

Biotechnology and Pharmaceutical Industry:
**Guide to Contract Research
in Germany**

Company Directory



Health
made in Germany



GERMANY
TRADE & INVEST

Why a Directory of Contract Research in Germany?

Many biotechnology companies in Germany have been serving the pharmaceutical industry from the very beginning. Rather than pursuing development of their own products, these companies provide contract research along the entire value chain to support the creation of new therapeutic entities. Finding the right partner with the right skills, however, can be a difficult task especially for companies from abroad wishing to have some of the development work done in Germany.

Now, Health – Made in Germany, an initiative of the German Federal Ministry of Economics and Technology (BMWi), is publishing the first directory of German contract researchers that are ready and able to take on work on commission. The initiative is the first place partners from abroad should look to find out how they can tap into and benefit from Germany's expertise in the field of contract research.

Health – Made in Germany holds the key to accessing this extensive experience. The initiative provides information, links partners, and

paves the way to applying German know-how to serving people around the globe. In addition to helping in terms of locating partners in Germany, the initiative provides support when it comes to getting cooperative ventures up and running as well.

One essential feature of Health – Made in Germany is its English website www.health-made-in-germany.de. That is the place to start looking for the latest information about Germany's health care industry. The site features news, information and the latest on exhibitions, trade missions, and what is going on in all of Germany's health care sectors. That means taking the initiative to find out more from „Health – Made in Germany“ is as simple as clicking a mouse. Please get in touch.

Germany Trade & Invest (GTAI) is implementing the initiative as commissioned by the German Federal Ministry of Economics and Technology (BMWi). GTAI is the economic development agency of the Federal Republic of Germany and enjoys close contact with organizations representing companies that serve the health care industry.



Health
made in Germany

Pharmaceutical Contract Research and Development in Germany

At the heart of the pharma/biotech business model is the complex process of drug development. Challenges such as the expiry of blockbuster patents, competition from generics and biosimilar equivalents, the shift to more personalised medicines, as well as drug pricing pressures have driven pharmaceutical and biotechnology companies to increase their efforts in the hunt for new and smarter approaches to drugs- and diagnostics development. Today, companies are frequently putting outsourcing strategies in place to speed up the overall process and to increase the efficiency of drug

development. Furthermore, pharma and biotechnology companies are reshaping the drug development services industry by building new partnerships for their research and development. Germany – the top pharma market in Europe and the number four worldwide – is also a heavyweight in medical biotechnology. The picture today is of a vital and highly diversified contract research landscape, covering all the stages in drug development and value creation. The range of advanced high technologies on offer and an excellent biomedical research and clinical infrastructure makes the German market truly unique.

Services Provided Along the Value Chain

A contract research organisation is a service organisation or company that provides support in the form of

research services to the pharmaceutical and biotechnology industries. These are typically outsourced on a contract basis, and can take in services such as target validation, lead optimisation including delivery technologies, ADMET studies, bioanalytics, and clinical trials management. This approach sees an active role for a range of contract research providers along the complete value chain in drug discovery and development. Biomanufacturing – the industrial production of biopharmaceuticals – is covered in the German Biomanufacturing Guide published by Germany Trade & Invest in 2011, and is not included in the selection outlined here.

The long path to a new drug generally takes place in six distinct steps, all of which are covered in this guide. Drug discovery research



encompasses four subsequent steps: target discovery, target validation, hit identification, and lead optimisation. An early step is the identification of the drug target, a molecular structure that is involved in a disease or condition and which can be accessed using active substances. Subsequent drug discovery describes the process of finding a chemical or biological substance that alters the action of the drug target in a manner that improves the medical condition. Drug discovery is often a trial-and-error process in which fully automated systems are employed to perform screenings of millions of drug candidates. Lead compounds isolated in this procedure are typically tested for their pharmacology, and sometimes chemically modified to improve tolerability in the human body. Further drug development can then be split into two main stages: preclinical studies and the all-important clinical trials. Many companies active in contract research services cover more than one of these stages.

The majority of the approximately 120 German contract research providers presented here fall into the category of small and medium-sized enterprises (SME). Not all companies exclusively offer research services – many carry out their own drug research and development but also offer contract research services as a side activity.

Scope of this Directory

The collation of companies in this guide mirrors the multifaceted nature of the research services offered in Germany. For example, some firms are focused on the synthesis of biomolecules, such as DNA, RNA, peptides, or the synthesis of small chemical molecules – all vital stages in pharmaceutical



development. Others are specialised in the analysis of such molecules, which involves the characterisation of structure, function, and expression. Screening for potential drug candidate molecules is another priority area for contract research service providers. Drug target discovery and the molecular modelling of substances necessarily involves bioinformatics or cheminformatics. Other companies are occupied with the pharmacologic characteristics of active substances towards an improved understanding of the efficacy and toxicology of drug candidates. A further extremely important area is preclinical studies: Highly specialised cell culture and animal models are being employed to elucidate a new drug candidate's uptake, metabolism, excretion and toxicity. Finally, clinical research organisations organise and manage clinical studies from Phase

I to Phase III, and secure clinical trial monitoring, thereby delivering the much needed information basis that is required for approval. These studies are the last and most crucial step in drug development, and for this reason clinical research services are also included in this guide.

To conclude, the guide in your hands is a document of the versatility and strength of the German contract research landscape. We hope it will be of assistance in connecting you with the services and expertise needed for your own drug development, and we wish you good luck in your efforts.

Company and Technology Overview



Company and Technology Overview



Company and Technology Overview

The table below gives an overview of the contract research providers that are listed in this directory and their respective technology profile. Services and technologies offered by the individual company are marked with a circle. Detailed profiles of the companies can be found on pages 14 to 73.

Company	Synthesis	Analysis & Characterisation	Bio- / Cheminformatics	Screening	Medicinal Chemistry	Galénics & Delivery	Pharmacodynamics, -kinetics	Cell Culture Technology	Bioanalytics	Clinical Research
3B Pharmaceuticals GmbH		○		○	○		○			
4SC Discovery GmbH			○	○	○				○	
8sens.biognostic GmbH									○	
ABX-CRO advanced pharmaceutical services							○			
AccelerD® Bioanalytics							○		○	
Accovion GmbH										○
Aldevron Freiburg GmbH		○		○				○		
Allied Clinical Management GmbH										○
ALRISE Biosystems GmbH						○				
AMP-Lab GmbH				○	○			○	○	
Amptec GmbH	○	○								
AMS Advanced Medical Services GmbH										○
analyze & realize AG			○						○	○
Antiinfectives Intelligence GmbH							○			
AptaRes AG		○		○					○	
ARTES Biotechnology GmbH	○	○								
Artesan Pharma GmbH & Co. KG						○				○
ASCA GmbH	○				○					
ATG:biosynthetics GmbH	○		○							
Aurigon Life Science GmbH		○					○	○	○	
Autodisplay Biotech GmbH		○		○					○	
Baltic Analytics GmbH		○		○						

Company	Synthesis	Analysis & Characterisation	Bio- / Cheminformatics	Screening	Medicinal Chemistry	Galénics & Delivery	Pharmacodynamics, -kinetics	Cell Culture Technology	Bioanalytics	Clinical Research
Biaffin GmbH & Co KG		○					○		○	
Bioassay GmbH							○		○	
biometec				○				○		
BIOPHARM GmbH		○						○	○	
Biosyntan	○									
BIOTREND CHEMIKALIEN GmbH	○			○			○	○		
Bioworx	○			○						
BLS Preclinical Services eK							○			
C.A.T. GmbH & Co. KG		○							○	
caprotec bioanalytics GmbH		○			○				○	
Cardiac Research GmbH										○
Carpegen GmbH		○							○	
CCDRD AG							○		○	○
CeGaT GmbH		○	○				○			
Celares GmbH						○			○	
cellasys GmbH				○			○	○		
CellSystems Biotechnologie Vertrieb GmbH		○					○	○		○
CellTrend GmbH		○		○				○	○	
CenTrial GmbH										○
ChemCon GmbH	○				○					
Chiltern International GmbH										○
Chimera Biotec GmbH							○		○	○
CONET GmbH										○
Coriolis Pharma		○				○				
CorTAG GmbH									○	○
Crelux GmbH		○		○						
CROLLL GmbH										○
Davids Biotechnologie GmbH	○			○				○		
ElexoPharm GmbH	○		○	○	○					
EMC microcollections GmbH	○	○		○	○					
emovis GmbH										○
Encepharm GmbH				○			○			
ENDOTHERM GmbH	○			○	○					
Eurofins Medigenomix GmbH	○	○					○			

Company and Technology Overview

Company	Synthesis	Analysis & Characterisation	Bio- / Cheminformatics	Screening	Medicinal Chemistry	Galénics & Delivery	Pharmacodynamics, -kinetics	Cell Culture Technology	Bioanalytics	Clinical Research
Eurofins MWG Operon	○	○					○			○
Evotec AG			○	○	○		○			
EXcorLab GmbH								○	○	○
EPO Berlin-Buch GmbH				○			○	○		
FGK Clinical Research GmbH										○
Flyion GmbH		○		○			○			
Genaxxon Bioscience GmbH	○								○	
GeneWake GmbH				○			○		○	○
Genomatix Software GmbH		○	○	○						
GENterprise GmbH		○	○						○	
hameln rds gmbh	○					○	○			○
Heidelberg Pharma GmbH							○		○	
humatrix AG							○			
IIT an der Universität Bielefeld GmbH		○								
IKFE GmbH				○			○			○
Immundiagnostik AG				○	○				○	○
INDIVUMED GmbH		○						○	○	○
Inostics GmbH										○
INTERLAB central lab services GmbH									○	
Iris Biotech GmbH	○								○	
JPT Peptide Technologies GmbH	○		○	○	○					
LAT GmbH Dr. Tittel		○		○						
Lead Discovery Center GmbH				○	○		○			
LipoFIT Analytic GmbH		○		○			○			○
LOGOPHARM GmbH		○	○							
Mediconomics GmbH										○
MEDICRO GmbH										○
Medicyte GmbH								○		
Medidata										
menal GmbH							○	○	○	○
Metabolomic Discoveries GmbH		○	○	○					○	
Metronomia Clinical Research GmbH										○

Company	Synthesis	Analysis & Characterisation	Bio- / Cheminformatics	Screening	Medicinal Chemistry	Galénics & Delivery	Pharmacodynamics, -kinetics	Cell Culture Technology	Bioanalytics	Clinical Research
MicroDiscovery GmbH		○	○							○
Micromun		○								
Molecular Networks GmbH			○							
nadicom GmbH		○							○	
nanoTOOLS GmbH & Co. KG				○				○	○	
Nexigen GmbH	○	○	○	○						
Orion Clinical Services GmbH										○
P.S.S.T GmbH										○
PEPperPRINT GmbH		○		○						
Pharmacelsus GmbH							○		○	
PharmaInformatic			○	○	○		○			
PHARMALOG										○
PharmGenomics GmbH		○	○				○		○	
Pierrel Research Europe										○
Planton GmbH		○							○	
Polyquant GmbH	○	○	○	○						
PRIMACYT Cell Culture Technology GmbH							○	○		
ProJect Pharmaceuticals GmbH		○				○				
ProQinase GmbH		○		○				○		
Protagen AG		○	○						○	○
provitro GmbH		○		○			○	○		
Ribocon GmbH			○							
Sacura GmbH										○
Scienion AG				○						
SequentiX - Digital DNA Processing		○	○	○						
SSS International Clinical Research GmbH										○
StarSEQ GmbH			○						○	
TransTissue Technologies GmbH		○		○				○	○	
Vibalogics GmbH								○	○	
VivaCell Biotechnology GmbH		○		○			○	○		
vivo Science GmbH				○			○	○		○
ZytoVision GmbH				○						○



Company Profiles



3B Pharmaceuticals GmbH

Magnusstr. 11, 12489 Berlin
 T +49-30-6392-4317 F +49-30-6392-4316
 info@3b-pharma.com
 www.3b-pharma.com



3B Pharmaceuticals (3BP) is a leader in peptide-based drug discovery and development.

The company is combining industry-leading capabilities in biological hit identification and peptide medicinal chemistry. 3BP can independently run discovery and development projects from target validation to early clinical development.

The company is privately held and based in Berlin, Germany.

3BP's peptide technologies are applied across three business areas:

1.) Discovery, optimization & preclinical development of peptide drug candidates

2.) Identification and development of tracers for molecular targeted in vivo diagnostic imaging (PET, SPECT, optical...) and targeted radionuclide therapy

3.) Custom development of peptidomimetic affinity ligands (PALs) for the purification of therapeutic proteins (affinity chromatography-based manufacturing step for ANY therapeutic protein)

Founded: 2008 Employees: 15



4SC Discovery GmbH

Am Klopferspitz 19a, 82152 Martinsried
 T +49-89-700763-0 F +49-89-700763-29
 discovery@4sc.com
 www.4sc-discovery.de



We offer fully integrated research services, covering all scientific disciplines for small molecule drug discovery at every stage: from hit identification, hit-to-lead, and lead optimisation through to preclinical development.

Key to our time and cost efficient research services is the seamless integration of our core technology, computational chemistry, into all phases of the drug discovery process. The close interaction of dedicated and experienced teams of computational chemists, medicinal and analytical chemists, biologists, pharmacologists together with experienced project managers is the second source of the high quality of our research services. Our experience is based on more than a

decade of internal research and numerous successful collaborations.

The structure of our research services is adjustable to the customer's needs, and range from full fee-for-service deals to risk sharing projects.

Founded: 2011 (1997) Employees: 29



8sens.biognostic GmbH

Robert-Rössle-Str. 10, 13125 Berlin
T +49-30-9489-2116 F +49-30-9489-2117
ilka.renneberg@biognostic.de
www.biognostic.de



8sens.biognostic GmbH design, develop and produce in-vitro diagnostica (IVD) up to CE approval.

We offer development on demand: custom-made development and production of immuno-chromatographic lateral flow tests and microtiterplate-based assays (ELISAs, etc.) as well as production of antibody conjugates (colloidal gold, latex, dyes etc.) for research and production. Our key business activities also cover novel protein-based macro arrays for multianalyte detection

(e.g. panels for heart attack, heart risk and TORCH) as well as adaptable reader systems for easy quantification of rapid test and macro array results.

Product portfolio: Rapid Tests CRP, hs-CRP, h-FABP, cTnI and reader systems.

Founded: 2000

Employees: 8



ABX-CRO advanced pharmaceutical services GmbH

Blasewitzer Str. 78-80, 01307 Dresden
T +49-351-2144-40 F +49-351-2144-415
info@abx-cro.com
www2.abx-cro.com



ABX-CRO is an international clinical research organization specialized in preclinical and clinical imaging trials. We have developed ABX-DIRECT®, a web-based image transfer and organisational tool for the management of medical imaging data in clinical trials. It is a unique software solution for integrated and secure handling especially designed to meet the demands of multi center clinical trials.

