

BIOVALLEY COMPANIES DAY 2013



Company Profiles

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Dear Life Science Friends,

this year the BioValley Companies Day, organized by BioValley Deutschland e.V., takes place for the third time. For us, who organized this meeting, this is a clear signal that this extraordinary format has found its followers.

Even in the age of the internet and the availability of many new information sources personal contact and interaction remain a key factor for business success. This fact is accurately addressed by this meeting. The BioValley Companies Day offers the chance within one day to become familiar with the concept and strategy of 36 companies, all related in any way to the life science field, and to talk personally with representatives of each firm.

I'm convinced that at the end of the day every attendee of our meeting will have identified a new contact with promising potential for interaction. And even if collaboration does not directly begin after the meeting the information will be available for future options.

We are especially pleased that not only German companies but also a few firms from Switzerland and the Alsace are presenting their business this year. This underlines that BioValley is still a trinational concept. For the future it remains our vision that the BioValley Companies Day takes place every year and that the venue will rotate between Switzerland, France and Germany.

I wish all of you interesting contacts and at the end of the day the conclusion that it was worth to come.

Dr. Christoph Schächtele,
President BioValley Deutschland e.V.

Analytical Services

Analytical Services is a flexible, owner-run medium-sized company with short paths of communication and decisions. With a highly qualified team (9 team members – 80% scientists) we understand and speak our customers' language. Since 2009 we are a GMP-certified with the authorization for narcotics. Our customers are pharmaceutical and biotech-companies (R&D, DS/DP), generic drug manufacturer, medical device manufacturer, Clinical Research Organisations and Patent Attorneys.

We can handle highly potent drugs and controlled drugs, we are experts for structure elucidation and specialists in method development and method validation. The supply and qualification of reference standards as well as the analytical support for Medical Devices and Clinical Trials an EU Batch release complete the service portfolio.

We offer you a broad knowledge for your complex analytical requests.



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aprentas

aprentas is the leading cooperative training association for basic and further education of scientific, technical and commercial professions. It was founded in October 2000 by the three patron companies Ciba (now BASF), Novartis and Syngenta. Their goal was to maintain a sustainable, continuous and inexpensive way of training people throughout the entire chemical and pharmaceutical industry. Meanwhile, many more companies have joined aprentas, and not only chemical-pharmaceutical companies but also many technical and service enterprises. On behalf of its more than 70 member companies, aprentas teaches about 600 trainees in 14 different professions.

In addition to the basic education aprentas also offers further vocational training. This range of educational services is also open to non-members and encompasses around 200 courses in the fields of laboratory, production, further management training, leadership and personal development and the teaching of trainers. Individually tailored courses can also be ordered to suit specific company needs.



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ATG:biosynthetics GmbH

ATG is a **synthetic biology and biotech company** with proprietary analytical and synthetic bioinformatics tools and expertise plus systems for the design, assembly and expression of multi-gene and multi-peptide constructs.

PRODUCTS AND SERVICES OVERVIEW:

- (Modular) Multi-gene recombineering and expression systems for E.coli, insect and mammalian cells and other organisms (Toggle, MultiLabel)
- Proprietary multi-peptide library design tool as well as biosystems-based multi-peptide library construction and expression system (PepID) for rationally designed bio-peptide libraries. For use in assessing, identifying (mapping) and verifying peptide epitopes, antibodies, or protein-protein-interaction. Applications in R&D for diagnostics and therapy.
- Gene intelligence solution EvoMAG for multi-parametric complex gene / (artificial) combinatorial gene cluster design as well as formal and operational optimization and modeling of genes, genetic elements and expression cassettes for diverse target/production organisms (e.g. for functional enzyme optimization, metabolic engineering, signal pathway analysis, etc.)
- Gene synthesis of individual genes and gene clusters
- Expression cassette modelling for E.coli, insect cells but also other production organisms (yeasts, mammalian cells, etc.)
- Plasmid production and purification
- State-of-the-art computational biology solutions / analysis for immunomics, metabolomics, gene expression analysis in your target organism of choice, etc.
- Synthetic biology and bio-engineering projecting and consulting from gene design to (multi-gene) expression strategy



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BIA Separations GesmbH

Our fields of experience are chromatographically purification of big molecules like Virus, VLP's, phages, antibodies (Igm, IgG..), proteins, pDNA, vaccines as well as re-movement of virus, endotoxins and proteins from different biological matrices.

We offer all devices **from small** analytical columns **till large** industrial prep scale columns from non GmP to cGmP till disposable units.

In our program we do have plug and play ready solutions for pDNA purification (from 4mg to 48g) and Virus screening kits etc.

