

Book of Competencies

The S³SmartMed Network

MedTech companies, clinicians & researchers get together

ORGANISATIONS OF FIVE EUROPEAN REGIONS SHARE THEIR KNOWLEDGE & EXPERTISE
AUVERGNE-RHÔNE-ALPES, BADEN-WÜRTTEMBERG, PIEDMONT, UPPER SILESIA & WALLONIA



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MedSilesia
Silesian Medical Cluster



This initiative is part of the S³SmartMed project, the European Strategic Cluster Partnership (ESCP) for smart specialization investments in medical technologies, which has received funding from the European Union's COSME Programme (2014-2020).

The Project

S³martMed is an initiative co-funded by the COSME programme of the European Union, promoting a European Strategic Cluster Partnership to identify the key future investments priorities and joint activities for the emergence of interregional business collaborations in the Medical Technologies sector.

The purpose of the initiative is to foster interregional and cross-sectoral cooperation between European clusters and their SME members in the field of medical technologies through the establishment of a unique cluster partnership. Through its action, the project will participate to the implementation of the Smart Specialisation (S3) policies with their regions increasing the participation of industries, supporting the identification of priorities of investments related to the Medtech sector and contributing to the elaboration of future interregional funding schemes, in coherence with the current discussions with the S3 Medtech Platform.

The partnership will offer cooperation opportunities thanks to the organization of B2B and C2C networking at interregional level, involving SMEs, technological centres and key stakeholders from the partners' regions and beyond.

As a second step, once the interregional collaborations has been emerged and identified between stakeholders, the S³martMed partners will support these business collaborations in their maturation until the definition of investments/funding scenarios together with regional authorities.

The 5 five cluster partners of S³martMed - bioPmed (Piedmont), BioRegio STERN (Baden-Württemberg), BioWin (Wallonia), Lyonbiopole (Auvergne Rhône-Alpes), MedSilesia (Upper Silesia) are happy to welcome you to this unique event and hope to support you for your future collaboration in Europe.

Activities

To boost scientific and business collaboration between SMEs and RTOs in MedTech, at inter-regional level webinars and business brokerage events were organized.

To encourage the most promising collaboration ideas to become projects thanks to tailored clusters' advices, in collaboration with our Regional Authorities and the European Union we provide you this book of competencies to find your future cooperation partner.

Webinars

- ✓ Key facts on the new European MDR
- ✓ 3D printing in medical devices
- ✓ Artificial Intelligence in medical
- ✓ Horizon 2020 Calls: How to fund your transnational cooperation project
- *Webinar recordings on S3martMed website: <https://s3martmed.eu/>*

Tailored business/innovation advisory activities for high potential identified project ideas and support for funding schemes.

- ✓ 1st Brokerage Event “S3martMed needs SmartTech” in Tübingen
- <https://s3martmed-2019.b2match.io/>
- ✓ 2nd S3martMed Brokerage Event, online
- <https://s3martmed-brokerage-event.b2match.io/>

Funding Support

We support your interregional collaboration project








































The S3martMed network provides excellent opportunity to find business, research and technical partners and supports you in realizing your new collaborative business projects and partnerships between SMEs and/or RTOs. This book of competences helps you to find suitable business partners from the MedTech area located in the five partner Regions - AUVERGNE-RHÔNE-ALPES, BADEN-WÜRTTEMBERG, PIEDMONT, UPPER SILESIA & WALLONIA.








































Entrepreneurs, developers and researchers active in the MedTech area who decide to start collaborations with other partners will receive access to dedicated services of our five clusters (<https://s3martmed.eu/>). Finally, an extra benefit will be available to those actively networking – an individual meeting with experienced project managers and representatives of S3 Platform in April 2020. This meeting will be dedicated to discuss future funding possibilities and challenge the ideas on collaborative projects.

List of the Organizations joining the S3smartMed events

	bioPmed / Bioindustry Park Silvano Fumero	Cluster Organisation
	BioRegio STERN Management GmbH	Cluster Organisation
	BioWin	Cluster Organisation
	Lyonbiopole	Cluster Organisation
	MedSilesia Cluster	Cluster Organisation
	2KMM sp. z o.o.	Research Organisation
	3c-Health	Company
	3d.FAB-ICBMS UMR5246	University
	3D-Side	SME
	ABC Farmaceutici	Manufacturer
	ACCREA Engineering	Private Company
	ACS Biotech	Start-ups / SMEs
	Additive Flow	Start-ups / SMEs
	ADERLY - Invest In Lyon	Public authorities
	ALTA Ltd.	Start-ups / SMEs
	Andramed GmbH	Manufacturer
	ASE Optics Europe	SME
	ATMED	Company
	Avertim	Comapany
	AXO Science	Start-ups / SMEs
	Bentley Global	Manufacturer
	BIOASTER	Research Organisation
	Bioindustry park	Large Company
	BioMed X GmbH	Start-ups / SMEs
	Bioneed	Start-ups / SMEs
	Biosency	Start-ups / SMEs
	BioMed X GmbH	Start-ups / SMEs
	BizIOs	Consulting
	Borgware	Service Provider
	Brom Epithetik	Manufacturer
	CABIOMEDE Ltd.	SME
	Cancer Research Center of Lyon	Research Center
	CARDIAGS	Manufacturer
	CARPACCIO.cloud	Start-ups / SMEs
	CARROUCELL	Start-ups / SMEs
	CEA-LETI, Clinatec	Research Center
	Ced medical transformers	Start-ups / SMEs

	Cellenion	Start-ups / SMEs
	Centre of Excellence in Information and Communication Technologies (CETIC)	Research Center
	Centre Leon Berard (CLB)	Research Center
	Cerhum	Company
	Cicada Technologies	Start-ups / SMEs
	Clinical Consulting	Research Organisation
	CNRS / LIA ALPhFA	Research Center
	Colugo GmbH	Consulting
	Covartim	Start-ups / SMEs
	CTIBiotech	Start-ups / SMEs
	DESSINTEY	Start-ups / SMEs
	DITF Denkendorf	Research Institute
	DNAlytics	Company
	Dr Stanislaw Sakiel Burn Treatment Centre	Clinicians
	ECD YAZILIM VE BILISIM TEKNOLOJILERI AS	Start-ups / SMEs
	EDAP TMS	Start-ups / SMEs
	Efficient Robotics GmbH	SME
	EGZOTech Sp. z o.o.	Start-ups / SMEs
	Electronics Engineering in Bursa Uludag University	University
	EPflex Feinwerktechnik GmbH	Consulting
	European Synchrotron Radiation Facility (ESRF)	Research Center
	EVERTOP Sp. z o.o.	Start-ups / SMEs
	FABULOUS	Research Center
	Fluoptics	Company
	Foundation of Cardiac Surgery Development	Research Organisation
	Fraunhofer IGB	Research Organisation
	Fraunhofer IPA	Research Organisation
	Fraunhofer IPA-PAMB	Research Organisation
	Future-Processing S.A.	Company
	Ganso sp. z o.o.	Company
	G.life Technology	Start-ups / SMEs
	Grenoble INP (LMGP lab)	Research Center
	HAPTIC R&D CONSULTING	Start-ups / SMEs
	Hawai.tech	Start-ups / SMEs
	Herniamesh	SME
	Human Waves, scrl	Company
	Infotower Business Solutions sp. z o.o.	Major groups
	INL INSA de Lyon	Research Center
	INSAVALOR	Research Center
	INSERM - SBRI	Research Center

	IntelliSemantic	Start-ups / SMEs
	Intuity Media Lab GmbH	Service Provider
	Janssen Pharmaceutica	Large Company
	JLM Innovation	SME
	Kardio-Med Silesia	Research Organisation
	K-Tree s.r.l.	Start-up
	LaMCoS	Research Center
	Logosnet	Research Center
	Ludocare	Company
	LuxFlux GmbH	SME
	Lyon 1 University (LBTI lab)	University
	Manutech USD	Research Center
	MEDI-LINE	Company
	Medtronic	Company
	Meidrix Biomedicals GmbH	Manufacturer
	Merz Medizintechnik GmbH	SME
	Metronom Health	Company
	Mexbrain	Company
	Microlight3d	Company
	Mindsailors - industrial design studio	Start-ups / SMEs
	Modjaw	Company
	NETRI SAS	Company
	NMI Natural and Medical Sciences Institute at the University of Tübingen	Research Organisation
	novineon CRO GmbH	Consulting
	Novotec	Company
	NPS NanoPolymerSolutions	University
	Ovesco Endoscopy AG	Company
	OVIZIO IMAGING SYSTEM	Company
	Phasya	Company
	PHATOPHY	Start-ups / SMEs
	PLASTIBELL	Manufacturer
	Politecnico di Torino	University
	Politecnico di Torino, Department of Mechanical and Aerospace Engineering	University
	PolyMedics Innovations GmbH	Manufacturer
	Praxi Network/ Science and Technology Park of Crete	Start-ups / SMEs
	PROGETTI MEDICAL	Major groups
	Proplast	Clusters / Foundations
	ProPlus	Company
	PSYKOLAB	Start-ups / SMEs

	PX Therapeutics	Company
	Quality by Design	Start-ups / SMEs
	Regional Center of Blood Donation and Treatment Katowice (RCKiK)	Research Center
	Région Auvergne Rhône-Alpes	Public authorities
	Reutlingen Research Institute	Research Center
	Reutlingen University	University
	Revolve - Med Software House	SME
	Scienion	Start-ups / SMEs
	SHS Gesellschaft für Beteiligungsmanagement mbH	Investment/Financing
	SIBIUS	Start-ups / SMEs
	Silesian University of Technology, Faculty of Biomedical Engineering	University
	Silony Medical	Manufacturer
	Sinnovial	Company
	Skygate	Start-ups / SMEs
	Soladis	Company
	Sorin Group Italia s.r.l.	Manufacturer
	South-East Asia Intellectual Property SME Helpdesk	Public authorities
	South Transdanubian Innovation Agency	Clusters / Foundations
	State Development Corporation of Thuringia / ThCM	Public authorities
	Steinbeis 2i GmbH	Consulting
	Stemcell Technologies	Major groups
	SUBLIMED	Company
	Synergia Medical	Company
	Technomex	Start-ups / SMEs
	Tecnologie Avanzate	Company
	The Silesian University of Technology	University
	THUASNE	Major groups
	Toray Industries, Inc.	Manufacturer
	Trasis	Company
	Trinity Centre for Biomedical Engineering	Research Center
	TU Darmstadt	University
	Université de Mons - Automation Laboratory	University
	University Hospital of Lyon (HCL)	University
	University Hospital Tübingen	University
	University of Tübingen – Institute for Ophthalmic Research	University
	us4us Ltd.	Company
	Verhaert	Company
	VetAgro Sup	Research Center
	Vimex Sp. z o. o.	Company



WAMTECHNIK Sp. z o.o.

Clusters / Foundations



Warsaw University of Technology - CEZAMAT

University



WÓJCIK DESIGN

Company



bioPmed / Bioindustry Park Silvano Fumero

Cluster Organisation

<http://www.biopmed.eu>

Eugenio Mimosi, Project Manager

✉ mimosi@biopmed.eu

Colletterto Giacosa - Torino, Italy

Organisation Description

bioPmed is the Italian innovation cluster dedicated to health care related products and services established in 2009 by Regione Piemonte in the framework of the ERDF – POR 2007-2013 program. bioPmed brings together companies, research centers, universities and foundations, promotes research-industry interactions and stimulates innovation and internationalization. The bioPmed cluster initiative is led by Bioindustry Park Silvano Fumero. bioPmed offers dedicated funding for research projects and feasibility studies, high value-added specialized services and international networks to support industry competitiveness and to favor the convergence of public and private investments towards common development paths.

Areas of Activity

Business Development; INNOVATION SERVICES: R&D financing for the healthcare sector, project building and management, technology transfer and technology brokerage, patenting and intellectual property rights management; INTERNATIONALIZATION SERVICES: Sectorial market intelligence, support for trade fairs and b2b events, soft landing on new market, technology partners search; BUSINESS DEVELOPMENT SERVICES: Competitive intelligence, search for investors, promotion of research results, business networking; MARKETING: promotion and communication, positioning and marketing of bioPmed brand, storytelling; TRAINING: Technical and regulatory courses, workshops on new trends and new business opportunities

Organisation Description

BioRegio STERN Management GmbH offers inter-municipal funding to stimulate the economy for a region with 248 towns and local authorities and a total of 3.3 million inhabitants. With a GDP of over EUR 150 billion, this region's economic power is comparable with the entire Czech Republic.

At the heart of the cluster are 120 medtech companies, with more than 12,000 employees, and 110 biotech companies, employing over 4,000 staff. The more than 1,000 engineering companies – around 40 of which are already active in the life sciences – are increasingly important. All in all, some 18,000 jobs have been created in the region's life sciences sector.

Areas of Activity

Business Development; Supportive services in biotechnology, medical engineering, automation, digitalization; Supporting SMEs of the biotechnology and medical technology area in networking, investments, founding; Organising events: networking, information, trainings, regulatory, awards; Promoting dialogue between SMEs and RTOs from the biotechnology and medical technology sector. We have long lasting cooperations with different Cluster Organisations from the Netherlands, e.g. Interreg NWE projects and are partner of several interregional EU-funded projects: Boost4Health, Codex4SMEs, Blockstart, S³martMed.



BioWin
Cluster Organisation
<https://www.biowin.org>

Joëlle Gahimbare, European Project Manager
✉ Joelle.gahimbare@biowin.org
Gosselies, Belgium

Organisation Description

BioWin was created in July 2006 and today is the key reference in the field of health biotechnology and medical technologies in Wallonia (a region located south of Brussels, Belgium). The cluster brings together Walloon players who are involved, at every stage, in the research, development and production of innovative products and services: academic and clinical research laboratories, accredited research centers, large industrial groups, small and medium-sized enterprises (SMEs), service providers, engineering colleges and universities, business incubators, investors, policy makers and associated bodies.

Areas of Activity

- To support all aspects of R&I projects (national or EU level)
- To accelerate the international development for the following geographical area: Europe, USA, Canada, Asia Pacific and Israel
- To attract investors to sustain company growth
- To organize theme-based events
- To develop trainings and to advertize jobs
- To provide national and international visibility of members key messages

Organisation Description

Lyonbiopole is positioned as a world class cluster, the one one-stop shop for healthcare innovation in the Region Auvergne Rhône-Alpes, France. Lyonbiopole gathers a community of more than 230 members including 6 world-class leaders as Lyonbiopole's founders (Sanofi, bioMérieux, Boehringer Ingelheim, BD, Fondation Mérieux and CEA), 15 intermediate companies and multinational corporation's subsidiaries, 17 research centers and 190 SMEs. One of the main missions of the cluster is to boost R&D collaborations between academics, SMEs and large companies, supporting the emergence of innovative projects and solutions, with a European dimension. Lyonbiopole is the coordinator of the S³martMed project and is happy to foster connection between regional innovative players in biotech and medtech fields.

Areas of Activity

To nurture, grow and support collaborative R&D programs at regional and EU levels (information about the calls, advice to build-up consortium and project application...)
To support SMEs in strategic partnerships for business development, access to private funds and investors, expertise
To encourage the internationalization of SMEs and the international influence of the region's ecosystem.



MedSilesia Cluster

Cluster Organisation

<http://www.medsilesia.com>

Izabela Czeremcha, Cluster Manager

✉ iczeremcha@gapr.pl

Gliwice, Poland

Organisation Description

MEDSILESIA – Silesian Medical Cluster - consists of 127 innovative companies, R&D units, hospitals, healthcare facilities and universities. MedSilesia Cluster concentrates on innovative technologies in the field of rehabilitation, surgery and orthopaedic tools, diagnostics and cardiology.

One of our goals is to create the Competence Centres in the field of telemedicine, cardiology, rehabilitation and smart hospitals.

Our mission is to ensure an effective platform for collaboration and dialogue between enterprises, research and development units; enhancing the most efficient combination of the potentials of all parties to implement innovative solutions, technology and knowledge transfer, exchange of experiences and implementation of joint projects affecting the global value chain.

Areas of Activity

Funding and Investment; MRI; Orthopaedics; Medical and health data analysis (big data); 3D (bio)printing; Endoscopy; Diagnostics; Laboratory / CRO; Production; Testing & Analysis; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); IoT; Cardiovascular; Rehabilitation; Design / R&D / Engineering; Imaging; Operating technology, operating equipment; Surgical instruments; Oncology; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Artificial Intelligence; Artificial organs; (Bio-)materials; Service / Maintenance / Supply; Medical imaging machines (X-Ray, MRI, CT scan); Implants and prosthesis; Regenerative Medicine; Telemedicine; Business Development



2KMM sp. z o.o.
Research Organisation

Przemyslaw Mistur, CEO
Al. Wojciecha Korfantego 83
40-160 Katowice, Poland
www.2kmm.eu

Organisation Description

2KMM CRO is a technology driven, trusted provider of comprehensive services and solutions supporting execution of research projects for pharmaceutical industry, biotechnology, medical devices and healthcare.

As a contract research organization 2KMM offers the highest quality standards and effective support to clinical trials, observational studies and patients registries with the use of its proprietary, cutting-edge electronic data capture tools ecosystem named GoResearch™ EDC.

