BMP.

Since 2004 BMP is the first accredited laboratory for pathohistological and immunohistological examinations of explants and implants failure according DIN EN ISO 10993-6 in Germany.



Name of company	BYTEC Medizintechnik GmbH
Address	Hermann-Hollerith-Str. 11 52249 Eschweiler Germany
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Phone / Fax	+49 (0) 2403-7829-900 +49 (0) 2403-7829-999
e-mail	info@bytecmed.com
Website	www.bytecmed.com
Year founded	1991
Business Mission	<p>Medical Devices for Humans</p> <p>Our long-standing experience distinguishes us as a competent team of experts that always puts a special emphasis on practical solutions.</p>
Life Sciences Classification	Ophthalmological Surgery, Cardiac Surgery, Cancer and other Therapy Systems, Pump Technology, Diagnostics
Products in Development	several
Products on the Market	MR-Contrast Injector - Em power MR (BRACCO/ACIST); Electro-Hyperthermia- TCS (Celsius 42+ GmbH), THOPAZ - Thorax-drainage Pump (Medela AG), CapRescue (BYTEC Medizintechnik GmbH), PICSO impulse (Miracor Medical Systems GmbH), PentaSys2 - Ophthalmological Eye Surgery(Fritz Ruck GmbH) and more...
Services offered	Development, Certification, Production and Service of medical devices are successive steps. We offer all these components from a single source as OEM.
Company Profile	BYTEC develops and manufactures medical devices – entire systems serving the demanding areas of surgery, therapy and diagnostics. Founded on the security of proven technologies and the newest findings, we are able to apply the requirements of medical practice and the expectations of the market.



CARPUS+PARTNER

Name of company

Carpus+Partner AG

Address

Forkenbeckstraße 61 | 52074 Aachen | Germany

Contact Person

Wolfgang Fränzel

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+ 49 (0) 241-8875-257 | + 49 (0) 241-8875-190

e-mail

wolfgang.fraenzel@carpus.de

Website

www.carpus.de

Year founded

1982

Business Mission

We consider it a challenge to identify the demands of a changing environment at an early stage and develop forward-thinking solutions. We have the courage to take on the responsibility for the success of our solutions – as a consultant, primary contractor and beyond.

Life Sciences Classification

Consulting, Equipment, Industrial Biotechnology, Medical Devices, Plant Biotechnology, Production/Fermentation, Tissue Engineering, Vaccines. GMP BSL

Services offered

Designing and realising individually tailored productional and laboratory buildings, Hygiene Planning, Pharmaceutical Engineering, Qualification and Validation, Feasibility Studies.

Life Sciences Experience

Planning and construction of a production buildings and technology centres with cleanrooms, laboratories, research and production, and offices.

Life Sciences Clients

Abbott Laboratories, ALTANA, Bayer Schering Pharma, Biocampus Cologne, BCC Cuxhaven, Boehringer Ingelheim, Brahms Biotech, Lohman&Rauscher, Madaus, Merck KGaA, Merckle/ratiopharm, Rentschler Biotech, SCHWARZ Pharma, Solvay, STADA

Company Profile

Carpus+Partner is the industry's partner for development, manufacturing plants and life science corporations for their advisory, planning and executive needs. We offer the whole range of services from consultancy to conceptualization and detailed planning, all the way to the implementation of pharmaceutical production factories, R&D and QC laboratories, logistics and offices. With a customer-oriented focus on individual and economic solutions, our specialized interdisciplinary project teams accompany our clients from the early stages of production strategy advice to the specification of detailed individual solutions up to the supervision of the execution of the work. We give advice when creating industry and product-specific hygiene concepts and make sure that the requirements of the relevant regulations and guidelines are put into practice. Furthermore, we offer to attend to all steps in the qualification process of all GMP relevant equipment, rooms and media. Finally, we support and manage the validation process.



Caspar & Co.

Name of company	Caspar & Co. LABORA GmbH
Address	Rottstr. 19 52068 Aachen Germany
Contact Person	Peter Caspar-Bours
Phone / Fax	+ 49- (0) 241-94649-30 + 49- (0) 241-94649-13
e-mail	info@caspar-labora.de
Website	www.caspar-labora.de
Year founded	1965
Life Sciences Classification	Laboratory Equipment, Laboratory Furnitures, Fume Hoods and Workstations, Laboratory Refrigerators and Freezers, Ultra-low Freezers, Refrigeration Accessories, Medical Devices, HAWS-Emergency Equipment
Services offered	Custom-Design Technology
Company Profile	<p>The company Caspar & Co. LABORA was established in the year 1965. Caspar & Co. LABORA makes use of exceptional production procedures, i.e. complete mechanical production facilities.</p> <p>Caspar & Co. LABORA produces and assembles laboratory installation systems with a high quality prefabrication degree to meet customer standards for industries / research and universities paying regard to maintain product specific norms and standards.</p> <p>Caspar & Co. LABORA is a competent partner for all laboratory installation systems.</p>



making biopharmaceuticals tangible

Name of company

Celonic GmbH

Address

Karl-Heinz-Beckurts-Str. 13 | 52428 Jülich | Germany

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Dr. Roland Meisel

Phone / Fax

+ 49- (0) 2461-690576 | + 49- (0) 176-10068082 | + 49- (0) 2461-690579

e-mail

roland.meisel@celonic.de

Website

www.celonic.de

Year founded

1998

Business Mission

Contract Development and GMP-Production of Biopharmaceuticals including GLP/ GCP Analytical Testing

Life Sciences Classification

Production/Fermentation/Cultivation, Cell Lines, Research, Testing/Analytical Services, ELISA, Potency, Therapeutics, Biologicals, monoclonal Antibodies

Products on the Market

R&D, GMP, GLP/GCP Service

Technologies used

Proprietary Mammalian Cell Culture and Cell Line Development Technologies

Services offered

- GMP Production of Biopharmaceutical Proteins and monoclonal Antibodies
- GLP/GCP Analytics
- Process Development (USP/DSP)
- Cell Line Development
- Quality Control / Assay Development including Cell Based Assays

Life Sciences Experience

Bioreactor Technology, Cell Line Development Technology, Chemically defined Cell Culture Media, Cell Based Assays, ECL-ELISA

Life Sciences Clients

Small and large pharma companies

Company Profile

Celonic GmbH is a contract services and manufacturing company offering comprehensive support in the development and GMP-compliant production of biopharmaceuticals. These services cover the establishment of regulatory conform, high-yield production cell-lines (e.g. CHO), the development and optimization of analytical, down-stream and upstream-processes as well as the GMP-production of APIs up to market demands. The GMP-production is done in our Basel facility certified by SwissMedic.

Celonic's proprietary technology reduces the protein development period in average by 3 months.

In our Jülich facility, certified for GLP compliance, we offer analytical method development and testing service needed during pre-clinical and clinical development of biopharmaceuticals. That comprises bioassays, quantification of APIs and neutralizing or agonistic antibodies in serum of different species including human. Our analytical data and reports are accepted by regulatory authorities worldwide.



Name of company	CEVEC Pharmaceuticals GmbH
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Phone / Fax	+ 49- (0) 221-46020-800 + 49- (0) 221-46020-801
e-mail	info@cevec-pharmaceuticals.com
Website	www.cevec-pharmaceuticals.com
Year founded	2001
Business Mission	Human cell-based expression technology. The future for production of biopharmaceuticals.
Life Sciences Classification	Production / Fermentation
Products in Development	CAP-Cells (Human Amniocytes)
Products on the Market	CAP-Cells (Human Amniocytes)
Technologies used	Adenovirus transformed human Cell Line
Services offered	Licensing / Cell Line Development
Company Profile	<p>CEVECs business is the development of an innovative platform technology for the production of biopharmaceuticals in human cell lines.</p> <p>With its proprietary process technology CEVEC has world wide USP for the production of amnion cell lines (CAP-Cells). CAP-cells provide new opportunities for the production of antibodies, enzymes and growth factors and combine high product quality with easy handling.</p> <p>The cells were optimized for industrial use and might contribute in reducing undesired properties of biopharmaceuticals, like antigenicity, low stability or low activity. Based on the CAP- technology CEVEC develops production cell lines in cooperation with clients and its own therapeutic approaches.</p> <p>The company has started to commercialize the technology and has developed a flexible license model which serves the client's individual project.</p>

Name of company	chemagen Biopolymer-Technologie AG
Address	Arnold-Sommerfeld-Ring 2 52499 Baesweiler Germany
Contact Person	Dr. Stephan Jacobs
Phone / Fax	+ 49- (0) 2401-805-500 + 49- (0) 2401-805-519
e-mail	info@chemagen.com
Website	www.chemagen.com
Year founded	1997
Business Mission	Providing the Life Science industry with worldwide leading systems for bio-separation as well as manual and automated sample preparation e.g. prior to nucleic acid testing (NAT).
Life Sciences Classification	Bioseparation, Genetics, Genomics, Proteomics, Sample Preparation for Nucleic Acid Testing, Laboratory Automation
Products in Development	Low/medium throughput automation for the isolation of nucleic acids, proteins and other bio-molecules.
Products on the Market	More than 100 products for manual and automated nucleic acid isolation from all common sample materials and applicable for every sample volume. Hugh variety of functionalized and activated M-PVA Magnetic Beads. Automated systems for low to high throughput applications from every sample volume.
Technologies used	Proprietary M-PVA Magnetic Bead technology, chemagic Kits and patented automated solutions e.g. the chemagic Magnetic Separation Module I
Services offered	Developing and customizing user-specific applications for manual and automated nucleic acid isolation. Functionalization of magnetic particles (e.g. oligonucleotide-, protein/ antibody coupling)
Life Sciences Clients	Clients in different medical routine laboratories and Public Health Institutes.
Company Profile	<p>chemagen's chemagic Kits for nucleic acid isolation facilitate the time consuming and cost-intensive sample preparation step prior to downstream applications significantly. Based on the company's patented Magnetic Bead technology and together with its proprietary automation they represent worldwide leading systems suitable for an unlimited variety of different sample materials and applicable for every sample volume. Diagnostic applications like virus identification or SNP genotyping now have become faster and more reliable.</p> <p>chemagen Biopolymer-Technologie AG is located at the International Technology & Service (ITS) center in Baesweiler, ca. 25 min. northeast of Aachen. The company's scientific foundations were laid at the RWTH Aachen, where the concept of the separation of target molecules from complex mixtures with novel magnetic polymer carriers was developed into an applicable product, today well-known as M-PVA Magnetic Beads.</p>

Name of company	DASGIP AG
Address	Rudolf-Schulten-Str. 5 52428 Jülich Germany
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Phone / Fax	+ 49- (0) 2461-980-0 + 49- (0) 2461-980-100
e-mail	c.huether@dasgip.de
Website	www.dasgip.com
Year founded	1991
Business Mission	DASGIP is an industry leading supplier of benchtop bioprocessing solutions for the Biotech, pharma and chemical industries as well as academia and research institutions.
Life Sciences Classification	Equipment, General Cell Culture and Microbiology Equipment Bioprocess Development Equipment Industrial Biotechnology Equipment Production/Fermentation
Products on the Market	Our Parallel Bioreactor Systems for the cultivation of microbial, animal and phototrophic cells utilize industry standard autoclavable glass and single-use benchtop Bioreactors. DASGIP's best in class configurable Control Systems and state of the art bioprocess analyzers deliver unparalleled functionality coupled with user friendly design for optimal bioprocessing. Our proven solutions for interconnectivity to 3rd party bioprocess analyzers and our best in class Control Systems enable migration strategies for optimization of existing benchtop equipment.
Products in Development	With the continuous further development of our Parallel Bioreactor Systems, our control software and information management tools we provide our customers with the most effective state of the art bioprocessing technology.
Services offered	Parallel Bioreactor Systems for microbiology and cell culture as well as intelligent bioprocess information management
Life Sciences Experience	For 20 years the DASGIP team use their Life Science background and hands on experiences to provide clients with the best fitting and innovative solutions as well as with excellent support when working with the DASGIP system.
Life Sciences Clients	Process engineers, scientists and product developers in biotechnological, pharmaceutical and chemical research and industry
Company Profile	DASGIP has been an industry leading supplier of benchtop bioreactor solutions for the biotech, pharma and chemical industries as well as academia and research institutions since 1991. Process engineers, scientists and product developers use DASGIP Parallel Bioreactor Systems for the cultivation of their microbial, plant, animal and human cells to benefit from increased productivity, high reproducibility, and ease of scale up. A team of more than 70 in-house experts contribute to the ongoing success of the company with a compound 5 years annual growth rate of about 25%. DASGIP is headquartered in Juelich (Germany) and has operations throughout Europe, North America and Asia.