This relatively **new technique** (since 1998) is an efficient alternative to classical materials (particle beads like sepharose etc.) and techniques like centrifugation and/or membrane filtration. It offers great improvement regarding savings in time & process investments (**separation even in industrial scale production columns within some minutes!**)

We offer as well: method development outsourcing and active help for method development, downstream processing, immobilizations, hotline, service.

BioFluidix GmbH

BioFluidix GmbH is a micro technology company focused on low volume liquid handling. Our proprietary non-contact technologies are based on micro machined components providing highest quality, throughput and functionality. Our academic background from the Department of Micro Systems Engineering (IMTEK) combined with a long-standing expertise in working with liquid droplets, jets and sprays in the picoliter to nanoliter range inspired our unique product portfolio which comprises hardware and consumables as well as R&D services.

Our leading-edge printing, dispensing and coating solutions enable our customers in life-science research and industrial production to reduce volumes, increase throughput and cut costs. Being a young and innovative company we are dedicated to continuous research and development of our products and performance in order to exceed our customers' expectations in every respect.

BioVariance

BioVariance has two different offerings rooted in the same data. On the one hand we offer "Medical-Value-Content"-as-A-Service for healthcare applications. On the other hand, and this is more relevant for the presentation we offer innovative data analysis services at the interface where small molecules meet human genetics, particularly focusing on the interpretation and analysis for NGS data in Drug Discovery and Early Clinical Applications.

BURECO AG

Since January 2013 BURECO is part of the **synlab pharma institute**. With this synergistic step BURECO's customers will now have access to a wide range of GMP and GLP services for drug development of small molecules and biopharmaceuticals.

Many years of experience in assay development and optimization, assay transfer, assay implementation, assay validation and testing of pre-clinical and clinical samples as well as drug substance and drug product samples, make us a reliable partner.

The focus of BURECO is set to the following areas:

- Biomarker/biopharmaceuticals determination in animal and human samples (GLP)
- Immunogenicity/Neutralizing Antibodies/Anti-Drug Antibodies (GLP)
- Potency Bioassays (Release and Stability Testing) (GMP)
- Endotoxin (LAL) and In vitro Pyrogen (IPT) Testing (GMP)
- Cytotoxicity (GMP/GLP)
- Consulting in assay development/validation and selecting strategies

This will be complemented by bioanalytical services, biomarker testing, personalised medicine concepts, sample logistics, etc. performed at different sites of the **synlab pharma institute**.

BURECO is known as a reliable partner delivering data of outstanding quality and adherence to timelines. This is proven by long-term relationships with clients worldwide. As part of the synlab pharma institute BURECO can now offer the full range of relevant technologies and services for drug development with the same high quality standards.



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CARBOGEN AMCIS AG

CARBOGEN AMCIS Innovative Chemistry Solutions - CARBOGEN AMCIS combines worldclass chemistry skills to provide seamless drug substance and product development and commercialisation services for leading pharmaceutical and biotechnology companies.

Through our customised offering we provide an array of integrated services operated in a fully cGMP compliant infrastructure, including dedicated High Potency facilities in Switzerland and India. These services support faster, safer drug development with improved cost efficiency, helping our clients make decisions more quickly and progress more candidates through the pipeline in a shorter period of time. CARBOGEN AMCIS is owned by Dishman Pharmaceutical and Chemicals Ltd., Ahmedabad, India.

ChemCon GmbH

ChemCon: Your Service Partner for chemical R&D and small molecule API-GMP Production

ChemCon GmbH is a contract manufacturer specialized in supplying organic and inorganic API's and small molecule chemicals under cGMP conditions in mg to multi kg scale.

Located in Freiburg, Germany, we have an outstanding 15-year track record of experience, quality and deliverability as an independent supplier and service provider for the global pharmaceutical, biotechnological and fine chemicals industries. Synthetic route scouting and upscaling from R&D to commercial cGMP production are part of our service.

Besides the production of fully active APIs and HPAPIs, we also offer the synthesis of building blocks, reference standards, impurities, analytical services and verification of scientific claims. In our clean rooms, approved by the European authorities and the US-FDA, we can handle highly potent, cytotoxic and controlled substances in injectable grade under full microbiological control.

We offer not only customized manufacturing but also all necessary analytical and regulatory services as typically required in preclinical research and all clinical phases of API approval. Our customers appreciate ChemCon's smart and quick handling, flexibility and the quality of our products and GMP documentation services.

Chemengineering Technology AG

Company

With its consistent focus the Chemengineering Group called for attention - right from the start in 1996 and throughout the Life Sciences community. The early speciality was high-quality and practice-proven Front End Engineering for the pharmaceutical, biotech and fine chemicals industries in German speaking Europe. Shortly after, the offered portfolio was broadened to include Consulting Services.