Founded: 2002

Employees: 35



Accelero® Bioanalytics

Schulzestr. 20, 13187 Berlin
 T +49-30-4373-7748 F +49-30-4847-6328
 service@accelero-bioanalytics.com
 www.accelero-bioanalytics.com

accelerō bioanalytics



Welcome to Accelero® Bioanalytics GmbH
 Your GxP Compliant Ligand Binding Assay Partner

peptide hormones, biosimilars, antibody therapeutics,
 or cell-based therapeutics.

Accelero® Bioanalytics GmbH is a biotech contract research organization (CRO) focussing on the emerging field of Ligand Binding Assays of virtually any kind. Our expertise is the bioanalysis of innovative therapeutics based on nucleic acid or protein/peptide chemistry. Our customers can benefit from a complete new business model.

Innovative, ultrasensitive immunoassay technologies like immuno qPCR or proximity ligation assays allow for peptide/protein quantification in real time. Our Applied Biosystems ViiA7 real-time qPCR system with IVD label for human Dx operates in full compliance to Good Laboratory Practice (GLP).

Accelero® Bioanalytics GmbH supports pharmacokinetic and pharmacodynamic preclinical and clinical drug development on microRNA, miRNA, siRNA, aptamers, plasmid APIs, antisense drugs, as well as

Founded: 2011 **Employees: 10**



Accovion GmbH

Helfmann-Park 10, 65760 Eschborn
 T +49-6196-7709-0 F +49-6196-7709-120
 info@accovion.com
 www.accovion.com

ACCOVION

As a European full-service Clinical Research Organization, headquartered in Germany, ACCOVION supports all types and phases of local and global projects for the Pharmaceutical, Biotechnology and Medical Device industries. Our sought after services include project planning and management, clinical operations and monitoring, data management, vigilance and post-marketing safety, biostatistics and statistical programming, medical writing and electronic publishing.

to answer the rapid changes and expectations of the market. Our large geographical reach is underlined by our physical presence in key territories, such as Czech Republic, Poland, Romania, Russia, Spain and the UK. ACCOVION is known for quality, expertise and competence.

ACCOVION experts provide you with high professional, tailor-made and innovative solutions by building competence and state-of-the-art practice into regulatory compliance. Up to day we served more than 140 clients and expanded our service portfolio continuously

Founded: 2002 **Employees: 250**



Aldevron Freiburg GmbH

Waltershofener Str. 17, 79111 Freiburg
T +49-761-45636-0 F +49-761-45636-29
antibody@aldevron.com
www.aldevron.com



Aldevron Freiburg's (formerly GENOVAC) focus is on the generation of custom-made antibodies against native proteins directly from cDNA (genetic immunisation). GENOVAC Antibody Technology has been successfully applied for over 12 years and its custom antibodies have been referenced in over 140 publications and patents. Aldevron supports all project types from therapeutic applications to diagnostic and reagent antibodies with high success rates. This technology has been developed to cater for all protein targets where other methods have failed (e.g. GPCRs) and antibodies against a wide range of targets have been successfully generated. It is ideal to generate antibodies which modulate the function of a protein and could be further developed as therapeutic drugs. Complementary

services include conventional protein or peptide immunisation, antibody production, purification, processing and characterisation. Aldevron further offers plasmid manufacturing and recombinant protein production.

Founded: 1999 Employees: 16



Allied Clinical Management GmbH

Hamburger Str. 14, 16341 Panketal
T +49-30-240-4788-0 F +49-30-240-4788-19
info@allied-clinical.com
www.allied-clinical.com



Partnering with Pharmaceutical Leaders Active in Clinical Research

Allied Clinical Management is a clinical research organization specializing in monitoring and managing phase I to phase IV post-marketing clinical trials.

Our offices in downtown Berlin and near the internationally renowned Biotech Park in Berlin-Buch allow sponsors to take advantage of cost efficiencies when conducting clinical trials in either Eastern or Western Europe.

We employ highly trained and accomplished clinical research professionals with in-depth knowledge of setting-up, managing and monitoring clinical trials according to ICH-GCP standards.

We are the ideal choice for biotechs who are looking for a similar partner who will dedicate the time and attention to regional trials. Nevertheless, we also provide in-sourced monitoring services to large pharmaceutical businesses.

Founded: n/a Employees: n/a



ALRISE Biosystems GmbH

Robert-Rössle-Str. 10, 13125 Berlin
T +49-30-9489-2483 F +49-30-9489-2482
info@alrise.de
www.alrise.de



ALRISE develops controlled release depot formulations for protein, peptide and small molecule drugs. The cornerstone of ALRISE's business is its patented parenteral drug delivery technology ImSus® for the encapsulation of active pharmaceutical ingredients in biodegradable polymeric nano- or microparticles.

ALRISE offers its technology and experience to pharmaceutical, biotech- and generic drug companies with the objective of developing new products or improving current products based on controlled release formulations.

Business Areas

The development of innovative solutions for target product profiles given by its partners is ALRISE's core competence. Services mainly apply to areas of:

- Formulation of New Chemical Entities (with drug developing companies)
- Reformulation of pharmaceutical products in the context of Product Lifecycle Management (with originators)
- Reformulation of off-patent drugs to develop super-generic products (with generics companies)

Founded: 2004 Employees: 11



AMP-Lab GmbH

Becherweg 9-11, 55128 Mainz
T +49-6131-26345-70 F +49-6131-3354-22
info@amplab.de
www.amplab.de



AMP-Lab is an independent laboratory for applied biological research in animal physiology and biochemistry. Our expertise and facilities meet services and products, currently available on different levels: identification of anti-angiogenetic leads, optimization of media for cell culture, characterization of enzymes and cell or tissue metabolism.

Founded: 2003 Employees: 6



AmpTec GmbH

Koenigstr. 4A, 22767 Hamburg
T +49-40-636747-22 F +49-40-636747-19
info@amp-tec.com
www.amp-tec.com



Custom-made Tools for IVD kits: AmpTec GmbH is a certified provider (ISO 13485 and cGMP) of custom-made long synthetic RNAs. Applications include the development and production of diagnostic kits (viral RNAs, mRNA mutants in Companion Diagnostics), highly modified synthetic mRNAs for reprogramming of cells, dsRNAs in gene silencing. Any requested sequence (size range of ~100 to 1000 nucleotides) can be provided, only a text file with the sequence is needed.

Founded: 2005 Employees: 8



AMS GmbH

Am Exerzierplatz 2, 68167 Mannheim
T +49-621-70095-100 F +49-621-70095-140
ams@ams-europe.com
www.ams-europe.com



An advanced team for outstanding benefits: Founded in 1997, AMS established itself as advanced services company for Clinical Research and Marketing & Sales. When customers talk, we are 'all ears' – AMS is a place where customer focus comes naturally. This focus has been constantly promoting company development, leading to an outstanding track record of repeat business indicating a high level of customer satisfaction. AMS stands for strong operational knowledge and systematic team approach.

Marketing & Sales

AMS offers solutions in the area of sales, e.g. when you have to avoid an acute loss of revenue by filling a vacancy quickly with a well profiled rep, when you would like to test a market with few reps for a limited time, when you want to boost penetration with a big sales force – you choose from a pool of carefully selected sales force members.

Clinical Research

AMS provides full Clinical Research including Post Marketing Services with global reach and a special focus on Europe.

Founded: 1997 Employees: n/a



analyze & realize AG

Waldseeweg 6, 13467 Berlin
T +49-30-4000-8100 F +49-30-4000-8426
contact@analyze-realize.com
www.analyze-realize.com



a&r provides consulting services worldwide to pharmaceutical, supplement, and functional food companies concerning natural products.

We offer full-service competency in all areas of analysis and realization: from portfolio analysis through individual product development or the performance of clinical studies to new marketing and business strategies – with us you are always a step ahead of the competition.

Consulting

Strategic advice, project management, market analysis, positioning, new concept generation, feasibility, patents and licensing to the best potential partner, and

regulatory affairs with emphasis on opportunities for health claims, novel foods, traditional herbal products and medical devices.

Clinical studies

We are a certified CRO with our own examining physicians.

Medical Writing

Literature research, expert reports, articles, books and other publications.

Founded: 1997 Employees: 35



Antiinfectives Intelligence GmbH

Von-Liebig-Str. 20, 53359 Rheinbach
T +49-2226-908-911 F +49-2226-908-918
info@antiinfectives-intelligence.de
www.antiinfectives-intelligence.de



Antiinfectives Intelligence is a service provider specialized in the area of antiinfectives. The company offers Investigations of the in-vitro activity of antibiotics, the pharmacodynamics of antibiotics simulating human or veterinary pharmacokinetics in in-vitro models, the development of the resistance of bacteria to antibiotics and the development or management of resistance surveillance studies. Antiinfectives Intelligence also offers communication services and training courses.

Moreover, it provides microbiological investigations of quality control throughout the entire life cycle of medicinal products according to the guidelines of the European Pharmacopoeia.

Founded: 2000 Employees: 10



AptaRes AG

Tempelhofer Weg 11-12, 10829 Berlin
T +49-30-245376-13 F +49-30-245376-22
info@aptares.de
www.aptares.de



AptaRes is a leading biotechnology company providing oligonucleotide aptamers as an alternative to common antibodies. We offer high resolution bioanalytics and the technology for downstream processing for immunoglobulins using an IgG Fc-specific binder (like protein A).

A quality management system enables transparent, validated and reproducible processes. We use the proprietary MonoLex selection protocol to discover aptamers with high affinity/slow dissociation to a target molecules. Aptamers show protease stability, high temperature resistance, stability and refolding after pH treatment, ease of large scale production by chemical synthesis, and site-directed coupling of chemical modi-

fications. The bioanalytical service includes large scale 2D-gel electrophoresis, mass spectrometry, functional tests and more. The protocols are custom tailored to validate product identity, quantitate side products, and validate processes as well as binding specificities of antibodies and aptamers.

Founded: 2002 Employees: 18



ARTES Biotechnology GmbH

Elisabeth-Selbert-Str. 9, 40764 Langenfeld
T +49-2173-275-870 F +49-2173-275-8777
info@artes-biotechnology.com
www.artes-biotechnology.com



ARTES Biotechnology GmbH provides proprietary technologies and specialized service in the area of recombinant production cell lines and processes based on microbial expression platforms.

In addition to IP protected expression platforms the company offers tools for optimization of secretion in yeast. ARTES excels with outstanding experience in contract R&D and with a track record of internationally approved clients' products. The offer includes genetic

engineering, up- and downstream process development and protein analytics. ARTES successfully applies its technology platforms for the production of pharmaceutical proteins, industrial enzymes, cosmetics, vaccines, peptides and whole-cell biocatalysts.

Founded: 2002 Employees: 20



Artesan Pharma GmbH & Co. KG

Wendlandstr. 1, 29439 Lüchow
T +49-5841-93-0 F +49-5841-939-201
info@artesan.de
www.artesan.de



Artesan Pharma is a medium-sized company with some 200 employees who are currently employed at two locations in Lüchow, on Wendlandstraße – plant I – and on Albrecht-Thaer-Straße – plant II.

The focuses of the company's activities are on the production of solid and semi-solid dosage forms. We concentrate on contract manufacturing activities servicing a niche market.

The range of services comprises

- Pharmaceutical formulation
- Analytics
- Stability tests

- Creation of marketing authorisation documents
- Initial production/scale-up
- Contract manufacturing

We regard ourselves as a pharmaceutical service provider for the contract manufacturing of drugs and food additives.

Our top priority is an open and equal relationship with our customers.

Founded: Employees: 200



ASCA GmbH

Magnusstr. 11, 12489 Berlin
T +49-30-6392-2070 F +49-30-6392-4103
asca@asca-berlin.de
www.asca-berlin.de



Angewandte Synthesechemie Adlershof

ASCA provides the pharmaceutical industry, crop protection and biotech companies with a partner for the synthesis and optimisation of lead structures. We supply novel and practicable solutions for the development of new active structures, and check these on a laboratory scale. We take a lot of care on working out the synthetic schemes, rapid preparations and exact analysis of the samples. As a distinguishing mark of the company, all our results are carefully documented for our customers. Because of their broad and long

experience our co-workers are able to solve synthetic problems quickly and successfully. ASCA offers an extension of our partners' preclinical research capacity. All results obtained are the exclusive property of our partners. We work on a full time equivalent basis, so that we can adapt very flexibly to any required changes in the projects.

Founded: 2000 Employees: 32



ATG:biosynthetics GmbH

Weberstr. 40, 79249 Merzhausen
T +49-761-8889-424 F +49-761-8889-425
info@atg-biosynthetics.de
www.atg-biosynthetics.com



ATG:biosynthetics is a synthetic biology company located in Merzhausen near Freiburg. We are experts in combinatorial gene design and multi-gene expression and offer multi-gene and multi-peptide expression products and services for R&D:

- Multi-protein recombineering and expression systems for E.coli, insect and mammalian cells
Tailor-made expression systems for other (micro) organisms
- Multi-peptide library design tool as well as multi-peptide library construction and expression system (PepID)

- Gene intelligence solution EvoMAG for multi-parametric gene / gene cluster design and optimization in diverse target organisms (metabolic engineering, etc.)
- Gene synthesis of individual genes and gene clusters
- Synthetic biology projecting and consulting from design to (multi-gene) expression strategy

ATG also is looking for strategic partnerships and outsourcing projects that aim at developing and marketing high-potential applications, e.g. DNA- and protein based vaccines.

Founded: 2001 Employees: 7



Aurigon Life Science GmbH

Bahnhofstr. 9-15, 82327 Tutzing
T +49-8158-2597-30 F +49-8158-2597-31
info@aurigon.de
www.aurigon.de



Aurigon Life Science is an independent privately-owned contract research institute dedicated to non-clinical services for human and veterinary pharmaceuticals, food and chemicals. Aurigon provides the full range of experimental and advisory services in pharmacology, ADME/PK, bio-/analytics and toxicology. From early phase product efficacy and safety evaluation to regulatory toxicology and late stage pre-marketing testing, we cover all areas of non-clinical development. We have extensive experience in working with a broad variety of molecules and we are specialised in biologics like peptides and proteins, antibodies, biosimilars, RNA and DNA, vaccines and cell therapy.