Name of Institute	DIA-Nielsen GmbH & Co. KG
Address	Industriestraße 8 52355 Düren (Lendersdorf) Germany
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Phone / Fax	+ 49- (0) 2421-5901 41 + 49- (0) 2421-5901 23
e-mail	stefan_koelzer@dia-nielsen.de sales@dia-nielsen.de
Website	www.dia-nielsen.de
Year founded	1955
Products in Development	Membrane Filter - Plastic Composite Units Microbiological Filter Units
Products on the Market	Syringe Filter Microbiological Filter
Technologies used	Ultrasonic Welding, Injection Die Moulding, Tool Design and Construction, Cleanroom Assembling
Services offered	Construction and Development Service, Cleanroom Assembling and Packaging, Tool Design
Life Sciences Experience	Long Term Experience(about 10 years) in Producing and Development of Filtration Units Custom Built Filter
Life Sciences Clients	Schleicher & Schuell
Company Profile	<p>Maximum Competence in Planning, Development and Production</p> <p>DIA-Nielsen's main office and production facilities are located in Düren, North-Rhine Westphalia /Germany. We also have subsidiaries in France, Italy and the USA.</p> <p>DIA-Nielsen is one of the leading manufacturers of precision accessories for measuring technology. We have guaranteed the quality and innovativeness of our product solutions for nearly 50 years, since about 10 years DIA-Nielsen acts on the filtration- and laboratory sector with increasing success and Know-how. Beyond that, DIA-Nielsen also offers technical- and support services. Our corporate customers profit from our consulting skills and expert advisor team, with its knowledge of production technology, planning and development for the placement of modular project orders. Examples of these successful activities are: product manufacturing, tool manufacturing and maintenance, repairs, injection molding and packaging under clean-room conditions. The majority of our customers are based within the following industries: life science, bio technology, medical technology, filtration technology, laboratory technology, printing technology, casing construction, measuring and control technology, metal processing, merchandising, office supplies, paper, automotive, packaging technology and transportation.</p>

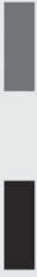


Name of company	DSM Resolve - R&D Solutions B.V.																												
Address	P.O. Box 18 6160 MD Geleen The Netherlands																												
Contact Person	Thomas Berghaus																												
Phone / Fax	+31 (0) 4647-61353																												
e-mail	thomas.berghaus@dsm.com																												
Website	www.dsm-resolve.com																												
Year founded	2004																												
Life Sciences Classification	Analytical Services, Consultancy, Instrumentation																												
Products on the Market	www.cellmade.com, www.nlysis.com, www.novionano.com www.xplore-together.com																												
Services offered	<table border="0"> <tr> <td>Analytical Services</td> <td>In Vitro and In Vivo Systems Biology</td> </tr> <tr> <td>Material Sciences</td> <td>- Proteomics</td> </tr> <tr> <td>- Solid State Characterisation: Polymorphism</td> <td>- Metabolomics</td> </tr> <tr> <td>- Extractables and Leachables</td> <td>Chirale Analysis</td> </tr> <tr> <td>- Controlled release: kinetics, diffusion, viscosity</td> <td>Instruments</td> </tr> <tr> <td>- NIR, Raman Imaging of Drug Distribution</td> <td>- Mini Pharma Extruder (Hot Melt Extrusion)</td> </tr> <tr> <td>Multi compound bio analysis to support</td> <td>- Inline GC Process Monitoring</td> </tr> <tr> <td>- ADME (Metabolite Profiling)</td> <td>- Handheld IR analytics</td> </tr> <tr> <td>- PK/PD studies in animal models and human</td> <td>Consulting</td> </tr> <tr> <td>- Diagnostics (breath analysis)</td> <td>- Quality, Environment, Safety, Health</td> </tr> <tr> <td>Process Analytical Technology</td> <td>- Quality by Design</td> </tr> <tr> <td>- Inline Analysis</td> <td>- Nanotech Safety</td> </tr> <tr> <td>- Process Validation</td> <td></td> </tr> <tr> <td>- Quality by Design; experimental Design</td> <td></td> </tr> </table>	Analytical Services	In Vitro and In Vivo Systems Biology	Material Sciences	- Proteomics	- Solid State Characterisation: Polymorphism	- Metabolomics	- Extractables and Leachables	Chirale Analysis	- Controlled release: kinetics, diffusion, viscosity	Instruments	- NIR, Raman Imaging of Drug Distribution	- Mini Pharma Extruder (Hot Melt Extrusion)	Multi compound bio analysis to support	- Inline GC Process Monitoring	- ADME (Metabolite Profiling)	- Handheld IR analytics	- PK/PD studies in animal models and human	Consulting	- Diagnostics (breath analysis)	- Quality, Environment, Safety, Health	Process Analytical Technology	- Quality by Design	- Inline Analysis	- Nanotech Safety	- Process Validation		- Quality by Design; experimental Design	
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Life Sciences Clients	Pharma, Biotechnology, Government																												
Company Profile	<p>Effective R&D support Over hundreds of companies and organizations value our knowledge acquired from diverse industries. They draw upon our specialized R&D services to improve their chemical processes, pharmaceutical products, instrument design, forensics investigations, sports performance and much much more. Our multi-disciplinary teams work closely with your experts to find the answers you need. Driven by the unique enthusiasm, commitment and dedication that sets us apart.</p> <p>Innovative results Our devotion to knowledge is reflected in the useful and innovative results that are produced by the more than 200 experts that work in our state-of-the-art analytical, engineering and testing labs. Our professional R&D services also help you comply with stringent European standards, as we are ISO 9001/2000 certified and conduct all our projects under those guidelines. For specific forensic services we are ISO 17025 certified. DSM Resolve is a Service Unit of Royal DSM.</p>																												

KOMPETENZPLATTFORM BIOENGINEERING

FH AACHEN

Name of Institute	FH Aachen, Aachen University of Applied Sciences Center of Competence in Bioengineering
Address	Heinrich-Mussmann-Str.1 52428 Jülich Germany
Contact Person	Dipl.-Ing. Nicole Lawrenz
Phone	+ 49- (0) 241-6009 53857
e-mail	biomedtech@fh-aachen.de
Website	www.biomedtech.de
Life Sciences Classification	Applied Analytics, Bioinformatics, Biomaterials, Biometrics, Bioorganic Chemistry, Cell Biophysics, Cell- & Microbiology, Clinical Research, Computer Graphics, Genetics, Immunology & Cell Biology, Medical & Molecular Biology, Medical Physics, Microbiology & Biotechnology, Space & Exploration Technology, Stability of Proteins, Thermal effects on Bio-molecules, Molecular Imaging, Sepsis Research, Molecular Phase Transitions, Cell Activation, Cellular Interaction and Surface Adhesion, Bio Compatibility and Biomaterials- Instrument Development, Magnetic Field Effects, Plant Analyzing and Culturing Technology, Education
Products in Development	High Throughput System for Cell Force Analysing, Analytical Research Devices, Clinical Studies, CARA – Endoscope for prediction of Preterm Birth, Microcapsules, Ice melting Probe exploring icy environments, polar regions, glaciers and extraterrestrial regions, Plant Scanners and Identifiers.
Technologies used	Drug Screening, Micro-/Nanotechnology, Cell Force Measurement (CellDrum), Permeability Analyser, (RT) PCR, Micropipette Aspiration Technique, Light Scattering, ELISA, Ultracentrifuge, Microbiology, General Hard- and Software Development, Flow channel technology, Lab on a chip.
Services offered	Basic and Application-Oriented Research Studies, Education (Seminars, Workshops, Training), Cell Based Drug Screening Assays, Development of Biotechnical Devices, Development of Analysing- and Controlling Hard- Software, (Bio-)Process Automating, Consulting in Instrumentation, Automating of processes, Research Planning.
Life Sciences Clients / Cooperations	National/International Collaborations with >30 Universities and Scientific Institutions, >25 Bilateral Industrial Cooperations (mainly small and mid-sized companies)
Profile	Within the framework of the Center of Competence in Bioengineering scientists of various disciplines have teamed up to establish centralized, high-profile, long-term research activity at the Universities of Applied Sciences of Aachen, Juelich Campus and Bonn-Rhein-Sieg. Up to the present day the Center of Competence grew into a cooperation of fourteen partners, thus, strengthening bioengineering in NRW and in Germany to a great. They intend to reach a centralization of knowledge, an enhancement of the competitiveness of the scientists both on national and international level and an improvement of the infrastructure by the mutual sharing of resources. The Center of Competence has become an attractive and strong scientific partner for both industry and surrounding universities. It is not only thought to increase the quality of research and development, but also to integrate the newest technological advances into university education. The educational programme of both universities consists of tailored courses, constantly adapted to include the latest cutting-edge insights in bioengineering.



INB | INSTITUTE OF NANO- AND BIOTECHNOLOGIES

<p>Name of Institute</p> <p>Address</p> <p>Contact Person</p> <p>Phone</p> <p>e-mail</p> <p>Website</p>	<p>FH Aachen Faculty Chemistry and Biotechnology Institute of Nano- and Biotechnologies (INB)</p> <p>Heinrich Mußmann Str. 1 52428 Jülich Germany</p> <p>Prof. Dr. Manfred Biselli</p> <p>+ 49- (0) 241-6009 53749</p> <p>biselli@fh-aachen.de</p> <p>http://www.fh-aachen.de/chembio.html</p>
<p>Business Mission</p> <p>Life Sciences Classification</p> <p>Services offered</p> <p>Company Profile</p>	<p>Academic Teaching, Research and Development</p> <p>Chemistry, Biotechnology</p> <p>Bachelor Degree Programmes in Applied Chemistry, Biotechnology, Process Engineering; Master Degree Programmes in Polymer Sciences, Biotechnology, Nuclear Applications</p> <p>Aachen University of Applied Sciences</p>

INB | INSTITUTE OF NANO- AND BIOTECHNOLOGIES

Name of Institute	FH Aachen Faculty of Medical Technology and Technomathematics Institute of Nano- and Biotechnologies (INB)
Address	Heinrich Mußmann Str. 1 52428 Jülich Germany
Contact Person	Prof. Dr. Michael J. Schöning
Phone	+ 49- (0) 241-6009 53215 + 49- (0) 241-6009 53235
e-mail	schoening@fh-aachen.de
Website	www.fh-aachen.de/inb.html
Year founded	2006
Business Mission	Research and Development, Academic Teaching
Life Sciences Classification	Nano- and Biotechnologies
Services offered	Research Projects with Industrial Partners, Practical Training, Consulting
Company Profile	Aachen University of Applied Sciences