Today Chemengineering is a globally acting Consulting and Engineering group with a focal point on challenging capital investment projects in the Life Sciences industries. Specialists and allrounders conceive and realize ambitious projects for GxP-regulated enterprises. The group headquartered in Switzerland has subsidiaries in Germany, Austria and Serbia.

Only GMP?

At the center of the group's activities stand consulting and project realisation for manufacturers and producers of pharmaceuticals, biotechnological products, medical technology applications and diagnostics.

The client portfolio of the Chemengineering Group includes as well fine chemical companies and food and cosmetic product manufacturers.

Core Businesses: Consulting and Engineering

The Business Designers support clients with services that are entirely independent from capital investment programs. Added value and often hard cash are generated by business process management, risk analyses, cost conscious regulatory compliance programs and computerized systems validation.

The Technology Designers master ambitious investment projects completely including all technical disciplines involved. Production plant design and realization include grass roots and refurbishing projects, R&D centers infrastructure or whole site developments.

As an additional service the Technology Designer offer services for fine and speciality chemical as well as petrochemical clients.

CONFARMA France SARL

CONFARMA is a CRO since 1972, specialized in R & D, CMC and studies.

Activities: Analytical chemistry, Galenics, Stability studies, Microbiology, Biochemistry, Biology, Immunology, Molecular Biology, Pharmacology-Toxicology

Phases of development: R & D (contract research), Preclinical, Clinical (only analytics), Commercial (CMC)

Markets: Academic Research Institutions, EU collaborative projects, Biotech, Biopharma, Vaccins, Pharma, Medical Devices

Certification: GMP, c-GMP (FDA), GLP, ISO 9001, ISO 14001, ISO 17025, OHSAS 18001, FDA registered DUNS number 49-273-8125

Technological platforms:

- In vitro models: cell culture (primary cells, cell lines): micro-organisms: bacteria, yeasts, moulds
- Ex vivo models: isolated organs, homogenates
- In vivo models: rodents (mice, rats, guinea-pigs), non-rodents (rabbits)
- Electrophoresis: agarose (DNA, RNA), SDS-PAGE, IEF, 2-D (Proteins/ antibodies/ peptides)
- Blotting: Southern, Northern, Western
- PCR: classical, real time, quantitative
- Sequencing: DNA, RNA and proteins/ antibodies/ peptides
- Typing and analysis of fragments
- Chromatography: HPLC, CPG, ionic, reverse
- Atomic absorption: flame, oven
- Mass spectrometry MALDI-TOF-TOF: linear and reflectron mode, double spectrometry (TOF-TOF)
- Spectrophotometry: UV, visible, IR, micro-plates, cuvettes, droplets (Nanodrop)
- Microscopy: direct, phase contrast, visible, fluorescent, indirect (side illumination)
- Isolators: sterility, manipulation of pathogenic micro-organisms and dangerous substances
- Clean room: cell culture
- 8 ICH stability conditions

chemengineering

*viable solutions
for life sciences*

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ETAG, a new association of service provider

ETAG provides full service for determination of toxicity parameters of products from chemical, pharmaceutical, medicinal-technology, cosmetics and nutritional industry. Our core competency is providing a full package for REACH registration of chemicals. ETAG helps with the reduction of animal experimentation, provides methods for detection and reduction of toxic effects, and helps customers with the development and registration of new products.

Our laboratories work under strict regulatory guidelines (GLP, GMP) and are fully certified (ISO 9001, 14001, 17025, FDA).



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FAST - Freiburg Academy of Science and Technology

FAST: "Learning by doing research together"

The Freiburg Academy of Science and Technology (FAST) provides a new innovative approach of extra-occupational further education: develop your employees' competences in practice-oriented trainings and gain solutions for your specific questions. We combine industry's demands with the competences, skills and the analytical equipment of the University of Freiburg and the Fraunhofer-Institutes in Freiburg.

Our programs are flexible, highly individualized and tailor-made and mainly address experts and executive staff in industry.

Choose from our fields of expertise:

- Life Sciences
- Bionics
- New Materials
- New Energy Solutions
- Microtechnology
- Methods of process optimization, security- and risk-management

Our services include:

- matching the scientific interests and demands of all involved parties
- defining the specific training-project
- organizing the entire process including legal formalities
- coaching the participants

FAST:

Your demands + our expertise and infrastructure = your expert in our environment

Fraunhofer Institute for Physical Measurement Techniques IPM

The Fraunhofer Institute for Physical Measurement Techniques IPM develops tailor-made measuring techniques, systems and materials for industry. Many years of experience with optical technologies and functional materials form the basis for high-tech solutions in a wide variety of fields: from laser imaging technology, via optical measuring techniques, spectroscopy and terahertz measuring technology, to thermoelectrics and integrated sensor systems.