Services of Aurigon include:

- ADME/PK
- Pharmacology, efficacy testing, safety pharmacology
- Biological activity testing, bioassays, batch release
- Analytics
- Toxicity testing (genetic toxicology, general toxicology, immunotoxicity, reprotoxicity, carcinogenicity)
- Consultancy
- Archiving

Founded: 2000 Employees: 85



Autodisplay Biotech GmbH

Merowinger Platz 1a, 40225 Düsseldorf
 T +49-211-99459-650 F +49-211-99459-636
 info@autodisplay-biotech.com
 www.autodisplay-biotech.com



Autodisplay Biotech GmbH is a company commercializing its proprietary expression platform for the display of heterologous proteins or peptides on the surface of *E. coli*. This surface display system has numerous advantages compared to established surface technologies. The proteins on the surface are immobilised and stabilised; they are fully accessible, and dimerization or aggregation of multi-protein complexes is possible. In addition, protein purification is very easy, the DNA is an internal label and *E. coli* is self replicating. Each *E. coli* could express a different protein on its surface, so the

technology can be used for screening – target structures can be selected using analytical methods such as fluorescence activated cell sorting (FACS). With these advantages Autodisplay is a new platform technology in biocatalysis, drug discovery, bioanalytics and antibody development.

Founded: 2008 Employees: 6



Baltic Analytics GmbH

Walther-Rathenau-Str. 49a, 17489 Greifswald
 T +49-3834-515-620 F +49-3834-515-622
 info@baltic-analytics.de
 www.baltic-analytics.de



Baltic Analytics is a service analytics laboratory for natural compounds, synthetic drugs, phyto pharmaceuticals with special know how at analytics of complex substance mixtures. Wide experience has made us to experts in modern analytics, metabolomics, proteomics, transcriptomics and bioactivity testing. Our service comprise: Structure analytics of complex bio molecules, investigation of metabolite mixtures, Structural and biological characterisation of single substances in mixtures of organic compounds

Founded: 2007 Employees: 2



Biaffin GmbH & Co KG

AVZ 2, Heinrich-Plett-Str. 40, 34132 Kassel
T +49-561-8044-668 F +49-561-8044-665
info@biaffin.de
www.biaffin.com, www.proteinkinase.de



Biaffin is a leading provider of bioanalytical services for biomolecular interaction analysis using SPR technology (Biacore) in Europe.

Our advantages are:

- Strong expertise and knowledge in SPR technology to kinetically characterize any pair of interacting molecules
- Sufficient capacities in Biacore instruments to perform a number of projects in parallel and to obtain results in time
- Know-how in selection and kinetic validation of antibodies based on antigen and Fc receptor binding kinetics

- Determination of active concentrations using SPR-based calibration-free methods for QC
- Direct monitoring of small molecules binding kinetics to immobilized target proteins with focus on protein kinases
- Immunogenicity studies for real-time detection and isotyping of anti-drug antibodies using SPR
- Large portfolio of recombinant active and unactive kinases

Founded: 2001

Employees: 9



Bioassay GmbH

Im Neuenheimer Feld 515, 69120 Heidelberg
T +49-6221-43388-90 F +49-6221-43388-99
info@bioassay-online.de
www.bioassay-online.de



Bioassay GmbH is an independent contract laboratory, specializing in the development, validation and routine performance of bioanalytical assays in the area of pharmacology and toxicology. We carry out qualified analytical services on the sound basis of our GMP & GLP certification, which provides an excellent framework for successful projects and routine bioanalysis. Bioassay GmbH specializes in biological assays within the framework of the development & quality control of pharmaceutical and chemical products, and is focussing on potency assays under GMP as well as on safety assays under OECD guidelines (GLP).

Founded: 2002

Employees: 14



biometec GmbH

Walther-Rathenau-Str. 49a, 17489 Greifswald
 T +49-3834-515-620 F +49-3834-515-622
 witt@biometec.de
 www.biometec.de



The company is engaged in the development, production and distribution of research products for infection biology especially CD14, LBP and antibodies. In addition biometec offers a variety of laboratory and immunobiological services, generation of monoclonal and polyclonal antibodies, as well as in assay development, cell culture, animal studies, and immunological studies.

Founded: 1992 Employees: 3



BIOPHARM GmbH

Czernyring 22, 69115 Heidelberg
 T +49-6221-5383-0 F +49-6221-5383-20
 info@biopharm.de
 www.biopharm.de



BIOPHARM GmbH

With more than 25 years experience BIOPHARM is a well-known innovator in the field of human growth factors for Regenerative Medicine. With our Growth Factor Platform Technology offering versatile applications and two major license deals in place (Phase I/II and Phase III) BIOPHARM has proven its unique market position and strong innovation pipeline. In addition, Biopharm offers you a wide range of methods for a successful development of your product. Our developmental services cover the entire biotechnological chain from gene to protein including biosimilars and biobetters.

SYMBIOSIS – part of Biopharm GmbH

Our newly formed business division SYMBIOSIS offers versatile analytical and cell culture services including method development, analytical testing, validations and many more according to GLP and GMP. In either case, we guarantee our customers the highest amount of flexibility by offering modular customised solutions in a cost efficient way.

Founded: 1986 Employees: 35



Biosyntan GmbH

Robert-Rössle-Str. 10, 13125 Berlin
T +49-30-9489-3498 F +49-30-9489-3497
biosyntan@biosyntan.de
www.biosyntan.de



BIOSYNTAN is a company for the custom synthesis of bio-organic compounds. Main fields are the standard custom peptide synthesis and the development of special pathways for the synthesis of modified peptides and chemical modifications of nonpeptidic haptens for biomedical research.

Founded: 1997 Employees: 8



BIOTREND CHEMIKALIEN GmbH

Eupener Str. 157, 50933 Köln
T +49-221-9498-320 F +49-221-9498-325
jaeger@biotrend.com
www.biotrend.com



We provide custom synthesis of small molecules and labelling services

Basic Iodination

- Iodination (ca. 2 x 50 μ Ci[125I]) using Chloramin-T, Lactoperoxidase or Iodogen
- including HPLC purification
- Bollton-Hunter Iodination (ca. 2 x 50 μ Ci[125I])

[3H] Tritiation Service

Catalytic reduction with Tritium gas (Pd/C)
The Tritium labelling service includes the reaction of the precursor according to the method of choice as well as removing catalyst and labile tritium.

We also offer HPLC purification and characterisation of the final products according to GLP.
We encourage you to discuss your specific requirements with us.

Tritiation Handling System- [3H2]
Tritium Gas
Uranium Traps
Complete 3H-Technology (incl. dry HV-pumps)

Founded: 1988 Employees: 11



Bioworx

Volmerstr. 7b, 12489 Berlin
T +49-30-63921-041
info@bioworx.de
www.bioworx.de



BIOWORX provides services and productions for customers with a focus on biocatalysis and product synthesis of fine chemicals and biomolecules. The production of special enzymes and biomolecules for customers is also possible. A screening can be performed in microtiter plates, mini bioreactors and shake flasks. The process can be developed in a further scale-up to pilot scale.

BIOWORX runs contract development for customers on the basis of biocatalysis to produce samples and batch production of substances at a scale up to 50 kg with purities up to 99.5%.

Founded: 2004 Employees: 4



BLS Preclinical Services eK

Kaiserdamm 97, 14057 Berlin
T +49-30-3230-4291 F +49-30-3230-4292
info@bls-germany.com
www.bls-germany.com



BLS is a CRO located in Germany for conducting preclinical studies in animal models. BLS provides customers with a fast and reliable route to clinical phase I-II studies and offers a wide range of GLP and non-GLP pharmacokinetic studies, effect studies and other analyses essential in pharmaceutical development. BLS also serves medical device manufacturer with acute and chronic biocompatibility and functional testing in animals. As animal models uses BLS rodents, rabbits, dogs, sheep, goats, swine and minipigs.

The services of BLS include:

- Development of preclinical strategies
- Pilot in vivo studies
- Proof-of-concept studies
- Pharmacokinetic studies (PK)

- Metabolism (ADME)
- Behavior research
- Medical device implantation
- Biocompatibility testing
- Haematology
- Clinical chemistry
- Histology
- Histomorphometry
- Micro-CT / MRT/ electron microscopy

If services regarding your specific needs are not represented above please contact BLS for a custom-tailored in-vivo study.

Founded: 2007 Employees: 9



C.A.T. GmbH & Co. KG

Heerweg 10-12, 72070 Tübingen
T +49-7071-78323 F +49-7071-75163
jgerhardt@cat-online.com
www.cat-online.com



We offer chromatographic analyses as a service to our customers, specializing in the analyses of peptides, amino acid derivatives and other chiral substances. We are inspected by FDA as well as German Authorities in respect of GMP requirements.

We offer:

Reliable determination of the enantiomeric purity of and concentration in a variety of matrices via GC-MS using deuterated reagents.

Peptide sequencing, determination of the molecular masses of peptides and identification of side products by MSn and HPLC-MSn .

Amino acid analysis via Enantiomer Labeling with extremely high reliability.

Determination of water content, solvent residues and counter ions with minimal sample consumption.

Our customers can rely on efficient analyses of samples using validated methods. Validation reports can be issued for specific substances. Fulfillment of the requirements of GLP quality control has always been of prime concern in our company.

Founded: 1984 Employees: 13



caprotec bioanalytics GmbH

Volmerstr. 5, 12489 Berlin
T +49-30-6392-3990 F +49-30-6392-3989
info@caprotec.com
www.caprotec.com



caprotec bioanalytics GmbH has developed a groundbreaking, proprietary technology to reduce the complexity of protein mixtures in a targeted and directed manner. This technology – Capture Compound Mass Spectrometry (CCMS) – is based on trifunctional Capture Compounds™ which enable capturing, isolating and identifying proteins based on their functionality or on their specific interactions with small molecules.

The company is commercializing its CCMS technology through ImproMed™ projects with pharmaceutical and biotechnology companies. The focus in those collaborations is on investigating mechanisms of drug action (MoA), and identification of on- and off-target proteins to understand potential toxic or adverse effects of drug

candidates on a molecular level. In addition, caprotec is commercializing CCMS as caproKit™ reagents for research applications in the life science area which target major research areas, including protein kinases, signal transduction and epigenetics.

Founded: 2007 Employees: 26



Cardiac Research GmbH

Otto-Hahn-Str. 15, 44227 Dortmund
 T +49-231-974261-50 F +49-231-974261-51
 dialog@cardiacresearch.de
 www.cardiacresearch.de

Cardiac Research



Cardiac Research GmbH is one of the leading Site Management Organisations (SMOs) and offers excellent core competencies in the fields of professional organisation and implementation of clinical phases II-IV trials. The special fields are primarily cardiology and surgery for the heart, thorax and vessels, as well as oncologic, orthoedic and neurologic trials.

With more than ten years experience as a site management organization, over 400 studies have been initiated at seven locations. The highly skilled and specialized workers, ensuring the best quality of data is guaranteed at all times."

The company cooperates with several Medical Centres in the state North Rhine Westphalia like Dortmund, Bielefeld, Bad Rothenfelde, Warendorf, Lippstadt, Essen and Gelsenkirchen.

Founded: 2002 Employees: 35



Carpegen GmbH

Mendelstr. 11, 48149 Münster
 T +49-251-980-2320 F +49-251-980-2321
 info@carpegen.de
 www.carpegen.de



Carpegen is a provider of high quality molecular diagnostics. The company focuses on developing real-time PCR assays and point-of-care diagnostic systems for the diagnosis of specific infections.

A main objective of Carpegen's research programme is to develop and out-license point-of-care diagnostic systems. A joint project related to the development of a mobile diagnostic system for the dental office is currently being pursued with financial support of the German Federal Ministry of Education and Research.

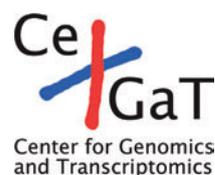
Carpegen has developed Carpegen® Perio Diagnostics, a powerful real-time PCR assay system that sets new standards in microbiological periodontal diagnostics. As an accepted diagnostic test, it is widely used by European dentists to optimize the treatment of periodontal disease.

Founded: 2001 Employees: 10



CeGaT GmbH

Paul-Ehrlich-Str.17, 72076 Tübingen
T +49-7071-565-4400 F +49-7071-565-4422
info@cegat.de
www.cegat.de



Molecular Diagnostics: Genetic testing of single genes (PCR, qPCR, Sanger-Sequencing, Deletion Analysis, etc.), interpretation of data, issuing of a medical report

Next-Generation-Sequencing: Sequencing of genomes, exomes, transcriptomes, etc on SOLiD Technology (SOLiD 5500xl, SOLiD 4, IonTorrent), full bioinformatic analysis

Diagnostic Panels: Massive parallel sequencing of ALL genes related with a certain disease via Next-Generation-Sequencing, validation of variants via Sanger-Sequencing, analysis of data, issuing of a medical report:

Our Panels are:

- ALS, FTD, Dementia, Parkinson Syndrome, Dystonia, Neuroakanthocytosis and NBIA: 7 Panels – 280 genes
- Epilepsy & Metabolic Disorders: 20 Panels – 327 genes
- Hereditary Eye Diseases (Retina & Retina All): 15 Panels - 206 genes
- Neuromuscular Diseases: 10 Panels – 500 genes
- Hereditary Hearing Diseases: 3 Panels – 80 genes
- Pharmacogenomics Panel: introduction mid of 2012

FISH: Customized development of FISH Assays

Founded: 2009 Employees: 25



Celares GmbH

Building D80, Robert-Rössle-Str. 10, 13125 Berlin
T +49-30-9489-2350 F +49-30-9489-2351
info@celares.com
www.celares.com



PEGylation is an established tool to increase potency, half-life and solubility of biopharmaceuticals. Celares GmbH offers customized PEGylation services for the development of PEGylated drugs comprising

- Development of PEGylation process
- Process development for the production of PEGylated drugs
- Development of analytical methods for PEGylated drugs
- Production of Proof-of-Concept material
- Manufacturing of activated PEG in GMP-quality

For research and development of therapeutics

- Synthesis of tailor-made PEG-reagents
- PEGylation screening and characterization of conjugates
- Optimization of PEGylation and purification process
- Development and pre-validation of analytical methods
- Supply of PEGylated drugs for in-vitro and animal studies

Founded: 2003 Employees: 20



cellasys GmbH

Karlstr. 96, 80335 München
T +49-89-2000110-74 F +49-89-2000110-76
info@cellasys.com
www.cellasys.com



cellasys offers system solutions for online analysis of living cells. These include services as research and development, production and maintenance of cell based assays. Furthermore we are consultant for development of applications, data analysis and data interpretation.

The cell based assays monitor different parameters directly at living cells. These parameters are extracellular acidification (pH), cellular respiration (pO₂) and morphology (impedance) of the cells.

The measurement is label-free, parallel, continuous and in real-time. With this cell based assays one can e.g. determine the efficiency of a drug outside of humans (or animals) prior to the start of the therapy.