Name of Institution	Forschungszentrum Jülich
Address	52425 Jülich Germany
Contact Person	Dr. Ralf Raue
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e-mail	r.raue@fz-juelich.de
Website	www.fz-juelich.de
Life Sciences Classification	Applied Microbiology, Bioinformatics, Biophysics, Brain Imaging, Clinical Diagnostics, ¹³ C Metabolic Flux Analysis, Computational and Systems Neuroscience, DNA Microarrays, Genomics, Industrial Biotechnology, Metabolomics, Microbial Biotechnology, Microbial Genetics, Microbial Production/Fermentation, Proteomics, Radiotracer Development and Production, Specialty and Fine Chemicals, Structural Analysis of Biomolecules, Systems Biology, Testing/Analytical Services,
Products in Development	Primary Metabolites, Proteins, Deep Brain Pace Maker
Technologies used	Microbial processes and process technology for production of proteins, primary metabolites and basic compounds for pharmaceutical industry; Pilot plant fermenters; State-of-the-art analytical tools for quantification of metabolites, proteins, biomolecules (GC; GC-MS, HPLC, LC-MS-MS, LA-ICP-MS, FT-ICR-MS/MS, MALDI-TOF/TOF-MS, 2D-PAGE, NMR spectroscopy; confocal laser scanning microscopy, fluorescence correlation spectroscopy); microarray scanner, X-ray crystallography; high-throughput platform; brain imaging techniques, i.e. PET, SPECT, MRI/fMRI, MEG; MR-PET Hybrid-Systems; electron microscopy
Services offered	Analytical tools for the quantification of metabolites; development of microbial and enzymatic processes for the production of primary metabolites, proteins, basic compounds for pharmaceutical industry; investigation of protein transport in porous systems; radiotracer service for PET applications runs according to the regulations of GMP (Good Manufacturing Practise)
Life Sciences Clients / Cooperations	National and international cooperations with approx. 80 universities and research institutions and, more than 30 industrial partners
Profile	It is the aim of the brain research to assemble competence in basic research, in physics/technology of neuroimaging and in clinical research to understand the structure and function of the normal and pathologically impaired human brain. The function and dysfunction of the nervous system is analysed from the level of single molecules to that of complex neural systems. The goal of these efforts is to provide rational designs for the development of innovative diagnostics, prevention and therapy of major neurodegenerative as well as neuropsychiatric diseases.

Institut für Bio- und Geowissenschaften 1

Name of Institute	Forschungszentrum Jülich, Institut für Bio- und Geowissenschaften 1
Address	52425 Jülich Germany
Contact Person	Prof. Dr. M. Bott
Phone / Fax	+ 49- (0) 2461-61-3294 + 49- (0) 2461-61-2710
e-mail	m.bott@fz-juelich.de
Website	www.fz-juelich.de/ibg/ibg-1
Life Sciences Classification	Applied Microbiology, Microbial Genetics, Microbial Biotechnology, Microbial Production/ Fermentation, Systems Biology, Genomics, Proteomics, DNA Microarrays, Research
Products in Development	Primary Metabolites (Amino Acids, Vitamins), Proteins
Technologies used	Microbial based Applications, Microbial Processes for the Production of primary Metabolites, Proteins and basic Compounds for pharmaceutical Industry, Development and Optimisation of Microbial Strains, MALDI-TOF Mass Spectrometer GC, HPLC
Services offered	Development of microbial and enzymatic Processes for the Production of primary Metabolites, Proteins, Basic Compounds for pharmaceutical Industry, Analytical Tools (e.g. GC, HPLC, Analytical Devices for Amino Acid and Sugar Analyses) for the Quantification of Metabolites
Life Sciences Clients / Cooperations	BMBF, DBU, DFG, Amino, BASF, Degussa, DSM Basel, Innosweet
Profile	<p>The major emphasis of investigations at the Institute of Biotechnology 1 (IBT-1) is placed on the microbial production of amino acids (L-lysine, L-threonine, L-serine), vitamins (ascorbate), enzymes and pharmaproteins. For this purpose, both the key enzymes of the biosynthetic pathways involved, the transport systems for the uptake of substrates into the cells as well as the excretion of the products into the nutrient medium are characterized genetically and biochemically. The availability of the complete genome sequences for some of the bacteria studied means that the regulation of all genes can be investigated on both the RNA level (by means of DNA chip technology) as well as on the protein level (by two-dimensional gel electrophoresis combined with MALDI-TOF-MS). On the basis of the results obtained with these methods, the metabolism is selectively modified (metabolic design) in order to obtain more efficient production strains.</p> <p>Moreover, whole cell biotransformations with recombinant bacteria are used as a new approach in the field of applied biocatalysis. Thus, stereo- and regioselective reduction and oxidation reactions for the production of e.g. chiral alcohols are developed.</p> <p>With respect to the biotechnological production of proteins with Gram-positive bacteria, work is furthermore being implemented on establishing secretion systems for heterologous proteins from pro- and eukaryotes, as well as studies on the characterization and optimization of the cellular protein transport apparatus.</p>

Institut für Bio- und Geowissenschaften 2

Name of Institute	Forschungszentrum Jülich, Institut für Bio- und Geowissenschaften 2
Address	52425 Jülich Germany
Contact Person	Prof. Dr. Ulrich Schurr
Phone / Fax	+ 49- (0) 2461-61-3073 + 49- (0) 2461-61-2492
e-mail	u.schurr@fz-juelich.de
Website	www.fz-juelich.de/ibg/ibg-2
Business Mission	Dynamic Plants in a Dynamic Environment
Life Sciences Classification	Bioeconomy, Plant Sciences, Plant Physiology, Plant Phenotyping, Plant Biotechnology, Plant Water Relations, Nutrients, Bioanalytics, Bioinformatics, Biosensors, Bioprocess Development, Industrial Biotechnology, Lab/field Robotics, Mass Spectrometry, Metabolomics, Modeling & Simulation, Quantitative Biology, Systems Biology, Testing/Analytical Services
Products in Development	Plant Phenotyping, Biomass Analysis, Bioreactors, Greenhouse Technology, Image Processing/Analysis, NMR, Sensor Systems (various)
Products on the Market	Glas-foil combination in greenhouse cladding material (energy saving in greenhouses), Several sensor systems
Technologies used	Automated phenotyping systems; automated FIELD SCREEN, Capillary electrophoresis, Cryo-EDXA, Cryo-Scanning Electron Microscopy, Direct plant organ pressure measurements (pressure probes), (multi) Fluorescence and hyperspectral field-methods, gas exchange technologies, automated GROWTH-SCREEN (fluoro, leaf, root), Ion chromatography, Laser-Induced Fluorescence Transient A remote sensing (LIFT), guided Microsampling, Microbeam analysis, Micro osmometry, Magnetic resonance Imaging (MRI of plants and soils), Positron Emission Tomography (PET of plants and soil), portable NMR, Quantitative Image Processing, Airborn – Spaceborn Remote Sensing, Separation and isolation of proteins and nucleic acids, Thermography, “tracer-technologies”, 3D modeling
Services offered	Integrative plant research ->(Dynamics of growth, transport and exchange processes / Non-invasive methods to quantify key processes / Stress research: molecular biology, physiology, ecology / Efficiency of resource use in plants / Biodiversity / Remote sensing), Sustainable and innovative plant production -> (Food, raw materials and bio-energy (Bioeconomy) / Resource-friendly, integrated production systems / Non-invasive methods for breeding / Production of high-quality contents / Centre of competence for horticulture / Microalgae for bioenergy and use of contents), Science policy, policy consulting, international relations -> (European Plant Science Organisation (EPSO) / European Technology Platform Plants for the Future / European Technology Platform Biofuels / International Plant Phenotyping Initiative)
Life Sciences Clients	BMBF, BMELV, DBU, DFG, EU, several global-acting Ag-Industry companies, ETH Zürich, Fraunhofer, Helmholtz Zentrum München, HHUD, Max-Planck-Institute Breeding, Phenospex, RWTH Aachen, Southwest China University Chongqing, Symrise, University of Verona, University of Wageningen, University of Bonn
Profile	<p>The Institute of Bio- and Geosciences 2 (IBG-2) aims to increase knowledge to sustainably produce plants for food, renewable materials and energy (Bioeconomy) and improving their yield and quality. To achieve this goal IBG-2 develops innovative key technologies for plant breeding and functional analysis of plants and their interaction with the heterogenous and dynamic above- and belowground environment (Jülich Plant Phenotyping Centre, JPPC), by adapting plants to changing environmental conditions (water, nutrient, light and energy use efficiency), designs integrated systems for the bioproduction (e.g. production of algae with waste gas from power plants, energyefficient production in greenhouses, molecular farming in closed systems, integration of breeding, non-invasive sensors and agronomic management) and does technology transfer from basic research to practical applications as well as communicating relevant practical topics to research. In particular, IBG-2: Plant Sciences works on sustainable plant production in the research topics:</p> <ul style="list-style-type: none"> • Dynamics and control of plant growth (leaf and root) and regulation of plant metabolism • Dynamics and control of plant-internal transport (water, carbohydrates, nutrients, signal compounds in xylem and phloem) • Dynamics of and within ecosystems and exchange of energy and substances between plants, soil and atmosphere (photosynthesis, root processes, biotic interactions, mechanisms of functional biodiversity, trace substances (e.g. VOC)) • Enabling Technologies to quantify plant structure and function in dynamically changing environments

Name of Parent Organisation

Fraunhofer Gesellschaft

Name of Institute

Fraunhofer Institute for Laser Technology, ILT

Address

Steinbachstr. 15 | 52074 Aachen | Germany

Contact Person

Dr. Arnold Gillner | Dr. Martin Wehner | Dr. Elke Bremus-Köbberling

Phone / Fax

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e-mail

arnold.gillner@ilt.fraunhofer.de | martin.wehner@ilt.fraunhofer.de
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Website

www.ilt.fraunhofer.de

Life Sciences Classification

Personalized Implants; Minimal Invasive Therapy; Laser Induced Forward Transfer of Cells, Proteins and Bioactive Substances; Biofabrication; Micro- and Nanostructured Scaffolds; Patterning; Spatially Resolved Functionalisation of Polymers; Photo-induced Drug Release and Delivery.

Technologies used

Lasers, Optical Technologies

Services offered

Contract Research and Development, Consulting, Training

Life Sciences Clients / Cooperations

RWTH Aachen, AKM Aachener Kompetenzzentrum Medizintechnik, Universitätsklinikum Aachen, bwa Kompetenzzentrum für Biowerkstoffe Aachen, BiOMAT, BioRiver, MEUSE RHINE TRIANGLE Heartbeat of Life Sciences in Europe, ALSA Applied Life Science Aachen, Forum Life Sciences, cooperation with more than 50 companies/institutes active in the biomedical area and bioengineering.

Profile

The Fraunhofer ILT is working on the development of new laser sources and components, the use of modern laser measurement technology and production innovations utilizing lasers. These applications are traditionally established in the fields of electronics, precision mechanics and optics, communication and information technology. This includes for example laser cutting, drilling, welding and soldering as well as surface treatment, micro-processing and rapid-prototyping. In the last 10 years the application spectrum has been expanded into life science. Interdisciplinary research teams are working on medical technology, biotechnology, surface functionalization and drug delivery systems. In cooperation with clinicians and manufacturers new production techniques for medical devices are investigated. Our activities comprise micro structuring of stents and implants, welding and joining of endoscopic instruments, and structuring of disposables as catheters and balloons. For laser therapies special components are developed as micro-structured optical fibers to treat cardiac arrhythmia. To facilitate laser surgery handpieces, e.g. with integrated temperature sensors for controlled tissue coagulation, are developed. Further, lasers are used for the fabrication of in vitro test systems and analytical devices. The surface of biochips can be coated with proteins and patterned with micrometer resolution. This enables new schemes for diagnostic chips to study the interaction of cells with proteins. For drug discovery research, precise cell based assays with cell relevant resolutions within micrometer range may be the next step to best mimic the cell's natural environment. These can be created by laser induced forward transfer (LIFT) and photo-polymerization to build up scaffolds for tissue engineering. These novel laser techniques require only minimum amount of feed material. By irradiation of polymers with UV laser sources an activation with high spatial resolution can be achieved. This activation can be used for functionalization with bioactive compounds. By changing the irradiance gradients of bioactive agents can be produced that affect cell guidance. These active structures may find applications for in vitro assays (chemotaxis) but also for surface treatment of implants. Additionally tailored drug delivery systems can be developed. Drugs can be immobilized on any given surface. These active agents can be released later by laser radiation, as they are equipped with a selective photochemical trigger. Thus arbitrary surfaces, from stents to microspheres, can be used for directed drug delivery for the treatment of a range of diseases like cardiovascular diseases or cancer.