Areas of Activity

Clinical trials, observational (non-interventional) studies and patients registries:

- eCRF design and development
- Real World Data (RWD) integration (ePRO, eCOA, eSource and mHealth)
- clinical data management
- biostatistics
- medical writing
- clinical project management

Marketplace

Products

GoProject™

GoProject™ is a validated multimodule software platform for project and quality management, integrating key processes of a modern, quality driven organization. It offers a wide range of features to support organizations' day-to-day activities in the following areas:

- project management with activity tracking,
- Standard Operation Procedures (SOPs) management,
- Learning Management System (LMS),
- centralized personnel CV management.

GoResearch™ EDC

GoResearch™ is a fully validated, innovative internet platform for electronic data capture (EDC) created by 2KMM for research projects such as clinical/observational studies and patients registries. It offers a wide range of features supporting such projects in various areas such as:

- data collection with the use of individually customized case report forms (eCRF),
- configuration of the information flow and the Adverse Events management procedures (including automatic e-mail notifications to safety departments),
- random allocation to a treatment arm through the built-in randomization module,
- real-time validation of the registered data (Edit Checks),
- full tracking of data modifications (Audit Trail),
- management of queries with an option of automatic query generation,
- Source Data Verification (SDV),
- ePRO, eSource and mHealth data integration through dedicated mobile and/or web applications or flexible application programming interface (API).

GoResearch™ meets all industry standards applicable to such systems, including FDA's 21 CFR Part 11 regulatory requirements and specific areas of GCP regarding electronic data.

Expertise

Clinical trials, observational (non-interventional) studies and patients registries:

- eCRF design and development
- Real World Data (RWD) integration (ePRO, eCOA, eSource and mHealth)
- clinical data management
- biostatistics
- medical writing
- project management

Service

Clinical trials, observational (non-interventional) studies and patients registries:

- eCRF design and development
- Real World Data (RWD) integration (ePRO, eCOA, eSource and mHealth)
- clinical data management
- biostatistics
- medical writing
- project management

Partnership

Having already a good track record as a Horizon 2020 international consortium's partner, we're ready to offer our expertise and support in the area of clinical research services or advanced IT tools.



3c-Health

Company

<http://3c-health.com/>

Montpellier, France

Organisation Description

3C Health develops connected medical devices to help prevent cardiovascular diseases. Using a patented optical technology, our solution allows a non-invasive, easy and economical measurement of arterial stiffness, strong cardiovascular biomarker.

Areas of Activity

Cardiovascular; Connected Health; ICT for Health



3d.FAB-ICBMS UMR5246

University

<http://fabric-advanced-biology.univ-lyon1.fr/>

VILLEURBANNE, France

Organisation Description

3d.FAB is the only French Plateforme Technologique Innovante dedicated to academic and private innovation through 3D printing, in the field of health. We have two main areas of expertise :

For biochemistry, especially diagnosis with prototyping 3D lab-on-chip, novel materials for 3D medical devices, biocompatible polymers and cell-size 3D printing.

For regenerative medicine through dedicated living cells and tissues printers.

Areas of Activity

Regenerative Medicine; Regenerative medicine; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Laboratory technology; Laboratory / CRO; Ears/nose/throat; Design / R&D / Engineering; Artificial organs; (Bio-)materials; Implants and prothesis; Dermatology; Oncology; Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); 3D (bio)printing; Additive manufacturing; Hygiene, sterilisation, disinfection; Laboratory technology; Operating technology, operating equipment;



3D-Side

SME

<http://www.3dside.eu>

Mont st Guibert, Belgium

Organisation Description

3D-Side provides medical companies with a web platform "Customize" (SaaS) to efficiently market custom-made devices. From images to 3D printing, it consists of smart tools for planning, communication with the medical team and supervision of the production & quality of patient specific implants and instruments.

Alongside this service, 3D-Side set up an ISO13485-certified workflow to market, two major products based on proprietary software, additive manufacturing technology and a strong knowledge in surgical field: custom cranial implants and instruments for complex bone surgery.

Areas of Activity

Surgical instruments; Aesthetic medicine; Cardiovascular; Dentistry; Ophthalmology; Implants and prothesis; Regenerative Medicine; Regulatory, MDR, IVDR; Service / Maintenance / Supply; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); 3D (bio)printing; Artificial Intelligence; Diagnostics; Neurology; Oncology; Regenerative medicine; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Additive manufacturing; Ears/nose/throat; Orthopaedics; Design / R&D / Engineering; Production



ABC Farmaceutici

Manufacturer

<http://www.abcfarmaceutici.it/>

Ivrea, Italy

Organisation Description

ABC is an Italian pharmaceutical group established in 1925, committed to research, development, manufacturing and commercialization of pharmaceutical products and active ingredients. As far as concern the industrial development, ABC Farmaceutici is present with up-to-date production equipment for the manufacturing of pharmaceutical products and active ingredients. In fact, the Company follows the whole supply chain of the drug, from the active ingredient to the manufacturing of the finished product, till their promotion and sale.

The manufacturing plants are sited in the northern Italy: the San Bernardo d' Ivrea (Torino) plant, a modern example of high technology in the pharmaceutical manufacturing field, and the Trecate (Novara) plant for the production of the active ingredient. These constitute for ABC group an industrial reliable support for the development of new molecules.

Ethicalness, competence and experience allowed ABC Farmaceutici to become the partner of the main pharmaceutical multinational Company also in the contract manufacturing activity related to the finished dosages forms.

Areas of Activity

Pharmaceutical; Gastroenterological; Pneumological;
Contract Manufacturing; R&D; Xanthine Derivative;
Formulations



ACCREA Engineering Private Company

Name: ACCREA Engineering
✉ sales@accrea.com
Street Hiacyntowa 20
City 20-143 Lublin, Country Poland
Web: www.accrea.com

Organisation Description

ACCREA is a research-oriented company specialized in designing and manufacturing of various prototypes. Company was established in May 2007.

ACCREA is equipped with modern mechanical and electrical for manufacturing, assembling and testing of prototypes and small runs.

Our assets:

- *Complex project management: from development and prototype manufacturing to optimization of production technology.*
- *Short series or unit production, Rapid Prototyping techniques applied.*
- *Interdisciplinary and complex approach in order fulfilment.*
- *Guaranteed design compatibility with the final result.*
- *Modern, well-equipped mechanical and electrical workshop (CNC routers, Laser-cutters) for manufacturing, assembling and testing of prototypes and small runs.*
- *Creative, flexible and individual approach to customer's expectations.*
- *Look, design, and graphics care.*


Areas of Activity Robotics for Medicine; Therapeutic Area

Marketplace

Products

ARIA is an intelligent and very light robotic arm.

Robotic arm can be equipped with a needle to support biopsies, or with an endoscope or a retractor to support surgeries. The intelligent guidance of the needle, the endoscope or the retractor increases the efficiency of procedures and surgical interventions, and – in case of CT supported procedures – reduces doctors' exposure to radiation. Moreover, the arm can be operated remotely helping doctors to perform telemedical diagnostics in remote locations from their home hospital.



Aria mounted on a wheelchair provides support in everyday activities – eating, drinking, opening the door etc. It is ultra-light, safe and very compact which provides high level of convenience and independence.

Expertise

Extensive experience in implementing projects for medicine:

ARIA – sensitive & safe robotic arm for medical application.

Robotic Platforms – medicine logistic.

RAMCIP – robot research to help people with mild cognitive impairment.

ReMeDi – remote medical diagnostician.

MOBOT – supporting mobility for older people.

Partnership

Our company is interested in participating in joint projects on mutually beneficial terms.

Project Cooperation

Our company is interested in participating in joint projects on mutually beneficial terms.

Investment Opportunity

Our company is interested in investments on mutually beneficial terms.



ACS Biotech

Start-ups / SMEs

<https://www.acsbiotech.com>

Villeurbanne, France

Organisation Description

ACS Biotech has developed a cartilage repair product based on the chondrocyte transplantation technique.

ACS Biotech has developed a new product based on the optimization of the transplantation chondrocytes technique with chitosan as a support for cells. Our innovative 3D matrix composed with chitosan hydrogel and associated with chondrocyte yields to a cartilage gel like hyaline (patented).

ACS Biotech aims at proposing a solution:

- Reliable & safe*
- Effective*
- Durable with one shot injection*
- Implantable*
- With a perfect control of cells and cartilage matrix before use*
- Reparative to cure patients with cartilage defects all around the world*

Areas of Activity

Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); 3D (bio)printing; Additive manufacturing; (Bio-)materials; Components / Materials; Biotechnology; Biomaterials; Cartilage engineering; Rheumatoid arthritis



Additive Flow

Start-ups / SMEs

<https://www.additiveflow.com/>

London, United Kingdom

Organisation Description

GLOBAL TOP 30 COMPANY: Manufacturing, Materials, AI

<https://develop3d.com/the-d3d-30/>

Additive Flow's multi functional software provides the key to unlocking the multi material, multi parameter process capabilities of Advanced Manufacturing, which, to date, the capabilities of design and/or optimisation software has not been able to match. In so doing, Additive Flow's technologies empower users to take manufacturing further than it has ever gone before for applications across many industrial sectors.

Areas of Activity

Software; Additive manufacturing; 3D (bio)printing;
Anisotropic Optimisation; Multi-Property Allocation &
Optimisation;
Single and Multi-Material

ADERLY - Invest In Lyon

Public authorities

<https://www.aderly.com/>

LYON, France

Organisation Description

Aderly - Invest in Lyon is the economic development agency of the Lyon region. We offer a full panel of free of charge services to companies wishing to develop their business in our region. With 350 medtech companies (including the world's top 10), 17 research centers, 6 main clinical centers and a first-in-class life sciences cluster, the Greater Lyon area belongs to the leading European MedTech regions and is a central gateway to the French and European markets. Join this dynamic network by investing close to your strategic clients and partners.

Areas of Activity

Business development; Business support; Legal & fiscal; Business & Partnerships; Human resources; Financial; Real estate; Communication.



ALTA Ltd.
Start-ups / SMEs
<http://www.alta.pl>

Siemianowice Śląskie, Poland

Organisation Description

We help people and organisations to develop. We develop and provide innovative psychological solutions which help to identify and develop human potential.

We develop and sell comprehensive systems for supporting effective psychological assessment, current and future potential as well as development as such – beginning with recording the test, execution of the test, scoring, interpretation and recommendations through storing and later access; if we add services to the mix, e.g. HRM or assessment in the area of transport psychology supported by such systems, we achieve comprehensive solutions.

Areas of Activity

Psychological diagnostics and assessment; Rehabilitation;
HR management

Andramed GmbH

Manufacturer

<http://www.andramed.com>

Reutlingen, Germany

Organisation Description

We are developing, manufacturing and distributing minimal massive medical devices, like Stents, Balloon catheters, different Retrieval Devices and Valvulotomes.

Areas of Activity

Material specialist; Implants and prothesis;
Cardiovascular; Design / R&D / Engineering; Production;
Sales & Distribution; Service / Maintenance / Supply;
Implants and prothesis

ASE Optics Europe

SME

Barcelona, Spain

Organisation Description

ASE Optics specializes in optical design, engineering and development of custom systems integration and product development. ASE goes beyond optics: we offer integrated solutions for OEM customer products.

From concept to production, we achieve the stringent specifications required by high-end applications and unique requisites, end-to-end. With our vertically integrated engineering and assembly capability, we can deliver high quality and superior performance electro-optic and opto-mechanical systems

We design optical systems that improve reliability and performance. Our focus on optical engineering is based on the needs of our customers.

Areas of Activity

Other; Imaging;Surgical instruments; Dermatology;
Diagnostics; Medical imaging machines (X-Ray, MRI, CT scan); CT scan; Laboratory technology;
Readers/instruments; Ophtalmology; Others



ATMED Company

Name: Agencja Techniki Medycznej ATMED
Joanna Rafalska
Street Sikorskiego 26/64
Katowice, Poland
atmed@rafalski.med.pl

Organisation Description

Agencja Techniki Medycznej ATMED Joanna Rafalska is a company that continues the activities of people associated with the creation and constant improvement of the "R" external stabilizers system (one of the first Polish external stabilization systems). It also offers an innovative original set of tools for cartilage defect repair "bs" the idea of dr. Bogusława Sadlik from the clinic in Bielsko-Biala. We also offer several types of orthopedic tools, created in collaboration with doctors and according to their suggestions.

Areas of Activity

Orthopedics
Orthopedic instruments

Marketplace

Products

Bs chondrectomes according to the idea of Dr. Bogusław Sadlik are used to repair focal cartilage damage within the knee and ankle joint. They enable rapid and effective development of a necrotic cartilage outbreak before using bone marrow stimulation techniques or bioimplant implantation.

External fixators system "R"



Avertim

Company

<https://www.avertim.be/>

Bruxelles, Belgium

Organisation Description

Avertim is specialized in selected high-level services, across a diversified range of strategic sectors including Life Sciences, banking & Insurance, Telecommunications, transport & Mobility, Energy.

Areas of Activity

Product & Service Management; R&D & Innovation Management; Business Process Management; Risk & Compliance Management; PMO & Portfolio Management; Project & Program Management; Change Management; Operational Excellence



AXO Science

Start-ups / SMEs

<http://www.axoscience.com>

Villeurbanne, France

Organisation Description

AXO Science is a biotechnology company focused on innovation in the field of molecular biology and forensic science.

Areas of Activity

Biotechnology; Diagnostics; Molecular biology; Forensic science; Blood genotyping; Pathogen detection



Bentley Global

Manufacturer

<https://www.bentley.global/home#besmooth-peripheral>

Hechingen, Germany

Organisation Description

Bentley is a medical technology company with headquarters in the South of Germany. Bentley's passion is the development, manufacturing and distribution of innovative implants for minimal-invasive treatments of vascular diseases. Following our belief that high-end medical technology is the key to better patient care and health, they focus on the development of unique products and strive to find innovative answers to questions raised by the healthcare industry.

Since market launch in 2012 Bentley rapidly expanded worldwide. Thanks to the international network of exclusive distribution partners Bentley is represented in more than 70 countries – in some they are already market leader.

Every day Bentley works hard to satisfy customers needs and to make their products the gold standard in endovascular treatments to improve patient and hospital outcomes around the globe.

Areas of Activity

Development; Research; Trading/Distribution; Medicine; Medical Products



BIOASTER

Research Center

<https://www.bioaster.org/>

Lyon, France

Organisation Description

BIOASTER is a new model dedicated to technology innovation in the field of microbiology to facilitate multidisciplinary projects across the 4 fields of applied technology: Microbiota, Vaccines, Diagnostics & antimicrobials. Complementary and colocated scientific & technology expertise integrating the must have in 7 microbiology technology units. Innovation through collaboration: from inception to deployment, projects follow a rigorous yet agile process, ensuring creativity and flawless operational quality. Expanding creativity, adding value, together.

Areas of Activity

Applied Microbiology; Biological Collections & Microbiology; Pre-clinical Models & Imaging; Proteins & Expression Systems Engineering; OMICS Hub; Biological Microsystems & Advanced Optics Engineering; Data Management & Data Sciences



Bioindustry park

Large Company

<http://www.bioindustrypark.eu/>

Colleretto Giacosa, Italy

Organisation Description

Bioindustry Park “Silvano Fumero” promote and develop Life Sciences research and innovation by hosting and supporting companies, start-ups and research institutions. Bioindustry Park offers a full range of services aimed at the creation and development of life sciences and health care start-up and spin-off companies not only by providing laboratories and facilities, but also thought valuable scientific and business support services.

EX2O: consulting services in innovation management, technology transfer (EVOLUTO TT Initiative), exploitation strategy, start-up growth support (DISCOVERY NEXT program).

Business Development Services: we are active in providing business development support to Life Sciences start-ups, private companies and BioPmed associated companies to structure, accelerate and growth their business project. We support them in business model identification, writing a business plan, search for investors and funding, perform market analysis and product positioning, business intelligence, technology transfer, patentability, technology assessment and project managing. We also facilitate market access through our worldwide network.

Areas of Activity

IoT; Testing & Analysis; Regenerative Medicine; Business Development; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Dentistry; Dermatology; Investment/ Financing; Laboratory / CRO; Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); Regulatory, MDR, IVDR; Medical and health data analysis (big data); Cardiovascular; Imaging; Regenerative medicine; Service / Maintenance / Supply; Drug delivery devices; Orthopaedics; Neurology; Design / R&D / Engineering; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Hospital information system; IVD kits; Wearables; Diagnostics; Oncology; (Bio-)materials



BioMed X GmbH

Start-ups / SMEs

<https://bio.mx>

Heidelberg, Germany

Organisation Description

Independent research institute working at the interface between academia and industry, and focusing on biomedical research projects in the fields of oncology, immunology, neuroscience, and respiratory diseases.

Areas of Activity

Biomedicine; Molecular biology; Cell biology; Diagnostics;
Biomedical preclinical research; Translational medicine



Bioneed

Start-ups / SMEs

<http://www.bioneed.fr>

Lyon, France

Organisation Description

Expert in marketing of innovation (strategic & operational), business design and development in HealthTech sector.