We see our key task as lying in the development and deployment of measurement techniques, materials and systems to design industrial processes more efficiently. In this way we enable our customers to minimize their use of energy and resources while at the same time maximizing quality and reliability. Fraunhofer IPM makes processes more ecological and at the same time more economical.

Work in the group OOA (Optical Surface Analytics) focuses on the development of turnkey devices for surface analysis in production techniques and bioanalytical applications. The methods employed are amongst others fluorescence measuring technology as well as infrared spectroscopy. The group's extensive experience in systems engineering encompasses know-how in optical units, image recording and processing.

greenovation Biotech GmbH

greenovation biotech GmbH is a biopharmaceutical company offering production of complex proteins for the pharmaceutical market as well as IVD and research market employing its proprietary BryoTechnology™.

A GMP production facility is currently furnished at Biomeva, Heidelberg, Germany and will be ready for production end of 2013 with one biopharmaceutical API produced for greenovation's Phase I/II clinical trial study in Fabry disease. greenovation is closely associated to PANATecs GmbH a GMP certified analytic laboratory for CMC, product quality and comparability.

Protein modifications are in particular glyco-designed products for e.g. enhanced ADCC, enhanced mannose-glycosylation, glyco-phosphorylation, etc. Large scale production is in certified, disposable bag-based reactors of the wave-type. Products will be fully physico-chemically and biologically characterized under GMP compliance.

greenovation has 2 pre-clinical programs in the areas oral diseases (growth factor FGF7/KGF) and enzyme replacement therapies (Fabry and Gaucher) under way. The alpha-Galactosidase replacement clinical trial phase I/II will start in spring 2014.



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HINKEN - COACHING

HINKEN – COACHING – TEAMBUILDING – CONSULTING

is a 20 year old company, lead by the owner H-J Hinken and is focussed on executive coaching, leadership, vision & strategy, teambuilding and change-management.

Coming from a background of Psychology, Education, Arts & Economics H-J Hinken and his team are facilitating change processes in local and global companies & organisations in Europe and the US, mainly in the field of Life Science and Chemistry.

Clear communication and transparency are successful key-factors to lead people and companies within complex structures. By using innovative and creative methods to challenge team members and foster team spirit we support teambuilding of high-performance teams.

Executive-Coaching builds on stress-awareness and a healthy and sustainable work-life-balance. The balance provides the energy & strength for a powerful and meaningful life.

This requires a sure instinct, a strong intuition, a clearly stated form of communication, an awareness of your body-language and the will to achieve goal- and solution-oriented performances.

Alongside the achievement of your own coaching goals, we also explore coaching as a tool of successful leadership.

Letters of recommendation on request.

ii4sm - International Institute for the Safety of Medicines Ltd.

Transforming Life Science Data into Value

ii4sm supports the life sciences industry and its navigation through the seas of information for fast but safe maneuvering from point to point - Changing Course for Efficiency and Compliance.

ii4sm offers innovative software solutions for the life sciences industry. Our **Quality Risk Radar** Software facilitates quality by design, risk-based monitoring and vendor oversight during clinical development. The Patient Recruitment System automatically finds patients in electronic health records according to protocol eligibility criteria.

Specialization

Quality Risk Management, Risk-based Monitoring, Patient Recruitment

Jenal & Partners Biosafety Consulting

Since 2001, Jenal & Partners Biosafety Consulting provide science, safety and security services to the life science industry and academia with the goal to promote scientific innovation and to facilitate business development and continuity.

In biotechnology, J&P provide biorisk assessment and management systems, project management, facility design and technical installations, FMEA, biosafety audits and training as well as personal mentoring for biosafety coordinators. In gene therapy, J&P design environmental risk assessments for clinical trials and placing on the market of AMTPs. In nanomedicine, J&P offer risk assessment and regulatory support at the interface between nanotechnology, biotechnology and medical applications. For institutions seeking certification according to ISO14001, J&P establish environmental management systems.

With respect to development in the life sciences in general, J&P support with knowledge management and open innovation processes. J&P has gained its unique competence and resourcefulness through keeping up to date about latest scientific and technological developments, through long term experience from collaborating with a wide range of customers be it industry, academia, regulatory bodies or expert committees, through participation in international organisations (EBSA,ISO, BTWC) and networking with experts within and beyond Europe.