Name of Parent Organisation	Fraunhofer Gesellschaft
Name of Institute	Fraunhofer Institute for Molecular Biology and Applied Ecology, IME
Address	Forckenbeckstr. 6 52074 Aachen Germany Auf dem Aberg 1 57392 Schmallenberg Germany
Contact Person	Prof. Dr. Rainer Fischer
Phone / Fax	+ 49- (0) 241- 6085-11020 + 49- (0) 241-6085-11025
e-mail	rainer.fischer@ime.fraunhofer.de
Website	www.ime.fraunhofer.de
Life Sciences Classification	Applied Microbiology and Biosafety, Bioinformatics, Biomaterials, Biosensors, Cellomics (High Throughput Live Cell Imaging), Systems Biotechnology, Protein Based Drug Discovery and Development, Ecology and Environmental Technology, Environmental Compatibility of Products and Procedures: Risk Analysis, Environmental and Consumer Protection, Environmental Observation and Analysis, Food and Feed Safety, Cell Culture, Genetics, Genomics, High Content Screening, Proteomics, Immunological Products (Antibodies), Molecular Diagnostics and Imaging, Industrial Biotechnology, Molecular Farming, Pharmacology, Plant Biotechnology, Plant Genetics and Biotechnology, Production/ Fermentation, Protein Structure Resolution QA and QC, Quality of Soil and Waters, Regenerative Medicine, Notification and Registration Studies (for Chemicals, Pesticides, Pharmaceuticals, Consumer Products), Research, Sustainable Soil Use and Waste Disposal, Strain and Process Development, Testing/Analytical Services, Therapeutics, Tissue Engineering, Vaccines, X-Ray Crystallography.
Products on the Market	Several Diagnostic and Therapeutic Antibodies, Technical Enzymes
Technologies used	Antibody Libraries, Chip Technologies, Combinatorial Libraries and Protein Evolution, Protein Crystallization, High Throughput Imaging, Proteomics, X-ray Crystallography
Services offered	Antibody Development, Protein Engineering, Recombinant Protein Production and DSP, Strain and Process Development
Life Sciences Clients / Cooperations	More than 100 partner from global industries, UBA, BMBF, EU, RWTH
Profile	<p>The Fraunhofer Institute for Molecular Biology and Applied Ecology IME conducts research in the field of applied life sciences from a molecular level to entire ecosystems. We offer research and development services for medicine, agriculture and environmental protection with main emphasis on:</p> <ul style="list-style-type: none"> • diagnosis and therapy of human, animal and plant diseases • protection and improvement of food and feed stocks • identification and assessment of risks in synthetic and biogenous substances for consumer and environment • development of strategies for minimization of risks.

Name of company

Fraunhofer Institute for Production Technology, IPT

Address

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Contact Person

Ulrike Koropp

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Website

www.fraunhofer.org/lse

Year founded

1980

Business Mission

Our institute draws together the expertise and experience from all fields of production technology: the four departments of process technology, production machines, production quality and metrology and technology management provide the range of skills and competencies needed to meet the specialized needs of industrial production companies. We understand the interplay between biological and/or medical demands and technologically portable solutions and help you synchronize the two development paths.

Life Sciences Classification

Automation of Biological Processes (e.g. Cell Culture Processes, Lab on a Chip Technologies), Development of Medical Devices and Instruments (e.g. minimally-invasive diagnostics, guide wires, implants)

Technologies used

Automation, Integration and Scaling of Complex Biological Process Chains, Development of Technical Solutions for the Handling of Biological Materials (Cells, Tissues), Development of Minimally Invasive and Non-Invasive Metrology Solutions (OCT, Spectroscopy), Fiber Optics and Probe Construction, Data and Image Processing, Manufacturing of Miniaturized Fiber-Reinforced Plastic Profiles (Medical Devices for use in MRI), Surface Functionalization (Microstructuring, Polishing, Coating), Miniaturization, Assay Design for Automation (Lab on Chip Design, Microfluidics), High Precision Technologies for Die Making (Milling, Turning), Replicative Technologies (Injection Molding, Hot Embossing, Precision Glass Molding)

Services offered

Contract Research and Development, Consulting

Company Profile

„Life Science Engineering“ is a business area covered by the Fraunhofer Institute for Production Technology IPT in Aachen and the Fraunhofer Center for Manufacturing Innovation CMI in Boston. Our service supply covers the whole value chain, including applied research and development as well as production ramp-up and commercialization. We provide a wide range of production technologies and compile solutions for complex challenges and administration processes. Moreover we offer an integrated product, process and facility development for medical technologies and the automation of biological processes. With our partners in industry and applied research, we work on a number of research and developmental projects in the life science sector. With more than 350 employees operating in Germany and in the USA, we possess the know-how, infrastructure and the proximity to our customers that is essential for the development of medical-technical products and for the automation and integration of biological processes.



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Website	www.gruenenthal.de www.gruenenthal.com
Year founded	1946

Company Profile	<p>The Grünenthal Group is an independent, family-owned international research based pharmaceutical company headquartered in Aachen, Germany. Building on its unique position in pain, its objective is to become the most patient-centric company to be a leader in therapy innovation. Altogether, the Grünenthal Group has affiliates in 35 countries worldwide. Grünenthal products are sold in more than 100 countries and approx. 4,900 employees are working for the Grünenthal Group globally. In 2010, Grünenthal reached revenues of about 910 Mio €.</p>
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Name of company	HEMOTEQ AG
Address	Adenauerstr. 15 52146 Würselen Germany
Contact Person	Dr. Michael Hoffmann Thomas Löwen (CFO) Roland Horres (SVP R&D)
Phone / Fax	+ 49- (0) 2405-4550-00 + 49- (0) 2405-4550-12
e-mail	hemoteq@hemoteq.com
Website	www.hemoteq.com
Year founded	1999

Business Mission	<p>Hemoteq is the leading designer and manufacturer of ultra-thin coatings and surface modification solutions for medical devices. A broad repertoire of unique platform technologies and a strong IP portfolio allow the company to create competitive, innovative products for a wide range of clinical and biomedical applications. Every device needs unique surface properties to reach optimal performance and safety. Therefore, any individual solution developed by Hemoteq represents a carefully customized solution. The performance of medical devices is crucial for saving, prolonging and enhancing life. Hemoteq is aware of this responsibility and focus their work on patients needs. For outstanding solutions with the highest quality and safety standards.</p>
Products on the Market	<p>A double digit number of CE marked polymer based and polymer-free Drug Eluting Stent coatings, CE marked Hemocompatible coatings, CE marked Drug Eluting Balloon Coatings, CE marked and FDA approved hydrophilic coatings and Stent coverings. Hemoteq's expertise contents drug delivery (Proteqtor®, Repul-sion®, Pacliteq™ and HemoPax™ platform technologies), hemocompatible biomimicry (Camouflage®), and lubricious and hydrophilic coatings (Lubriteq™).</p>
Services offered	<p>Custom coating design for medical devices, Custom process development, Comprehensive regulatory approval support, Custom manufacturing from pilot to large scale in certified clean-room facilities, Full product lifecycle support and innovation consulting</p>
Company Profile	<p>HEMOTEQ is the leading designer and manufacturer of customized coatings for medical devices. Their innovative surface solutions create a sustainable competitive advantage for Hemoteq's clients. Intelligent drug delivery coatings, hemocompatible surfaces and lubricious coatings lay the foundation for the combination products of the next generations, adaptive biodevices. Creating significant innovations is a matter of interdisciplinary convergence and joint creativity. This insight has driven Hemoteq since its earliest days. High Tech is the key – and Hemoteq uses it pragmatically. Hemoteq searches for the best practical solution, not the best theory. Hemoteq serves medical device manufacturers around the globe. Amongst their products developed and manufactured for numerous renowned clients are a double-digit number of CE – approved drug delivery coatings and surface modification solutions for medical devices. When developing an optimized drug delivery coating for one of the customers, the company selects the most appropriate from the bundle of coating platforms in Hemoteq's IP portfolio: Proteqtor®, Repulsion®, Pacliteq™ or HemoPax™. HemoPax™ demonstrates the company's innovative capacity in the emerging field of drug eluting balloons, the next revolution in vascular therapy. With Ouverture Hemoteq presents another high-performance drug delivery platform that provides the added value of exceptional hemocompatibility. Hemoteq's drug delivery coatings meet the highest quality and safety standards applicable to permanent vascular implants. Their excellent performance has been demonstrated in extensive pre-clinical and clinical trials. A perfect masking: Hemoteq's proprietary Camouflage® has been designed to perfectly mimic the natural interface between blood and vessel – a tiny layer of biomolecules called glycocalix. The exceptional hemocompatibility of the "camouflaged" device surface reduces thrombotic side effects and improves the haling of implants. The reduction of dynamic and static friction is the key to producing medical devices with high deliverability and durability. Hemoteq's Lubriteq platform™ delivers unmatched wet lubricity with multiple options for customization – for a wide range of substrates. Hemoteq is your first choice for surface modification.</p>



Name of company	IASON consulting
Address	Mühlenstr. 26A 52382 Niederzier Germany
Contact Person	Dr. K. Jochims
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e-mail	info@IASONconsulting.com
Website	www.IASONconsulting.com
Year founded	2004
Business Mission	Understanding your needs is just the first step. The second is make them our own.
Life Sciences Classification	Consulting, Therapeutics, Research, Drug Development, Medical Device, CE Certification
Products on the Market	Preclinical Consultancy and Coaching
Services offered	Tailor-Made Preclinical Development Plans, Dossiers, Expert Reports, Presentation, Scientific Due Diligence and more....
Life Sciences Clients	confidential
Company Profile	<p>IASON consulting is a privately owned, independent consultancy and provides high quality strategic and operational input into preclinical drug development as well as one-on-one coaching. With many years of experience, we can bring wealth of knowledge on non-human, pharmacological, toxicological, or kinetic problems in the real world.</p> <p>With extensive expertise in reviewing and critically evaluating pharmacological, toxicological, and pathological data on a wide range of small molecules and proteinacious drugs, combined with an understanding of metabolism and kinetics, we can provide an opinion on preclinical acceptability by authorities. In addition, IASON consulting offers consulting services with respect to the biological evaluation of medical devices.</p>



Name of company	Industrie- und Handelskammer Aachen
Address	Theaterstr. 6-10 52062 Aachen Germany
Contact Person	Michael F. Bayer
Phone / Fax	+ 49- (0) 241-4460-271 + 49- (0) 241-4460-316
e-mail	intus@aachen.ihk.de
Website	www.aachen.ihk.de
Year founded	1884
Business Mission	IHK Aachen represents the overall economic interests of nearly 60,000 business enterprises
Services offered	Start-up Consulting, Seed Financing, Business Development, Regional Network Opportunities
Life Sciences Experience	LifeTecAachen-Jülich e.V., BioRiver e.V.
Life Sciences Clients	Management board, Member
Company Profile	<p>The Chamber of Industry and Commerce Aachen is the service provider of all its member companies and the partner of politics and economy. Its main task is to support the business location Aachen. Besides exercising sovereign tasks such as taking exams, the appointment of official experts or issuing foreign trade documents the chamber offers its members a multitude of benefits for their companies, e.g. consulting service for setting up new businesses, innovation and technology transfer, foreign trade information, vocational training and ad-vanced vocational training, hosting of lectures and conferences, etc.</p> <p>For further information about the variety of tasks and activities offered by the IHK simply visit our homepage: www.ihk.aachen.de</p>



Name of company	Internationales Technologie- und Service-Center Baesweiler GmbH (ITS)
Address	Arnold-Sommerfeld-Ring 2 52499 Baesweiler Germany
Contact Person	Dirk Pfeifferling
Phone / Fax	+ 49- (0) 2401-805-0 + 49- (0) 2401-805-199
e-mail	info@its-center.de
Website	www.its-center.de
Year founded	1989
Business Mission	Serving the needs of BioTec-spin-offs and young BioTec-companies.
Services offered	Leasing arrangements for Offices, Laboratories and Production Hall Units, Technology Transfer, Establishing Contacts, International Contact and Cooperation Network
Life Sciences Experience	BioTec-Meeting (organized once every year)
Life Sciences Clients	BBT Biotech GmbH, BSV BioScience GmbH, CareFusion Germany 318 GmbH, chemagen AG, Cook Medical EUDC GmbH, m2p-Labs GmbH, RaphaTec GmbH, Fritz Ruck/T.MED GmbH, SDT GmbH
Company Profile	ITS Baesweiler is a technology and business park for technology-orientated companies, in particular for start-ups from the BioTec/LifeScience sector. ITS offers consulting and support to foreign companies.