Areas of Activity

Business development; Marketing; Biotechnology;
Regulatory affairs & Pricing market; Analysis of scientific &
strategic data; Communication strategy and supports



Biosency

Start-ups / SMEs

<https://biosency.com/>

Lyon, France

Organisation Description

Medical Device Manufacturer aiming to facilitate the management of chronic respiratory diseases

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Wearables; Respiratory diseases



BizIOs
Consultancy
<http://www.bizios.de/>

Neuhausen ob Eck, Germany

Organisation Description

Management of intellectual property rights; IP research (patents, trademarks, designs); FTO analyses; IP audits; IP mining and valuation; Implementation of the requirements as defined by the EU directive 2016/943

Areas of Activity

BizIOs moderate those processes related to intellectual property, building the link between product development, marketing and patent attorneys. We deliver support for your business development activities. Consolidating captured intangible assets with market analyses and customer needs, BizIOs will help your company to access new business opportunities.



Borgware

Service Provider

<https://www.borgware.de/>

Haigerloch, Germany

Organisation Description

In 1983, enthusiasm for combining stability, flexibility and reliability in handling sensitive data became a never-ending passion. For more than 35 years now, BORGWARE has stood for IT competence, always looking ahead. Our promise is tailor-made IT solutions for successful, medium-sized companies that are tailored to the needs of our customers in every detail.

Areas of Activity

Software & Hardware & Database Maintenance; remote maintenance; On-site support if necessary; First & Second Level Support; Regular call overview; Direct contact with system engineers



Brom Epithetik

Manufacturer

<http://www.brom-epithetik.de>

Heidelberg, Germany

Organisation Description

Brom Epithetik since 2006 in Heidelberg.

In close cooperation with the attending surgeons and clinics we supervise and accompany our patients from the planning to the finished epithesis and beyond.

Our goal is the best possible and personalized epithetic care for the patient.

We attach great importance to the use of most modern materials and technologies. Cochlear's Vistafix 3 implant system, 3D technologies, digital skin color measurement and selected medical devices from Cosmesil.de are used.

Today, extraoral implants are state of the art!

Areas of Activity

Material specialist; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Implants and prothesis; Aesthetic medicine; Ears/nose/throat; Others; Components / Materials



CABIOMEDE Ltd.

SME

<http://cabiomedede.com>

Kielce, Poland

Organisation Description

CABIOMEDE was founded in 2016 by four Biomedical Engineering graduates. We are passionate about engineering design, numerical analysis and rapid prototyping technology.

We want to provide small and medium-sized companies advanced 'on demand' R&D services. Our clients do not have to build own R&D departments to have the access to the advanced technological background. Our mission is to help our clients grow and develop their products.

We offer a comprehensive combination of R&D services – from product designing, quality documentation and FEM analysis preparing, to verifying the results analyses by the prototype testing under real-world conditions and optimizing the production process.

Our main goal is to improve the quality of existing products on the medical market, as well as looking for some new advanced solutions of high technology.

Areas of Activity

Additive manufacturing; (Bio-)materials; Physiotherapy, orthopaedic technology; Testing & Analysis; Material specialist; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Implants and prothesis; Operating technology, operating equipment; Surgical instruments; Design / R&D / Engineering; Production; Other; CT scan

Organisation Description

Our group is investigating the determinant role of the nutritional microenvironment in the pulmonary cell phenotype. Indeed, multiple pathophysiological contexts, including embolism, fibrosis, cancer,.. are associated to variation in the nutrients availability. Particularly, restricted access to glucose, amino acids or oxygen content in the microenvironment are now considered to contribute to the disease development and also treatment resistance.

However most of in vitro studies are performed by using extraphysiological media and do not reflect the tissue homeostasis. We are working on modeling the nutritional microenvironment in 3D models for closely reproduce the normal and tumor nutritional perfusion status of the lung in order to propose relevant models to academics and the industry.

Areas of Activity

Research in tumor escape; Resistance & immunity;
Research in cancer initiation & Tumor cell identity;
Oncology; L3 laboratory; Tumor model laboratory;
Malignant cell metabolism, in vivo & in vitro modeling of
nutritional microenvironment



CARDIAGS

SME - Manufacturer

<https://cardiags.com>

Lyon 8eme arrondissement, France

Organisation Description

Medical device technology

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Design / R&D / Engineering; Testing & Analysis



CARPACCIO.cloud

Start-ups / SMEs

<http://carpaccio.cloud>

Lyon, France

Organisation Description

CARPACCIO.cloud operates in the Digital Pathology space offering a custom, high throughput quantitative and qualitative histological image-analysis service with unsurpassed quality and speed. Currently focusing on muscle cross-sections and biopsies from tissues of similar architecture, we measure key parameters, presented in an easy to read report to assist the pathologist in formulating a diagnostic or the researcher in appreciating the physiological state of the tissue. Distributed as a full-service and soon be available via a web interface accessible from any terminal – desktop, laptop, tablet, smartphone - anywhere in the world!

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Microscopy; Histopathology; Automation



CARROUCELL

Start-ups / SMEs

Sainte-Hélène-Du-Lac, France

Organisation Description

Carroucell is an industrial company bringing a breakthrough in the field of “sol-gel process”. This innovation allows the production of glass and ceramic objects and matrices with dimensions, forms and microstructures not achievable by existing technologies.

The Carroucell sol-gel process has enabled us to develop bioactive glasses used for “3D” cell culture. More precisely, these glasses (materials) are developed and offered by Carroucell in the form of microcarriers intended for cell culture in bioreactors (“3D” type cell culture).

Areas of Activity

Biotechnology; (Bio-)materials; Material specialist; 3D cell culture

CEA-LETI, Clnatec

Academics / Competence center

<http://www.clnatec.fr/en/>

Grenoble, France

Organisation Description

CLINATEC –the Edmond J. Safra Biomedical Research Center– is dedicated to conduct translational research at the frontier of healthcare and micro/nano-electronics. The Center was created by CEA-LETI in partnership with Grenoble University Hospital, Université Grenoble Alpes, and INSERM, on the MINATEC campus. Its teams of medical doctors, biologists, engineers, mathematicians, and technology specialists bring a unique multidisciplinary approach for the design, development and test of medical device that takes safety, security and normative constraints into account from project start. CLINATEC 70 researcher staff operate within a building that includes a CLINICAL UNIT with 6 bedrooms, an operating room, and multimodal imaging capabilities (intraoperative MRI, MEG, SPEC-CT); a PRECLINICAL UNIT including a dedicated MRI; a TRANSLATIONAL BIOLOGY UNIT with expertise in biocompatibility studies, and a MEDICAL DEVICE INTEGRATION UNIT for miniaturized and packaged electronics integration into medical devices ready for the clinic. CLINATEC current projects have a particular focus on the development of innovative neurological devices to improve patient lives.

Areas of Activity

Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); (Bio-) materials; Clinical assessment; Design / R&D / Engineering; Electronics; Micro- and nanotechnology; Biomedical devices; Oncology; Neurology



Ced medical transformers

Start-ups / SMEs

<http://ceditaly.it>

DESIO, Italy

Organisation Description

Since 1960 manufacturer of medical transformers

Areas of Activity

Electrical transformers; Packing machines; Medical devices; Control panels for industrial automation



Cellenion

Start-ups / SMEs

<https://www.cellenion.com/>

Lyon, France

Organisation Description

CELLENION, a SCIENION company, offers solutions and technologies for controlled cell dispensing with applications in the fields of bioprinting and single-cell isolation.

Areas of Activity

Biotechnology; Cell dispensation; (Bio-)printing; Single-cell isolation; Automation



Centre of Excellence in Information and Communication Technologies (CETIC)

Research Center

<https://www.cetic.be/>

Charleroi, Belgium

Organisation Description

As an applied research centre in the field of ICT, CETIC's mission is to support economic development by transferring the results of the most innovative research in ICT to companies, particularly SMEs. CETIC helps companies integrate these technological breakthroughs into their products, processes and services, enabling them to innovate faster, save time and money and develop new markets.

CETIC develops its expertise in key technologies, including Big Data, Cloud Computing, the Internet of Things, software quality, and trust and security of IT systems. These innovations are applied in domains of primary importance to society, such as health, smart mobility, energy and industry. This expertise is continuously supplemented through CETIC's active involvement in European and regional projects. CETIC is located on the Aeropole of Charleroi, in the Walloon region, Belgium.

Areas of Activity

IT; R&D; Software Quality; Security; Safety; Model Driven Engineering; Formal Methods; Open Source; Logiciel Libre; SAAS; Cloud Computing; Embedded Systems



Centre Leon Berard (CLB)

Research Center

<https://www.centreleonberard.fr/>

Lyon, France

Organisation Description

The Centre Léon Bérard, Comprehensive cancer Centre of Lyon and the Rhône-Alpes Region, is a hospital specialized in cancer.

The CLB is a member of UNICANCER (an umbrella group which pools all French cancer centres) and the French Federation of Cancer Centres. This group brings together 20 French hospitals dedicated specifically to cancer patients.

Mission : The centre's mission is to offer the best quality care to cancer patients. This management from the diagnosis to the most innovating treatments takes also into account nutrition, psychologic and rehabilitation aspects adapted to each patient.

The Centre Léon Bérard has three overarching aims: care, research and teaching.

Areas of Activity

Oncology; Translational Research; Clinical Research



Cerhum

Company

<https://www.cerhum.com/>

Liège, Belgium

Organisation Description

CERHUM is European leader in the production of medical devices using additive manufacturing (3D printing) in combination with our own advanced and innovative ceramic materials. We base our approach on a 10 years experience of industrial production and in-house R&D.

Our ceramic materials are made out of bone-like materials (hydroxyapatite amongst others) for bone replacement materials, in zirconia for the dental market or in alumina for heat resistant applications. Our special feature is providing a complete solution from design prototype to industrial production and integration. You can select the material or bring your own, choose the design or we can provide it for you and even better, co-create it together. At the end, you will receive your 3D printed product made on an industrial additive manufacturing technology.

Areas of Activity

Production; Aerospace; Jewellery; Dental; 3D Printing; Prototyping; Additive Manufacturing; Ceramics; Medical; Implants

Cicada Technologies

Start-ups / SMEs

<https://www.cicadatech.eu/>

Cluj-Napoca, Romania

Organisation Description

Cicada Technologies is a passionate, software provider, based in Cluj Napoca, Romania, whose area of expertise ranges from solutions for FinTech industry, automate business processes to software for embedded devices. Our most trustworthy values are performance, innovation and commitment, as these are always reflected throughout our work.

We believe in building strong relationships with our customers, in order to transform their toughest problems into our personal challenge and mission, delivering the most suitable software solution for their business. We envision our partnership as the perfect balance between flexibility, structure and open communication, providing you with the most thorough business analysis, top-notch software designs and the most efficient software development to benefit and boost your business.

So challenge our experience and expertise that enable us to translate your ideas to reality. Cicada Technology is also looking for promising startups to invest in, and help them reach their full potential.

Areas of Activity

Software development; Automation; Investmen

Organisation Description

The regulatory activities:

Country selection / local regulatory consultancy and timeline guidance; Preparation of clinical trial authorization applications; Liaison with local regulatory authorities, Institutional Review Boards, and Ethics Committees in EU countries and EMA agency; creation, preparation, execution, and maintenance of regulatory documents for submission to ethics committees, and regulatory authorities. Expedited study approvals; Local insurance policies; Applications for import license; Regulatory inspection support

Monitoring activities:

Research sites staff training; CRF review; Source data verification; Protocol compliance control; Regulatory requirements compliance control; IP/IMD inventory and accountability; Safety review; Documentation maintenance and update; Remote monitoring in EDC studies; Regular contacts with sites between on site visits

Areas of Activity

Laboratory technology; Cardiovascular; Infectious disease; Service / Maintenance / Supply; Testing & Analysis; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Regulatory, MDR, IVDR; Oncology; Ophtalmology; Investment/ Financing; Urology; Intense medicine, anesthesiology, respiration; Medical and health data analysis (big data); Business Development; Aesthetic medicine; Ophtalmology; Laboratory / CRO; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); Design / R&D / Engineering; Dermatology; Metabolic disorder; Orthopaedics; Gastroenterology; Infectious disease; Neurology



CNRS / LIA ALPhFA

Academics / Competence center

<https://eclausion.ec-lyon.fr/index.php>

ECULLY, France

Organisation Description

The LIA ALPhFA is a multi-institute collaborative centre that brings together researchers from France and Australia in photonics and in particular in Mid-IR photonics. It seeks to integrate fundamental research, technological innovation, and training in the field of photonics between major French (INL, C2N, Fresnel, FEMTO-ST) and Australian (Macquarie university, Australian National University, RMIT, Sydney University, Swinburne University) photonic laboratories.

The Mid-infrared (Mid-IR) wavelength range - from 2.5 to 12 μm - is currently experiencing a huge surge in interest for an enormous range of applications that affect almost every aspect of our society, from compact and highly sensitive biological and chemical sensors, imaging, defense and astronomy.

This LIA is supported by a european Marie-Curie scheme that provides funding for 10 cotutelle PhD students between France and Australia.

Areas of Activity

Photonics; Materials; Plasmonics; Mid-infrared photonics; R&D



Colugo GmbH

Consulting

<http://www.colugo.ai>

Tübingen, Germany

Organisation Description

Colugo aims to bring cutting-edge methods from research in artificial intelligence to practical application within companies. We offer services ranging from building an AI strategy to hands-down implementation of AI methods.

Areas of Activity

Imaging data analysis; MRI; Design / R&D / Engineering; Medical imaging machines (X-Ray, MRI, CT scan); Artificial Intelligence; CT scan; IoT; X-Ray; Business Development; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system)



Covartim

Start-ups / SMEs

<http://www.covartim.com>

Brussels, Belgium

Organisation Description

At COVARTIM we help physicians, innovators, startups and SMEs develop innovative medical devices. We support our customers in their business growth from the early stages of product development to the market access. We are passionate about medtech and we are committed to improve health care.

We propose a flexible and hands-on approach. Our experts are ready to step into your project at every steps of the development of your MD : R&D, manufacturing, verification & validation, QA/RA, product management, business development.

Areas of Activity

Validation; Quality assurance; Regulatory affairs;
Prototyping; Manufacturing



CTIBiotech

Company

<http://ctibiotech.com/>

Lyon, France

Organisation Description

CTIBiotech is a company that produce 3D bioprinted micro tumour, using the latest tools in bio-engineering, CTIBiotech researchers are printing cancer tissues in 3D. The resulting models can be used for highly significant pre-clinical testing. The models can be produced in 6 to 96 well plates for high throughput drug screening.

Using 3D Bioprinting technology, we also have developed complex 3D Skin models for ingredients or products screening.

We also have a biobank with different types of cells available in stock from the same patient (keratinocytes, fibroblast, melanocytes, dermal papilla cells). In cancer and regenerative medicine, we are able to provide cancer cells, associated cells along with supporting data. Medical device compatibility can also be made in house or in your facilities using samples from oral sphere, cornea, Wharton's jelly, MSCs, or meniscus cells. Our team works with many overseas companies and has a wide expertise of handling transcontinental sensitive shipments, while ensuring the preserved quality and freshness of the sample. We work with tested logistics partners and use optimal packaging.

Areas of Activity

Regenerative Medicine; 3D Printing; 3D Tissue Models; Drug Testing; Medical Device Co-development; Human Biological Sample Procurement & Cell Harvesting ; (3D-) bioprinting; Oncology; Dermatology; Nephrology; Neurology; Tissue Biobank; 3D microtumors; Complex skin models; Human skin cells (dermal, epidermal, melanocytes, sebocytes); Oral and facial cells and tissues; Subcutaneous tissues and organs; Blood and bone marrow; Cancer and associated cells; Pathological tissues; Cell purification and characterisation

DESSINTEY

Start-ups / SMEs

<http://www.dessintey.com>

SAINT-JEAN-BONNEFONDS, France

Organisation Description

We are designing and manufacturing innovative devices around rehabilitation activities

Areas of Activity

Rehab; Neurology; Artificial intelligence



DITF Denkendorf

Research Institute

<https://www.ditf.de/en/>

DEUTSCHE INSTITUTE FÜR
TEXTIL+FASERFORSCHUNG

Denkendorf, Germany

Organisation Description

The German Institute for Textile and Fiber Research Denkendorf (DITF) is the largest textile research center in Europe with more than 300 scientific staff covering an area of more than 25,000 m². Under one roof, Denkendorf has three research facilities:

The Institut for Textile and Fiber research Denkendorf (ITV) The Institute for Textile Chemistry and Chemiefasern Denkendorf (ITCF) The Center for Management Research (DITF-MR)

The DITF is the only textile research institute worldwide to cover the entire production and value chain of textiles with its institutes and research areas:

From the molecule to the product From the idea to the market-oriented solution As a reliable partner to the economy

The DITF textile research and development projects in the fields of chemistry, materials science, process engineering, materials engineering, machine and plant construction as well as management are working on the topics of the DITF.

Areas of Activity

Biomaterials, Service, Development, Research, Medicine



DNAnalytics

Company

<http://www.dnalytics.com/>

Louvain-la-Neuve, Belgium

Organisation Description

Our mission is to help the life sciences field to develop and deploy health care products and services faster and better by developing innovative data-driven healthcare strategies. Our vision is to become a top-of-mind solution provider at an international level in this field.

Our approach is to use Data Science (Machine Learning, Statistics, Artificial Intelligence, Cloud Computing, Data Management, ...) to build new decision-support tools from public / private data to tackle these inefficiencies. We use this innovative approach on a rather traditional consulting model.