Logopharm GmbH

LOGOPHARM GmbH is a research-based biotech company that provides specialized services in proteomic target and biomarker R&D with a strong focus on membrane proteins, protein complexes and antibody profiling. Founded in 2005 as a spinout of the University of Freiburg, the company combines most advanced technology and instrumentation with long-term experience in membrane protein analysis and molecular physiology to tackle even the most challenging targets, like ion channels, G-protein coupled receptors or other membrane receptors and transporters.

Molecular characterisation of these targets and their protein ligands delivers relevant information for drug development, such as target specificity, post-translational modifications, subunit composition, interaction partners or changes in protein abundance. Thus, Logopharm has supported a broad spectrum of projects covering basic research, target identification and validation, assay development, elucidation of molecular disease mechanisms as well as bioanalytics.

nadicom GmbH

nadicom is a leading international operating GMP-certified biotech company specialising in the identification and characterisation of bacteria and fungi in pure cultures, environmental samples and complex mixed cultures. Our company is active for the pharmaceutical, food, cosmetics, chemical and agricultural industry as well as in building analyses.

For the identification of micro-organisms, the most modern molecular-biological methods are applied. Qualitative identification of bacteria, fungi and yeast from pure cultures is carried out via PCR-based methods. To exactly identify micro-organisms, nadicom's exclusive database "**tree by nadicom**" containing more than 45,000 validated entries, is applied.

For the root-cause analyses of microbial contaminants we offer Genotyping. In this sector we have established various validated methods of DNA-fingerprints for bacterial and fungal strains.

nadicom's knowledge database "**fybase by nadicom**" has been created to offer our clients a fast and comprehensive description of the results obtained in laboratory services. Our growing database gives a broad overview about the prevalent micro-organisms (more than 500 species) present in the pharmaceutical laboratory including detailed description, classification, risk evaluation and literature.

Contracted research represents another focus of the range of services offered. The main focus is currently here on the stimulation of plant-microbe interactions.

Our services are completed with educational seminars in the field of microbiology and environmental monitoring.



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Oncotest GmbH

Oncotest is a CRO specialised on preclinical efficacy profiling of novel anti-cancer molecules. Promising indications and potential biomarkers are identified using a combination of *in vitro* and *in vivo* studies with Oncotest's extensively characterized collection of more than 350 unique patient-derived tumor xenografts (PDX) growing in nude mice. Oncotest has an industry-leading experience, gained by pioneering the rapidly growing xenograft field, and a more than 20-year track record since then. The company is exclusively focused on oncology and has a highly committed and expert team, supporting its customers throughout tailoring and execution of their studies.

Oncotest offers a sophisticated system for stepwise screening of compounds and tumor types: The **monolayer assay** is a 2D high throughput screen for a broad range of compounds based on a cell proliferation assay, supporting late discovery/ early development. Oncotest provides more than 200 cell lines, 60 of which are proprietary.

For the **tumor clonogenic assay (TCA)** more than 300 PDX models can be resected directly from mice and prepared as cell suspensions to provide a useful tool for guiding *in vivo* studies. Oncotest's new 96 well clonogenic assay allows for very fast and cost-efficient screening using these suspensions.

Once suitable tumor models are identified by the *in vitro* and *ex vivo* screenings, as well as pharmacological and molecular characterization, drugs can be profiled *in vivo*. Since Oncotest's **patient-derived xenografts (PDX)** are transplanted and passaged as solid tumor fragments and not cell lines, they retain relevant characteristics of the donor material such as tumor architecture, molecular and protein alterations. This contributes to making these models highly predictive with respect to the patient situation.

Biomarker hypothesis can be derived by correlating pharmacological data from Oncotest's assays with molecular characteristics. Oncotest's tumor model collection is sufficiently large to enable early biomarker identification for novel compounds, already in a preclinical setting with a meaningful study size.

Since all Oncotest assays are based on proprietary PDX models, customers are enabled to use the same models for all studies in a stepwise and streamlined approach towards clinical trials. Oncotest's competence in assay system integration guarantees efficient testing with accurate and relevant results, ultimately reducing the attrition rates in clinical trials and bringing better drugs to the market faster.

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PAREXEL International AG

PAREXEL International, a leading global biopharmaceutical services organization, has been a proven, committed partner to pharmaceutical, biotechnology and medical device companies for the past 30 years.

Together with our customers, we have combined our experience, expertise and innovative insights in a shared mission to help prevent and cure disease and bring significant life-saving treatments to patients worldwide. For more than two decades, PAREXEL has been on the forefront of designing effective partnership models, providing the perfect complement of clinical development expertise, leading technologies and global access to our customers in order to meet their evolving needs.

In this regard, PAREXEL has received multiple awards honouring the Company's performance, including the biopharmaceutical industry's Scrip Award for Best Contract Research Organization, which recognized PAREXEL's consistent achievements in exceeding customer expectations, as well as the Company's broad range of services, its truly global nature, and the positive impact it has had on advancing healthcare worldwide.