Name of Company

Irmato Industrial Solutions Aachen GmbH

Address

Weißhausstraße 2 | 52066 Aachen | Germany

Contact Person

Denis Faas

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e-mail

dfaas@irmato.com

Website

www.irmato.de
www.arbeiten-bei-irmato.de

Year founded

2003

Life Sciences Classification

ISO 13485, Medical Devices, Research and Development, Prototypes, Consulting, ISO 9001

Company Profile

Irmato is a multidisciplinary engineering and consultancy company. Irmato supports its customers with high-tech research.

The unit Aachen is established from the Philips Research Laboratory. Our core competence is research & development in the field of medical engineering.

Our special strength is the development of innovative solutions for our customers and support in each development step.

Based on our wide knowledge in material sciences and process control we develop and realize instruments for diagnostic imaging in preclinical, implants for novel therapy, as well as modern surgical instruments with our customers.

We have three departments: Firstly, Mechanical Development; Secondly Electronics Development; Thirdly, Model Workshop. The direct cooperation between these departments allows for highly customer oriented and efficient approaches. With our ISO 9001 and 13485 certification, we offer design, project management and realization at first hand.

INTELLIGENT ▪ VENTURE ▪ CAPITAL

RHEINLAND ▪ VENTURE ▪ CAPITAL

Name of company	IVC - Intelligent Venture Capital Management GmbH
Address	Roermonder Str. 386 52072 Aachen Germany
Contact Person	Dr. Andreas Tietmann Wilfried Frohnhofen
Phone / Fax	+ 49- (0) 241-89499891 + 49- (0) 241-89499899
e-mail	office@ivc.de
Website	www.ivc.de
Year founded	1999
Business Mission	The IVC Funds are dedicated Funds organized to provide investors an opportunity to benefit from high value creation and superior returns from early stage investments in high technology and life science companies.
Services offered	Seed, StartUp and Growth Financing. Active equity investors and advisors for the companies management team.
Life Sciences Experience	High caliber investment manager expertise and experience in the life science industry
Life Sciences Clients	chemagen, NonWoTecc, Sividon and Multibind in equity participation
Company Profile	<p>The requirement to actively assist young entrepreneurs from the outset and from the point of view of an entrepreneur has its foundation in the profound knowledge and the diverse experiences of the shareholders and management team IVC.</p> <p>Currently two investment-pools and the Rheinland Venture Capital Fund are being advised by the IVC Management GmbH. Rheinland Venture Capital is a Seed Fund located in Cologne with an anticipated investment volume of 10 million EUR. The Fund invests in early stage technology and lifescience companies. Investors in this Fund are NRW.Bank, Sparkasse KölnBonn, Kreissparkasse Köln, Georgieff Capital as well as private investors.</p>



Name of company

Jülicher Kapitalbeteiligungsgesellschaft GmbH

Address

Karl-Heinz-Beckurts-Str. 13 | 52428 Jülich | Germany

Contact Person

Dipl.-Kfm. Carlo Aretz

Phone / Fax

+ 49- (0) 2461-690-0 | + 49- (0) 2461-690-100

Year founded

1995

Services offered

Venture Capital

Life Sciences Clients

LifeTecAachen-Jülich.e.V., BioRiver

Company Profile

A forward-looking national economy needs the process of industrial innovation for its constant revitalisation as well as bold entrepreneurs who are prepared to take the risk of setting up a business to seize the opportunities offered by a market economy.

Nevertheless, the establishment of a young technology company is a process that lasts several years and assumes a variety of material and immaterial resources. The Jülicher Kapitalbeteiligungsgesellschaft GmbH (JKBG) (a venture capital company) was founded in 1995 with just this in mind and against the background of the structural change in the economic region Düren / Jülich and in the Aachen Region. This "technology-enterprise co-ordinator" has far-reaching decision-making powers and supports appropriate research funding, technology assistance or financing of a market launch with a budget provided by the Land North Rhine-Westphalia.

This company accordingly focuses on two goals. Firstly, the development of an enterprise from emerging fields should be facilitated in the region, and secondly, JKBG should provide additional capital for business start-ups in the difficult second phase of market penetration.

The JKBG thus invests primarily in enterprises from two industries in which it has been successfully involved since its foundation and which have an outstanding significance in the Aachen Region.



Name of company	LCL-Biokey GmbH
Address	Pauwelstr. 19 52074 Aachen Germany
Contact Person	Dr. Andrea Hoffmann
Phone / Fax	+ 49- (0) 241-96321-40 + 49- (0) 241-96321-49
e-mail	info@lcl-biokey.de
Website	www.lcl-biokey.de
Year founded	1998
Business Mission	Put science into practice.
Life Sciences Classification	Clinical Diagnostics, Genomics, Microarrays, Consulting, Research Studies, Dentistry, Microbiology
Products in Development	Oral probiotics
Products on the Market	LCL® Parodontitis, LCL® Karies, LCL® Probes & Chips, LCL® Halitosis
Technologies used	DNA Probes & Microarrays for Routine Diagnosis, in Addition RTQ-PCR for Studies
Services offered	Routine diagnosis: oral infections and disorders; Research studies: new technology or new antimicrobial strategies to treat or to prevent caries, halitosis, periodontitis or other oral disorders
Company Profile	The business of LCL biokey GmbH is gene diagnostics using DNA probes and microarray technology. Methods are established to detect gene sequences in organic, especially clinical, specimens. The results support the diagnosis of (infectious-) diseases. In addition, consultation in scientific studies is offered.



Name of company	m2p-labs GmbH
Address	Arnold-Sommerfeld-Ring 2 52499 Baesweiler Germany
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Phone	+ 49- (0) 2401-805330 + 49- (0) 2401-805333
e-mail	info@m2p-labs.com
Website	www.m2p-labs.com
Year founded	2005
Business Mission	The m2p-labs company offers an innovative high-throughput micro bioreactor (BioLector), empowering our customers to screen online, fast and cost-effective for media components, strains or culture conditions.
Life Sciences Classification	Biotechnology, Microfermentation, Lab Automation, Biochemical Engineering
Products in Development	BioLector Pro (fed-batch), Special Media
Products on the Market	BioLector (Microfermentation System), Flowerplate (High Mass Transfer Plates), Special Microplate Sealings
Technologies used	Bioprocess Engineering, Microfluidics and Automatic Liquid Handling
Services offered	Contract Research in Clone Screening, Media Optimisation and Process Development
Life Sciences Experience	Clone Screening, Media Optimisation, Bioprocess Development and Lab Automation
Life Sciences Clients	International Pharmaceutical Companies
Company Profile	<p>The m2p-labs company offers an innovative high-throughput micro bioreactor (BioLector), empowering our customers to screen online, fast and cost-effective for media components, strains or culture conditions. Our customers are based in the pharmaceutical as well as chemical industry. Many renowned companies and research facilities have already chosen our technology.</p> <p>Based on our technology we run a fully automated in-house screening platform for contract research and high throughput protein expression. We advise you in cellular screenings, small scale fermentation and the design of automated screening processes based on standard or customised liquid handling platforms.</p>



ALL IT TAKES TO REGENERATE

Name of company	Matricel GmbH
Address	Kaiserstr. 100 52134 Herzogenrath Germany
Contact Person	Dr. Ingo Heschel (Managing Director)
Phone / Fax	+ 49- (0) 2407-5644-0 + 49- (0) 2407-5644-10
e-mail	info@matricel.de
Website	www.matricel.com
Year founded	2001
Business Mission	Sustainable growth through innovative product developments for medicine and biotechnology.
Life Sciences Classification	Regenerative Medicine, Medical Devices, Biomaterials, Implants, Advanced Therapy Medicinal Products
Products in Development	Neuromaix Peripheral Nerve Regeneration Novomaix Dermal Regeneration
Products on the Market	ACI-Maix Resorbable Collagen Scaffold for Articular Cartilage Regeneration Optimaix Collagen Scaffolds for Cell Cultivation Studies in Tissue Engineering & Stem Cell Research Remaix Dental Barrier Membrane for Guided Bone & Tissue Regeneration
Company Profile	<p>Matricel GmbH is a life sciences company which develops and produces innovative bio-matrices, cell carrier and cell cultivation systems for applications in medicine and biotechnology. In addition, Matricel serves the medical community as a collagen supplying partner and cooperates in the development of collagen containing medical products with its development, manufacturing and regulatory expertise. Matricel's proprietary technologies in the area of collagen processing (purity, cell compatibility and safety), matrix production (control over pore structure and pore size), and cross-linking (control of the resorption time and degradation process) are the essential keys to successfully produce collagen-based, biocompatible and biodegradable matrices in a wide range of modifications suitable for the cultivation with human cells in tissue engineering and for further clinical applications in regenerative medicine.</p> <p>Matricel's collagen scaffolds play a key role in so-called human Tissue Engineered Products (Advanced Therapy Medicinal Products) that combine a biodegradable scaffold with patient derived cells to replace or restore tissue functions that were lost through a disease or accident. Matricel's collagen scaffold ACI-Maix is one of the first products in Europe and Australia that was used clinically for the tissue engineering of articular cartilage. Since 2002 several thousand patients have been treated successfully with this product according to the so-called "Matrix-induced Autologous Chondrocyte Implantation (MACI®)".</p> <p>Matricel's quality assurance system is certified according to DIN EN ISO 13485:2010 and according to TGA Regulations (Australia) for the development, production, and distribution of biomaterials for applications in medicine, pharmaceuticals and biotechnology.</p>

mecora

Name of company

mecora Medizintechnik GmbH

Address

Rottstr. 35 | 52068 Aachen | Germany

Contact Person

Jens Hutzenlaub

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e-mail

hutzenlaub@mecora.com

Website

www.mecora.com

Year founded

1993

Business Mission

Development and Production of Plastic Based Medical Parts

Technologies used

3D CAD, CAM, Milling, Mouldmaking, Injection Moulding, Thermoforming, Cleanroom, Robots, Laserwelding, Dipping

Services offered

Development, Production, Cleanroom Assembly, Packaging, Labeling

Life Sciences Experience

Development and Production of CE Certified Bloodpumps, Canulas and Accessories for Different Customers since more than 16 Years

Company Profile

mecora Medizintechnik stands for the development of high-quality component parts and the production of small batches in the field of plastic medical engineering. We are a reliable and successful partner from the idea to the sterile product. Our experience and the combination of our own technology, development and production render us flexible, quick and cost-effective.

mecora was founded in 1993 in Aachen under the name polymedica as a GmbH. Since then, the company has been working successfully in the field of development and production of plastics engineering components for medical devices. mecora is a full-service partner for its customers from design and construction over tool making, manufacture of plastic components and clean-room assembly up to labelling and individual packaging. Since 1996 mecora has been certified according to DIN EN ISO 13485 as a medical device manufacturer. At mecora, the extensive documentations and quality assurance measures are audited several times annually.