Areas of Activity

Data Mining; Statistics; Personalized Medicine; Clinical Trials; Diagnostic; Prognostic; Theranostic; Biomarkers



Centrum Leczenia Oparzeń

im. dr. Stanisława Sakiela
w Siemianowicach Śląskich

Dr Stanislaw Sakiel Burn Treatment Centre

Clinicians

<http://clo.com.pl/>

Siemianowice Śląskie, Poland

Organisation Description

Burn Treatment Center dr. Stanisław Sakiela in Siemianowice Śląskie is the largest monospecialist burn center in the country, specializing in the comprehensive treatment of burns and wounds of various etiologies. In 2010, a renovation was carried out, which resulted in the creation of modern operating rooms and a helipad. In 2008 Tissue Bank was created, which resulted in preparation of over 1,785,000 cm² of allogeneic biostatic human skin transplants, and 442,000 cm² of biostatic human amniotic transplants and 223 autologous skin cell transplants. Tissue Bank has been renovated in 2019 and has most modern clean rooms. Also in 2019 most advanced research equipment has been bought for research laboratory. The Burn Treatment Center has completed over 10 scientific projects, and employees are highly active in the field of modern technologies, such as implementation of acellular matrices or stem cell therapy. In addition, we have been introducing LEAN management principles to improve the quality and uniqueness of medical services for two years.

Areas of Activity

Chronical disease; Regenerative medicine; Dermatology; Transplantation

Dr. Stanislaw Sakiel Burn Treatment Centre (CLO) based in Siemianowice Śląskie, Poland, is a top hospital specializing primarily in the treatment of burns and chronic wounds.

CLO tissue bank produces, among others, the following products:

- in vitro cultured autologous keratinocytes
- in vitro cultured autologous fibroblasts
- in vitro cultured allogeneic mesenchymal stem cells obtained from fetal tissues
- tissue grafts:
 - allogenic human skin transplants
 - allogenic human amniotic transplants
 - acellular dermal matrix ADM.



ECD YAZILIM VE BİLİŞİM TEKNOLOJİLERİ AS

Start-ups / SMEs

BURSA, Turkey

Organisation Description

ECD Software Development and ICT company (Small and Medium Enterprise) is working for more than 10 years in Turkey industrial software development, hospital management software development, mobile application development and healthcare technologies area. We develop innovative solutions for our customers.

There are computer engineers for sw and system design, electronic engineers for Smart City technology design, telecommunication experts for IoT system design, medical doctors for healthcare issues and academicians for academic support.

We work with Bursa City Hospital, Bursa Yuksek Ihtisas Hospital, Bursa Organized Industrial Zone, Bursa Metropolitan Municipality, Bursa Bilecik Eskisehir Development Agency, Bursa Inegol Organized Industrial Zone, Ankara Bilkent City Hospital and other customers all over Turkey.

We are searching for project consortiums regarding healthcare, industrial software development, mobile application development (IOS and Android) and hospital management software. ECD aims to find innovative solutions for healthcare, digital health and remote healthcare.

Areas of Activity

ICT for Health/Digital Health (telemedicine, IoT, medical and health data analysis(big data); Imaging data analysis, Hospital information system); Software development



edap tms
Bringing New Horizons to Therapy

EDAP TMS

Start-ups / SMEs

<https://www.edap-tms.com/>

Vaulx en Velin, France

Organisation Description

Global leader in therapeutic ultrasound and present in the market for more than 35 years, EDAP TMS (NASDAQ: EDAP) develops, manufactures, promotes and distributes minimally-invasive medical devices for urology using ultrasound technology. EDAP TMS is actively operating worldwide via an extensive network of corporate offices, subsidiaries and distribution partners. By constantly investing in Research & Development, partnering with INSERM French public laboratory and internationally renowned medical research institutions, EDAP TMS has developed a strong valuable patent portfolio based on its innovative technologies.

Manufacturer of therapeutic medical devices

Ultrasound technologies

Areas of Activity

Medical Therapeutic Devices (surgical instrument, pacemakers, artificial organs, drug delivery devices);
Therapeutic ultrasound; Minimally-invasive medical devices; Oncology; Urology



Efficient Robotics GmbH

SME

<https://www.efficient-robotics.com/>

Kornwestheim, Germany

Organisation Description

Founded in 2012, Efficient Robotics is a leading company for the development, production and commercialization of automated microfluidic systems for the pharmaceutical, biotechnology and chemical industries. The automated microfluidic platform called NTP (nano-titer-pipe) is an ultra-high throughput workstation for the screening and optimization of microbial strains, cell lines, enzymes, proteins and peptides. The NTP platform allows for the ultra-high throughput screening of up to 10 million samples per day with a small footprint and easy handling. The NTP platform technology of Efficient Robotics GmbH enables the miniaturization of complex biological and chemical processes. With the unique and easy integration of a multitude of different sensors and mechanics into micro-structured capillary systems, it is possible to translate and implement almost any complex biochemical process into a fully automated microfluidic system. The significant increase in ultra-high throughput screening throughput while at the same time reducing the required quantities of reagents, increases efficiency and reduced costs for our customers in a way that cannot be achieved with conventional screening process automation.

Areas of Activity

Strain Optimization; Enzyme and Antibody Optimization;
Peptide Synthesis



EGZOTech Sp. z o.o.

Start-ups / SMEs

<http://www.egzotech.com>

Gliwice, Poland

Organisation Description

EGZOTech empowers physiotherapy through robots and electromyography. Our products enable superior neurorehabilitation to the most severe of neurological patients – stroke, spinal cord injuries, neurodegenerative diseases, and urinary incontinence.

Areas of Activity

Medical Therapeutic Devices; Rehab; Neurology; Robotic; Diagnostics

Electronics Engineering in Bursa Uludag University

Academics / Competence center

<http://uludag.edu.tr/english>

Bursa, Turkey

Organisation Description

The aim of Uludağ University is to bring up contemporary students who identify themselves with the cultural and historical values of the country by being respectable to the national values, have a high personal responsibility, and free thought on the contemporary, secular, and democratic way led by reason and science, and drawn by Atatürk .

Uludağ University, established in 1975 under the name of Bursa University and took its current name in 1982, has been successfully continuing its educational services ever since with its 13 faculties, 2 schools, 15 vocational schools, 1 conservatory, 4 institutes, 21 applied research centers and 5 departments under rectorate. Apart from these units; there are also Faculty of Dentistry and Gemlik Necati Kurtuluş School of Maritime founded by law but not functioning currently.

Faculties: Faculty of Medicine, Faculty of Economics and Administrative Sciences, Faculty of Engineering, Faculty of Veterinary Medicine

Areas of Activity

Research; Education; Smart Cities; Smart Health; Digital Healthcare; Telehealth; Remote Patient Monitoring; Smart City Strategy and Action Plan; ICT; IoT

EPflex Feinwerktechnik GmbH

Manufacturer & Consulting

Dettingen an der Erms, Germany

Organisation Description

As one of the global innovation leaders, we develop and produce guidewires, stone baskets and accessories of the highest quality for minimally invasive medicine. Individually tailored to the specific needs. With our innovative ideas and solutions, we help to safeguard people's health. OEM manufacturer for medical devices used for minimalinasive surgeries.

Areas of Activity

Material specialist; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Cardiovascular; Gastroenterology; Neurology; Urogynecology; Design / R&D / Engineering; Production Testing & Analysis; Sales & Distribution; Diagnostics;



European Synchrotron Radiation Facility (ESRF)

Academics / Competence center

<http://www.esrf.eu>

Grenoble, France

Organisation Description

The European Synchrotron Radiation Facility (ESRF) permits in situ and in vivo characterisation of medical devices and materials more generally using ultra high brilliance synchrotron X-rays. The facility is funded by 22 countries, mostly European and is open for use by academic and industrial researchers alike. The ESRF is hosted on the European Photons and Neutrons Campus in Grenoble, France.

Characterisation of implant structures.

Follow fatigue and ageing of implants.

Structure and dissolution models of pills.

Structure of drug delivery vehicles.

Watch medical devices under operation.

Areas of Activity

Medical imaging Machines (X-Ray, MRI, CT scan); (Bio-) materials; Material testing; Structural Biology; 3D/4D computed tomography Technology transfer; Research; Education



EVERTOP Sp. z o.o.

Start-ups / SMEs

<https://www.evertop.pl/en/>

Chorzow, Poland

Organisation Description

The core of the company is a group of engineers, graduates of Silesian University of Technology in Gliwice with well-proven experience in IT. They are supported by young ambitious staff with a very wide range of skills and knowledge required in the projects we develop. The company is located in the centre of Silesia, but we have clients from all over Poland and all over the world.

SERVICE: Custom software development: Evertop develops custom software for the key players on the healthcare market, we are looking for the new projects in EU.

PRODUCT: MIAI: System for computer-aided diagnosis and minimally invasive therapy of abdominal cancer.

PROJECT COOPERATION: EU funded projects: We are interested in cooperation both in commercial and R&D projects basing on EU funds. We bring to the consortium highest level of software and hardware expertise and also institutional partners from Poland.

INVESTMENT OPPORTUNITY: Investements in Poland: We are interested in getting in contact with the investors from EU that are looking for the companies and projects in Poland.

Areas of Activity

ICT; Business modelling; IT consulting; Microcontroller



FABULOUS

Academics / Competence center

<http://www.fabulous.com.co>

LYON, France

Organisation Description

WHY YOU NEED TO WORK WITH US

100% 3D PRINTING EXPERTS

As application center specialized in industrial 3D printing, we have access to all the new market and technological innovations

MULTIPLE SOLUTIONS

At the heart of the additive manufacturing ecosystem, FABULOUS proposes a large range of possible technical solutions.

INDEPENDANT

FABULOUS is independant from machines manufacturers and resellers, parts manufacturers and services providers, or any other market operators. That's the key to succeed in accompagnying you in your customized proofs of concepts and applications.

Areas of Activity

3D printing; (Bio-)materials; Consultancy; Concept development; Technology transfer; Additive manufacturing design and equipment



FLUOPTICS®

Fluoptics

Company

<https://fluoptics.com/>

Grenoble, France

Organisation Description

Fluoptics develops innovative fluorescence imaging solutions for real-time guided surgery. Its technology relies on near infrared fluorescence optical imaging of markers such as indocyanine green dye (ICG). The goal of fluorescence imaging is to provide surgeons with real time information on the location of fluorescent markers during surgery. This complementary tool drastically secures procedures and improves patient's outcome. It eases the work of surgeons, and by improving the efficiency of their procedures, helps to reduce complication costs.

Areas of Activity

Oncology; Fluorescence Imaging; Thyroid Surgery;
Lymphatic Surgery; Plastic Surgery;



Foundation of Cardiac Surgery Development

Research Organisation

<https://frk.pl/>

Zabrze, Poland

Organisation Description

The Foundation of Cardiac Surgery Development has implemented a well-developed, funded by own funds training-scholarship programme in the field of cardiosurgery since its inception, the objective of which is to improve professional qualifications of medical practitioners in Poland and abroad, especially in Eastern European countries. Topics of the programme include, i.e.: artificial heart, artificial heart supporting ventricles, biological heart valves, surgery techniques used in selected cardiosurgery operations, paediatric cardiosurgery, cooperation in the field of cardiosurgery and coronary heart disease treatment.

Main directions of our activity:

- *Studies on heart prostheses,*
- *Studies on heart valve prostheses,*
- *Studies on biocybernetics,*
- *Studies in the field of modern biotechnology.*

Areas of Activity

Material specialist; Laboratory technology; Regenerative Medicine; Surgical instruments; Testing & Analysis; Medical and health data analysis (big data); Operating technology, operating equipment; Telemedicine; Rehab; Production; Design / R&D / Engineering; Laboratory / CRO; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); 3D (bio)printing; Additive manufacturing; (Bio-)materials; Components / Materials; Cardiovascular; Regenerative medicine; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Artificial organs; Hospital information system; Hygiene, sterilisation, disinfection; Implants and prothesis

Organisation Description

The Fraunhofer IGB develops and optimizes processes, plants, products, and technologies in the fields of health, chemistry and the process industry as well as environment and energy. IGB always strives for the highest level of scientific excellence – combining it with broad, practice-oriented technical know-how. Our strength lies in our proven ability to integrate a wide range of technical disciplines to deliver new, economic, efficient, and sustainable solutions for customers and partners.

IGB's research fields include medical devices, food processing, water technologies, and biobased chemicals – to name only a few. Working closely with partners from universities and industry, IGB covers the entire innovation chain from fundamental research to industrial implementation. IGB offers complete solutions from laboratory to pilot plant scale. Customers and partners benefit from the cooperation between IGB's R&D departments in Stuttgart and institute branches located in Leuna and Straubing.

Fraunhofer IGB is one of 72 institutes and independent research units of the Fraunhofer-Gesellschaft, Europe's leading organization for applied research.

Areas of Activity

Interfacial Engineering & Materials Science; Molecular Biotechnology; Physical Process Technology; Environmental Biotechnology & Bioprocess Engineering; Bio, Electro and Chemo-catalysis; Organ-on-a-Chip



Fraunhofer IPA

Research Organisation

<https://www.ipa.fraunhofer.de/en.html>

Stuttgart, Germany

Organisation Description

*Applied research in the field of manufacturing, engineering and automation
Specifically additive manufacturing technologies*

Areas of Activity

3D (bio)printing; Funding and Investment; Production

Organisation Description

The Project Group for Automation in Medicine and Biotechnology (PAMB) of Fraunhofer at the Medical Faculty Mannheim, University Heidelberg, was set up by the state of Baden-Württemberg and Fraunhofer to develop new ideas for automation in medicine and biotechnology.

Areas of Activity

Ears/nose/throat; Neurology; Oncology; Design / R&D / Engineering; IoT; Additive manufacturing; Artificial Intelligence; CT scan; Endoscopy; Cardiovascular; Testing & Analysis; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Operating technology, operating equipment; Surgical instruments; Gastroenterology; MRI; Urogynecology; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system)



Future-Processing S.A.

Company

<https://www.future-processing.pl/>

<https://www.future-processing.com/>

Gliwice, Poland

Organisation Description

We are a branch of Future Processing – a Polish IT supplier specialised in bespoke software development. We specialise in developing medical image analysis and segmentation algorithms which utilise both conventional image processing techniques and modern machine learning algorithms. We've already applied these approaches in the assessment of segmenting scans of different modalities and organs (e.g. coronary vessels, brain, lungs, retinal images). For over 15 years we are proud to be a leading healthcare software solution provider.

Areas of Activity

Custom Software Development, AI for Medicine



Ganso sp. z o.o.

Company

<https://ganso.pl/>

Katowice, Poland

Organisation Description

Company is working in Computer software solution business activities. The enterprise currently operates in the Computer Systems Design and Related Services sector.

Areas of Activity

Custom Software Development



Medical Devices for a better life

G.life Technology
Start-ups / SMEs

THOIRY, France

Organisation Description

MedTech Maker - Photo-activated metabolism devices

Areas of Activity

Medical devices; Cardiology; Bio electronics; Photonics; Sensors



Grenoble INP (LMGP lab)

Research Center

<http://www.lmgp.grenoble-inp.fr/>

Grenoble, France

Organisation Description

The Grenoble Institute of Technology (Grenoble INP) (Institut polytechnique de Grenoble, Groupe Grenoble INP and before INPG) is a French technological university system consisting of six engineering schools.

Grenoble INP also has a two-year preparatory class programme, an adult education department, as well as 21 laboratories and a graduate school in Engineering Sciences. More than 1,100 engineers graduate every year from Grenoble INP, making it France's biggest grande école.

Areas of Activity

Nanomaterials and Advanced Heterostructures;
Functional Thin Films and Surface Nano-engineering;
Interfaces between Materials and Biological Matter



HAPTIC R&D CONSULTING

Start-ups / SMEs

<https://www.haptic.ro/>

Aricestii Rahtivani, Romania

Organisation Description

Consulting engineering company bringing new products and services from laboratory to the market.

PRODUCT: Smart Energy Products: Through our company marketplace we promote renewable energy bringing on the market smart solar energy products like: SmartCityHub charging station, Solar bench, Solar meteo station for a modern agriculture to monitorize properly the crops.

More info: <https://www.haptic.ro/product-category/smart-solar-energy-products/>

SERVICE: Remote Support Assistant: In nowadays due to pandemic situation the companies are looking to work remotely and need technical support for that. Our technology help experts to stay safe in their office and to assist operators and teams on different sites in real time.

More info: <https://www.haptic.ro/product/remote-support-assistant-ar/>

Areas of Activity

Medical Therapeutic Devices (surgical instrument, pacemakers, artificial organs, drug delivery devices);
Wearables; Consulting; R&D; IoT



Hawai.tech
Start-ups / SMEs
<http://hawai.tech>
Grenoble, France

Organisation Description

The goal of Hawai.tech is to offer hardware accelerators that extend the use of AI to new markets, going beyond learning-based approaches and providing solutions that are easier to interpret, more data and energy efficient. Such hardware can be used in many medical applications such as in silico drug screening.