Founded: 2007 Employees: 4



CellSystems GmbH

Langeler Ring 5, 53842 Troisdorf
T +49-2241-25515-0 F +49-2241-25515-30
info@cellsystems.de
www.cellsystems.de



CellSystems GmbH is a biotech company based in Germany in the Cologne/Bonn region. Since 1992 we provide highly sophisticated products for the bio-medical research community. In 2000 we started marketing reconstructed skin which was developed and produced in our own laboratories. The 3D human organotypical cultures are well established research tools for the cosmetics industry as well as models for in vitro toxicity testing as alternatives to animal testing. The mass production is carried out in state of the art clean room facilities which meet the highest standards (clean room class B) under GMP like conditions. For marketing our highly trained international sales force is active Europe wide.

We are looking for partners who need a manufacturing site for cell based models or a site for contract development and contract testing in the heart of Europe. We are interested in licensing in know how to expand our portfolio.

Founded: 1992 Employees: 15



CellTrend GmbH

Im Biotechnologiepark, 14943 Luckenwalde
T +49-3371-681-290 F +49-3371-681-312
info@celltrend.de
www.celltrend.de



CellTrend is an innovative certified (ISO 9001, ISO 13485) biotech company. We offer the following technologies and services:

- Development, production and distribution of immunoassays for diagnostic and research
- Cell culture assays for drug research (bioactivity assays): Screening, lead optimization, drug development
- Chemosensitivity assays for individual optimization of chemotherapy
- Methodes for personalized medicine, biomarker development

All know-how is available for contract services:

- Development of assays and kits
- Contract research
- Contract production (OEM)
- Contract analysis
- Consulting (Quality Management, Qualified Person, technical files)

Founded: 1998 Employees: 8



CenTrial GmbH

Paul-Ehrlich-Str. 5, 72076 Tübingen
T +49-7071-9992-0 F +49-7071-9992-299
sekretariat@centrial.de
www.centrial.de



CenTrial GmbH was established in 2000 as the independent contract research organisation of the University Hospital in Tübingen. In 2006 the University Hospital in Ulm also became involved in the company. The company has been certified in compliance with DIN EN ISO 9001 for all its business segments since 2004. CenTrial GmbH conducts your clinical trials according to international standards, such as the Good Clinical Practice guidelines (ICH-GCP).

In our capacity as a CRO CenTrial GmbH supports both Investigators Initiated Trials (IIT) and clinical trials on behalf of the pharmaceuticals and medical devices industries.

Being a part of the University Hospitals Tübingen and Ulm CenTrial GmbH has direct access to the experts and medical facilities based there.

We support clinical trials in all indications. Our scope of performance includes consulting and services for all types of trials as well as training of study personnel.

Founded: 2000 Employees: 45



ChemCon GmbH

Engesserstr. 4b, 79108 Freiburg
T +49-761-5597-0 F +49-761-5597-449
info@chemcon.com
www.chemcon.com



ChemCon GmbH is a leading global supplier of high-quality active pharmaceutical ingredients (API), located in Freiburg, Germany. The company is specialized on small molecule chemistry – organic, inorganic and bio-inorganic. Based around chemical development on various stages of drug development ChemCon offers an all-in-one-hand service including full analytical support, complete documentation and outstanding quality management.

Founded: 1997 Employees: 70



Chiltern International GmbH

Norsk-Data-Str. 1, 61352 Bad Homburg
T +49-6172-9443-0
info@chiltern.com
www.chiltern.com



Established in 1982, Chiltern is a leading global clinical CRO with extensive experience in the management of Phase I-IV clinical trials across a broad range of therapeutic areas, functional service provision and contract staffing solutions. Chiltern has conducted trials in more than 40 countries, employs around 1,300 people globally and offers services in Early Phase, Global Clinical Development, Late Phase, Biometrics, Medical and Regulatory Affairs and Resourcing Solutions. Chiltern prides itself as a development partner that offers flexibility, responsiveness and quality delivery. Further information is available at www.chiltern.com.

Founded: 1982 Employees: 1400



Chimera Biotec GmbH

Emil-Figge-Str. 76a, 44227 Dortmund
T +49-231-9742-840 F +49-231-9742-844
info@chimera-biotec.com
www.chimera-biotec.com



Immunoassay Sensitivity Delivered! Chimera Biotec is manufacturer and CRO for its proprietary Imperacer[®], ultra-sensitive ligand-binding assay (LBA) technology. On average Imperacer[®] delivers 1000-fold enhanced sensitivity in the clinical sample compared to standard LBA methods. PK, PD, ADA or biomarker: Take advantage of the most sensitive immunoassay system available.

Founded: 2000

Employees: 12



CONET GmbH

Amselstr. 25, 68307 Mannheim
T +49-621-789-7000 F +49-621-789-7010
info@conet-gmbh.de
www.conet-gmbh.de



CONET – Clinical Operations NETWORK
Your European Partner in Clinical Research

CONET GmbH is a private owned, well established full-service CRO based in Mannheim, Germany, with a representative office in Moscow, Russia. Since 1998, CONET is a reliable partner for global and nationally operating pharmaceutical, biotechnology and medical device companies requiring single or full service solutions in clinical trials phase I-IV and IITs for

- Regulatory affairs
- Project management
- Clinical monitoring, co-monitoring
- Clinical trial rescue service

- Audit and inspection preparation
- Drug safety
- Data management, statistics

CONET's broad study experience includes cardiovascular, oncology, rheumatology, bone metabolism, metabolic and infectious disease and pediatric clinical trials. CONET is committed to high quality, dedicated customer service, integrity and operational excellence.

Please contact:
info@conet-gmbh.de, www.conet-gmbh.de

Founded: 1998

Employees: 20



CCDRD AG

Fontanestr. 84-90, 15366 Neuenhagen
 T +49-3342-2379-0 F +49-3342-2379-16
 mail@ccdrdag.com
 www.ccdrdag.com



Full service CRO for Phase I-IV. Operating four Phase I (healthy volunteers) units in Bulgaria and Turkey with 100 beds in total. Conducting Phase III or Phase I in patients throughout Europe with focus Eastern Europe. Strategic alliances with 4 bioanalytical facilities in Europe. Scientific services, project coordination, datamanagement and medical writing located in Germany.

Founded: n/a Employees: n/a



Coriolis Pharma

Am Klopferspitz 19, 82152 Martinsried
 T +49-89-5424498-0 F +49-89-5424498-22
 info@coriolis-pharma.com
 www.coriolis-pharma.com



Coriolis Pharma is a globally operating independent service provider for research and (formulation) development of (bio)pharmaceutical drugs (proteins, peptides, monoclonal antibodies, RNA/DNA etc.) and vaccines.

An interdisciplinary team of highly qualified scientists with many years of experience in the development of (bio)pharmaceuticals supported by an expert scientific advisory board provides cutting-edge service and know-how related to the formulation development of biopharmaceuticals.

This may involve for example formulation development of (pre-)clinical material through to commercial products, lyophilization processes, stability testing (light obscuration, Micro-Flow Imaging and AF4/HF5 under cGMP), supply of pre-clinical material, and analytical services using innovative analytical technologies.

Founded: 2008 Employees: 13



CorTAG GmbH

Otto-Hahn-Str. 15, 44227 Dortmund
T +49-231-974261-80 F +49-231-974261-51
dialog@kortag.de
www.kortag.de



Gesellschaft für
molekulare Diagnostik

The CorTAG GmbH is committed to the development, validation and application of groundbreaking methods in the field of cardiogenetic diagnostics. These methods are extremely useful for the detection of genetic defects that underly a range of different, partially overlapping cardiovascular conditions such as Hypertrophic Cardiomyopathy (HCM), Dilated Cardiomyopathy (DCM), Long QT Syndrome and Marfan Syndrome.

CorTAG products are being designed to substantially reduce the costs associated with exhaustive gene screening. For example, the array-based resequencing assays provided by CorTAG enable the cost-effective generation of highly informative sets of genetic data which provide a basis, in conjunction with clinical data

sets, to nail down a suspected diagnosis and to tailor disease management to the specific need of an individual patient. Moreover, pre-symptomatic individuals at risk to develop a life-threatening cardiovascular condition can be identified in due time.

Founded: 2009 Employees: 5



CreLux GmbH

Am Klopferspitz 19a, 82152 Martinsried
T +49-89-700760-170 F +49-89-700760-222
schaeffer@crelux.com
www.crelux.com



CRELUX is a dedicated protein and protein crystallography service provider for the global pharma and biotech industry. CRELUX is fully independent of external shareholders and solely committed to long-term growth with all profit being re-invested into the business.

CRELUX is a client focused provider with a portfolio of premium drug discovery services based on a top level protein expertise. Our PRIME PROTEIN programs are advancing innovations in protein expression to promote the availability of high quality proteins. Our XPRESS portfolio of readily available crystallographic targets grants turn-around times of a few weeks. Our XPERT crystallography services from concept to high resolu-

tion complex structure are provided under tailored agreements. In addition we are offering compound and fragment screening by our screening technology INTRACT. And our I2C (idea to candidate) platform provides target to hit and concept to early development candidate discovery projects.

Founded: 2005 Employees: 27



CROLLL GmbH

Wörnitzstr. 115a, 90449 Nürnberg
 T +49-911-252688-0 F +49-911-252688-40
 katja.urzeda-dos-santos@crolll.de
 www.CROLLL.de



CROLLL is a full service CRO offering design, conduct, monitoring, and analysis of clinical trials in cooperation with industry, universities and physicians. Our first priority is the rapid and straightforward accomplishment of complete or partial solutions for trial phases II – IV in accordance with the regulations in order to meet the ambitious timelines of our clients.

Our main focus is on the following services: Design/project management/medical writing of clinical trials (industry/IIT/universities); preparation and submission at higher federal authorities and ethic committees, trial coordination (maintenance of TMF/ tracking/active pursuance of open issues/shipment of material/organization of central reading/patient

tracking/randomization, day-to-day operations and quick reaction to changes); monitoring (pre-trial monitoring and periodic monitoring). Our excellent quality of service is based on the personal commitment and motivation of our employees.

Founded: 1993 Employees: 35



Davids Biotechnologie GmbH

Röntgenstr. 3, 93055 Regensburg
 T +49-941-948228 F +49-941-9468119
 info@dabio.de
 www.davids-bio.de



Custom antibody development, polyclonal and monoclonal antibodies. Production of antibodies in cell cultures and bioreactors and purification of antibodies. Protein purifications. Protein production and purification in HEK and CHO cells after transient transfection. Cell based assays for personalized medicine.

Founded: 1996 Employees: 8



ElexoPharm GmbH

Im Stadtwald, Building A1, 66123 Saarbrücken
T +49-681-9102893 F +49-681-9102894
info@elexopharm.de
www.elexopharm.de



ElexoPharm is a company providing services for medicinal chemistry research for the pharmaceutical industry. We are focused on the discovery and optimisation of new drugs. Furthermore ElexoPharm runs an own drug development programme resulting in licence offers.

In order to obtain highly active and selective compounds with a convenient pharmacokinetic profile we are able to identify and to optimise the first biologically active hit compounds faster and more efficiently than others due to our long lasting experience in rational drug design. This ensures a quick development of new lead compounds.

Founded: 2005 Employees: 10



EMC microcollections GmbH

Sindelfinger Str. 3, 72070 Tübingen
T +49-7071-4074-0 F +49-7071-4074-22
emc@microcollections.de
www.microcollections.de



EMC focuses on the generation and biochemical investigation of biologically and pharmacologically relevant organic compound collections and provides a full range of medicinal, combinatorial and computational chemistry services. Based on bioorganic chemistry, chemical biology and immunochemistry EMC holds a leading position in the areas of methods development and high throughput synthesis of validated compounds. Furthermore, the company provides a powerful spectrum of custom specific peptide- and peptidomimetic synthesis and biochemicals for basic research. Efforts are concentrated to improve the lead finding success rate by rational and random search strategies.

EMC has leading knowledge in immunochemistry. Tools and methods include adjuvant evaluation, optimization and production, the development of therapeutic and prophylactic multi-component synthetic vaccines. EMC's third generation vaccines are developed on the basis of synthetic lipopeptides.

Founded: 1996 Employees: 20



emovis GmbH

Wilmsdorfer Str. 79, 10629 Berlin
T +49-30-3101-3610 F +49-30-3101-3633
info@emovis.de
www.emovis.de, www.studien-in-berlin.de



Emovis was established in 2001 in Berlin by several Physicians who already implemented clinical studies in different work areas a few years beforehand. The registered office is in the centre of Berlin, near by the Kurfürstendamm. The sleep laboratory also found its place at this location. We are conveniently situated for our patients and monitors.

Since September 2008 we're able to attend ambulant patients which became possible by a cooperation with the local St. Joseph Hospital in Berlin, Weißensee. We see ourselves as a "Test physician centre of special kind". In the past we were able to acquire an over-average amount of participants for various studies with innovative and very different ways of recruiting.

Founded: 2001

Employees: 13



Encepharm GmbH

Hans-Adolf-Krebs-Weg 9, 37077 Göttingen
T +49-551-305-409-912 F +49-551-305-409-911
fuchs@encepharm.de
www.encepharm.de



Encepharm is a specialist preclinical research organization offering in vivo pharmacology services with non-human primates, particularly with the common marmoset monkey. Encepharm's services focus on biomedical research for the non-clinical development and testing of pharmaceutical products (small molecules, biologics) comprising safety pharmacology, toxicology, metabolism, pharmacokinetics and pharmacodynamics. Additionally, Encepharm offers specific models for a variety of neurodegenerative and neuroinflammatory diseases, metabolic and eating disorders, aging and air way diseases.

The company combines leading knowledge in various research fields with long-standing experience in the development and application of functional research models and offers the full range of experimental and preclinical services from expert consultancy to target validation and drug candidate evaluation according to international quality standards.

Founded: 2004

Employees: 8



ENDOTHERM GmbH

Science-Park II, 66123 Saarbrücken
T +49-681-3946-7570 F +49-681-3946-7571
info@endotherm.de
www.endotherm-lsm.com

ENDOTHERM
LIFE SCIENCE MOLECULES

Serving as a contract research organization (CRO), Endotherm Life Science Molecules is a provider of medicinally relevant compounds for the discovery and development of novel small molecule drugs. The product range includes focused and diversified compound libraries, reference standards, building blocks and fluorescent probes for assay development.

In cooperation CompChem Solutions, a molecular modelling provider, rational drug design efforts are supported by computer assisted tools towards the design of focused compound libraries for hit-finding, hit-to-lead studies and lead optimizations.

Besides the support for projects in medicinal chemistry and exclusive synthesis of rare compounds for dedicated customers, approximately 2500 "inhouse-made" research chemicals can be selected from a continuously updated catalogue.

Founded: 1999 Employees: 8



Eurofins Medigenomix GmbH

Anzinger Str. 7a, 85560 Ebersberg
T +49-8092-8289-200 F +49-8092-8289-201
info@medigenomix.de
www.medigenomix.de/

 **eurofins** | Medigenomix

Eurofins Medigenomix is a competence center for genetic analyses of the Eurofins Scientific Group. The company expanded successfully their service portfolio by the addition of services in the areas of pharmacogenetics and pharmacogenomics.