MLM Medical Labs
Moenchengladbach

Name of company	MLM Medical Labs Moenchengladbach GmbH
Address	Wallstraße 10 41061 Moenchengladbach Germany
Contact Person	Silke Schneegans, Business Development Manager PD Dr. Stephan Wnendt, Managing Director
Phone / Fax	+49 (0)2161-8194-333 Switchborad +49 (0)2161-8194-485
e-mail	info@mlm-labs.com
Website	www.mlm-labs.com
Year founded	1993
Business Mission	We are the competent service and specialty lab for our partners covering all analytical needs for our clients with outstanding strenghts like quality, reliability and speed. Analytical expertise, personal accountability and strong customer focus are the core values of our company.
Life Sciences Classification	Analytical Services
Products in Development	NA
Products on the Market	NA
Technologies used	Enzymatic assays, ELISA, ECLIA, CLIA, RIA, IRMA, TRACE, HPLC, LCMS, ISE, AAS, ICP-MS
Services offered	MLM acts as a central and specialty lab for clinical trials (Phase I - IV) and covers the needs of CROs, biotech and pharma clients from sampling kit preparation over logistics to GCP-compliant analysis and documentation of safety lab samples and biomarkers with a portfolio of different parameters. Standard blood counts and clinical chemistry are carried out with the same diligence as sophisticated biomarker assays in order to fulfil the requirements of GCP compliant clinical studies are conducted for registration purposes. Test methods not yet established will be implemented according to the needs of our clients.
Life Sciences Experience	MLM has contributed to more than 500 trials over the last 5 years conducted by world class sponsors and biotech companies.
Life Sciences Clients	MLM's clients are CROs, Universities, biotech companies and global pharmaceutical industries
Company Profile	MLM is a GLP-compliant, CLIA-registered and ISO15189-accredited central and specialty lab for clinical trials offering the complete scope of laboratory services from supply of sampling kits and management of sample logistics over standard and complex analytical programs to electronic data transfer, web-access and bioanalytical study reports. Based on our mission of an integrated service provider for clinical lab work MLM is constantly broadening its portfolio of biomarkers and other parameters thereby following EMA and FDA guidelines on bioanalytical method validation. In addition, MLM has gained reputation as a central lab for multicenter trials that have been challenging with respect to logistics or analytical methods and now has the tools to successfully address future challenges as a central lab for multicenter trials. Our clients are CROs, pharma and biotech companies as well as academic institutions in Europe, Asia and the US. We are dedicated to enable our clients to successfully conduct clinical trials in a competitive environment and therefore offer high quality, flexibility, a strong service attitude paired with very short turn-around times. In order to comply with the highest standards our studies are conducted in compliance with EMA, FDA and ICH guidelines.

Name of company

MÜLLER FOTTNER STEINECKE - IP BIOTECH

Address

Technologiezentrum Jülich | Karl-Heinz-Beckurts-Str. 13 | 52428 Jülich | Germany

Contact Person

Dr. Peter Steinecke, German and European Patent Attorney

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e-mail

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Website

www.ipbiotech.de

Year founded

2004

Business Mission

Our firm counsels clients in obtaining protection of their Intellectual Property (IP) and defending against IP rights of third parties. Furthermore, it is our aim to focus on the dialogue about the scientific background of your invention and its envisaged exploitation. In this context, the technical and scientific understanding in depth is a prerequisite for proper drafting of applications for exclusive rights such as patents and utility models and appropriate assessment and evaluation of these IP rights, by performing IP Due Diligence including Freedom-To-Operate (FTO) analyses, for example.

Life Sciences Classification

Intellectual Property (IP) protection and consulting in IP related matters in the field of biotechnology, biopharmaceuticals, food and feed industry, diagnostics, nanotechnology, medical devices, environmental technology, chemistry, material technology.

Services offered

The main emphasis of our office in Jülich is the field of Life Science/Biotechnology. We counsel biotech companies including start-ups, spin-offs of Universities as well as generic drug companies in establishing and maintenance of their patent portfolio in Germany, Europe and worldwide. Furthermore, we assist in licensing deals, patent clearance as well as in infringement, opposition and nullity proceedings concerning patents and utility models.

Life Sciences Experience

In-house experience with pharmaceutical and biotechnology companies both in scientific as well as patent related matters, in particular in molecular biology, biopharmaceuticals, plant biotechnology, immunology, antibody technology, virology, ribozyme/antisense/RNAi technology, stem cell technology, pharmacogenomics, food and feed industry, diagnostic assays, screening methods, research tools and their use in drug discovery. Our firm is continuously ranked by clients and attorneys in Germany among the top renowned patent law firms in pharma, biotech and medicinal product patent filing and prosecution; see the current issue of the pertinent lawyers' handbook JUVE Handbuch „Wirtschaftskanzleien 2010/2011“.

Company Profile

MÜLLER FOTTNER STEINECKE is an association of Patent Attorneys and Attorneys at Law with offices located in Munich and Jülich offering legal services in all areas of Intellectual Property Law, among them in the patent, trademark, utility model and design field, as well as in licensing, unfair competition and copyright matters. In these fields, our services include the preparing, filing and prosecuting of German and foreign applications, for example at the German Patent and Trademark Office (DPMA), at the European Patent Office (EPO) in Munich, Germany, and the Hague, Netherlands, and at the World Intellectual Property Organization (WIPO) in Geneva, Switzerland. Furthermore, we provide litigation services with a special emphasis on patent and trademark litigation.



Name of company	Osthus GmbH
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Phone / Fax	+ 49 (0) 241-94314-0 + 49 (0) 241-94314 - 19
e-mail	torsten.osthus@osthus.de
Website	www.osthus.de
Year founded	1996
Business Mission	Success with R & D, Support Customer's First-to-Market Strategy
Life Sciences Classification	GLP, GCP, GMP, Projects for Regulated and Non-Regulated Environment, ISO 9001
Products in Development	Custom Projects as Specified by Customer & Project Teams
Products on the Market	SOAworks Components
Technologies used	JAVA J2E, .NET, Sharepoint, Sybase, ARIS, FAST, Oracle, Accelrys, Documentum, Ontoprise
Services offered	Consulting, Software Development and System Implementation for IT-Integration Projects
Life Sciences Experience	e.g. Architecture, Design and Development of Compound Logistic Systems, Document Management Integration, Chemical Structure DWH, Search and Retrieval Systems for R&D, LIMS Systems for Crop Science, Catalogue Management for External Compounds, Drug Safety Affiliate Service Integration
Life Sciences Clients	BASF, Grünenthal, Bayer Health Care, Bayer Crop Science, Roche, Nycomed
Company Profile	Osthus GmbH engages in consulting, architecture and system integration for mission critical applications in Life Science and the chemical industry. Modelling of processes and integration with existing applications are used to deliver adaptable service-oriented systems for enterprise SOA.



Name of company

PAION AG

Address

Martinstr. 10-12 | 52062 Aachen | Germany

Contact Person

Dr. Ralf Penner

Phone / Fax

+ 49- (0) 241-4453-152 | + 49- (0) 241-4453-120

e-mail

info@paion.de

Website

www.paion.com

Year founded

2000

Life Sciences Classification

Development and commercialisation of innovative drugs for the hospital-based treatment in indications for which there is a substantial unmet medical need.

Products in Development

Remimazolam (IV sedative/anaesthetic for procedural sedation – out-licensed to Ono Pharmaceutical in Japan for anaesthesia), M6G (IV opioid for peri-operative pain), Desmoteplase (IV plasminogen activator for acute ischaemic stroke – fully outlicensed to H. Lundbeck A/S), Solulin (IV thrombomodulin for haemophilia), GGF₂ (IV glial growth factor – fully out-licensed to Acorda Therapeutics)

Company Profile

PAION is a biopharmaceutical company headquartered in Aachen, Germany and has a second site in Cambridge, UK. The company is specialized in developing and commercializing innovative drugs for the hospital-based treatment in indications for which there is a substantial unmet medical need. PAION has a “Search & Develop” business model, which is based on its core expertise in drug development. Where appropriate, particularly during the late stages of the clinical development, PAION seeks to collaborate with experienced partners.

PAION is listed at the Frankfurt Stock Exchange (Prime Standard Regulated Market, Stock Symbol PA8, ISIN DE000A0B65S3)

PHILIPS

Name of company	Philips Research Laboratories
Address	Weißhausstr. 2 52066 Aachen Germany
Contact Person	Michael Perkuhn
Phone / Fax	+ 49- (0) 241-6003-214 + 49- (0) 241-6003-442
e-mail	michael.perkuhn@philips.com
Website	www.research.philips.com
Year founded	1955
Life Sciences Classification	Biosensors, Medical Devices, Molecular Imaging, Personal Healthcare, Research
Company Profile	<p>Founded in Eindhoven (the Netherlands) in 1914, Philips Research as part of Royal Philips Electronics is one of the world's major private research organizations. Our common vision in healthcare is to create technologies that will lead to products that improve people's lives. People care about their health. We therefore aim to assist medical professionals in providing better care earlier and to help people be more involved in managing their health themselves.</p> <p>The Philips Research Laboratories in Aachen are part of the international Philips Research organisation with laboratories in Europe, USA and Asia. Research topics in Aachen are medical technology and light generation.</p>

PHILIPS

Name of company	Philips GmbH Unternehmensbereich Healthcare
Address	Lübeckertordamm 5 20099 Hamburg Germany
Contact Person	Dr. Andre Steinbrink
Phone / Fax	+ 49- (0) 40-2899-0 + 49- (0) 40-2899-6666
e-mail	andre.steinbrink@philips.com
Website	healthcare.deutschland@philips.com
Year founded	1891
Business Mission	<p>Philips Mission: In a world where complexity increasingly touches every aspect of our daily live, we will lead in bringing sense and simplicity to the people</p> <p>Healthcare ambition: Improving the quality of clinicians and patients lives by simplifying the delivery of health care , improving clinical outcomes and reducing health care system costs.</p>
Products on the Market	Lighting, Consumer Lifestyle, Healthcare Products like Imaging Systems, Ultrasound, Healthcare IT, Patient Monitoring and Therapeutic Care
Company Profile	Royal Philips Electronics of the Netherlands is a diversified Health and Well-being company, focused on improving people's lives through timely innovations. As a world leader in healthcare, lifestyle and lighting, Philips integrates technologies and design into people-centric solutions, based on fundamental customer insights and the brand promise of "sense and simplicity".



Name of company	phi-med Gesellschaft für Medizintechnik mbH
Address	Eleonorenstraße 1 52445 Jülich Germany
Contact Person	Stefan Immel
Phone	+ 49- (0) 2461-99544-30
e-mail	stefan.immel@phi-med.de
Website	www.phi-med.de
Year founded	1996
Business Mission	We care about your laboratory devices – individually, quick and near by.
Life Sciences Classification	Service
Services offered	Inspection, maintenance, repair and overhaul of medical and laboratory technical devices. phi-med is your regional partner in North Rhine-Westphalia. Our company has the certification on DIN/ISO 9001:2000 and is subcontractor of several well-known companies within this branch.
Life Sciences Clients	RWTH Aachen University, University hospital of Cologne, Memmert GmbH & Co. KG, Thermo Fisher Scientific



Quality Consulting Medical GmbH

Name of company

qcmed Quality Consulting Medical GmbH

Address

Im Süsterfeld 6 | 52072 Aachen | Germany
Office Bonn:
Oberdorfstraße 7 | 53859 Niederkassel | Germany

Contact Person

Peter Knipp

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e-mail

info@qcmed.de

Website

www.qcmed.de

Year founded

2006

Business Mission

Quality for Success!