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Artificial intelligence: Software; Bioinformatics



Herniamesh

SME

<http://www.herniamesh.com/en/>

Chivasso, Italy

Organisation Description

Is an Italian company which, through its worldwide distribution network, produces and markets medical devices for inguinal and abdominal hernioplasty, for the treatment of the dysfunctions in the pelvic floor and for the treatment of pressure ulcers.

Areas of Activity

Business Development; 3D (bio)printing; Endoscopy; Operating technology, operating equipment; Surgical instruments; Material specialist; Urogynecology; Sales & Distribution; Production; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); (Bio-)materials; Regenerative medicine; Design / R&D / Engineering; Additive manufacturing; Implants and prothesis



Human Waves, scri

Company

<https://humanwaves.be/>

Gosselies, Belgium

Organisation Description

Human Waves is active in neurotechnology and is a spin-off of the Université Libre de Bruxelles and UMONS.

The spin-off has a technological platform. This enables us to offer services to children with disabilities or impairments, disabled people and top-level sportsmen and women.

We develop services and products for various applications in the fields of health and learning.

Our products and services are designed to improve the health of young patients in particular and to revolutionize diagnostic assistance in neurology.

Areas of Activity

Neuro Technology; Human Performance (sport); Neuro feed-back; Neuro-motricity; tDCS; Transcranial Stimulation

Organisation Description

We create computer hardware and software. We specialized in creating products for the healthcare market.

PRODUCT

Wireless Secure Communication System for hospitals and nursing homes

- Calling for nursing help to bed,*
- Nurse's voice communication with the patient,*
- Calling for help by medical staff to service the patient,*
- Voice communication between medical staff.*

The system is distinguished by its ease of installation (it does not require construction works), safety, reliability and flexibility.

INVESTMENT OPPORTUNITY: We are looking for an investor, who will help us develop the product and enable us to enter the French market. Our product is innovative and modern. Meets the enthusiastic reception of potential customers. We need to invest in building structures in the company that will deal with customer support, productdevelopment, and sales. We also hope that the investor will help us enter the French market.

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system)



INL INSA de Lyon

Academics / Competence center

<http://inl.cnrs.fr>

Villeurbanne, France

Organisation Description

The goal of INL is to encourage world-leading multidisciplinary research in the areas of micro and nanotechnologies and their applications. The pioneering research undertaken at the Institute ranges from materials and technology to devices and systems, thus enabling the emergence of dedicated technologies. The Institute is supported in its work by the Nanolyon Technology Platform.

Academic research laboratory in the area of nanotechnologies and device development for various applications, including optics/photonics and biomedical applications.

Design, fabrication and characterisation of integrated optical sensors.

Areas of Activity

Material specialist; (Bio-)materials; Functional materials; Photonics; Electronics; Components / Materials; Sensors; Nanotechnology; Design / R&D / Engineering



INSAVALOR

Academics / Competence center

<http://www.insavalor.fr>

Villeurbanne, France

Organisation Description

INSAVALOR is the R&D, R&D support of promotion and Continuing Education subsidiary of INSA LYON. The R&D pole supports INSA researches in research contracts with industrial partners and collaborative projects with public subsidies, including H2020. The collaborative projects team is involved in all stages of the project life: lobbying, monitoring, awareness raising, finding partners, setting up and management.

Areas of Activity

Business support; R&D support; Technology transfer;
Laboratories

INSERM - SBRI

Academics / Competence center

<https://www.sbri.fr/>

Saint Joseph, France

Organisation Description

The Stem cell and Brain Research Institute (SBRI) was created in 2007 by Henry Kennedy and in 2011, renewed under the directorship of Colette Dehay, with Henry Kennedy as deputy director. SBRI is affiliated to INSERM and University de Lyon with strong links to INRA and CNRS. SBRI research is a multidisciplinary with interests ranging from stem cells biology, developmental neurobiology, integrative and cognitive neuroscience, chronobiology disorders and robotics. One common asset is the investigation of human and non-human primate specific features addressed at multiple levels of exploration ranging from the earliest embryonic developmental stages to the structure and function observed in the adult cortex.

Areas of Activity

Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); Stem cells; Regenerative Medicine; Neurology



IntelliSemantic

Start-ups / SMEs

<https://www.intellisemantic.com>

Rivoli, Italy

Organisation Description

IntelliSemantic (<http://www.intellisemantic.com>) is an Italian innovative SMEs, carrying out research and developing solutions based on artificial intelligence, text mining, linked data and semantic technologies, more typically for Scientific, Technical and Medical (STM) documents and data.

Moreover, IntelliSemantic has verticalized its research and development in patent documents, hence it can provide the analysis of patents in specific areas, as for example in different areas of artificial intelligence, by using its tool MyIntelliPatent (<https://intellisemantic.com/patent-solution.html>) in such a way to identify opportunities and threats.

Moreover, IntelliSemantic has verticalized its research and development in patent documents. Hence it can provide the analysis of patents in specific areas, as for example in different areas of artificial intelligence, by using its tool MyIntelliPatent (<https://intellisemantic.com/patent-solution.html>) in such a way to identify opportunities and threats.

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Artificial Intelligence; IoT; R&D; Intellectual properties



Intuity Media Lab GmbH

Service Provider

<http://intuity.de>

Stuttgart, Germany

Organisation Description

Intuity stands for creating new meaning, new business models and user experience. We help organizations and startups to prototype and develop new products and services that fascinate people. Emerging technologies embedded in a carefully considered view of the world, our resources and our needs lead to new solutions that don't exist yet.

Our teams have a deep knowledge of the industry. We are innovation and implementation partner for next generation business models, products and services. We love to develop market opportunities and craft excellent user experiences.

Areas of Activity

Infectious disease; Others; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); 3D (bio)printing; Surgical instruments; Artificial Intelligence; Laboratory technology; Design / R&D / Engineering



Janssen Pharmaceutica Company

<https://www.janssen.com/belgium/>

Beerse, Belgium

Organisation Description

Janssen Pharmaceutica NV is part of the Janssen Pharmaceutical Companies of Johnson & Johnson.

At the Janssen Pharmaceutical Companies of Johnson & Johnson, we are working to create a world without disease. Transforming lives by finding new and better ways to prevent, intercept, treat and cure disease inspires us. We bring together the best minds and pursue the most promising science.

We are Janssen. We collaborate with the world for the health of everyone in it.

Areas of Activity

Healthcare; Pharmaceutical; Caring; Science; Innovation



JLM Innovation

SME

<https://www.jlm-innovation.de/>

Tübingen, Germany

Organisation Description

JLM Innovation GmbH specializes in systems integration for chemical sensors. We develop hardware and software for data acquisition as well as data analysis tools. Integrated systems by JLM Innovation GmbH facilitate cutting edge research in R&D departments of top companies, universities and research departments worldwide. JLM Innovation GmbH's compact handheld instruments feature an automated measuring process and data analysis integrated with cloud services. This is data acquisition from chemical sensors made easy: with real time results.

JLM Innovation GmbH is involved in several excellent international research projects, such as SniffPhone, winner of the Horizon 2020's 2018 Innovation Award for Most Innovative Project. We are the experts in smart chemical sensing.

Areas of Activity

Consulting; Development; Research; Medical Products; Sensors



Kardio-Med Silesia

Research Organisation

<http://www.en.kmptm.pl>

Zabrze, Poland

Organisation Description

Kardio-Med Silesia is a modern scientific research centre meeting the highest European standards established on September 21st, 2015.

In Kardio-Med Silesia Medical Technology Park we have created facilities and a friendly environment for the development of science and innovative technologies as well as favourable conditions to support initiatives for increase of entrepreneurship region- and countrywide. Thus, we have established the following units: Centre for Medical Technology Development, Regenerative Medicine and Isolated Tissue and Organ Laboratory, Genomics Laboratory, Cell and Tissue Bank, Test and Implementation Laboratory of New Technologies and Medical Devices, Laboratory of Environmental and Civilizational Hazards, Laboratory of Isolated Organs, Knowledge and Education Platform, Telemedicine Laboratory and Center, and Kardio-Med Silesia Clinic Complex.

Areas of Activity

Telemedicine; Design / R&D / Engineering; Laboratory / CRO; Testing & Analysis; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); 3D (bio)printing; Artificial organs; (Bio-)materials



K-Tree s.r.l.

Start-up

<http://www.k-tree.eu/>

Pont-Saint-Martin, Italy

Organisation Description

K-tree srl is a startup of researchers and consultants specialized in the development of IoT, Artificial Intelligence, Process Mining and Security solutions.

K-Tree srl is able to accompany, support, encourage organizations that want to undertake a path of "digital transformation" of their business model, to be digitally relevant today and to exist tomorrow. K-Tree srl dedicates a considerable part of its resources to Research & Development activities. In fact, it has created a working group composed of professionals who have gained important experience in the analysis and management of digital content and the related digitization process.

These experiences are often developed both within K-Tree srl and in external university and industrial realities. The current offer of K-Tree srl is based on three areas described in the company profile summarized in the sw and hw platform:

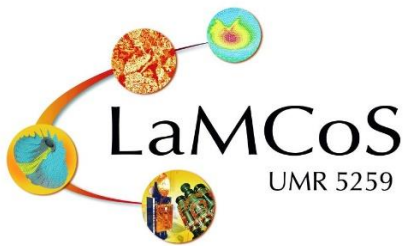
Data Mining (K-Capture)

Sensors and management SW for IoT especially dedicated to telemedicine environments;

System Integration in CRM area

Areas of Activity

Smart City; Manufacturing; Digital Transformation; Smart Factories; Mobility; B2C Companies; Smart Health; Finance; Energy; B2B Companies



LaMCoS

Academics / Competence center

<https://lamcos.insa-lyon.fr/>

villeurbanne, France

Organisation Description

A joint research unit UMR5259 of the INSA de Lyon and the CNRS, the role of LaMCoS is to carry out research on understanding and controlling the behavior of mechanical structures and systems by studying their interfaces.

We innovate to improve understanding of fundamental phenomena to anticipate major societal challenges and respond to technological problems in the fields of Transport, Energy, Health, Biomedicine, Sport and Machine Tools.

Areas of Activity

Surfaces and interfaces, tribology
Non-linear dynamics
Vibration Control, Structural Monitoring, Energy Recovery
Integrity of surfaces, solids and structures under extreme stress
Forming composites
Numerical simulation of processes / innovative processes
Mechanical and electromechanical transmissions
Bioengineering

Logosnet

Academics / Competence center

<http://www.logosnet.org>

Houston, United States

Organisation Description

Medical simulation within immersive and interactive environments (online, simulation labs, on site).

Augmented, virtual and mixed reality for learning and development.

eLearning, online and telemedicine.

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system)



Ludocare

Company

<https://ludocare.com/>

Lyon, France

Organisation Description

Since its inception in September 2017, Ludocare has been focused on helping people living with chronic diseases: - Today, more than 20 million people in France suffer from a chronic disease and it's more than 200 millions in the USA - Most chronic diseases requires complex treatment regimens including daily dosing to ensure optimal disease management - The impact of chronic diseases often extends beyond the individual to other family members or co-residents At Ludocare, we offer a number of age-appropriate, play or gaming-based solutions designed specifically to meet the needs of both the individual with chronic disease and their family and social community.

Areas of Activity

Chronic Diseases; Cystic Fibrosis; Asthma; Robotics; ICT for Health / e-health



LuxFlux GmbH

SME

<https://www.luxflux.de/de/>

Reutlingen, Germany

Organisation Description

LuxFlux offers chemical sensors based on optical spectroscopy. Our software transforms a complex measurement system into an easy-to-use sensor. As an integrator, we work hardware independent. We can use various spectrometer type and also hyperspectral cameras.

Areas of Activity

Analytic; Imaging



Lyon 1 University (LBTi lab)

University

<https://lbt.iibcp.fr/>

Lyon, France

Organisation Description

LBTi (Tissue Biology and Therapeutic Engineering Laboratory) is a leading French research laboratory specializing in the study of healthy and diseased tissues and in the development of innovative therapeutic strategies with high potential for translation toward clinical applications. We have strong expertise in tissues such as skin, cartilage, teeth, cornea and mucosae. Our specific research aims are:

- *to analyse the basic mechanisms of tissue organization and homeostasis, and to identify potential therapeutic targets*
- *to understand and model the tissue response to physiological or pathological stress (including mechanical stress and aging)*
- *to develop novel therapeutic approaches for tissue repair and targeted delivery of therapeutic agents*

LBTi provides a highly multidisciplinary environment, gathering chemists, biochemists, cell and molecular biologists, bio-informaticians, physiologists, physicians and galenic experts.

Areas of Activity

Translational Research; Therapeutic; Engineering; Tissue Biology; Tissue Repair



Manutech USD

Academics / Competence center

<http://www.manutech-usd.fr>

Saint-Etienne, France

Organisation Description

Manutech USD is a private/public competence center specialized in femtosecond laser micrometric/nanometric surface structuring. As part of its actions to help bring solutions to the COVID 19 crisis and beyond, Manutech is investigating the bio-functionalization of surfaces in the following fields:

-Cell behaviour modification (cells lifespan, adherence, growth, differentiation)

-Impact on the catalysis process

We would very much like to discuss with you potential applications that could involve both our structure and our academic and industrial partners with the objective of bringing to the market new solutions for patients.

Areas of Activity

Surface structuring,; Surface functionalisation; Laser technology; (Bio-) materials; Implants and prothesis; Laboratory technology; Material specialist; Components / Materials; Design / R&D / Engineering



MEDI-LINE

Company

<http://www.mediline.be/en/>

Liège, Belgium

Organisation Description

MEDI-LINE is a company that works exclusively for the medical and pharmaceutical sectors. Specializing in the development and manufacturing of medical devices, we offer various services and a manufacturing capacity to medical devices companies around the world. As a manufacturer of medical devices for niche markets such as urinary incontinence, medical imaging, radiotherapy and other healthcare products, we have a broad experience and the confidence of the major players in the medical industry.

Areas of Activity

Plastics; Injection / Extrusion; Clean Room (class C & D)



Medtronic

Medtronic

Company

<https://www.medtronic.com/fr-fr/index.html>

Trévoux, France

Organisation Description

Medtronic is a medical device company that generates most of its sales and profits from the U.S. healthcare system but is headquartered in the Republic of Ireland for tax purposes. Medtronic has an operational and executive headquarters in Fridley, Minnesota in the U.S. In 2015, Medtronic acquired Irish-tax registered Covidien, in the largest U.S. corporate tax inversion in history, which enabled Medtronic to move its legal registration from the U.S. to Ireland. Medtronic operates in 140 countries and employs over 86,000 people.

Areas of Activity

Pacemakers; Implantable Cardioverter Defibrillators; Heart valves; Insulin Pumps; Aortic Stent Grafts; Coronary Stents & Neurostimulators

The logo for Meidrix, featuring the word "meidrix" in a bold, lowercase, red sans-serif font.

Improving Collagen. Improving Life.

Meidrix Biomedicals GmbH

Manufacturer

<http://www.meidrix.de>

Esslingen am Neckar, Germany

Organisation Description

Meidrix is a medical bioengineering company which develops innovative collagen based implants for cartilage regeneration. Our novel products are cell-free medical devices for the treatment of cartilage defects with just one surgical procedure.

Areas of Activity

Design / R&D / Engineering; Production; (Bio-)materials; Implants and prothesis; Orthopaedics; Components / Materials



Merz Medizintechnik GmbH

SME

<https://www.merz-medizintechnik.de/>

Metzingen, Germany

Organisation Description

Merz Medizintechnik GmbH develops and sells audiological software and diagnostic systems. For the first time, the evidENT2 software provides users with a cross-platform system for computer-controlled collection and documentation of audiological data and findings during various types of hearing tests. Our many years of experience with medical technology and diagnostics in this field enable us to provide and continually develop application-based solutions. Close cooperation with doctors and clinics plays a key role in this work. The company also sells medical technology for audiometry, tympanometry, OAE measuring systems, posturography, vestibular diagnostics, rhinomanometry and spirometry.

Areas of Activity

Diagnostic; Medicine; Technology; ENT; Hearing Aid Acoustics; Occupational Medicine; Pediatrics



Metronom Health

Company

<http://metronomhealth.com/>

Mont-Saint-Guibert, Belgium

Organisation Description

Metronom Health is a portfolio company of Fjord Ventures LLC, a life science technology accelerator which creates capital-efficient companies. These efficiencies are achieved through the broad experience of management, shared infrastructure and a dedicated source of funding that allows Fjord's portfolio companies to focus on product innovation and disruptive technologies. This culture incentivizes progress and nurtures highly motivated, idea-driven spaces, where groundbreaking technology like Metronom Health Continuous Glucose Monitoring can develop.

Areas of Activity

Diabetes; Continuous Glucose Monitoring



Mexbrain

Company

<https://mexbrain.com/>

Fontaines-Saint-Martin, France

Organisation Description

MexBrain aims at removing toxic or over-concentrated metals from the body in order to restore metal homeostasis and thus offer a new therapeutic solution

Areas of Activity

Neurology; Theranostic Dialysis Devices; Extraction of Toxic Metals; Restoring Metal Homeostasis



Microlight3d

Company

<http://www.microlight.fr/>

La Tronche, France

Organisation Description

Creation and development of 3D printing machines with submicron resolution, compatible with polymers, biopolymers and biological materials (proteins, collagen) for : - microfluidics - microrobotics - micromechanics - microoptics - microprototyping - cell culture - tissue engineering - medical devices. Materials, optics and machine command software expertise.