Headquartered near Boston, Massachusetts, PAREXEL operates in 78 locations throughout 52 countries around the world, and has more than 14,400 employees, including nearly 100 in Freiburg, out of 2,000 in Germany.

Pharmakorell GmbH

PharmaKorell GmbH provides QA services for the pharmaceutical industry. The company was founded in 2007 and is established in Lörrach (Germany) and Riehen (Switzerland). Both branches are certified according to ISO9001:2008 by TÜV SÜD.

We support pharmaceutical companies with the following services:

GMP consulting and interim management:

We offer the full range of GMP consulting. You can use us as your external QA department or just order specialized services like training courses, world-wide supplier audits, validation and qualification documents etc. We are also experienced in supporting companies in difficult situations, e.g. companies with severe quality or regulatory problems.

Import to the EU, certification of batches and Qualified Person services:

We can release and/ or import your products into the EU based on our own EU manufacturing and import license (§13 and §72 AMG). Alternatively, we can establish a branch office in the EU for you with your own import license, within a few months. Our consultants can act as Qualified Persons in Germany and Switzerland, registered with your health authority and integrated into your organization.

Our business approach:

We offer high quality professional services, combining compliance with efficiency, based on a risk-based-approach rather than on inflexible perfectionism.

PharmBioTec GmbH

PharmBioTec is a university owned CRO offering services in Biotechnological/Biopharmaceutical R&D during several stages in the drug discovery and development process. In 2010 three renowned professors of Saarland University (Hartmann, Müller, Lehr) have combined their knowledge in design, synthesis, biological evaluation, formulation and analysis of new drugs to form a flexible company that facilitates free flowing innovation transfer between university, research institute and industry. PharmBioTec's main objective is to establish and apply new techniques in the areas of BIOTECHNOLOGY, DRUG DISCOVERY and DRUG DELIVERY.

In DRUG DISCOVERY our main focus lies in the design and automated synthesis of target-oriented compound libraries for high throughput screenings. Up to 100 custom made compounds per library can be delivered in high purity.

In DRUG DELIVERY, there is large expertise in studying drug transport across biological barriers using advanced in-vitro models, in particular of the intestinal mucosa, skin and lungs. Furthermore, appropriate carriers are developed capable of crossing these epithelial barriers and delivering an active molecule to the target.

The department of BIOTECHNOLOGY focuses on the isolation, formulation and analysis of proteins and peptides. Standard and innovative analytical techniques are available (LC-/CE-MS; FTIR). Furthermore the development of freeze-drying cycles is our competence

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Polysecure GmbH

POLYSECURE GmbH was founded as a technology start-up in 2009 by Managing Partners Jochen Moesslein and Thomas Baque for the development, production and marketing of complete marker solutions for original products.

We focus on robust and multi functional material markers, which can be used for the authentication of products (anti-counterfeiting), for the protection against unjustified liability claims, for the control of productions and recipes, for the sorting of materials within recycling processes and more.

Core of our marker technology are unique crystalline and ceramic particles which we equip with three security features that can be measured even at very low marker concentrations: First, a characteristic fluorescence which can be proven in seconds with our small optical detector. Second, a numerical product code which goes back to the composition of our ceramic particles. Third, a random structural fingerprint which cannot be copied by principle.

Our markers are inert, biocompatible, temperature stable up to 2.000°C and tunable in size and density. Thus they can mark most materials during their entire lifetime: plastics, ceramics, rubber, paper, paint, ink, coatings, chemicals, textiles, liquids, metal products and more.

Project Ionera

Ionera is a spin-off project at the University of Freiburg to commercialize a proprietary Multi-Electrode

Cavity Array (MECA) technology. It allows for the electrical detection and observation of single ion channel proteins as well as for the characterization of single molecules with biological nanopores. Ionera provides customized **MECA-Chips**, nanopore and channel protein reconstitution kits (**EasyRecon-Kits**) and offers **assay development** tailored for special applications. The product portfolio is completed by a read out device, developed with partners like the **Orbit 16**.

The Ionera Technologies GmbH will be founded by the end of 2013.

ProQinase GmbH

ProQinase is a leading biology contract service provider (CRO) dedicated to support pharmaceutical and biotech companies in the development of novel therapies for cancer treatment. The company has a long-lasting scientific experience in the fields of tumor angiogenesis and protein kinase research as proven by its contribution to two successful development projects in cancer going from scratch to clinical trials in Phase I and Phase III.