Life Sciences Classification

Regulatory Affairs, Medical Devices, In-vitro-Diagnostics,
Quality Management, GMP

Services offered

Regulatory Affairs:

- Technical Documentation (Design Dossiers, DMR, DHF)
- Risk Management (ISO 14971, ISO 22442, IEC 80001-1)
- Technical Testing, Validation: Software, Biology, Sterilization
- Regulatory Approval: CE, USA, Canada, etc.
- Post Market Surveillance / Vigilance System
- Trainings: Inhouse, organized

Quality Management:

- Establish, implement and maintain QM-Systems to ISO 9001, ISO 13485, GMP
- Audits: Internal, suppliers; international

Life Sciences Experience

Over 15 years of experience with SME and startups, mostly in the Aachen region.

Life Sciences Clients

Regional, National and International Clients.

Company Profile

qcmed is a full service provider for manufacturers of medical devices and in-vitro diagnostics. Our consulting engineers guide you through the regulatory requirements of the medical devices legislation in Europe and the US. Over 15 years of professional expertise with medical devices of all types and risk classes make qcmed a qualified partner for your business success.



<p>Name of Institution</p> <p>Address</p> <p>Contact Person</p> <p>Phone / Fax</p> <p>e-mail</p> <p>Website</p>	<p>RWTH Aachen University</p> <p>c/o Dezernat 4.0 Technologietransfer, Forschungsförderung und Karriereentwicklung Templergraben 55 52062 Aachen Germany</p> <p>Univ.-Prof. Dr.rer.nat. Martin Möller Sprecher des FORUM LIFE SCIENCES</p> <p>Geschäftsstelle des FORUM LIFE SCIENCES + 49- (0) 241-80-94561 + 49- (0) 241-80-92305</p> <p>fls@zhv.rwth-aachen.de</p> <p>www.foren.rwth-aachen.de</p>
<p>Profile</p>	<p>As one of the few technical universities in Germany the RWTH Aachen University possesses with its traditionally strong Engineering Faculties and their connection with the Faculties of Medicine and Natural Sciences, the optimum structural requirements for establishing in the field of Life Sciences, a bridge between fundamental research in the Natural Sciences and engineering application. In so doing, a tremendous potential for innovation emerges, which lies beyond the boundaries of either of the classical disciplines. In this interdisciplinary inter-connection innovative approaches can be accommodated in the Life Sciences from the idea up to the clinical application. Compared to other universities at the national level this aspect is a particularly unique characteristic of the RWTH Aachen University.</p>

Name of Parent Organisation	RWTH Aachen University
Name of Institute	Aachener Verfahrenstechnik - Biochemical Engineering
Address	Worringer Weg 1 Sammelbau Biologie 52056 Aachen Germany
Contact Person	Prof. Dr.-Ing. Jochen Büchs
Phone / Fax	+ 49- (0) 241-80-24633 + 49- (0) 241-80-22265
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Website	www.avt.rwth-aachen.de
Life Sciences Classification	Research
Products in Development	Quantitative Microreactor Cultivation (QMRC), Online-Monitoring of OTR, CTR, RO, OD, pH, DO ₂ , NADH and Product (if fused to a fluorescent Protein) in Shake Flasks and shaken Microplates, Slow Release Techniques in shaken Bioreactors, Parallel Shaken Continuous Bioreactors
Technologies used	Respiration Activity Monitoring System (RAMOS), Online-Monitoring in Microplates of OD, pH, DO ₂ , NADH and Product (if fused to a fluorescent Protein) (Biolector), Continuously Shaken Bioreactor System (CosBios), Screening under Fed-Batch Conditions (Feed Disks and Feed Plates)
Services offered	We are always open to offer our expertise (see below) to interested industrial partners and research groups
Life Sciences Clients / Cooperations	BASF AG, Ludwigshafen, Germany Degussa AG, Halle (Westfalen), Germany Henkel KGaA, Düsseldorf, Germany AC Biotec GmbH, Jülich, Germany Rhein Biotech GmbH, Düsseldorf, Germany HiTec Zang GmbH, Herzogenrath, Germany A. Kühner AG, Birsfelden, Switzerland Heinrich Frings GmbH & Co KG, Bonn, Germany Julich Chiral Solutions GmbH, Jülich, Germany and others
Profile	<p>We are primarily concerned with the development of new methods and devices for biotechnological processes. The field of our main research interest is represented by three research groups:</p> <p>Shaken Bioreactor Technology: Our research in this field is focused on the characterization of the culture conditions in small scale culture systems (mL- and µL-scale) and the development of new measuring devices.</p> <p>Fermentation Technology: This research area is primarily concerned with the investigation of mass transfer phenomena in bioreactors. Additional aspects are fluid dynamics as well as mass and energy balancing and control and modelling of biological processes.</p>

Name of Parent Organisation	RWTH Aachen University
Name of Institute	DWI an der RWTH Aachen e.V.
Address	Forckenbeckstraße 50 52074 Aachen Germany
Contact Person	Prof. Dr. M. Möller
Phone / Fax	+ 49- (0) 241 80-233-00 + 49- (0) 241 80-233-01
e-mail	contact@dwI.rwth-aachen.de
Website	www.dwi.rwth-aachen.de
Life Sciences Classification	Research and Development of Biomaterials, Drug Delivery Systems, Implants, Medical Devices, Absorbable and non-absorbable Textile Scaffolds for Tissue Engineering; Surface Modification of Biomaterials; Bioactive, Intelligent Hydrogels
Technologies used	Polymer Synthesis, Electrospinning, Nanostructuring of Surfaces, Chemical and physical Surface Modification Technologies (Plasma Technologies, Chemical Vapour Deposition Polymerisation for Coating of Metals)
Services offered	Development of biocompatible Polymers, Applied Surface Modification, Analytical Services, Consulting
Life Sciences Clients / Cooperations	University Clinic Aachen, Institut für Textiltechnik der RWTH Aachen, Helmholtz Institut Aachen, Degussa GmbH, Bayer MaterialScience AG, SusTech GmbH & Co. KG, AplaGen GmbH
Profile	<p>DWI is a modern research facility with a strong focus on state-of-the-art materials. DWI is linked to the Aachen University via the Chair of Textile Chemistry and Macromolecular Chemistry (TexMC) as part of the Institute of Technical and Macromolecular Chemistry (ITMC) of the Aachen University. Main areas of research are functional polymers, biomaterials and chemical surface modification.</p> <p>Current areas of research are:</p> <ul style="list-style-type: none"> • Multifunctional / Multireactive Oligomers and Polymers • Polymers for Self Assembly and Surface Modification • Micro-/Nanoparticles and Hybrid Systems • Surface Activation and Functionalization • Biomimetic, Biohybride Antimicrobial Systems • Biomaterials, Nano- and Mikrostructures at Biointerfaces • Analysis, especially Surface Analysis

Institut für Biologie II

Name of Parent Organisation	RWTH Aachen University
Name of Institute	Institut für Biologie II
Address	Kopernikusstr. 16 52062 Aachen Germany
Contact Person	Prof. Dr. Hermann Wagner
Phone / Fax	+ 49- (0) 241-80-24835 + 49- (0) 241-80-22133
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Website	www.bio2.rwth-aachen.de/
Life Sciences Classification	Biosensors, General Cell Culture, Neuroscience
Technologies used	Virtual Reality, Electrophysiology, Cell Culture, Molecular Biology
Services offered	Virtual Reality, Electrophysiology Set Ups, Sound Proof Chambers, Cell Culture Laboratories, Confocal Microscopy, Immunohistochemistry, Digital Imaging and Processing, Protein Biochemistry, Methods to Quantify Gene Expression
Life Sciences Clients / Cooperations	Hebrew University (Jerusalem), Israel Institute of Technology (Haifa), Humboldt University Berlin, Technical University Munich, University of Maryland, Washington, University St. Louis, Shriver Institute Boston, Queens University Kingston, Canada
Profile	<p>Research in the Institute of Biology II concentrates on biological information processing.</p> <p>We are interested in understanding the neuroethological mechanisms underlying complex and cognitive behavior as well as developmental processes. Birds, and especially the barn owl are well suited for such research. The barn owl has special adaptations (facial disc, asymmetrical ears, frontally positioned eyes) that imply that evolution has created effective neural algorithms. Understanding complex behavior traits requires research at different levels of analysis. Therefore, our research combines investigations at the behavioral, the neurobiological (molecular, cellular, systems level), the theoretical levels and the applied level (bionics).</p>

Name of Parent Organisation	RWTH Aachen University
Name of Institute	Institute for Organic Chemistry, Department I of Organic Chemistry
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e-mail	Enders@RWTH-Aachen.de Bettray@RWTH-Aachen.de
Website	www.ioc.rwth-aachen.de
Life Sciences Classification	Organic Synthesis, Metal and Organocatalysis, Asymmetric Synthesis, Organometallic Synthesis Research
Technologies used	Method Development for Organic Synthesis and Catalysis, Asymmetric Synthesis, Analytical Methods (GC, HPLC, NMR, IR, MS)
Life Sciences Clients / Cooperations	University of Sevilla, University of Lille, University of Lyon, Indian Institut of Science, Bangalore
Profile	<p>The current research interests of our group are focused on the general area of organic synthesis. Main objectives include the development of highly stereoselective bond construction methods and their application in the synthesis of natural products and bioactive compounds in general. Furthermore modern aspects of catalysis employing metal-mediated or organocatalytic methods are investigated. Especially in the field of organocatalysis highly stereoselective cascade reactions and modern carbene-catalyses are under investigation. The central theme of all these research activities is asymmetric synthesis. Throughout these synthetic exercises a deep understanding of the reaction mechanisms and structural aspects is required and part of the investigation.</p>

Name of Parent Organisation	RWTH Aachen University
Name of Institute	Institut für Textiltechnik
Address	Otto-Blumenthal-Str.1 52074 Aachen Germany
Contact Person	Prof. Dr.-Ing. T. Gries (Director) Prof. Dr.-med. S. Jockenhövel (Director of Division Medical Textiles)
Phone / Fax	+ 49- (0) 241-80-23400 + 49- (0) 241-80-22422
e-mail	ita@ita.rwth-aachen.de
Website	www.ita.rwth-aachen.de
Life Sciences Classification	Research and Development of Biological Medical Textiles, Drug Delivery Systems, Minimal Invasive Therapies, Absorbable and Non-Absorbable Textile Scaffolds for Regenerative Medicine and Tissue Engineering, Mechanical Testing of Implants and Explants
Products in Development	Shape Memory Polymer Stents, Nitinol Stents and Micro Stents, Absorbable Textile Scaffolds for Tissue Engineering, Tissue Engineered Vascular Grafts and Heart Valves, Drug Delivery Textile Containment, Textile Scaffolds for Bone Regeneration and Artificial Cornea
Technologies used	Spinning of Biocompatible Materials (e.g. PDA, PLA and PVDF), Nonwovens Technologies, Braiding, Warp Knitting, Weaving, Bioreactor Technologies
Services offered	Development of textile structures for implants and tissue engineering, development of production processes and mechanical testing processes for medical products, production of small series, Screening of cytotoxicity
Life Sciences Clients / Cooperations	Helmholtz Institute for Biomedical Engineering, Department of Tissue Engineering & Biomaterials, University Hospital Aachen, Institut für Technische und Makromolekulare Chemie of RWTH-Aachen University
Profile	Since several years the Institute für Textiltechnik (ITA) of RWTH Aachen University develops, in close interdisciplinary cooperation with engineers, chemists, biologists and medical partners, production processes, products and testing methods in the field of medical textiles and biomaterials. Currently the research group „Medical Textiles/Biomaterials“ at the ITA focuses mainly on the optimisation of textile vascular grafts, textile scaffolds for tissue replacement and tissue support (Tissue Engineering) and the development of new textile structures (yarn, woven fabrics and composites) and implants made of resorbable and nonresorbable materials, shape memory polymers as well as alloys. The transfaculty professorship Tissue Engineering & Textile Implants (Prof. Jockenhövel) guaranties a strong link between textile development, (bio-)functionalisation and (pre-)clinical testing.