Areas of Activity

3D Printing, Maskless Lithography; 3D-Micro-printing Systems; Two-photon Polymerization

Organisation Description

As Mindsailors we cover all the steps of the design process: predesign, conceptual study, mechanical study, design for manufacturing (DFM) and supervising production. Thanks to our team - one of the largest and most talented group of specialists consisting of engineers with artistic souls you can be sure of the quality of the service provided.

Our main goal is to spot a design opportunity and turn it into a competitive advantage. We can do that in every aspect of the product: visual, functionalities, materials, UX, USP or ergonomics. What is most important, in order to achieve this, we like to work closely with our clients and their technical, marketing and sales departments, because we know from our experience that this brings amazing effects. You are an essential part of the creation.

Throughout over 15 years we have completed nearly 160 projects for many different companies from all around the world. Underneath you can find selected examples of our work:

Medical

- MySpiroo - portable spirometer*
- StethoMe - diagnostic medical device*

Areas of Activity

Consulting; Conceptual and mechanical design;
Prototyping



Modjaw

Company

<https://www.modjaw.com/fr/>

Sainte-Hélène-du-Lac, France

Organisation Description

MODJAW's technology offers a unique experience to you and your patients: efficiency, comfort and advanced interactions.

Thanks to impressive 4D visuals, your patients will be able to visualise their mastication and understand the treatment that is needed. Communication at its finest!

Areas of Activity

Dentistry; 3D Modeling; 4D Analysis; CAD CAM Design; Prosthetics Production; Software Design



NETRI SAS

Company

<https://netri.fr/>

Lyon, France

Organisation Description

At NETRI, we design, fabricate and exploit 3D microfluidic chips to reproduce neural circuits. NETRI is a young company-private research institute that aims at understanding the structural and functional mechanistic of neural circuits, neurological disorders or potential novel treatments.

Areas of Activity

Neurology; Organ-on-a-Chip; Neurofluidics; Connectom on a Chip; Prototyping; Microfluidic Chips; Screening Service; Toxicity; Synaptogenesis; Transport / Growth Rates and Functional Network Activity Analysis; Alzheimer; Parkinson



NMI Natural and Medical Sciences Institute at the University of Tübingen

Research Organisation

<http://www.nmi.de>

Reutlingen, Germany

Organisation Description

The NMI is involved in application-oriented research at the interface between the life sciences and material science. An interdisciplinary team of scientists is developing new technologies for companies and public research sponsors in the areas of pharma and biotechnology, biomedical technology, and surface and materials technology.

Our commitment, professionalism and flexibility are visible in all areas of our work. We manage projects from start to finish – from the planning stage, through to evaluation if required. Our portfolio also includes subprojects and individual services such as consulting, technology assessment, applying for funding, and conceptual planning and coordination of projects. We also offer accredited testing services.

The research groups Biofunctionalized Surfaces at NMI and Intelligent Surfaces at the Faculty of Applied Chemistry at Reutlingen University develop and study new surface-modifications (coatings) of materials for applications in medical engineering, i.e. immunosuppressive coating for cardiovascular application, controlled immobilization of microorganisms for applied biotechnology and protective antibacterial coatings.

A second major research topic of the group is the development of innovative foam based materials for lightweight construction.

Areas of Activity

Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); (Bio-) materials; Implants and prothesis; Laboratory technology; Others; Material specialist; Components / Materials; Design / R&D / Engineering



novineon CRO GmbH

Consultancy

<http://www.novineon.com/>

Tübingen, Germany

Organisation Description

novineon, a consulting company, operates in all sectors of the healthcare industry. With its international network, the company supports manufacturers and users of medical products and services in all aspects of R&D, product assessment and marketing. The company's three business units, CRO, consulting and holdings/investments, allow the company to focus on the needs of its customers individually, from the analysis of new market opportunities, the development of targeted innovation strategies, to the practical implementation of R&D.

The consulting services of novineon Consulting include, among other things: market studies; technology studies; research on the medical background of new procedures and products; studies on the regulatory framework conditions and the IP situation; new business and innovation strategies; pricing and reimbursement as well as R&D portfolio analysis and platform strategies.

Areas of Activity

Biotechnology; Consulting; Service; Studies; Research; Development



Novotec

Company

<http://www.novotec-labs.com/>

Bron, France

Organisation Description

Founded in 1997 by researchers of the Institut Pasteur of Lyon, Novotec is a specialist in production and distribution of specific antibodies against the extracellular matrix macromolecules (collagens, elastin, fibronectin, laminin...). The improved knowledge of histological and immunohistochemical methods makes Novotec an expert in the tissue characterization. Novotec has also know-how in In Situ Hybridization, cellular biology, image analysis... As a service provider, Novotec offers its expertise to companies in the health domain and the private or academic research laboratories (biotechnologies, pharmaceuticals, biodiagnosis, food processing industry, cosmetics, veterinary, tissue engineering...). Working in close collaboration with an anatomopathologist, specialized in human and animal pathologies, Novotec is able to validate observations and conclusions of its studies. Certified according to the ISO 9001: 2008 standard, the Quality Management System of Novotec guarantees the respect of its clients' requirements. Concerned about its clients' satisfaction and willing to foresee their needs, Novotec is involved in a continuous improvement approach.

Areas of Activity

Histology / Staining; Immunochemistry / Immunofluorescence; In Situ Hybridization; Image Analysis; Electronic Microscopy; Antibody Production, Development & Characterization



NPS NanoPolymerSolutions

University

<http://www.kit.edu/>

Eggenstein Leopoldshafen, Germany

Organisation Description

NanoPolymerSolutions is a startup project dedicated to the development and distribution of microoptical components primarily for medical applications. To this end we employ our patented replication process to quickly fabricate structures previously only known from 3D printing.

Areas of Activity

3D (bio)printing; Endoscopy; Imaging; Sales & Distribution; Medical imaging machines (X-Ray, MRI, CT scan); Additive manufacturing; Business Development; Components / Materials; Design / R&D / Engineering; Production



ovesco
innovation in scope

Ovesco Endoscopy AG

Company

<http://www.ovesco.com>

Tübingen, Germany

Organisation Description

Ovesco Endoscopy AG was founded by a group of scientists and physicians. They use their knowledge and research in the field of modern endoscopic and surgical gastrointestinal therapy for the development of innovative products. Our core competence is the development of endoluminal procedures and technologies that bring significant benefits to patients and users in the treatment of gastrointestinal disorders. Our employees strive to develop and deliver innovative products of outstanding quality and exceptional value to the customer.

Areas of Activity

Laboratory / CRO; 3D (bio)printing; Additive manufacturing; Endoscopy



OVIZIO IMAGING SYSTEM

Company

<http://www.ovizio.com/>

Bruxelles, Belgium

Organisation Description

Ovizio is an innovative company on a mission to design efficient microscopy solutions for life sciences applications. Our microscopes are easy-to-use, label-free and non-invasive tools for the three- dimensional real-time imaging of living cells. Based on patented “Differential Digital Holography” technology, our advanced systems generate reliable, high-quality holographic images and track cell density, morphology, viability, viral infection kinetics and activation status with the highest reproducibility at a single-cell level.

Areas of Activity

3D Microscopy; Cell Viability; Flow Cytometry; Cell Counting; Living Cells Imaging; Viral Load Detection; Machine Learning Software; T cells; HEK cells; Viral Vectors; cGMP; CAR-T; Gene Rtherapy; Vaccine Production; Bioprocessing; Manufacturing; Cell Therapy; Holographic Imaging



Phasya

Company

<https://www.phasya.com/en>

Seraing, Belgium

Organisation Description

Phasya develops the first software portfolio for monitoring several physiological and cognitive states (e.g. drowsiness, stress, etc.) that influence human performances. Our solutions are mainly based on the analysis of eye features and heart rate, independently or in combination. Other data such as respiratory rate, electrodermal activity, and voice features can be also used for the analysis.

Areas of Activity

Software Development; Eye Tracking; Image Processing; Engineering; Signal Processing; Drowsiness Detection; Human Factors; Neurology; Safety; Cognitive Load; Stress; FRMS; Fatigue Risk Management



PHATOPHY

Start-ups / SMEs

<http://www.phatophy.com/en/>

MARCY L'ETOILE, France

Organisation Description

Pharmaceutical development (analytical development, quality control, stability studies)

- InLife studies (GLP preclinical studies) and Veterinary Clinical Field Trials (GCP)

- BioAnalysis

- Quality Control (GMP) of API and Veterinary Medicinal Products

- Regulatory Affairs and Project Management

Areas of Activity

Pharmaceutical development; Quality control; Stability studies; Bioassays; Pre-clinical and clinical studies

Organisation Description

Plastibell is a plastics international contract manufacturing company with annual turnover of €100m. As a leading manufacturer of plastic parts, we take part in the challenges of our Healthcare, Connectors and Mobility industries, relying on innovative solutions from our international teams. Our operations are located in France, Mexico, USA and Poland.

The Healthcare Division accompanies its customers in the development of Medical and In Vitro Diagnostics Devices (MD/IVD), from the earliest design stage, right through production.

The Connectors & Mobility Division specialises in developing, engineering and manufacturing technical plastic parts for high-demand applications (safety, quality, etc.) in the aeronautical, automotive, electricity and home automation sectors.

Areas of Activity

Medical: Orthopedics, Dental Health, Ophtalmology, Oncology, Dialysis and Surgery; Diagnostics: Clinical Diagnostics and Industrial Microbiology; Pharmaceutical: Pharmaceutical Laboratories



Politecnico di Torino

University

<http://www.polito.it>

Torino, Italy

Organisation Description

The research at the Electronics and Telecommunication Department – Politecnico di Torino is focused on bioengineering and in particular on the use of machine learning and computational intelligence methods to the analysis and interpretation of biomedical data, signals and medical images; the design and development of medical software; clinical process modelling; telemedicine.

Since the 90s the Electronics and Telecommunication Department supports technology transfer in the fields of biomedical instrumentation and medical informatics.

Areas of Activity

Medical and health data analysis (big data); Telemedicine; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Artificial Intelligence; Imaging data analysis



Politecnico di Torino, Department of Mechanical and Aerospace Engineering

University

<http://www.dimeas.polito.it/en/>

Torino, Italy

Organisation Description

For over 150 years, the Politecnico di Torino has been one of the most prestigious public institutions in Italy and internationally in training, research, technology transfer and services in all sectors of Architecture and Engineering.

Born in 1859 as a School of Application for Engineers, it became the Royal Polytechnic of Turin in 1906. A long history, which has accredited the University as a point of reference for training and research in Italy and Europe, a Research University of international level that attracts students from over 100 countries and activates about 800 collaborations every year with industries, public and private institutions, local organizations.

Areas of Activity

Fluid systems; Industrial Bioengineering; Mechanics of materials; Mechatronics; Microsystems; Nanotechnologies

PolyMedics Innovations GmbH

Manufacturer

<https://polymedics.de>

Denkendorf, Germany

Organisation Description

PolyMedics Innovations (PMI) is a R&D-driven specialist in innovative biomaterials for the effective treatment of wounds. PMI is an owner-managed German medium-sized Company headquartered in Denkendorf, Germany with a subsidiary in Atlanta, USA. Distribution covers over 30 markets globally. PMI's state-of-the-art manufacturing plant is located in Germany.

Areas of Activity

Artificial organs; Funding and Investment; Regenerative medicine; Design / R&D / Engineering; Laboratory / CRO; Production; Sales & Distribution; Service / Maintenance / Supply; 3D (bio)printing; Drug delivery devices; Implants and prothesis; Dentistry; Infectious disease; Material specialist; (Bio-)materials; Aesthetic medicine; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Dermatology; Business Development; Investment/ Financing; Testing & Analysis

Praxi Network/ Science and Technology Park of Crete

Start-ups / SMEs

<https://praxinetwork.gr/en/whoweare/id>

Heraklion, Greece

Organisation Description

PRAXI Network is an established technology transfer organization with long-standing experience in assisting SMEs and research organisations throughout Greece to achieve cross-border technological cooperation. It is a distinct administrative unit operating within the Foundation for Research and Technology – Hellas (FORTH), the most active research organisation of Greece. It started out in 1991 as a partnership between FORTH and SEV Hellenic Federation of Enterprises with the mission to link industry with academia. This strategic alliance of the research and industrial world of Greece was reinforced four years later, when the Federation of Industries of Northern Greece (FING) joined the partnership.

Areas of Activity

Business support; Technology transfer; National contact point; Funding support



PROGETTI MEDICAL

Major groups

<http://www.progettomedical.com>

Trofarello, Italy

Organisation Description

Looking into the future with enthusiasm is the way to create innovative instruments. Being the ideal partner for those who want to make a better world with their work is our purpose. Situated in the North-West of Italy, near Turin, today Progetti is one of the main companies in the world in the field of defibrillators and one of the most dynamic players in the medical sector.

PRODUCTS

DEFIBRILLATORS

- Defibrillators monitors for Hospital and emergency
- Chester-Er (Chest Emergency Rianimation device)
- Innovative Device to protect and give feedback during the CPR: www.chest.er.com

RESCUE SAM AED Defibrillators

- Innovative Defibrillators for public access to fight the sudden cardiac arrest: www.defibrillatori.progettomedical.com

Areas of Activity

Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices);
Diagnostics; Cardiovascular

Organisation Description

PROPLAST is a technological centre focused on research and innovation in the polymer and composite field, whose mission is the creation of a multidisciplinary network, by integrating the industrial and academic worlds and harmonising their competencies, approaches and needs. Proplast was created in 1998 and is organized as a cluster (recognized at European level - ESCA silver labelled), that nowadays includes 169 enterprises, 9 industrial associations and 13 academic members.

Proplast facilities include pilot lines of the main technologies for polymer production and processing, i.e. extrusion and compounding, injection molding and thermoforming, fiber reinforced composite production. Extrusion equipment includes also a special dye for co-extrusion of filaments, currently used for biomedical applications. Moreover, Proplast has an advanced design lab (CAD/CAM, FEM analysis, structural analysis, processing simulation) and material characterization laboratories.

Proplast is currently involved in several collaborative projects at European (Plasticircle, Newpack - H2020) and national level (Reciplast, Prime, Deflect – Piedmont Region).

Areas of Activity

Business support; Cluster management; Coordinator of funding projects



ProPlus
Company
<http://www.pro-plus.pl/pl>

Warsaw, Poland

Organisation Description

Pro-PLUS SA is the producer of a system of cardiac telemonitoring at a distance. The teleEKG® system developed by our company has met with recognition and satisfaction on the part of users for over 20 years.

Since 1993 Pro Plus has been developing comprehensive systems in cooperation with key medical institutes and units, making it possible to measure ECG, the pulse, blood saturation, arterial blood pressure and body mass, transmit results of measurements to a monitoring centre, have voice communication with a doctor directly from ECG apparatus and to notify doctors of new ECG tests by text messaging.

The system comprises teleEKG® devices performing measurements and digital data transmission as well as CardioScp computer software for collecting and archiving test results.

Areas of Activity

Medical Devices; Telemedicine; Telemedical Platform



PSYKOLAB

Start-ups / SMEs

<http://www.psykolab.fr>

LYON, France

Organisation Description

PSYKOLAB is a start-up founded in 2015 by four social psychologist, using behavioral and social sciences to respond to societal concerns (public health, quality of life, mobilities, urbanism, etc.) and need of resilience and sustainable development.

Areas of Activity

Consultancy; Human and social sciences



PX Therapeutics

Company

<https://px-therapeutics.com/>

Grenoble, France

Organisation Description

Support biotech/pharmaceutical companies and laboratories in the development, bioproduction and characterization of recombinant proteins, monoclonal antibodies/antibody fragments and whole microorganisms, from early stage up to process development.

Areas of Activity

Biotechnology; Sequence Optimization: Peptides, Proteins, Monoclonal Antibodies, Antibody Fragments; Microbial Production; Mammalian Production; Purification; Process Development; Analytics



Quality by Design

Start-ups / SMEs

<http://www.qbd.eu>

Braine l'Alleud, Belgium

Organisation Description

QbD is a partner in the development of qualitative and advanced therapies and technologies for the benefit of patients and consumers worldwide. Our knowledge and expertise are at our clients' disposal.

We gained this expertise in following main domains:

- Quality Assurance
- Validation & Qualification
- Regulatory Affairs
- Project Management & Support

Within our two focal points (ATMPs and Medical Devices), we want to take on a pioneering role on a global level and help determine the rules in these two fields.

In the short and mid long term, we aim to be present in 5 European countries by starting up QbD subsidiaries or via acquisitions. Additional to those, we also aim to have a few subsidiaries in North-America and Asia.

Areas of Activity

Validation; Quality Management; Technology Transfer; Training (GMP, GAMP5, GLP, GDP); Auditing; GAMP5; Qualification; QbD; QMS; GMP; GDP; Serialization; Data Integrity; Consultancy; Medical Devices; MDR; MDD; Biotech; Regulatory



Regional Center of Blood Donation and Treatment Katowice (RCKiK)

Research Center

<http://www.rckik-katowice.pl/>

Katowice, Poland

Organisation Description

RCKiK exists since 1948. The main activity of our Center is to provide blood and its components and also tissue specimens for healthcare facilities. We do special supervision over the management of blood and its components, as well as the rules the haemotherapy and the correct execution of immunohaematological tests in 79 laboratories in Silesia region. We organize education and trainings for medium and high level medical staff. We implemented and certified Quality Management System based on ISO 9001:2015, which is systematically controlled in accordance with documented procedure related to internal audits

RCKiK in Katowice is the only one which is the producer of all necessary reagents for the in vitro serological diagnostics . A long-term experience, very well qualified personnel as well as the modern base and equipment allow us for systematic expand the range of produced reagents.