Eurofins Medigenomix offers a comprehensive Pharma services portfolio for the entire drug development process, from preclinical research to clinical phase III trials e.g. DNA/RNA preparation for biobanking, genotyping, polymorphism screening, biomarker analysis, residual DNA testing, expression analysis, assay development & validation, transcriptome analysis, whole genome analysis and exclusive marker set for the general identification of responder/non-responder

in the scope of clinical studies. Eurofins Medigenomix is certified according to ISO 9001 and ISO 17025, and audited by pharmaceutical clients for GxP.

Founded: 1997 Employees: 85



Eurofins MWG Operon

Anzinger Str. 7a, 85560 Ebersberg
T +49-8092-82890 F +49-8092-21084
info-eu@eurofins.com
www.eurofinsdna.com



Eurofins MWG Operon is a Member of the Eurofins Group and an international provider of genomic services established around the following core business lines:

- DNA & RNA Synthesis
- Next Generation Sequencing
- Custom DNA Sequencing
- Gene Synthesis
- siRNA Synthesis

Our main mission is focussed on customer convenience and high quality services in industrial scale for the life science industries and academic research institutions around the world.

www.eurofinsdna.com

Founded: 1990 Employees: n/a



Evotec AG

Essener Bogen 7, 22419 Hamburg
T +49-40-56081-0 F +49-40-56081-222
info@evotec.com
www.evotec.com



Evotec operates worldwide providing the highest quality stand-alone and integrated drug discovery solutions, covering all activities from target-to-clinic. The company has established a unique position by assembling top-class scientific experts and integrating state-of-the-art technologies as well as substantial experience and expertise in key therapeutic areas including neuroscience, pain, metabolic diseases as well as oncology and inflammation.

Founded: 1993 Employees: 610 (global)



EXcorLab GmbH

Industrie Center Obernburg, 63784 Obernburg
T +49-6022-81-2647 F +49-6022-81-2676
info@excorlab.de
www.excorlab.com



Since 1983 EXcorLab is engaged in membrane testing for medical and biotechnological applications. We have built up unique know-how in the fields of:

- Hemodialysis
- Nephrology
- Apheresis
- Blood / material interaction (inflammation)
- Blood Oxygenation
- Mammalian cell culture and bioreactors.

Our core competence is in clinical, laboratory, animal studies as well as in contract research and development. Currently, we provide our services to more than 20 pharmaceutical and medical technology companies in Europe, USA and Japan.

Founded: 2005

Employees: 13



epo GmbH

Robert-Rössle-Str. 10, 13125 Berlin
T +49-30-9406-2295 F +49-30-9406-3823
jens.hoffmann@epo-berlin.com
www.epo-berlin.com



EPO offers help in the preclinical pharmacology, pharmacokinetics and toxicology for the characterization of novel therapeutics and diagnostics.

The company has special experience in the development of new agents for oncology like:

- cytostatics
- biologicals, e.g. peptides, antibodies, (anti)-hormones
- immunomodulators, e.g. cytokines
- gene therapeutics

EPO develops tailor-made testing procedures considering special concepts or ideas of our partners and has modern laboratories licensed for animal experiments and gene technology [S2].

EPO offers a broad panel of murine and human tumour models growing in immunocompetent (SPF-quality, syngeneic strains) or immunodeficient (nude, SCID, NOD/SCID) mice. EPO has established imaging technologies to monitor in vivo tumor growth.

EPO answers questions concerning:

- mechanisms of tumour growth, involvement of biochemical and genetic markers
- mechanisms and prevention of metastasis
- in vitro & in vivo antitumor activity of new therapeutics

Founded: 1997

Employees: 25



FGK Clinical Research GmbH

Heimeranstr. 35, 80339 München
T +49-89-893-119-0 F +49-89-893-119-20
martin.krauss@fgk-cro.com
www.fgk-cro.com



FGK Clinical Research GmbH is a Europe-based full service Contract Research Organization with offices in Germany (HQ), Poland, Czech Republic, Hungary and UK. We provide full service for Phase II - IV clinical studies. Our international client base includes biotechnology, medical device, and pharmaceutical companies.

Main areas of expertise are oncology, CNS, hepatology and cardiology. FGK has the right size to handle multi-country, multi-center studies with hundreds of patients or single country studies with a few patients, but is still small enough to guarantee a personal service to the sponsor.

With our over 80 highly qualified medical, scientific and regulatory experts, we have all the knowledge and experience necessary to succeed in Europe and can guide you through the clinical trial process, from planning and approval to the final report.

Founded: 2002 Employees: 80



flyion GmbH

Waldhäuserstr. 64, 72076 Tübingen
T +49-7071-6888-30 F +49-7071-6888-399
info-at-flyion@flyion.com
www.flyion.com



flyion offers to draw up pharmacological profiles and also provides rapid, customer-specific hERG safety assessments.

flyion provides its experience and resources as a contract-based service, such as automated electrophysiology expression screening, profile creation for drugs, and safety pharmacology.

flyion has in-depth knowledge of the development of cell-based assays for ion channel screenings. Complementary services, such as production of stably-transfected, inducible cell lines are available.

Founded: 2001 Employees: 4



Genaxxon Bioscience GmbH

Söflinger Str. 100, 89077 Ulm
T +49-731-3608-123 F +49-731-3608-962
info@genaxxon.com
www.genaxxon.com



Genaxxon bioscience offers peptide and chemical synthesis service for research customers. Synthesis of peptides can be offered from 1 mg up to gram amounts. Peptides for Multiple Sclerosis and for Alzheimer research can be offered from shelf. Also cell penetrating peptides are offered from the shelf.

Custom made peptides can be delivered crude or up to 98%. We do offer also amino acid analysis based on post-column derivatisation of different samples for quantitation data or purity check.

Founded: 2002 Employees: 6



GeneWake GmbH

Floriansbogen 2-4, 82061 Neuried
T +49-89-74419-166 F +49-89-74419-164
info@genewake.com
www.genewake.com



GeneWake GmbH is a pharmacogenomics company with a sound scientific background in biomarker analysis in the field of oncology. Our mission is to realize a personalized and tailor-made cancer treatment by targeted analysis of relevant gene expression levels in tumour tissue and in circulating tumour cells in blood. By employing bioinformatical algorithms based on our knowledge in pathway structure and microarray data from public sources, biomarker screening can be limited to a low-density scale. The output of 10-20 potential genes can be used for patient stratification or therapy tracking.

In addition, GeneWake offers contract research like DNA and RNA sequencing (next generation sequencing) and annotation, SNP genotyping, mutation detection, multiplex PCR, kit development, immune histology and genotyping for clinical studies.

Founded: 2009 Employees: 6



Genomatix Software GmbH

Bayerstr. 85a, 80335 München
T +49-89-5997-660 F +49-89-5997-6655
info@genomatix.de
www.genomatix.de



Genomatix is one of the world's leading suppliers of technologies to analyze and interpret genomic data. Based on microarray experiments and NGS data sequencing analyses, our hard- and software solutions help to answer the typical questions posed by systems biology. Our approach: combine multiple lines of evidence to perform an integrated meta-analysis. Established and managed by a committed team of scientists, Genomatix works closely with key players in the field. Our aim: continuous expansion of scientific knowledge in order to generate innovative ideas for biological research.

At the heart of everything we do is our determination to play a part in finding more meaningful answers to biology's fundamental questions. Our methods enable industry professionals to interpret biomedical data at a sophisticated level. The results of these analyses increasingly find their way into tangible medical solutions.

Founded: 1997 Employees: 27



GENterprise GmbH

Johann-Joachim-Becher-Weg 30a, 55128 Mainz
T +49-6131-392-3277 F +49-6131-392-5397
info@genterprise.de
www.GENterprise.de



- Mouse/Rat Genotyping Service.
- Next Generation Sequencing On HiSeq and MiSeq Platform.
- Next Generation Library Construction.
- Bioinformatics. Sanger Sequencing Projects.
- Development of MS marker.
- Fragment length analysis.

Founded: 1998 Employees: 4



hameln rds gmbh

Langes Feld 13, 31789 Hameln
T +49-5151-581-216 F +49-5151-581-567
info@hameln-rds.com
www.hameln-rds.com



hameln rds is more than a conventional CRO. Besides its comprehensive portfolio of preclinical and clinical services hameln rds is helping and guiding companies on their way from the early stages of drug development towards the market entry. hameln rds operates a 18,000 m² competence center with an animal house, a hospital for clinical trials, fully-equipped labs for analytical and medicinal chemistry, microbiology as well as bioanalytics, galenics and regulatory affairs. If needed, especially for sterile parenterals hameln rds can even organize manufacturing of the finished dosage form at FDA level.

Founded: 2005 Employees: 200



Heidelberg Pharma GmbH

Schriesheimer Str. 101, 68526 Ladenburg
T +49-6203-1009-19 F +49-6203-1009-764
info@heidelberg-pharma.com
www.heidelberg-pharma.com



Heidelberg Pharma offers services for the pre-clinical development of anti-cancer and anti-inflammatory drugs to the pharmaceutical and biotech industry.

Our infrastructure includes laboratories for in vivo pharmacology, bioanalytics, molecular biology, and chemistry. Within the development process, we focus on lead optimization and pre-clinical drug profiling. During this procedure, our expertise in bioanalytical analysis, hand-in-hand with our in vitro and in vivo pharmacology capabilities, assures optimum results in form of qualified data, referenced against clinical standards, creative solutions and accurate reporting.

Founded: 2004 Employees: 36



humatrix AG

Carl-Benz-Str. 21, 60386 Frankfurt
 T +49-69-420886-0 F +49-69-420886-11
 info@humatrix.de
 www.humatrix.de



humatrix AG offers SNP-Genotyping for all kinds of studies and clinical trials. Our service covers support of target design, planning and organisation of logistics, reliable analytics and secure sample storage.

Founded: 2001 Employees: 8



IIT an der Universität Bielefeld GmbH

Universitätsstr. 25, 33615 Bielefeld
 T +49-521-106-2990 / -100775 F +49-521-106-2989
 service@iit-biotech.de
 www.iit-biotech.de



The IIT GmbH GB Biotech has long-time experience in the field of DNA sequencing within the small scale Sanger sequencing (i.e. ABI3730 devices) and in the modern field of high-throughput (HT) sequencing. For HT sequencing we can perform custom sequencing projects with the Roche 454 Titanium FLX(+), the Illumina GA IIx / MiSeq or the IonTorrent PGM. The IIT Biotech provide the following sequencing and bioinformatic services for data analysis (including de novo or resequencing of genomes, transcriptomes, metagenomes, exomes and SNP analysis):

- custom single scale DNA sequencing
- custom DNA services (cloning, libraries, DNA amplification)
- species identification (16S rDNA analysis)
- food GMO contaminant analysis
- de novo genome HT sequencing (454 GS, PGM)
- resequencing of genomes (MiSeq, PGM)
- metagenome HT sequencing
- transcriptome HT sequencing
- exome HT sequencing
- amplicon / plasmid / fosmid pool HT sequencing
- bioinformatics services
- genome data bases

Founded: 1995 Employees: 45



ikfe-CRO GmbH

Parcusstr. 8, 55116 Mainz
T +49-6131-57636-0 F +49-6131-57636-11
info@ikfe.de
www.ikfe.de



ikfe GmbH offers world-wide complete clinical trial services tailored to the special needs of the pharmaceutical customers and medicinal product developers. Our key strength is the high scientific expertise in the area of diabetes, endocrinology, cardiovascular disease and pharmacogenetics as well as the knowledge of the related markets. We offer first class services in the areas of clinical research, regulatory support and scientific marketing. We are also specialized in the strategic and regulatory planning and support of drug and device developments and in the conduct of scientific training programs, e.g. for managers or sales representatives. Our team of experts is comprised of physicians and natural scientists with long-lasting professional experience. In cooperation with the

European University of Applied Sciences in Cologne (EUFH), we offer a new extra-occupational training course to become Clinical Research Associate, which concludes with a Masters Degree in Clinical Research.

Founded: 1989 Employees: 110



Immundiagnostik AG

Stubenwald-Allee 8a, 64625 Bensheim
T +49-6251-7019-00 F +49-6251-8494-30
info@immundiagnostik.com
www.immundiagnostik.com



Immundiagnostik – Close to research, quick in routine Immundiagnostik AG, founded in 1986, is a globally operating diagnostics company represented in over 30 countries. We focus on the development and production of innovative immunoassays (ELISA, EIA) and other analytical detection methods (e.g. HPLC, LC-MS/MS and PCR) for medical routine and clinical research. Our mission is to provide effective tools for prevention, differential diagnosis and therapy monitoring of diseases. The product portfolio is completed by a broad range of antibodies and antigens as well as other applied science & research reagents. Our business relations include contract analyses for diagnostic laboratories and academic research institutions, esp. in context with clinical trials and companion diagnos-

tics. Multiple collaborations with pharmaceutical companies and a tight network with scientific organisations are the basis of our innovative product development.

Founded: 1986 Employees: 65



INDIVUMED GmbH

Falkenried 88, Haus D, 20251 Hamburg
 T +49-40-4133-830 F +49-40-4133-8314
 info-eu@indivumed.com, info-na@indivumed.com
 www.indivumed.com



Indivumed, a German ISO-certified biotech company based in Hamburg, Germany, maintains the world's leading tumor database and highest-quality biobank for the development of new cancer diagnostics and therapies, and provides state-of-the-art services for biomarker discovery based on viable primary human biospecimens. Indivumed's unique infrastructure consisting of partnering cancer clinics, a network of oncologists, its own highly trained study nurses who collect human specimens right in the surgery rooms, combined with its modern laboratories for tissue and cell culturing and molecular testing enables the identification of molecular realities as they display in the patient thereby minimizing misinterpretations due to post-operatively occurring molecular changes.

In addition, Indivumed's sister company Inostics (www.inostics.com) has specialized in DNA diagnostic testing services and products for circulating DNA plasma-biopsy.

Founded: 2002 Employees: 65



Inostics GmbH

Falkenried 88, 20251 Hamburg
 T +49-40-413383-90 F +49-40-413383-99
 info@inostics.com
 www.inostics.com



Mutation analysis from plasma and tissue DNA. Inostics currently provides pharmaceutical companies and research laboratories with molecular assays for the detection of somatic mutations from plasma and tissue samples. This particular form of testing service can be used to accelerate the development of therapies by improving patient stratification, drug safety assessment and response, as well as resistance monitoring.