ProQinase offers a **Cancer Drug Discovery** Platform comprising a broad panel of products and off-the-shelf services as well as custom-tailored solutions for drug discovery in oncology. The kinase panel consists of more than 260 active kinases for sale and nearly 400 kinases for biochemical screening services. Hits can be further characterized in cell-based test systems (read-outs: phosphorylation, migration, 2D/3D proliferation and angiogenesis). Proof-of-concept in vivo studies can be addressed with established subcutaneous and orthotopic tumor models.

In the year 2012 ProQinase had successful collaborations with 11 of the top 12 pharmaceutical companies.

Rexam Healthcare Neuenburg GmbH

Rexam is a leading global consumer packaging company. We are one of the leading global beverage can makers and a major global player in rigid plastic packaging. We are business partners to some of the world's most famous and successful consumer brands. Rexam's sales from ongoing operations are in the region of £5,2 billion. We have 67 plants in more than 20 countries and employ around 11,000 people. Rexam is a member of the FTSE 100 and its ordinary shares are listed with the UK Listing Authority and trade on the London Stock Exchange under the symbol REX.

Rexam Healthcare provides solutions to protect and deliver pharmaceuticals. Building on our core expertise in plastic injection, injection blow-moulding and high-speed automated assembly, we design, develop and manufacture innovative packaging, including containers and closures, drug delivery devices, metering pumps and valves and medical components, to improve patients' health. Totally focused on healthcare, we also support our customers with regulatory knowledge and Good Manufacturing Practices compliance.

Rhenovia Pharma SAS

Rhenovia is an R&D biotechnology company, world leader in biosimulation applied to Drug Discovery & Development via partnerships for pharmacological profiling, target identification and validation, search for synergistic drug combinations, risk assessment for safety and toxicity of drug candidates or any kind of active compound.

Created in 2007 by professionals of the top-tier global pharmaceutical industry, world experts in neurobiology and pioneers in computational neuroscience, Rhenovia is headquartered in France, with a spin-off in Boston, USA. The company is composed of 25 employees and external collaborators in the US, Germany and Switzerland.

Rhenovia has elaborated innovative technologies and identified better treatments for diseases of the nervous system, focusing on Alzheimer's disease, schizophrenia, epilepsy, Parkinson's disease, as well as rare diseases like Huntington's disease.

Rhenovia's basic conceptual approach is to exploit the two major hallmarks of NS diseases: the complexity of biological systems by building mathematical models and computer simulation platforms, and the multifactorial feature of NS by searching for multi-target synergistic drug combinations.

High value-added services offered permit to:

- Boost drug candidates in development
- Improve success rates and efficacy
- Reduce development cost and time to market
- Prolong life cycles of patent-expiring drugs
- Leverage past and present investments by identifying synergistic drugs.

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SGS M-Scan GmbH

SGS M-Scan are the world's number one biopharmaceutical mass spectrometry & biophysical characterization service provider with over 30 years of industry leading, global regulatory proven experience. At our labs in Germany (Biotechpark Freiburg), Switzerland, the UK and the US we can provide GLP/GMP compliant analyses for biopharmaceuticals, from small molecules/new molecular entities and peptides through to proteins and glycoproteins, such as monoclonal antibodies. To date, we have worked on the top 30 biological products that have made it to market, as well as other originator, biosimilar and biobetter products still in development.

We have extensive experience of applying our specialist analytical skill-set at all stages of the product lifecycle from cell line selection, process verification, pharmacokinetic & metabolism studies through to final product characterisation.

Analytical packages can be designed to conform to the appropriate FDA/EMA/ICH guidelines (e.g. ICH Q6B for structural and physicochemical characterization). As an experienced, professional, independent partner in drug development, SGS M-Scan offers a global service and is dedicated to guiding and supporting clients from initial drug discovery through to full regulatory approval.

Simec AG

Simec AG is an independent analytical contract laboratory, founded in 1990. Our laboratory is GMP certified, ISO 17025, FDA-audited. Pharmaceutical, food and environmental analyses. We perform analyses, validations and method development with chemical, physical and microbiological methods. Modern, 24/7 controlled stability chambers for storage according to ICH guidelines. Large, worldwide network to satisfy most analytical needs. We are used to solve even complicated requests, as well as handling standard routine analyses.

Next to standard analyses we offer specials like Ultra-trace elemental analyses by Sector-field ICP-MS (SF-MS). Also routine elemental impurities analyses / validations according to new USP <232> / <233> are performed with this superior technology.

In cooperation with our partner, Analytical Services, we offer any kind of LC-MS and GC-MS related analytics and research.

We combine high quality (GMP, ISO 17025) with attractive pricing and excellent service and support.

Sony DADC BioSciences

Sony DADC BioSciences work with IVD, Life Science and Medtech organisations to develop polymer consumables including technology to enable micro & nano scale feature designs with challenging optical and imaging requirements.