All our produced reagents are certified for sign according to Essential Requirements of EC Directive 98/79/EC. Reagents are registered in the Office for Registration of Medicinal Products, Medical Devices and Biocidal Products and also have been accepted by the Institute of Haematology and Transfusion Medicine in Warsaw.

Attempting to satisfy the growing requirements of clients, except the stock presented in our catalog Serological Reagents for in vitro Diagnostics, we still conduct design works concerned to developing and launching new diagnostics reagents.

Areas of Activity

Provide blood and its components and also tissue specimens for healthcare facilities

Organisation Description

Regional public authority of Auvergne Rhône-Alpes

Areas of Activity

Economic development; Innovation and internationalisation; Regional Scheme for higher education; Research and innovation

Reutlingen Research Institute

Academics / Competence center

<https://www.reutlingen-university.de/forschung/reutlingen-research-institute/>

Reutlingen, Germany

Organisation Description

The Reutlingen Research Institute (RRI) is responsible for research at Reutlingen University. It is the central academic institution of the university, where all activities in the field of research and development are bundled. The RRI office serves as a service facility and provides a comprehensive range of services from support in project acquisition to budget management and controlling. The RRI also sees itself as a competent contact for industry as well as for other research institutes and universities. The aim is to work successfully with these partners on challenging projects and to involve the students in projects.

Areas of Activity

Technology transfer; Business support; R&D; Education



Hochschule Reutlingen
Reutlingen University

Reutlingen University

<https://biomat.reutlingen-university.de/about-us/about-us-smart-biomaterials-group/>

Reutlingen, Germany

Organisation Description

Our Team - supervised by professor Petra Kluger - is part of the research group Smart Biomaterials located at Reutlingen University. We focus on skin and fatty tissue engineering and therefore research in third-party funded tissue engineering projects at the Reutlingen Research Institute. As commonly used fabrication technique we established 3D bioprinting with different materials to build up our cellular models.

Areas of Activity

3D (bio)printing; Regenerative Medicine



Revolve - Med Software House

SME

<https://revolve.pro/>

Katowice, Poland

Organisation Description

Revolve is a growing software development company based in Katowice, Poland. We design, build and supervise the development of digital products. We provide dedicated development teams to build, develop and maintenance tech products.

We are offering also CTO consultancy and project management throughout the whole development process from the planning of the architecture design and choice of technology, through development to product launch and maintenance.

Our developers specialize in JavaScript and Python-related technologies.

Revolve specializes right now in the medical industry to become a top of the mind provider of software technologies in the health-care environment. We have experience in image processing, IoT integrations and machine learning.

Areas of Activity

IoT; Design / R&D / Engineering; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Artificial Intelligence; Imaging; Imaging data analysis



Scienion

Start-ups / SMEs

<https://www.scienion.com/>

Berlin, Germany

Organisation Description

SCIENION is a global market leader in precision dispensing. Typical application for handling pico and nanoliter volumes include microarray as well as biosensor technologies.

Our customers in the life science and diagnostic industries benefit from a unique product portfolio advancing and facilitating rapid tests, multiplex analysis, miniaturization and automation.

Areas of Activity

Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); Biotechnology; Biochemistry; Molecular biology; Microarrays; Microfluidics; Cell line development

SHS Gesellschaft für Beteiligungsmanagement mbH

Investment/Financing

<http://www.shs-capital.eu/en/>

Tuebingen, Germany

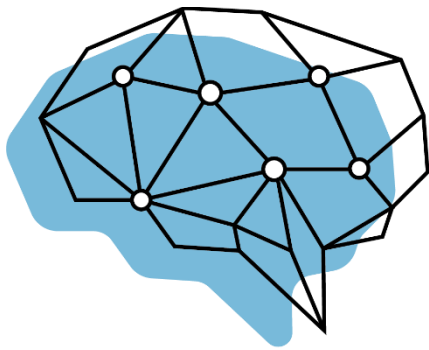
Organisation Description

SHS is one of the leading healthcare growth investors in Germany and has launched five generations of funds since its foundation and invested in over 50 companies. Investments are currently being made by the fourth and fifth generations of funds. The latest fund, SHS V, is still open for subscription until end of June 2019.

We do invest in young, high-growth companies as well as realize small buyouts and growth financings of established companies.

Areas of Activity

Additive manufacturing; Artificial organs; Hygiene, sterilisation, disinfection; Regenerative Medicine; 3D (bio)printing; Endoscopy; Surgical instruments; Implants and prothesis; Pacemakers; Investment/ Financing; Operating technology, operating equipment; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); (Bio-)materials;IoT;Medical and health data analysis (big data); Funding and Investment; Imaging data analysis; Physiotherapy, orthopaedic technology; Telemedicine; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); Imaging; IVD kits; Artificial Intelligence; Laboratory technology; Wearbles; X-Ray; Drug delivery devices; Hospital information system; Intense medicine, anesthesiology, respiration; Readers/instruments



SIBIUS

Start-ups / SMEs

<http://www.sibius.eu/>

VILLEURBANNE, France

SIBIUS

Organisation Description

For the past ten years, medico-scientific research has shown the interest of eye movement analysis to evaluate the proper functioning of the brain. But these tools remain in the field of research because they are too complex and too expensive to use in current medical practice.

That's the reason why we developed Digitracking, a software that replicates the performance of eye-tracking using a simple touch pad. SIB_DX is the first application developed by SIBIUS that targets early detection of autism. The proof of concept in autism was performed on a sample of 40 subjects and resulted in an accepted scientific publication in NATURE COMMUNICATIONS. SIBIUS is developing research partnerships with autism-expert hospitals and early childhood organizations to collect exploratory data needed to design the autism screening algorithm.

In autism, SIB_DX is an objective and powerful tool that is easy to use and therefore usable by professionals not trained in autism. It is a software that is downloadable on a simple touch pad so deployable quickly around the world. Each use generates additional data that enhances the tool's performance and will make it the global reference tool for tracking neurodevelopmental disorders in children and later for all neurocognitive disorders in adults and the elderly.

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Neurology



Silesian University of Technology, Faculty of Biomedical Engineering

University

<http://www.polsl.pl>

Zabrze, Poland

Organisation Description

Silesian University of Technology is one of the largest technical universities in Poland located in the south part of the country currently teaching more than 25000 students altogether at 14 faculties. Faculty of Biomedical Engineering is the youngest one with only 8 years of experience but with full academic rights to lead both Ph.D. and habilitation (D.Sc.) procedures. Faculty consists of 4 departments: 1. Informatics and Medical Equipment; 2. Biomaterials and Medical Devices Engineering; 3. Biomechatronics; 4. Biosensors and Biomedical Signals Processing and therefore covers the whole spectrum of biomedical engineering.

Areas of Activity

Regenerative medicine; Artificial Intelligence; Hospital information system; Medical and health data analysis (big data); Regenerative Medicine; Gastroenterology; Artificial organs; Pacemakers; Wearables; Cardiovascular; Neurology; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Imaging; Telemedicine; Genetics medicine; Imaging data analysis; Implants and prosthesis; Testing & Analysis



Silony Medical

Manufacturer

<http://www.silony-medical.com/>

Leinfelden-Echterdingen, Germany

Organisation Description

Silony Medical GmbH: We develop and manufacture products, which are tailored exactly to the needs of the surgeons, clinical staff and patients. As passionate experts, we create solutions, which are satisfying in daily surgical practice.

Areas of Activity

Medical Products



Sinnovial

Company

<http://www.sinnovial.com/fr/>

Échirolles, France

Organisation Description

SINNOVIAL is a biotechnology company focused on the development of personalized medicine tools aiming to improve the management of inflammatory diseases in rheumatology (rheumatoid arthritis, ankylosing spondylitis, etc.). From a simple blood sample, the SINNOTEST is able to predict the effectiveness of a treatment before its prescription based on the analysis of specific biomarkers of the patient.

Areas of Activity

Diagnostics; Biotechnology; Chronic Inflammatory Rheumatism; Personalized Medicine



Skygate

Start-ups / SMEs

<https://skygate.io/>

Gliwice, Poland

Organisation Description

Venture builder, technology for corporates, incubator, innovations, innovation lab, your AI & tech partner for years

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Artificial intelligence; IoT; R&D; Intellectual properties; Investment/ Financing



Soladis

Company

<http://www.soladis.com/fr/>

Lyon, France

Organisation Description

Soladis is a service provider specialized in the data field. Via our expertise in biostatistics, data science, IoT, digitalization, clinical trials, we are the guarantee of a good management & treatment of your data-related projects.

Areas of Activity

Statistics; Omics; Clinical Studies; Digitalisation of Clinical Data; Artificial Intelligence & Big Data



Sorin Group Italia s.r.l.

Manufacturer

<https://www.livanova.com/en-US/>

Milano, Italy

Organisation Description

LivaNova, headquartered in London - UK, is a global medical technology company formed by the merger of Sorin S.p.A., a leader in the treatment of cardiovascular diseases, and Cyberonics, a medical device company with core expertise in neuromodulation. As pioneers of the VNS (Vagus Nerve Stimulation) Therapy® system, LivaNova delivers advanced medical device solutions for people affected by drug-resistant epilepsy, treatment-resistant depression and heart failure. Additionally, the Company utilizes hypoglossal nerve stimulation to treat obstructive sleep apnea (OSA).

As a global leader in cardiac surgery, LivaNova state-of-the-art cardiac surgery solutions have contributed to significantly enhance patient outcomes. LivaNova has an established leadership position in heart-lung machines and recognition as the world's #1 cardiopulmonary bypass company. Today our devices and systems are used in more than 50% of open-heart surgery procedures worldwide. Plus, our innovative advanced circulatory support solutions are designed to provide powerful cardiac and respiratory failure support to patients around the world.

Areas of Activity

Medical Device; Carbofilm™; Single Suture Stentless Valve; High Performance Aortic Valves; Perceval Sutureless; Pericardial Tissue Valves; 3D Motion Annuloplasty Ring; Oxygenator; Heart-Lung Machine; Autotransfusion Systems; Heart Failure Management Systems; Neurostimulation; Percutaneous Mitral Valve Repair

South-East Asia Intellectual Property SME Helpdesk

Clusters / Foundations

<https://www.southeastasia-iprhelpdesk.eu/>

Porto, Portugal

Organisation Description

The South-East Asia IPR SME Helpdesk supports European Union small and medium sized enterprises protect and enforce their Intellectual Property rights in or relating to Southeast Asian countries, through the provision of free information and services.

Areas of Activity

SME support; Intellectual property rights;
Internationalisation

South Transdanubian Innovation Agency

Public authorities

<https://ddriu.hu/en/home/>

Pécs, Hungary

Organisation Description

STRIA South-Transdanubian Regional Innovation Agency Nonprofit Ltd. is an innovation agency being established in 2008, in its operation covering the geographical area of SouthTransdanubia in Hungary. As a small and medium sized non-profit Ltd. with eight staff members has been actively contributing to development of local/regional economy and of education sphere (at ISCED levels of upper secondary and tertiary education), mainly by its European Territorial Cooperation projects (in all strands). These projects were targeting different aspects of vocational education and training for improving skills, competence and knowledge of enterprises, companies, business support organisations, clusters in different domains of the economy (for details see the list of STRIA projects below).

Areas of Activity

Consultancy; Proposal writing; Cluster support; Event organization; Business support; Internationalisation

State Development Corporation of Thuringia / ThCM

Public authorities

<https://www.leg-thueringen.de/en/>

Erfurt, Germany

Organisation Description

The State Development Corporation of Thuringia (LEG) is an economic development agency, LEG markets Thuringia, drives technology and innovation transfer, supports the recruitment of skilled workers and provides all-in-one services to attract investors to this region in Europe's heartland.

Areas of Activity

Business support; Internationalisation; Cluster Management; Investment/ Financing



Steinbeis 2i GmbH

Consulting

<http://steinbeis-europa.de>

Stuttgart, Germany

Organisation Description

Steinbeis2i GmbH is part of the Steinbeis network for technology transfer with over 700 centres. The core activities within the Innovation System of Baden-Württemberg comprise, among others: a) assisting industrial companies in participating in European R&TD; b) promoting cross-border technology transfer; c) stimulating and supporting the innovation process in industrial companies; d) supporting the regional key players (regional development agencies etc.) in getting involved in trans-national networks; e) supporting trans-national initiatives of the region for good practice exchange in innovation issues like entrepreneurship, business succession, women entrepreneurship, incubators and start-up support from universities; f) supporting lean innovation management and strategies for companies (SMEs) (Design thinking, Scrum..) g) supporting the establishment and internationalization of networks and clusters.

Areas of Activity

Business Development

Stemcell Technologies

Major groups

<https://www.stemcell.com/>

Grenoble, France

Organisation Description

STEMCELL Technologies Inc. is a Canadian biotechnology company that develops specialty cell culture media, cell isolation systems and accessory products for life science research. Driven by science and a passion for quality, STEMCELL supports the advancement of scientific research around the world with our catalogue of more than 2000 cell biology research tools.

Areas of Activity

Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); Biotechnology; Molecular biology; Stem cells; Laboratory / CRO



SUBLIMED

Company

<https://subli-med.com/sublirmed-team-management/>

Moirans, France

Organisation Description

SUBLIMED develops a TENS medical device for management of chronic pains, which affect 1.5 billion people in the world. TENS is a well-proven, non-invasive, analgesic technique that is widely used to relieve chronic pain. It consists in stimulating the peripheral nervous system by means of a low intensity electrical current, to block the transmission of the painful signal and to induce the secretion of endorphins. TENS is a localized, reversible and adjustable action, without any side effects.

Areas of Activity

Neurology; Chronic Pain; Drug-free Therapy;
Transcutaneous Electrical Nerve Stimulation; Lumbar
Electrods



Synergia Medical Company

<http://www.synergia-medical.com/>

Mont-Saint-Guibert, Belgium

Organisation Description

Founded in 2013 by two entrepreneurs with complementary skills, Synergia Medical aims at developing a technological platform which could benefit the next generation neurostimulation devices. It relies on a seasoned management team with extensive experience in developing implantable neurostimulators.

In only few years time, the company became ISO13485 certified and is currently designing and testing prototypes.

Supported by private investors and public research grants, the company has quickly grown to a team of thirteen highly skilled multidisciplinary professionals.

Areas of Activity

Medical Devices Conception; Medical Devices Production;
Medical Devices Design; Project Management



Technomex

Technomex

Start-ups / SMEs

www.technomex.pl

Gliwice, Poland

Organisation Description

Manufacturer and distributor of medical-grade devices. Technomex manufacture hydrotherapy devices, rehabilitation tables, kinesiotherapy products, hand ergotherapy tables, suspension therapy set, cryotherapy. Every product is designed with greatest precision to help patient and simplify the work of therapist.

Areas of Activity

Rehabilitation (diagnostic@therapy), hydrotherapy equipment, kinesiotherapy equipment, physiotherapy equipment, physical therapy equipment.



Tecnologie Avanzate

Company

<https://tecnologie-avanzate.com/>

Torino, Italy

Organisation Description

Tecnologie Avanzate was born in 1971 introducing on the Italian market innovative medical technologies in the field of nuclear physics and RX diagnostics, focusing progressively over the years on advanced systems such as solid state dosimetry, nuclear medicine with special detectors and DSP technology and accelerators integrated with imaging. In the following years, the company expanded its product range to new areas such as radiotherapy, neurosurgery, radiology and imaging, establishing exclusive collaborations with leading multinational corporations and cutting-edge research centers for software development, computational algorithms and clinical trials.

Today the company, thanks to its great experience in oncology, neurosurgery, radiation protection and medical physics, has several exclusive distribution contracts in Italy and has numerous installations in the main national reference centers.

Areas of Activity

Medical devices; Biotech Healthcare; ICT for Health / e-health



The Silesian University of Technology Faculty of Biomedical Engineering

University

<https://www.polsl.pl/wydzialy/rib/Strony/Witamy.aspx>

Zabrze, Poland

Organisation Description

The Silesian University of Technology (SUT), is the oldest technical university in the region and one of the most prestigious in Poland. 15 educational units of the University – 13 faculties, one college and a scientific-didactic centre – currently offer almost 60 study programmes and about 200 specializations, including the whole spectrum of engineering studies. The Silesian University of Technology occupy leading positions in both national and international rankings. The University was recently honoured with an “HR Excellence in Research” Logo, which confirms that the university operates in accordance with the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers. SUT was also awarded an ELSEVIER Research Impact Leaders 2016 award in the Engineering and Technology category, focusing on the impact of the university on the visibility of Polish science worldwide. As a prestigious European technical university, the Silesian University of Technology hosts innovative research and development activities, and educates highly professional staff for the knowledge-based society and economy. It also actively stimulates the growth of the region and the local communities.