Founded: 2009 Employees: n/a



INTERLAB GmbH

Bayerstr. 53, 80335 München
T +49-89-741393-0 F +49-89-741393-39
info@interlab.de
www.interlab.de



INTERLAB, an independent CENTRAL LABORATORY, supports regional, international and global clinical trials for pharmaceutical and biotechnology companies. INTERLAB has developed into a worldwide lab network covering Europe, North and South America, Australia, Africa and Asia including India and China. The international head office is located in Munich, Germany.

- Visit-specific kits to ease sample handling at sites
- Cost-effective shipment logistics worldwide: ambient, refrigerated, frozen conditions
- Flexible data management and transfer
- All lab data collected worldwide in one single global database

- PIP: expertise in supporting pediatric clinical trials with minimum blood volumes
- Storage capabilities for frozen samples
- Analytical methods in all therapeutic areas are available
- In Europe, over 15,000 samples/day and 300 staff; 50,000 samples/day and over 6,000 staff worldwide
- Global SOPs, EC/ISO15189
- Periodic cross-validation and internal audits

Founded: 1994 Employees: 295

Target
Discovery

Target
Validation

Hit
Identification

Lead
Optimisation

Preclinical
Studies

Clinical
Trials

Iris Biotech GmbH

Waldershofer Str. 49-51, 95615 Marktrewitz
T +49-9231-9619-73 F +49-9231-9619-99
info@iris-biotech.de
www.iris-biotech.de



We supply reagents for Drug Discovery, Drug Delivery, and Diagnostics from grams to multi-ton lots:

1. Starting Materials for Peptide Synthesis, Peptidomimetic and Medicinal Chemistry:
Protected Amino Acids, Coupling Reagents, Linkers and Resins, Natural and Unusual Amino Acids and Building Blocks.

2. Technologies for Drug Delivery:
More than 500 different PEGylating.
PASylation for improving the pharmacokinetic properties of biopharmaceuticals produced by recombinant techniques.

PGA Poly[glutamic acid] a modern drug carrier system particularly for small drug molecules.

3. Reagents for Life Sciences and Diagnostics:
Enzyme Substrates and Special Proteins, Diagnostic and Biochemistry Tools;
Natural Products, with biological and pharmacological activity;
Carbohydrates;
Dyes and Fluorescent labels for Peptide Synthesis and Molecular Biology;
Unusual and innovative enzymes and immobilised enzymes for modern biocatalysis.

Founded: 2001 Employees: 10

Target
Discovery

Target
Validation

Hit
Identification

Lead
Optimisation

Preclinical
Studies

Clinical
Trials

JPT Peptide Technologies GmbH

Volmerstr. 5 (UTZ), 12489 Berlin
 T +49-30-6392-5500 F +49-30-6392-5501
 peptide@jpt.com
 www.jpt.com



JPT Peptide Technologies is an ISO 9001 certified provider of innovative peptide products and services and a partner for research projects in Peptide & Seromarker Discovery, Hit to Lead / Qualification and Peptide Optimization.

Our experience finds application in peptide based drug and vaccine projects, in the discovery of peptidic additives, in the development of affinity ligands, as well as in content determination for novel immune diagnostics.

JPT is the preferred partner for peptide related projects because of its:

- Proprietary technological synthesis and screening basis
- Integrated in-house R&D team for organic & medicinal chemistry, bioinformatics, structural biology, data management and assay development
- Solid track record of successful R&D projects
- ISO 9001:2008 and GCLP regulated quality assurance system
- Flexible business arrangements for collaborative projects
- Work force of 50 highly trained and skilled employees

Founded: 2004 Employees: 45



LAT GmbH Dr. Tittel

Am Haag 4, 82166 Gräfelfing
 T +49-89-858967-0 F +49-89-858967-111
 info@lat-gmbh.de
 www.lat-gmbh.de



LAT has more than 30 years experience both in routine testing and method development.

We offer a wide range of services: Pharmacopeial Tests (Ph. Eur., USP, BP, Ph. Eur.), Characterisation of Raw Material, writing of DMF (Drug Master Files), Characterisation of Reference Standards, writing of Monographs, Development of analytical methods (identity, assay, related substances, dissolution), Validation of analytical methods according to ICH guidelines, Analysis of residual solvents, ethylene oxide, "unknown" peaks. Stability testing according to ICH-guidelines, Compilation and revision of marketing authorisation dossiers (CTD, eCTD, IMPD, ASMF/US-DMF). Compilation of dossiers for CEP application at the EDQM."

Founded: 1978 Employees: 40



Lead Discovery Center GmbH

Otto-Hahn-Str. 15, 44227 Dortmund
T +49-231-9742-7000 F +49-231-9742-7039
info@lead-discovery.de
www.lead-discovery.de



Active in the field of pharmaceutical research, the LDC transforms promising early-stage projects into pharmaceutical leads being a prime source for external innovation. The LDC is committed to highest industrial quality standards for its lead products. All leads offered for out-licensing come with proof-of-concept in animal models, solid IP protection and professional in-depth data packages, enabling a smooth transition into an industry partner's lead optimization and drug development pipeline. Focusing on small molecules, the LDC conducts lead generation projects originating from academic groups as well as industry and sustains a preferred partnership with the Max Planck Society. Projects are developed in close collaboration with the project initiator who is generally

one of the key opinion leaders in the respective field. The LDC offers core expertise in Cellular Biology, Assay Development & Screening, Pharmacology and Medicinal Chemistry.

Founded: 2008 Employees: 46



LipoFIT Analytic GmbH

Josef-Engert-Str. 9, 93053 Regensburg
T +49-941-698091-00 F +49-941-698091-01
christiane.proll@lipofit.de
www.lipofit.de



LipoFIT develops and offers innovative applications and products based on metabolomics in various industrial sectors, e.g. health. The company is a pioneer in extracting information from huge amounts of data by data mining and in house software development to interpret complex, highly dynamic metabolic networks. Based on this expertise, LipoFIT is committed to bring novel diagnostic and therapeutic approaches to the patient (e.g. in the fields of oncology, nephrology and transplantation) and support companies in clinical trials and in drug discovery. LipoFIT uses a HT-capable NMR platform that allows for the simultaneous capture of all organic substances in a given sample. The NMR analysis process is highly standardized and automated - from sample preparation to the interpretation of data

by using own databases and in-house developed software algorithms. LipoFIT built up the complete workflow to answer complex questions of its customers and cooperators at highest quality standards.

Founded: 2004 Employees: 24



LOGOPHARM GmbH

Schloßstr. 14, 79232 March
T +49-761-203-5127 F +49-761-203-5191
info@logopharm.com
www.logopharm.com



Our proprietary technologies include the CompleXio platform for identification of protein-protein interactions in native tissue, microproteomic analysis with ultimate sensitivity and label-free quantitative mass spectrometry. The used strategies are broadly applicable to targets and biomarkers, require very small amounts of sample and show a low error. Based on this we offer advanced proteomic services and R&D technology:

- target and co-target characterization in native tissues and screening cell lines
- identification of protein-protein interactions, protein networks and molecular pathways
- in-vitro profiling of antibodies (relative affinity, specificity, selectivity)

- functional annotation of unknown proteins
- mass spectrometric quantitative analysis of proteins and protein complexes
- identification of biological surface markers
- screening tools (membrane preparations, purified target proteins, ComplexioLyte buffers, antibodies)

Founded: 2005 Employees: 5



Mediconomics GmbH

Misburger Str. 81B, 30625 Hannover
T +49-511-560998-0 F +49-511-560998-20
info@mediconomics.com
www.mediconomics.com



Mediconomics® is as an established service provider and offers brainpower and dedicated problem solving since more than 12 years. For national and international clients successful projects have been performed and generated long-standing business relationships.

The services comprise:

Clinical Trials: Phase I – IV/Protocol/CRF/Monitoring/Project Management/Final Report

Non Interventional Studies/Peri Approval/Post Marketing/Pharmacovigilance Studies

Regulatory Affairs: Consulting/Medical Writing/ Submission/(e)CTD

Data Management: eCRF/CRF Databases/Coding/ Statistics

Special Services: Risk Management System/Medical Devices

Pharmacovigilance: Consulting and Reporting

Founded: 1999 Employees: 10



MEDICRO GmbH

Gleißbühlstr. 7, 90402 Nürnberg
T +49-911-239806-0 F +49-911-239806-29
office@medicro.eu
www.medicro.de



MEDICRO is a full service CRO covering following types of studies:

Investigator Initiated Trials (IIT), Interventional Studies Phase I – IV, Medical Device Trials (MPKPV & EN 14155),

Non Interventional Studies: Post Marketing Observational Studies (AWB)/Post Marketing Surveillance Studies (PMS)/Post Authorization Safety Studies (PASS)/Drug Utilization Studies (DUS)/Non Inferiority Studies and QoL-Studies e.g. Patient Diary based.

MEDICRO provides following services: Quality Assurance, Clinical Monitoring, Project Management, Regulatory Affairs, Medical Writing, Clinical Trial Management, Regulatory Affairs, Clinical Trial Management

MEDICRO Special Services: Own Seminar Center for CRA, PI, SI, SC, SN Training (in-house or in Nuremberg) plus own Certified Translation Service

Founded: 2001 Employees: 8



Medicyte GmbH

Im Neuenheimer Feld 581, 69120 Heidelberg
T +49-6221-72925-30 F +49-6221-72925-31
bd@medicyte.com
www.medicyte.com



Medicyte is a life science company specialized in the controlled, scalable propagation and standardization of quasi (human) primary cell products.

Medicyte has the solution and offers fee-for-service to produce upcyte® cells on your demand. You only have to provide us with your favoured human primary cells. Medicyte will apply its proprietary and novel upcyte® technology and is able to produce large batches of quasi primary cells from your donor. The cells will be shipped back to you as cryopreserved vials in one shipment or in multiple partial shipments if preferred. Moreover, we would be pleased to reserve large batches for you.

We have already successfully upcyted the following cells:

- Chondrocytes
- Fibroblasts
- Adult stem cells
- Stellate cells
- Proximal tubular cells
- Aortal endothelial cells
- Hepatocytes
- Microvascular endothelial cells
- Keratinocytes

If you would like more information do not hesitate to contact us: bd@medicyte.com

Founded: 2007 Employees: 14



Medidata

Max-Stromeier-Str. 166, 78467 Konstanz
T +49-7531-9423800 F +49-7531-52782
info@medidata.de
www.medidata.de



MEDIDATA GmbH is an independent, privately owned, contract research organization (CRO) that has been providing end-to-end services for phase I to phase IV clinical trials and for observational studies for more than 25 years. Since 1995, we have also excelled in trials involving medical imaging (oncology, neurology, radiology) and in trials with medical devices.

We are proud to be among the very few CROs worldwide whose range of services covers all tasks in pharmaceutical or medical device studies, even including the responsibilities of an Imaging Core Lab (ICL). For almost any trial you can think of, we provide the expertise you need for turning data into results.

MEDIDATA GmbH combines experience with the quality, dedication, and flexibility of a mid-sized organization. Our continuously high level of service quality has nurtured long-standing partnerships with leading sponsors.

Founded: 1985 Employees: 70



menal GmbH

Im Hausgrün 15, 79312 Emmendingen
T +49-7641-9333-46 F +49-7641-9333-489
info@menal.de
www.menal.de



menal GmbH is a family-run business. Our Customers' success is our main priority. Since its foundation in 1982, menal GmbH has stood for responsibility, integrity and reliability.

Great emphasis is placed on providing personal customer support from the outset of each project. Our work is performed for the customer under a "transparent lab" principle, which guarantees customer access to all data, at any time.

We are a strong and reliable partner for the pharmaceutical industry in bioanalytical research and contract analysis.

Individuality and flexibility are distinguishing factors for our lab. Personal contact and fast response times are important to enable our Customers to react swiftly to change.

Founded: 1992 Employees: n/a



Metabolomic Discoveries GmbH

Am Mühlenberg 11, 14476 Potsdam
T +49-331-95143882
info@metabolomicdiscoveries.com
www.metabolomicdiscoveries.com



Metabolomic Discoveries is a bioanalytical research and service provider. The metabolomic platform allows the analysis of thousands of biological small molecules (up to 1700 Da). The platform detects known compounds and unknown compounds and thus is a comprehensive and non-targeted platform. We employ accurate mass, high-resolution mass spectrometry instruments for robust and accurate identification of chemical entities in biological samples. The application range from mode-of-action, to metabolism and degradation towards biomarker and pattern identification. Further, methods for energy metabolites (ATP, ADP, NADH, FADH, sugar phosphates etc.), lipids and polar compounds are readily employed to understand biological mechanisms and to identify drug targets.

Founded: 2009 Employees: 12



Metronomia Clinical Research GmbH

Paul-Gerhardt-Allee 42, 81245 München
T +49-89-829265-100 F +49-89-829265-099
info@metronomia.net
www.metronomia.net



Metronomia Clinical Research is a mid-size European CRO, providing full- or tailored services in clinical trials phase I-IV and NIS, with special focus on e-clinical services, data management and biostatistics. Metronomia's mission statement is to improve and accelerate drug development by bringing together cutting-edge e-clinical technologies, well accepted study designs and pronounced customer orientation.

Metronomia has a proven track record in all major therapeutic areas (core indications: oncology, dermatology, transplantation, nephrology and pulmonary diseases).

Since more than 21 years our customers particularly esteem the high-quality and reliability of our data, our commitment to best service and outstanding flexibility, our stable project teams and the competitive cost-benefit ratio.

Founded: n/a Employees: n/a



MicroDiscovery GmbH

Marienburger Str. 1, 10405 Berlin
T +49-30-44350-900 F +49-30-44350-9010
info@microdiscovery.com
www.microdiscovery.com



MicroDiscovery develops software and quality-assured bioinformatics solutions in the areas of innovative diagnostics, biomedical research and personalized medicine. The portfolio includes bio-statistical data analysis and data management. Efficient proprietary algorithms are the basis for customer specific software development for In-vitro diagnostics and biomedical technology. Areas of application are the analysis of molecular and high-throughput data as well as image analyses and medical device control. Solutions can be developed as CE certified, FDA compliant (21 CFR part 11) and ISO 62304 compliant. We offer service and support in bioinformatics and biostatistics. We have experience in design, realization and evaluation of preclinical and clinical studies to find and validate

biomarkers. This also includes the implementation of dedicated algorithms. In the fields of Genomics, Proteomics and Metabolomics we provide data integration, database development and data mining.

Founded: 2000

Employees: 16



Micromun GmbH

Walther-Rathenau-Str. 49a, 17489 Greifswald
T +49-3834-515-600 F +49-3834-515-605
micromun@micromun.de
www.micromun.de



MICROMUN GmbH is a specialised private laboratory which offers complete services on the field of virology. MICROMUN determines the infective virus burden in drugs according to GMP rules, carries out virus clearance studies at GLP level, tests the antiviral activity of disinfectants, screens the antiviral activities of test samples, makes molecular biological diagnostics of contaminations, produces diagnostic antigens and investigates BSE/TSE in small rodents in its own animal laboratory.