We have technology to manage surface properties to enable designers to switch from silicon, glass and metal prototypes to meet with the desired application. Using our optical precision injection moulding capabilities coupled with our bonding and unique coating capabilities we can develop highly functional devices. These are designed to quality/ regulatory requirements (ISO 9001/ 13485), allow the manufacturing to be scaled into high volumes and capture economies of scale suitable for successful commercial market launch.

TriPol GmbH

Do you know that the **reason for problems** in projects or organizations lies in more than 50% of the cases in human factors? How can you recognize where things are deteriorating and require your attention, before it is too late?

Most companies know exactly which business and technical competencies they need for success. They give them priority. However, in more than 50% of the cases the cause for problems and crises lie in human aspects.

The success of an organization results from the product of business, technical and human competences.

➤ **Success = BxTxH[®]**

A simple formula with an enormous impact.

The TriPol barometer[®] shows the interaction of hard and soft factors and their interdependency. With this method you can see what distinguishes successful from unsuccessful teams and organizations. It is based on substantial analysis and experiences working with well over 1000 teams.

➤ With TriPol you can **see things you haven't seen** before and **optimize your success systematically**

We will give you a little insight in this fascinating topic and our experiences.

TriPol is a Spin-off from IBM and was founded in 2000 by Eva Bichsel a mathematician from the ETH in Zürich and organizational developer.

VivaCell Biotechnology GmbH

Vivacell Biotechnology GmbH is a privately owned contract-based research organisation (CRO) that provides specialised *in vitro* and *in vivo* models for testing and developing pharmaceuticals, nutraceuticals and natural compounds or extracts.

VivaCell's preclinical services include standard protocols but mainly protocols adapted to the needs of the customers using a variety of *in vitro* and *in vivo* systems.

VivaCell Ltd. is combining highly qualified cellular and molecular biology knowledge and expertise in various fields with a focus on immunology, CNS, oral care, cosmetics, nutraceuticals/food and natural products.

At VivaCell Ltd., we offer you complete research projects from basic R&D up to pre-clinical research (GLP) in one hand including marketing studies. We have demonstrated our expertise in a variety of research projects with clients from big pharma to small nutraceutical companies and with various pre-reviewed scientific publications in high impact journals.

We offer services for a large variety of indications:

- Immunomodulation: inflammation, common cold, arthritis, IBD, anti-viral, HIV etc.
- Central Nervous System: aging, neurodegeneration (Alzheimer's disease etc, mood, brain nutrition etc.
- Dermatology/Cosmetics/Hair
- Metabolic Disease/Diabetes/Obesity
- Oral care/Dental care
- Oncology / Angiogenesis
- Toxicology: genotoxicity, irritation etc.
- Food and Nutraceuticals
- Animal Health and Nutrition: pets/horses etc.



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Xenometrix AG

Xenometrix offers several bioassays, such as the "Xenoscreen YES/YAS" with yeast cells, with stably transfected human estrogen and androgen receptors. They detect compounds with agonistic and antagonistic hormonal activity on both receptors in the same kit. Associated with the endocrine disruptor bioassays, Xenometrix sells a new product line including different ex vivo human skins "XenoSkin H" for skin permeation and penetration studies.

The most important product line includes the several standardized, ready to use Ames mutagenicity assay kits "Ames MPF" and "Ames II" in an automatable liquid microplate format (microfluctuation assay) with significantly less compound consumption, less S9, less hands on time and less contaminated waste. Solid chemicals, liquids, drinking or waste water can all be tested with Ames MPF / Ames II system. Genotoxic compounds can also be detected within 6 hrs using the SOS response-based umuC Easy kit.



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Zymo Research Europe

Zymo Research Europe - Germany was established in 2009. Originally intended as a distribution support hub for Europe and the Middle East, it promoted Zymo's vision of "The Beauty of Science is to Make Things Simple." Whether Epigenetics, DNA, RNA, E. coli, or Yeast based research, the philosophy remains the same: Provide the highest quality products in the industry while ensuring they are both simple to use and reliable in their performance.

During the Spring of 2012 Zymo engineered the reorganization and expansion of its European location to bolster its product portfolio and streamline customer support and technical assistance. In addition to its distribution duties, research and development programs will be initiated at a new facility designed to accommodate state-of-the-art research.

Those at Zymo Research Europe - Germany encourage researchers, customers, and collaborators to continue to support us with feedback, suggestions, and criticism as it will help shape, streamline, and raise the standard of excellence of our product and service offerings. We look forward to continuing our work with you, the researcher, in exploring the continuously expanding frontiers of biological science.

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