Areas of Activity

Biomedical Engineering

THUASNE

Major groups

<https://www.thuasne.com/en>

Lyon, France

Organisation Description

Thuasne addresses the needs of today's patients via a very broad range of devices, bringing tried and tested therapeutic solutions in a number of the main families of diseases and conditions: Backache, from neck pain to low back pain, including pregnancy-related backache and pain related to spinal deviations;

Musculoskeletal injuries and problems, from the shoulder to the foot, via the knee, elbow and hand;

Chronic venous disorders resulting from venous disease, with the associated feeling of heavy legs and varicose veins;

Lymphology with lymphoedema, including following breast cancer; breastcare solutions to be mentioned

Mobility and homecare to maintain the mobility and comfort of the elderly, people who are ill or disabled or those who are convalescing.

Thuasne also uses its expertise to create sports products to help prevent injury and aid the resumption of sports activities.

Areas of Activity

Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Orthopaedics; Lymphology

Toray Industries, Inc.

Manufacturer

<http://www.toray.com>

Otsu, Japan

Organisation Description

Manufacturing, processing and sales of Fibers and Textiles, Performance Chemicals, Carbon Fiber Composite Materials, Environment and Engineering and Life Science.

Areas of Activity

Implants and prothesis; Cardiovascular; Oncology; Design / R&D / Engineering; Gastroenterology; Infectious disease; Regenerative medicine; Material specialist; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); 3D (bio)printing; Artificial organs; (Bio-)materials



Trasis
Company
<http://www.trasis.com/>

Ans, Belgium

Organisation Description

At Trasis our primary focus is allowing the medical community to access new radiolabelled therapeutic and diagnostic substances easier and faster. To this end, we design, manufacture, sell and support high performance synthesizers, dose preparation equipment, their shielding and accessories. We also develop customized synthetic methods and instruments. We can provide GMP Active Pharmaceutical Ingredients (API) and assist our customers with their regulatory affairs. Our proven radiopharmaceutical expertise, coupled with our high end instruments allow us to provide fully integrated solutions for an effective tracer production and faster transition from drug development to marketing authorization. Our equipment is used worldwide in nuclear medicine departments, research centers, radiopharmaceutical production facilities and pharmaceutical companies.

Trasis is a ISO 9001-certified company.

Areas of Activity

Radiochemistry; PET; Synthesizer; Dispenser

Trinity Centre for Biomedical Engineering

Academics / Competence center

<https://www.tcd.ie/biomedicalengineering/regenerative/kellylab/>

Dublin, Ireland

Organisation Description

Multidisciplinary orthopaedic tissue engineering group based in the Trinity Centre for Bioengineering. The goal of the lab is to understand how environmental factors regulate the fate of adult stem cells. This research underpins a more translational programme aimed at developing novel biomaterial and mesenchymal stem cell (MSC) based therapies to regenerate damaged and diseased orthopaedic tissues such as articular cartilage and bone.

Areas of Activity

Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); Orthopaedics; (Bio-)materials; Design / R&D / Engineering

TU Darmstadt

University

https://www.etit.tu-darmstadt.de/mems/site_mems/index.en.jsp

Darmstadt, Germany

Organisation Description

Research on parallel kinematic based single-port-surgical Robot with haptic force and tactile feedback. Project FLEXMIN is founded by DFG.

Areas of Activity

Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); Additive manufacturing; Operating technology, operating equipment; Others; Design / R&D / Engineering

Université de Mons - Automation Laboratory

Academics / Competence center

<http://umons.ac.be/>

Mons, Belgium

Organisation Description

The Automation Laboratory of University of Mons - department of the Institute of Biosciences - offers the following services:

- *Cultivation of microorganisms (modeling, operation, control)*
- *Wastewater treatment (decanting, biofilter, activated sludge process, membrane filter, etc.)*
- *Investigation of industrial processes: optimization / definition of optimal operating conditions*
- *Design of controllers / controller process-specific variables*
- *Analysis of the controllers present in a process (PLC, automats, etc.)*
- *Design of software sensors (based on a mathematical model of the process ==> can replace expensive hardware sensors) or parametric estimators*
- *Mathematical modeling of a process: prediction of the behavior of the process or explanation of physical phenomena that take place there*
- *Design of digital process simulators (programming of simulation codes in Matlab, Scilab, Octave, R)*

Areas of Activity

ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); Microbiology; Biotechnology; Automation



University Hospital of Lyon (HCL)

Hospital

<https://www.chu-lyon.fr/fr>

Lyon, France

Organisation Description

The Hospices Civils de Lyon is a public health establishment of excellence and ranks second among French University Hospital centres.

For more than 200 years, as a competence centre combining all medical and surgical disciplines, the Hospices de Lyon has had a broad range of human, technical and logistical resources to complete their mission of cares, teaching, research, medical innovation, prevention and health education.

It is now grouping 14 multidisciplinary and specialised establishments which carry out a broad range of missions.

The HCL is also a world-class cancer centre and ranks in the world top 25 hospitals.

It is a referral establishment mainly in neurosciences, genetics and rare diseases.

With an annual budget of 1,6 billion euros and more than 5,300 beds, more than 23,000 professionals among which 5,000 internationally renowned doctors using cutting edge technologies dedicate themselves to their mission everyday contributing to achieving a better health for French and European people.

Areas of Activity

Cancer Care, Oncology Reserach; Developing New Therapies; Aging Prevention; Clinical Research



UNIVERSITÄTS
KLINIKUM
TÜBINGEN

University Hospital Tübingen – Department of Urology

University

<https://uro-tuebingen.de/home-en.html>

Tübingen, Germany

Organisation Description

The research area of urological oncology covers the entire spectrum of urological malignancies. It includes the Laboratory for Urological Oncology and the area of clinical research work. Experimental work on expressions of protein and nucleic acid is conducted at the laboratory; the clinical work includes scientifically evaluating the courses of diseases. Through the close cooperation of the two areas, the results determined in the laboratory can be directly related to those who are affected in the clinic: optimal preconditions for translational research.

Areas of Activity

Imaging data analysis; Oncology; ICT for health / Digital health (telemedicine, IoT, medical and health data analysis (big data), imaging data analysis, hospital information system); CT scan; Funding and Investment; Medical and health data analysis (big data); Orthopaedics; Design / R&D / Engineering; Medical therapeutic devices (surgical instruments, pacemakers, artificial organs, drug delivery devices); 3D (bio)printing



University of Tübingen – Institute for Ophthalmic Research

University

<http://www.eye-tuebingen.de/>

Tübingen, Germany

Organisation Description

Within the Center for Ophthalmology at the University of Tübingen Medical Centre, we and our colleagues at the University Eye Hospital jointly strive for scientific excellence, for speed in translating the advancements into patient's benefit, and for training and mentoring the next generation of leaders in our field.

As leaders and partners in multi-national collaborations, we work for continuous strengthening our ties to fellow international scientists in the public and private sector and to foundations, industry and patient organizations.

As an integral part of Tübingen's biomedical and neuroscience campus, we offer a scientific environment that favors creativity for generating groundbreaking ideas, their transfer into reality and their translation into diagnostics and therapy to help those that suffer from vision loss.

Areas of Activity

Pathomechanisms and Risk Factors; Multimodal diagnostics for personalized medicine; Innovative Therapies



us4us Ltd.

Company

<http://us4us.eu/home/about-us-home-section/>

Warsaw, Poland

Organisation Description

The company's primary goal is the further development of the ultrasound research platforms, as well as the design of new methods and ultrasound diagnostic systems for medical and industrial applications. Our partnership with IFTR PAS allows us to offer services in the certification of medical devices and acoustic measurements.

Furthermore, we aim to offer additional services in both professional electronic design and R+D

Areas of Activity

Currently produce two versatile ultrasonic systems (platforms) for research applications. Both systems are rooted in one common architecture of raw echo signal acquisition and software processing on GPU units. The systems guarantee full control over the ultrasound signal transmit/receive process, and make possible the implementation of original signal processing algorithms on the CPU/GPU. This versatility and programmability predisposes our platforms to function well within fields of ultrasound imaging in medical and non-destructive testing R+D, as well as the prototyping, testing and implementation of new methods and algorithms.

VERHAERT
MASTERS IN INNOVATION



Verhaert
Company

<https://verhaert.com/>

Kruibeke, Belgium

Organisation Description

Verhaert supports start-ups and leading healthcare companies during complex development projects. The team of more than 200 people specializes in all relevant disciplines: portfolio strategy, design, behavioral research, human factors, optics, physics, mechanics, electronics, digital and data.

Areas of Activity

Design Research; New Product Introductions; Innovation Methodology; Embedded Systems; Technology Transfer; Optical Engineering; Mechanical Design; Design Thinking; Research; System Engineering; Simulation; IOT; Sensors; Value Engineering; Value Design; New Product Management; Business Model Design; Artificial Intelligence; Medical Devices

Organisation Description

VetAgro Sup is a Higher Education and Research Institution belonging to the Ministry of Food and Agriculture. As the only French structure to train not only Veterinarians but also Agricultural engineers and veterinary public health inspectors, VetAgro Sup develops training and research activities that are naturally in line with the key thematic « Global Health », a rising from the interface between human, animal and environmental health.

At the national level, VetAgro Sup is a member of Agreenium, which brings together 14 agricultural higher education Institutions and 4 research and expertise Institutes.

Training courses: veterinary doctors, agricultural engineers and veterinary public health inspectors to meet the challenges of global health.

Research: at the heart of VetAgro Sup's missions, research provides the basis for the curriculum taught and contributes to the dissemination of knowledge beneficial to major scientific challenges in life and health.

Expertise: with its 17 technical platforms, VetAgro Sup is a major player in the development of new technologies in the Institution's fields of expertise.

Areas of Activity

Tissue and molecular Diagnostic Devices and associated intruments (IVD kits, readers/instruments); Translational medicine; Biomarkers and bio-engineering ; Animal models



Vimex Sp. z o. o.

Company

<https://vimex.eu/>

Gliwice, Poland

Organisation Description

Vimex runs a business in medical field with Vimex Endoscopy label since 2006 and is one of few world-wide original manufacturers of rigid endoscopy devices like: arthroscopy shavers, fluid pumps, video endoscopy systems and light sources. During the first years of activity, Vimex was manufacturing medical devices sold under different brands around the world. Due to the quality of its products, Vimex has reached a high recognition on the market and become one of the most respected European OEM manufacturers in the world. Today Vimex Endoscopy medical equipment (CE marked) is successfully used in over 45 countries.

Medical equipment manufactured in Gliwice, Poland are successfully used in many European countries (mainly in Germany and Switzerland), in Asia, Africa and Latin America. Every year VIMEX ENDOSCOPY devices find their recognition on the largest international medical trade fairs, such as Medica in Germany or Arab Health in Dubai, UAE.

To ensure the highest quality of its products and their compliance with legal requirements, the Company has implemented ISO 13485 systems for designing and manufacturing medical equipment. All VIMEX ENDOSCOPY devices are CE marked.

Areas of Activity

Design and manufacture of active medical devices for endoscopic surgery:

- arthroscopy shaver systems with blades and burs,
- medical fluid pumps dedicated to arthroscopic, hysteroscopic, urologic and laparoscopic surgeries,
- endoscopic cameras,
- LED light sources.

A complete solution dedicated to minimal invasive arthroscopic surgeries, which helps medical professionals to ensure a high precision of the surgery and minimize damages of injured soft tissue.

Products

- *high quality **arthroscopic shaver systems**, enhanced by a wide range of rotational speed and high efficiency of the drive unit, controlled by a wireless or cable footswitch, with dedicated **blades and burs**;*
- ***fluid pumps and suction-irrigation pumps with sterile tubing** - used to deliver fluids to the operating area under a given pressure, dedicated to **arthroscopic, urological, hysteroscopic and laparoscopic** procedures;*
- ***vision system elements** - light sources, modern integrated endoscopic cameras offering HD resolution and recording devices.*



The key product: **Barracuda® Shaver System** - high quality arthroscopic shaver system designed for efficient and easy usage. Drive unit enhanced by a wide range of functionality for smooth operation of ergonomically designed shaver handpiece with buttons which can be controlled also by a cable footswitch.



Vimex offers also an additional equipment and accessory sales for arthroscopic, hysteroscopic, urologic and laparoscopic surgeries.

Expertise

We are the Original Design Manufacturer (ODM) of endoscopy devices. We design and develop complete solutions covering electronic circuits, mechanics and firmware.

- *Devices manufactured by Vimex Endoscopy require deep and large experience in:*
- *Digital and analogue electronic circuits*
- *Firmware and software development*
- *Fine mechanics*

Since the very beginning of our activity we deliver sophisticated solutions and devices for respected medical companies around the world. We also run individual projects covering modification and improvement of existing products of other manufacturers.

Partnership


The company conducts international cooperation in the field of **R&D works** (for example: implementation of projects in the H2020 program with research units and entrepreneurs from Israel, Italy, France, Germany, Sweden).

Vimex offers sales of its products around the world – Vimex labelling or OEM/OBL collaboration.

Project Cooperation

Vimex is interested in cooperation with 3 types of partners:

- 1) **R&D centres** - *cooperation in supporting research and development of active medical devices developed and manufactured by Vimex, in particular: electromagnetic compatibility (EMC) tests, material tests, biocompatibility tests and others, at the design stage of devices, including implementation joint scientific-research and implementation projects;*

- 
- 2) **Clinical centres** (private and public) with departments of surgery, orthopaedics, urology, gynaecology and ENT - cooperation in the field of usability testing and clinical testing of active medical devices developed and manufactured by Vimex and in the field of education of medical students (Vimex offers access to specialist research infrastructure);
- 3) **Business partners** - expected types of cooperation:
- as a sub-supplier of components for manufactured electronics, mechanical components, surface engineering processes, laboratory tests and validation of device prototypes;
 - with companies having a developed distribution network in the medical industry in order to reach the end customer for products offered by Vimex, which are: public and private hospitals (with operating rooms);
 - in helping to find, develop or implement medical production management software.



WAMTECHNIK Sp. z o.o.

Clusters / Foundations

<https://wamtechnik.pl/>

Warsaw, Poland

Organisation Description

Wamtechnik is a European leader in power supply systems and in the production of rechargeable and non-rechargeable battery packs.

We offer services relating to the distribution of rechargeable and non-rechargeable batteries and the design and production of dedicated rechargeable and non-rechargeable battery packs for industrial applications. We provide professional advice and suggest a suitable solution for any device in any branch of industry.

Our products consist of contemporary power supply systems. We usually use lithium-ion technologies, characterised by high energy density, a wide range of operating temperature and the long cycle life of the cells (up to 15,000 cycles, depending on cell parameters). Our solutions also use nickel, lead-acid, lithium and alkaline cells.

Having been on the market for over 25 years, we have successfully completed many innovative projects for demanding Clients. Practical expertise based on experience is our major strength.

Areas of Activity

Battery power systems, rechargeable and non-rechargeable batteries.

Professional advice and suggest a suitable solution for any device in any branch of industry.



Warsaw University of Technology - CEZAMAT

Academics / Competence center
<http://www.cezamat.eu>

Warsaw, Poland

Organisation Description

The Centre for Advanced Materials and Technologies is an in-house research centre of the Warsaw University of Technology. CEZAMAT offers office and conference space and several types of laboratories: semiconductor cleanrooms (ISO 4-7), biotechnological cleanrooms and classic high laboratories of increased cleanliness.

CEZAMAT laboratories are available to third parties in two main types of collaboration: Project collaboration when a technical challenge of our client is resolved with utilization of CEZAMATs expertise by dedicated in-house teams

Team and laboratories of selected complementary platforms:

- Platform for development of new materials and nano-suspensions / aerosols.*
- Modelling and simulation platform concentrates on investigation of materials parameters.*
- Platform of the technology of structures, devices and circuits for construction of various structures, devices and circuits: electronic, photonic, and semi-conductor microsystems*
- Bioengineering platform for design and fabrication technologies of functional materials including biocompatibility, biological substitutes of tissues and organs, biofabrication processes for development of 3D biological models applied in drug and treatment testing.*

Areas of Activity

Tissue and molecular Diagnostic Devices and associated instruments (IVD kits, readers/instruments); (Bio-) materials; Design / R&D / Engineering; Testing & Analysis; Components / Materials



WÓJCIK DESIGN

Company

<http://wojcikdesign.pl/>

Żywiec, Poland

Organisation Description

Professional office of the design product: we are a team of professionals - industrial designers, engineers, technologists and experts.

Project management of the product design: coordinates the cooperation with the relevant departments of the customer and its suppliers. We provide full documentation of the development of technical and technological project.

Managing a product design project: we co-operate with the relevant departments of the client as well as its co-operators.

Certification of medical products: preparation of technical documentation of the medical device.

Areas of Activity

Medical; Rehabilitation; Laboratory Equipment

Benefit from S³martMed network

The S³martMed partners objective is to encourage interregional / European collaboration projects (R&D, business collaborations). To this purpose we remind you the partners are at your disposal for further matching of competences, or information about funding opportunities:

For your information, in each region of the cluster partners, some regional funding schemes exist and are open to R&D collaborations between different EU players. Don't hesitate to contact us to get further information.

The content of the profiles is an abstract from the profiles of the b2match platform, databases of cluster organisations and of the organisations' websites/social media. No liability is assumed for the correctness of the contents.

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