Founded: 1993

Employees: 15



Molecular Networks GmbH

Henkestr. 91, 91052 Erlangen
T +49-9131-815668 F +49-9131-815669
info@molecular-networks.com
www.molecular-networks.com



Molecular Networks
Inspiring Chemical Discovery

Molecular Networks offers innovative cheminformatics software products, consulting, development and research services to increase the quality and productivity of discoveries in chemical, pharmaceutical and biotechnology R&D.

Founded in 1997, Molecular Networks' technology is utilized worldwide in major industrial and academic research and discovery laboratories to design and optimize chemical products and processes. The product portfolio comprises a variety of software tools, databases and decision support systems in the area of in silico modeling and prediction of chemical, physical and biological properties of chemical compounds including their chemical reactivity and metabolic or environmental fate.

Molecular Networks is also available as an experienced partner to develop custom-designed cheminformatics solutions suited to the partner's specific needs and offers its unique expertise and technology to analyze and model proprietary chemical and biological data.

Founded: 1997 Employees: 11



nadicom GmbH

Hertzstr. 16 /Geb. 6.40, 76187 Karlsruhe
T +49-721-6084-4481 F +49-721-6084-4618
info@nadicom.com
www.nadicom.com

nadicom is a leading international GMP certified biotechnology company in the field of genetic identification and characterisation of microorganisms. nadicom has specialised in molecular identification of bacterial and fungal cultures for the pharmaceutical, food, cosmetics and environmental sector. We further focus on the preparation of DNA-fingerprints from pure cultures, environmental samples and complex mixed cultures to screen the genetic identity.

Founded: 2002 Employees: 7



nanoTOOLS GmbH & Co. KG

Tscheulinstr. 21, 79331 Teningen
T +49-7641-4556-70 F +49-7641-4556-71
info@nanotools.de
www.nanotools.de



nanoTools provides custom services regarding development of functional monoclonal antibodies for the pharmaceutical industry.

We have our own proprietary Vaccine Technology and proprietary mouse strains that allow generation of antibodies with affinities in the low picomolar range. Functional antibodies can be identified directly during screening of cell fusions. At this stage correlations between EC50/IC50 and antibody affinity can be performed.

Founded: 1994 Employees: 17



Nexigen GmbH

Nattermannallee 1, 50829 Köln
T +49-221-337772-00 F +49-221-337772-29
contact@nexigen.de
www.nexigen.de



Nexigen GmbH develops innovative drugs with novel modes of action for indications with unmet medical need. Its proprietary intracellular peptide drugs target disease mechanisms which are usually not accessible for common technologies. Nexigen's peptide-based drug development is aimed to close the significant gap between small molecule drugs and therapeutic antibodies. Its proprietary next generation screening system in living eukaryotic cells utilizes novel classes of peptide libraries and detects interacting peptides where common interaction screening technologies fail. It combines a wide applicability among target protein classes with increased sensitivity, better reliability and high hit rates. The screening engine is complemented by chemistry, analytics, biological assays and bioinform-

matics forming a dedicated peptide technology platform. As expert in peptide technologies, Nexigen offers its partners lead-through projects in target identification, validation and peptide screening.

Founded: 2007 Employees: 20



Orion Clinical Services GmbH

Mottmannstr. 1-3, 53842 Trosidorf
T +49-2241-97398-204 F +49-2241-97398-200
joerg.rennecke@orioncro.com
www.orioncro.com



ORION Clinical Services is a full service clinical development organisation. We have in-depth experience of the most challenging therapeutic areas including oncology, intensive care, organ transplant, rare indications such as cystic fibrosis and many more. We offer global reach linked to a level of quality, flexibility and customer service that you would associate with the best local, specialist CROs.

Founded: Employees:



P.S.S.T GmbH

Kreillerstr. 65, 81673 München
T +49-89-922003-0 F +49-89-922003-90
office@p-ss-t.de
www.p-ss-t.de



PSST is a medium sized independent service provider and consultancy based in Germany with representation in some EU member states and cooperation partners in all EU member states and major parts of the world. We present more than 25 years of experience in Pharma R&D and the development of cosmetics and medical devices. Our services focus on full drug/medical devices/cosmetics regulatory services (focus on (e)CTD, EU procedures) as well as clinical research (phases II-IV, NIS, protocol development), vigilance (drug and devices, QPPV services, complaint management) and project management (managing complete development programs, training and coaching).

A special experience exists in strategic advice for drug and device development, traditional medicines (herbals, homeopathics) and borderline projects (eg. nutraceuticals), regulatory Due Diligence in acquisitions, scientific evaluation of R&D portfolios and also introducing a PjM system in classical company structures

Founded: 1995 Employees: 5



PEPperPRINT GmbH

Rischerstr. 12, 69123 Heidelberg
 T +49-6221-726-4488 F +49-6221-726-4475
 info@PEPperPRINT.com
 www.pepperprint.com



PEPperPRINT provides custom peptide microarrays and related services for epitope mapping of mono- and polyclonal antibodies, in-depth analysis of antibody responses upon immunization, the analysis of immune signatures in sera upon infection, carcinosis or in autoimmune sera, and the identification and optimization of peptides as protein target binders or new antibody epitopes.

Founded: 2001 Employees: 8



Pharmacelsus GmbH

Science Park 2, 66123 Saarbrücken
 T +49-681-3946-7510 F +49-681-3946-7511
 info@pharmacelsus.de
 www.pharmacelsus.de



Pharmacelsus is a GLP certified German Contract Research Organization providing preclinical test services for drug discovery projects worldwide. The service portfolio encompasses in vitro and in vivo studies on in vitro ADME (e.g. aqueous solubility, permeability screening, transporter assays, plasma/serum protein binding, blood partitioning, metabolic stability drug-drug interaction (CYP induction, CYP inhibition, CYP profiling) in vivo pharmacokinetics & pharmacodynamics (Single in vivo PK, Tissue distribution, Metabolism and Excretion) Bioanalytical services by state of the art LC-MS/MS Metabolite characterization according to the FDA guidance GLP method validation according to the FDA and EMA guidelines (Method development for LC-MS/MS and LC-UV,

Method development for sample preparation (e.g. LLE, PPT, SPE), Full validation of analytical methods, clinical samples and formulations Target-based bioassays in steroid endocrinology and diabetes in vitro cytotoxicity test

Founded: 2000 Employees: 45



Pharmainformatic

Friesenstr. 36, 26721 Emden
T +49-4921-99336-0 F +49-4921-99336-1

www.pharmainformatic.com



Pharmainformatic provides cheminformatic services and predictive tools to optimize drug discovery.

In 2004 we started to develop a comprehensive ADME/Tox database. It contains pharmacokinetic results obtained from clinical trials in humans and preclinical trials in different animal species.

This unique and highly annotated data collection is now to our knowledge the largest pharmacokinetic data source worldwide.

Each database entry contains the chemical structure of the examined compounds together with detailed experimental conditions of the trials making this

database to an ideal tool for structure based drug design (QSAR, QSPR) and predictive modeling.

Reliable tools to predict ADME/Tox-properties of new chemical entities like oral bioavailability, clearance, elimination half life, volume of distribution, plasma protein binding, toxicity and some others can be derived from this database in order to identify and prioritize promising drug candidates.

Founded: 2004 Employees: n/a



PHARMALOG GmbH

Neumarkter Str. 18, 81673 München
T +49-89-544637-0 F +49-89-544637-50
pharmalog@pharmalog.com
www.pharmalog.com



PHARMALOG®
Institut für klinische Forschung GmbH

PHARMALOG is a European full-service CRO with more than 29 years of experience in clinical trials, non-interventional and pharmacoeconomic studies. As a business partner, PHARMALOG drives complete research programmes as well as special trials in collaboration with partner institutes (e.g. phase I units). Our mission is to provide flexible services, which are transparent for the customer, are accurate in terms of data handling and are support-friendly.

Our company is experienced in managing studies in all major indications – as well as in paediatrics and phyto-therapeutics. We offer well-trained and experienced employees who are able to work nationally and multinationally within Western Europe and CEE and

provide a large investigator pool within Germany, Eastern and Western Europe.

Contact us and learn more about our services in complete study preparation, conduct and completion as well as in non-interventional studies.

Founded: 1983 Employees: 42



PharmGenomics GmbH

Parcusstr. 8, 55116 Mainz
 T +49-6131-554-2860 F +49-6131-554-2861
 info@pharmgenomics.com
 http://pharmgenomics.com



PharmGenomics is an innovative German biotech company in the area of pharmacogenetics and Personalised Medicine.

The company is specialised in the development and distribution of various IVD assays for human genetic diseases and the detection of genetic variants.

Founded: 2008 Employees: 9



Pierrel Research Europe

Zeche Katharina 6, 45307 Essen
 T +49-201-8990-0 F +49-201-8990-251
 office.europe@pierrel-research.com
 www.pierrel-research.com



Pierrel Research is a full-solutions Contract Research Organization (CRO), providing drug development services to the pharmaceutical, biotechnology, and medical device industries.

Our international and highly skilled multidisciplinary teams work to consistently offer high quality and cost effective services and solutions across the full spectrum of clinical research and regulatory requirements. Our clinical staff is strategically located in over 20 offices worldwide, thus enabling a high level of local expertise to be applied to global clinical trials of all size.

Our different solutions comprise e.g.:

- Early Phase (with three Phase I Units in Romania)
- (International) Clinical Trials Phase II, III and IV
- (International) Post-marketing Studies/Non-Interventional Studies
- Medical Writing
- Biostatistics
- Pharmacovigilance
- IMP Manufacturing & Logistics
- Data Management
- eClinical Trial Solutions (Multi-Trial Platform Hyper-Suite®)
- Regulatory Advice, etc.

Founded: 2009 Employees: 400



Planton GmbH

Am Kiel-Kanal 44, 24106 Kiel
T +49-431-38015-0 F +49-431-38015-11
info@planton.de
www.planton.de



PLANTON provides analytical and recombinant production & purification services in research and development accompanying clinical and pre-clinical trials.

PLANTON's highly skilled scientific staff, in combination with our modern technical facilities, enable us to develop new methods, processes and analytical solutions to our customers' needs.

In addition, our analytical, preparative and process-oriented, state-of-the-art instruments provide a means to support our customers in research and development.

- Purity analyses or product identification by HPLC, SDS-PAGE, Western Blot, ELISA, MALDI-TOF
- 2D gel electrophoresis e.g. for proteome analysis
- Protein de novo sequencing by ESI-MS/MS
- Peptide Fingerprinting by MALDI-TOF
- Recombinant expression systems in green plants or other organisms
- Purification systems of recombinant proteins

Founded: 2001

Employees: 20



Polyquant GmbH

Industriestr. 1, 93077 Bad Abbach
T +49-9405-96999-10 F +49-9405-96999-28
info@polyquant.com
www.polyquant.com



PolyQuant is a service provider commercializing technology of multiplex protein quantification QconCAT.

- **Technology:** QconCAT allows absolute quantification of multiple (5 to 100) proteins simultaneously. Method is based on gene synthesis and mass spectrometry platforms; it is highly sensitive and cost-efficient assay applicable to samples of any nature.

- **Applications:** Protein biomarker research and validation; compound screening and toxicology evaluation; elucidation of the stoichiometry of protein complexes; quality control of expressed proteins; research and analysis of biological pathways.

- **Products and services:** Full service of protein quantification based on particular project requirements as well as the ready kits (isotope labeled control mixtures) for MS quantification.

Founded: 2007

Employees: 3



PRIMACYT GmbH

Hagenower Str. 73, 19061 Schwerin
 T +49-385-3993-600 F +49-385-3993-602
 info@primacyt.de
 www.primacyt.de



PRODUCTS

PRIMACYT offers in vitro test systems

Main products are:

- human and animal (monkey, dog, minipig, rat) hepatocytes, fresh and cryopreserved
- human dermal fibroblasts

Cell culture media:

- Human Hepatocyte Maintenance Medium, serum-free, for long term culture of differentiated human hepatocytes
- Hepatocyte Growth Medium, serum free
- Fibroblast Growth Medium
- Cell culture products
- Collagen Coated Multiwell Plates
- Rat Tail Collagen

SERVICES

- in vitro studies with primary cells:
 - Toxicity studies (cytotoxicity and hepatocellular toxicity)
- Analysis of metabolism
- Analysis of hepatocellular functions
- Cytochrome P450 induction and inhibition studies
- in vitro studies with human and animal cell lines:
 - uptake-transporter analysis in HEK293 cells 3T3 NRU
 - Phototoxicity Studies (OECD guideline 432), MDCK
 - Fluorescein Leakage Eye Irritation Assay (in vitro protocol 71). Cytotoxicity studies according to DIN EN ISO 10993-5

Founded: 2004 Employees: 4



Project Pharmaceuticals GmbH

Fraunhoferstr. 22, 82152 Martinsried
 T +49-89-452289-700 F +49-89-452289-717
 info@project-pharmaceutics.com
 www.project-pharmaceutics.com



We design optimized formulations and delivery systems for biologics that are stable, convenient and safe. Tailored to these optimized systems we develop cost-effective manufacturing processes and transfer those from its own pilot labs to GMP manufacturing. We ensure that investigational products, biosimilars and bio-betters are running smoothly in clinical and commercial scale GMP manufacturing.

We offer:

- predictive formulation analytics
- formulation development including in-depth protein analytics
- lyophilization process development and optimization
- lyophilization in dual chamber prefilled syringe

- liposomal formulations, producible by simple stirring
- manufacturing of preclinical study material
- technology-transfer including scale-up to GMP-manufacturer

We deliver:

- optimized formulations for biologics
- tailored manufacturing processes and transfer to GMP manufacturing
- development reports ready for submission to the authorities for registration

Founded: 2010 Employees: 5



ProQinase GmbH

Breisacher Str. 117, 79106 Freiburg
T +49-761-206-1780 F +49-761-206-1781
info@proqinase.com
www.proqinase.com



ProQinase is a leading preclinical service company dedicated to support pharmaceutical and biotech clients in the development of novel therapies for cancer treatment. The company has a long-standing scientific experience in the fields of protein kinase and tumor angiogenesis research.

Currently 239 in-house produced catalytically active protein kinases and 10 kinase substrates are offered for sale and more than 358 protein kinases are available for biochemical kinase assay services (HTS, selectivity profiling and IC50 determination).

Hits derived from biochemical kinase assays can be further characterized at ProQinase in cellular phos-

phorylation assays and in various functional cellular assays (migration assay, soft agar assay, angiogenesis assay).

For further evaluation of lead compounds ProQinase offers various in vivo testing services including subcutaneous (xenograft) models, orthotopic tumor models with in vivo and ex vivo bioluminescence analysis and an angiogenesis assay.