Name of Parent Organisation	RWTH Aachen University
Name of Institute	Institute of Applied Medical Engineering (AME)
Address	Pauwelsstr. 20 52074 Aachen Germany
Contact Person	Prof. Dr. Thomas Schmitz-Rode
Phone / Fax	+ 49- (0) 241-80-87111 + 49- (0) 241-80-82026
e-mail	secretary@hia.rwth-aachen.de
Website	www.hia.rwth-aachen.de
Life Sciences Classification	Biomaterials, Biosensors, Bio-Signal Processing, Cardiovascular Therapies, Clinical Diagnostics, Drug Delivery Systems, Equipment, General Cell Culture, Genomics, Implants, Medical Devices, Minimal Invasive Therapies, Molecular Imaging, Movement Analysis, Personal Healthcare, Proteomics, Regenerative Medicine, Research, Testing/Analytical Services, Therapeutics, Tissue Engineering
Products in Development	Ventricular Assist Devices, Oxigenators, Heart-Lung Machines, Heart Valves, Intelligent Implants, Bio-Signal Detection and Processing Systems, Miniaturized Instruments, Mechatronic and Robotic Systems, OR-Simulation and Planning Tools, Biohybrid Devices
Technologies used and services offered	Flow Visualisation, Movement Analysis, Simulation Tools, Surface EMG, Image Processing, 3D Reconstruction, Modeling, FEM, CAD, Rapid Prototyping, FMEA, Gene Expression, Enzyme-Expression, Enzyme Purification, Enzyme Characterization, Synthesis of Glycoconjugates, Genetically Modified Mouse Models, Stem Cell Isolation and Differentiation, Cellular Engineering, Gene transfer, Epigenetic Manipulation, Automation Concepts, Mechatronic Components, Modelling of Circulation, Automated Anaesthesia, Mechatronic Implants, Textile Integration of Sensors/Electronics, Energy Supply, Bioimpedance Techniques, Cellular Engineering of Stem Cells, Cell Tracking and Tracing, Biosensors/Bioactors, Biomaterials, Molecular Biology, Genetic Engineerings, Gene transfer, Transgenic/Knockout Mouse Models
Profile	Contributions from 4 faculties: Medicine, Electrical Engineering, Mechanical Engineering, Natural Sciences. 7 professors: Biomaterials (Nat. Sc.), Medical Technology (Mech. Eng.), Medical Information Technology (Electr. Eng.), Applied Medical Engineering (Med.), Cell Biology (Med.), Biointerfaces (Med.), Molecular Imaging (Med.). R&D goals: miniaturized and biohybrid systems for organ support or replacement, instruments and imaging for minimally invasive therapy, telemetric monitoring systems for hospital and home. Research Topics: Diagnostics: Molecular & Functional Imaging (Cell Tracking, Drug Delivery, Molecular Probes), Personal Health Care (Textile Integrated Sensors, Intelligent Implants, Clinical Sensor Technology) Therapy: Interventional Therapy Engineering (cardiovascular, musculoskeletal, Image Guidance, miniaturized instruments, navigation, robotics), Life Support Systems (VADs, P-VAD, Oxigenators, Mini HLM, Heart Valves, P-Implant, P-Valve) Applied Life Sciences: Cellular/Biohybrid Engineering: Biohybrid Systems, Intelligent Scaffolds, Biosensors/Activators, Biofunctionalised Surfaces, Bioreactors, Transgeneous/ Knockout Animal Models.

Name of company

Sparkasse Aachen

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Hubert Herpers, Vorstandsvorsitzender

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Website

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Company Profile

Die Sparkasse Aachen bietet als Universalinstitut umfassende Finanzdienstleistungen für Privat- und Firmenkunden.

As an all-round institute Sparkasse Aachen offers comprehensive services for private and corporate clients.



Name of Parent Organisation	Spintec Engineering GmbH
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Website	www.spintec-engineering.de
Life Sciences Classification	Medtech, Biotech
Company Profile	Silk Engineering for Medical and Industrial Applications

Name	Stadt Jülich
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Contact Person	Frank Drewes
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Website	www.juelich.de

Profile	<p>Schon vor 2000 Jahren schätzten die Römer die Bedeutung des Handelsplatzes Jülich – Juliacum – als wichtigen Siedlungs- und Verkehrsknotenpunkt. Heute ist Jülich – eingebunden in die Technologieregion Aachen – eine Region mit einem Forschungs- und Entwicklungspotential, wie man es weltweit nur an wenigen anderen Standorten findet. Dazu zählt insbesondere das Forschungszentrum Jülich, die größte der 16 bundesdeutschen Großforschungseinrichtungen. Umwelt- und Biotechnologie bilden neben Materialforschung und Stoffeigenschaften, Grundlagenforschung zur Informationstechnik und Energieforschung die Schwerpunkte. Ergänzend setzt die FH Aachen in ihrer Jülicher Abteilung maßgebliche Akzente in den zukunftsorientierten Bereichen Biotechnologie, Biomedizinische Technik, Automatisierungs-, Energie- und Umwelttechnologie. Das Technologiezentrum Jülich steht einen richtungweisenden Know-how-Transfer aus den Hochschulen und Forschungseinrichtungen der Region in die konkrete Anwendung vor Ort.</p>
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Name	StädteRegion Aachen
Address	Zollernstr.10 52070 Aachen Germany
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e-mail	thomas.koenig@staedteregion-aachen.de
Website	www.staedteregion-aachen.de
Year founded	2009

Short Profile

The StädteRegion Aachen, located in the south-west of Northrhine-Westphalia, is an association of municipal corporations including eight cities and two municipalities with its administrative headquarters in Aachen and build up an urban and cross border intertwining spacial area with about 560.000 inhabitants. All participants are committed to create the conditions for a new and democratically legitimated institution by 2009. This will help to utilize the significant economic potential and rich cultural possibilities of the Aachen region even more effectively. The StädteRegion is known for its historical and cultural diversity, influenced by the three-country-border to Holland and Belgium, the scenic landscape of the Eifel and the scientific enrichment of the RWTH-Excellence-University in Aachen. Due to its borders to Holland and Belgium the CityRegion Aachen has great potential for transnational cooperation. As the population increasingly engages in the working market, educational and cultural activities across borders, the StädteRegion Aachen specifically furthers this expansion.

Name of company	S-VC GmbH
Address	Markt 45-47 52062 Aachen Germany
Contact Person	Markus Krückemeier
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e-mail	krueckemeier@s-ubg.de
Website	www.s-ubg.de
Year founded	1997
Business Mission	The S-VC is part of the S-UBG-Group that offers private equity for different funding stages. The S-VC focusses on early-stage investments but no seed financing.
Services offered	Start-Up-Consulting, Human Ressource-Consulting, Public Funding, Co-Financing
Life Sciences Experience	Paion AG (pharmaceutical product company; public noticed); LemnaTec GmbH (image processing in biology); mnemoScience GmbH (new materials, especially shape memory polymers for medtech advices)
Life Sciences Clients	Paion AG, Aachen LemnaTec GmbH, Wuerselen mnemoScience GmbH, Aachen
Company Profile	<p>S-UBG-Group is one of the oldest and largest private-equity companies in Germany that is only financed by savings banks. The main investment region is the area between Cologne, Duesseldorf and Aachen where the company is located. We are invested in almost 50 young technology focussed start-up companies and traditional growing mid caps.</p> <p>S-UBG-Group offers an exceptionally comprehensive range of venture capital and private equity solutions. We are expert across all funding stages, from start-ups, through growth capital to buyouts. We partner with a broad range of businesses, and our scale provides us with the experience and expertise needed to invest across all funding stages and across a broad range of sectors but geographical focussed to our investment region.</p>

syntab

therapeutics

Name of company	Syntab Therapeutics GmbH
Address	Dennewartstraße 25-27 52068 Aachen Germany
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e-mail	info@syntab-therapeutics.com
Website	www.syntab-therapeutics.com
Year founded	2010
Business Mission	Syntab Therapeutics is committed to the exploration and development of innovative pharmaceuticals.
Life Sciences Classification	Red Biotechnology
Products in Development	Syntab Therapeutics' lead synthetic antibody candidate, yet in preclinical development, is applied in cancer therapy. Its target structure is the epidermal growth factor receptor (EGFR).
Technologies used	Syntab Therapeutics' technology platform enables the company to synthesize highly effective drugs against cancer and other diseases. These drugs display the positive effects of monoclonal antibodies (high specificity for the target molecule, activation of the immune system), but they are much smaller and simpler in manufacturing
Company Profile	Syntab Therapeutics pursues a novel and innovative concept bringing together the active components of monoclonal antibodies and small, chemically accessible molecules in its proprietary synthetic antibodies. This combination offers high specificity for diseased cells and tissue, targeted activation of the immune system for selective destruction of these cells and high bioavailability next to optimized tissue penetration. Synthetic antibodies are flexible molecules and easy to produce. Based on these properties time spans for development and approval are expected to be much shorter compared to monoclonal antibodies.



Name of company

Technologiezentrum Jülich

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Contact Person

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Website

www.tz-juelich.de

Year founded

1989

Business Mission

Multifunctional Technology Centre

Services offered

Office and Laboratory Space, Conference Rooms for 8 to 34 Persons, Multifunctional Meeting Room up to 120 Guests

Life Sciences Experience

Advice and assistance during the founding phase; mediators in negotiations and discussions between providers of ideas and capital, authorities and other public agencies; assistance on issues in the field of technology als well as in business matters.

Life Sciences Clients

LifeTecAachen-Jülich.e.V., BioRiver

Company Profile

The Technologiezentrum Jülich GmbH (TZJ) in the direct vicinity of the largest German large-scale research centre, the Forschungszentrum Jülich GmbH (FZJ), providing access to the broad spectrum of scientific and technical infrastructure of the FZJ, the RWTH Aachen and Aachen/Jülich Politechnic. Highly qualified personnel from the region is available for innovative work.

The Jülich Technology Centre, founded in 1989, has become a centre of economic exploitation of the technical know-how of the region. With an area of 12,000 sq.m. the TZJ offers flexible and individual space for new innovative companies, development and technologically orientated companies and joint-venture and licensing partners between industry and science. Particular innovative companies require high standards of work places and functional surroundings to ensure high-quality output, and the TZJ fulfils these conditions. The TZJ has a modern communication infrastructure: ISDN, intranet and internet, WLAN and offers secretarial services, photocopying and telephone service, postal service – and last but not least a bistro under palm trees.

Further Members and Sponsors

Dr. Matthias Arnold, DASGIP AG

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Dr. Klaus Langner, Grünenthal GmbH

Dr. Andreas Lorenz

Dr. Oliver Marseille, Circulite GmbH

Dr. Franz A. Wirtz

Univ.-Prof. Dr. rer. Nat. Margrit Frentzen, RWTH Aachen, Lehr- und Forschungsgebiet Spezielle Botanik (bio1)

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