Founded: 2001 Employees: 31



Protagen AG

Otto-Hahn-Str. 15, 44227 Dortmund
T +49-231-9742-6300 F +49-231-9742-6301
info@protagen.com
www.protagen.com



GMP compliant Protein Analysis, Comparability of Biosimilars, Complete Characterization of Biotherapeutics according ICH Guidelines Q6B and Pharmacopoeia, Stability Studies and Release Testing

Development of Serum based in vitro Diagnostics, Development and Production of Protein Microarrays, UNlarray® Technology for patient stratification in clinical studies Phase I-IV, and development of assay for differential diagnose of Prostate Cancer and early detection of Multiple Sclerosis.

Founded: 1997 Employees: 50



provitro GmbH

Charitéplatz 1, 10117 Berlin
T +49-30-450578-352 F +49-30-450578-952
office@provitro.de
www.provitro.de



Based on the Charité Campus Mitte in Berlin we combine medical research excellence and profound experience in biotechnology to create convincing solutions and applications to life science research and development.

With more than 400,000 samples provitro operates a large human tissue bank giving us the resources to meet nearly every demand. Our unmatched tissue microarrays with up to 140 individual FFPE tissue samples on a single slide minimize variations in staining intensity. Yielding consistent results they are ideal for morphological evaluation and rapid localization of DNA or protein molecules in a variety of human tissue samples.

Above that provitro has an exceptional standing in a wide range of flexible analytical services. Starting with the development of protocols for immunohistochemical staining to target validation with antibodies on normal and tumour tissue samples from our extensive tissue bank and reaching as far as microdissection, DNA extraction or mutation analysis.

Founded: 2006 Employees: 10



Ribocon GmbH

Fahrenheitstr. 1, 28359 Bremen
T +49-421-2487-053 F +49-421-2208-150
contact@ribocon.com
www.ribocon.com



Ribocon is a professional bioinformatics services and solutions provider for Microbiology, serving Industry and Academia worldwide. The company's key techniques spanning (meta)genome data analysis and mining, (rRNA gene-based) identification of microorganisms, software and database development, and data integration. Ribocon is routinely processing large-scale DNA sequence datasets from next generation sequencing techniques and is regularly involved in research projects, ensuring continuous experience with the latest technology of the fast-evolving field.

Founded: 2005 Employees: 6



Sacura GmbH

Mendelstr. 11, 48149 Münster
T +49-251-98014-90 F +49-251-98014-91
info@sacura-cro.com
www.sacura-cro.com



SACURA is a full-service CRO granting a high level of quality (multiple FDA approved), flexible structures and qualified staff. We are dedicated to the success of our clients by providing extensive support through a network of "veterans" previously experienced in leading positions in the Big Pharma industry. Working with our partners in a long-term successful partnership oriented cooperation; we are able to serve as a one-stop-shop with the complete spectrum of services from late pre-clinical development to phase III complex and orphan drug clinical studies and providing intelligent and innovative solutions, operational excellence, flexibility and transparency of work at any time. We have demonstrated that our proven structure and management skills gain a measurable benefit for our

clients by completing their projects earlier. SACURA is "Your Gate to Europe" – a perfect place for clinical studies in high quality without exorbitant costs conducted according to FDA and EMA conditions.

Founded: 2012 Employees: 11



Scienion AG

Volmerstr. 7b, 12489 Berlin
T +49-30-6392-1700 F +49-30-6392-1701
support@scienion.de
www.scienion.de



Scienion offers services and instruments for the contact-free printing of biological and chemical agents for pharmaceuticals, diagnostics, veterinary, plant and food analytics and research. Scienion offers contract development from the feasibility study to the validation and production phase for application of array-based technologies in signature-based drug discovery strategies for pharmaceutical industry. Addressing the dynamically increasing needs for miniaturization and multiplex analyses, Scienion offers a unique and seamless portfolio that enables "idea to product". Scienion improves the quality of diagnostic tests as service provider and commercial developer of diagnostic service.

Founded: 2000 Employees: 33



SequentiX - Digital DNA Processing

Dorfstr. 20, 18249 Klein Raden
 T +49-38462-22-333 F +49-38462-33-9807
 Info@sequentix.de
 www.sequentix.de



Sequentix - Digital DNA Processing offers bioinformatic services and software for the analysis of DNA, RNA and protein data.

Our main expertise is the assembly, proof reading and alignment of DNA sequence data, as well as phylogenetic cluster analysis and molecular fingerprint analysis.

For identification of organisms, determination of pathogens and documentation of genetic relatedness we analyse and process our customers raw data sets, combine them with public available sequence data, and deliver publication-ready results and graphics. We also offer professional digital DNA analyses

software for sequence assembly, alignment, cluster analyses and cladistics, and DNA fragment/fingerprint analyses (AFLP, RFLP, t-RFLP, RAPD, PFGE).

Our services help medical and biotechnology companies as well as research institutions save on expensive expertise costs and thereby minimize their own costs.

Founded: 2005 Employees: 1



SSS Clinical Research GmbH

Landsberger Str. 23/25, 82110 Germering
 T +49-89-800650-0 F +49-89-800650-555
 info@cro-sss.eu
 www.cro-sss.eu



SSS International Clinical Research GmbH was founded by Dr. Michael Sigmund as a Clinical Research Organization (CRO) in 1993 in Munich. Over the last 19 years we have expanded our international co-operations in Western, Central and Eastern Europe. New offices of SSS were established to cover the European market with own staff. In 2005 SSS Regulatory Services Ltd. in the UK was founded. In 2007 SSS Clinical Research S.R.L. in Romania and in 2008 SSS Clinical Research Polska Sp.zo.o in Poland were opened. SSS's quality system was first certified in 1997. In June 2011 last recertification (DIN EN ISO 9001) was performed by the Moody International Certification Agency.

SSS International Clinical Research provides the following services: Full service clinical trials, phase II-IV, project management, monitoring phase I-IV, EDC (electronic data capture) for clinical trials, PMS (post marketing surveillance) studies.

Our own web based CTMS keeps all information organized.

Founded: 1933 Employees: 50



StarSEQ GmbH

Johann-Joachim-Becher-Weg 30a, 55099 Mainz
T +49-6131-39232-87
info@starseq.com
www.starseq.com



Low Cost DNA Sequencing Service (Sanger).
Next Gen Sequencing With MiSeq (Illumina): TrueSeq
Amplicon - Cancer Panel; TrueSeq Amplicon Sequencing;
Custom Amplicon Sequencing; Ultra Deep Sequencing
Of Tumor Samples; Targeted Resequencing;
ChIP-Seq; Small RNA Sequencing; RNA Sequencing
(Microbial); Sequencing Of Smaller Genomes; Sequencing
Of Plasmids (BAC's etc.); Metagenomics (16s);
Library QC

Founded: Employees:



TransTissue Technologies GmbH

Charitéplatz 1 / Virchowweg 11, 10117 Berlin
T +49-30-450-578-193 F +49-30-450-578-194
info@transtissue.com
www.transtissue.com



TransTissue offers a broad portfolio of services in the field of regenerative medicine for cell-based and cell-free approaches. Services comprise contract research in cell culture technology, molecular biology and functional assays for regenerative medicine as well as consultancy in and implementation of GMP production, medical device approval and quality management.

Founded: 2000 Employees: 6



Vibalogics GmbH

Zeppelinstr. 2, 27472 Cuxhaven
T +49-4721-565-400
info@vibalogics.com
www.vibalogics.com



Live viruses and bacteria as well as aseptic filling are Vibalogics' expertise. We work on therapeutic and prophylactic vaccines, gene vectors and oncolytic viruses and are a partner for companies committed to developing innovative drugs for life-threatening diseases. Our one-stop-shop services include filling, lyophilization, cGMP-compliant manufacturing, formulation, and QC testing of drugs based on recombinant and attenuated viruses and bacteria.

clinical trial material including comprehensive GMP documentation and Certificates of Analysis to enable straightforward product development.

We offer a highly competent team of experts and a biosafety level 2 state-of-the-art facility. Four independent production suites with cleanroom class areas A-D provide a unique grade of flexibility to develop manufacturing processes and QC assays. We deliver

Founded: 2001 Employees: 25



VivaCell Biotechnology GmbH

Ferdinand-Porsche-Str. 5, 79211 Denzlingen
T +49-7666-9028-77 F +49-7666-9028-78
info@vivacell.de
www.vivacell.de



VivaCell Ltd. is one of the leading CRO companies in natural product based research and is partner of many nutraceutical, phytopharmaceutical, and pharmaceutical companies and extract producers.

- Inhibition 5alpha-reductase (hair growth, prostatic hyperplasia)
- Vanilloid (=Capsaicinreceptor) and menthol receptor (pain, warming, cooling, hair growth)
- Histamine-release (allergy)

Examples of recent studies:

- Immunomodulation/anti-inflammatory (cytokines, leukotrienes, humane monocytes, chondrocytes, keratinozytes etc.)
- Receptor binding studies, neurotransmitter-reuptake (anxiety, depression, memory effects, dyspepsia etc.)
- Viral entry model, inhibition viral neuraminidase (common cold)

Founded: 1999 Employees: 5



vivo Science GmbH

Fabrikstr. 3, 48599 Gronau
T +49-2562-8170-0 F +49-2562-8170-19
info@vivoscience.de
www.vivoscience.de



vivo Science is a leading contract research test facility focused on immunological, toxicological and viral safety studies.

Approaching the safety and efficacy of your lead compound vivo Science will deliver validated data all the way of your development. From initial dose finding-, pharmacodynamic- and standard toxicity studies in rodents up to our specialized immunological evaluations. Our protocols comply to the recent guidelines of ICH or EMA, and will completely characterise the immunological effects in animal models as well as in human bloodcells.

We also provide OECD standard toxicity studies in rodents. For virus safety testings our protocols comply either to Eur. Pharmacopeia or FDA regulations.

vivo Science is GLP certified in the areas of toxicity, immunotoxicity and immunogenicity as well as GMP certified for virus safety studies. All protocols, experimental work, raw data and study reports will accurately be covered by our quality assurance.

Founded: 2001 Employees: 20



ZytoVision GmbH

Fischkai 1, 27572 Bremerhaven
T +49-471-4832-300 F +49-471-4832-509
info@zytovision.com
www.zytovision.com



Contract research of ZytoVision GmbH, Germany: Companion Diagnostic Development

Companion diagnostics I (test development): Development and establishment of new, innovative, and robust probes and corresponding molecular tests based on the FISH and/or CISH technique (fluorescence and/or chromogenic in situ-hybridization technique) to be used in clinical trials for selection of patients.

Companion diagnostics II (biomarker clinical trial analyses): Performance of FISH or CISH analyses in clinical trials.

Background of company: Production of FISH and CISH based probes and kits (in accordance to EN ISO 13485) for routine diagnostics in molecular pathologies. ZytoLight®, FISH-based products aimed at the detection of genomic aberrations (e.g. HER2 und ALK). ZytoDot®: CISH-based products aimed at the detection of genomic aberrations (e.g. FGFR1).

Selected Targets: HER2, EGFR, MDM2, ESR1, TOP2A, CCND1, FGFR1, FGFR2, FGFR3, CMYC, NMYC, PIG, BCR-ABL, ALK, EML4, SOX2, and MET.

Founded: 2004 Employees: 19



BIO Deutschland e.V.

Dr. Pablo Serrano

Max-Dohrn-Str. 8 / berlinbiotechpark
10589 Berlin / Germany
T +49 30 3450593-30 F +49 30 3450593-59
info@biodeutschland.org / www.biodeutschland.org

BIO DEUTSCHLAND

The Biotechnologie-Industrie-Organisation Deutschland (BIO Deutschland) is the independent organization for biotechnology companies in Germany.

At its offices in Berlin, the association is developing and supporting an innovative industry based on modern life sciences. Founded in October 2004, BIO Deutschland currently has 280 member companies. To

support them, BIO Deutschland engages in a broad range of activities, including lobbying, public relations, and offering business development opportunities.

BIO Deutschland is governed by a Board of Directors made up of CEOs, CFOs and Managing Directors of companies which represent the scope of the German biotech sector.

DIB – Deutsche Industrievereinigung Biotechnologie im Verband der Chemischen Industrie e.V.

Dr. Ricardo M. Gent

Mainzer Landstraße 55 / 60329 Frankfurt / Germany
T +49(0)69 2556-1459 F +49(0)69 2556-1620
gent@dib.org / www.dib.org



The German Association of Biotechnology Industries (Deutsche Industrievereinigung Biotechnologie (DIB)) is the biotechnology association of the German Chemical Industry Association (Verband der Chemischen Industrie e.V. (VCI)), its sector groups and sector associations. DIB represents the interests of its member companies and member associations especially regarding economic and regulatory policy issues. Goals of DIB's activities are

to ensure sustainable growth and international competitiveness for the country's biotechnology sector. DIB is a member of the European biotechnology association EuropaBio and on the EuropaBio board. DIB represents 10 further associations and their member companies and works on behalf of these associations. Thus DIB stands for over 90 percent of the German market for biotechnological products.

VBU - Vereinigung Deutscher Biotechnologie-Unternehmen Association of German Biotechnology Companies in DECHEMA e.V.

Dr. Andreas Scriba

Theodor-Heuss-Allee 25 / 60486 Frankfurt / Germany
T +49 (0) 69-7564-124
scriba@dechema.de / www.v-b-u.org

The Association of German Biotechnology Companies (VBU) is a group of companies and institutions involved in biotechnology and related sectors. Our members come from the fields of biotechnology, pharmaceutical technology, bioinformatics, diagnostics, medical devices and laboratory technology. VBU is a platform for cooperation, communication and information. Founded in 1996, VBU was the first organization for biotechnology

companies in Germany and is integrated in the Biotechnology Section of DECHEMA. VBU is a catalyst for the transfer of research results into competitive products and services. VBU represents a cross-sectoral network and assists its members in seeking and finding partners for cooperation in all areas of the life sciences on a national and an international scale.

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Health – Made in Germany

Friedrichstraße 60
10117 Berlin
Germany
T. +49 30 200 099-0
F. +49 30 200 099-111
office@gtai.com
www.gtai.com

Chief Executives

Dr. Jürgen Friedrich, Michael Pfeiffer

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Germany Trade & Invest is the foreign trade and inward investment agency of the Federal Republic of Germany. The organization advises and supports foreign companies seeking to expand into the German market, and assists companies established in Germany looking to enter foreign markets.

All inquiries relating to Germany as a business location are treated confidentially. All investment services and related publications are free of charge.

Germany Trade & Invest

Friedrichstraße 60
10117 Berlin
Germany

T. +49 (0)30 200 099-0
F. +49 (0)30 200 099-111
office@gtai.com

www.gtai.com