



STYRIA THE HOTSPOT FOR LIFE SCIENCE INNOVATION

1,2 MILLION
INHABITANTS ...

INTRODUCING STYRIA

BUT...

- 9 universities including 3 Universities related to Life Sciences
- 68.000 students
- 13 research institutions including the top 2 in Austria
- 25 Centers of Competence / applied research
=> ranks on top in Austria
- 5.14 % average R&D rate => ranks on top of all regions in Europe

INTRODUCING STYRIA

STYRIA The Village for Life Science Innovation



STYRIA'S UNIQUE ECOSYSTEM-
COLLABORATION AT ITS CORE

THE STYRIAN VIBE Innovation at every corner



Connected spaces,
knowledge, people



Strong backbones: support
programs, incubation &
mentorship, funding



Collaboration environment
that turns ideas into realities



UNIQUE COLLABORATION ENVIRONMENT

The medical science city

"Where startups, researchers, and clinics become best friends."





Styrian Life Sciences

- Network-based economy
- Top innovation leader in Europe

Styrian Life Sciences

- Strong regional network
- Driving innovation, cooperation & growth
- 150 partners in medtech, pharma, IT and research
- 20% start-ups
- 9 shareholders of representative industrial companies



 NEUROTH

 ZETA


Medical
University of Graz

CANCOM

 PAYER

VTU
engineering

 Roche

JOANNEUM
RESEARCH 

 SFG

NETWORK & INFRASTRUCTURE

SIDE BY SIDE FOR GREAT SYNERGIES

- 150 amazing partners for research, engineering & production
- Largest clinical complex in Europe
- Surrounded by academia, industry and research
- Medical Science City
- Centers for Know-How and Technology Transfer in Medicine

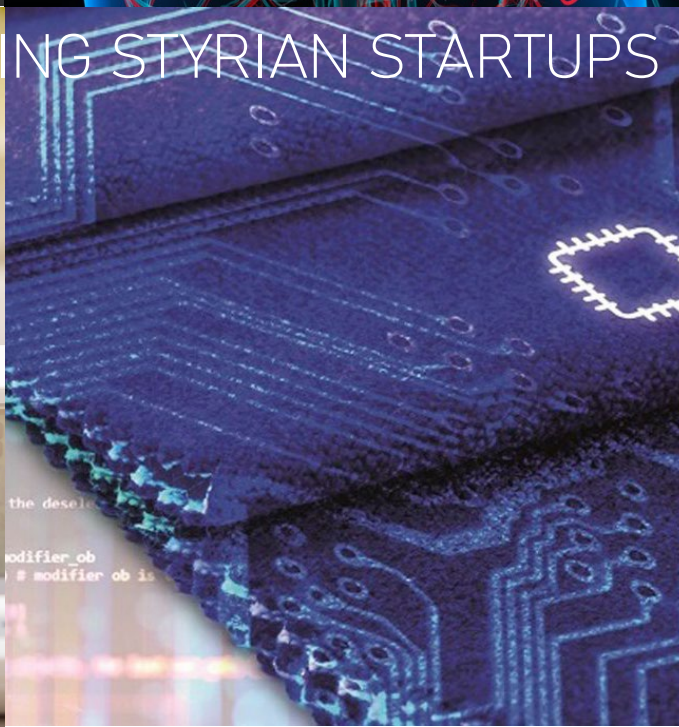


SERVICES FOR HEALTH CARE PROVIDER

KNOW-HOW PARTNERSHIPS

- Prevention and Treatment of Chronical & Cardio-Vascular Diseases
- New approaches in Cancer Treatment
- Advanced Wounddiagnostics & -therapies
- AI & Digital Solutions in Health & Health Environments
- Smart Technologies for Mobilization and Active & Healthy Ageing





AMAZING STYRIAN STARTUPS

Prevention and Treatment of Chronical & Cardio-Vascular Diseases

DECIDE CLINICAL SOFTWARE Glucotab automatically calculates insulin doses, suggests dose adjustments and assists in the correct execution of workflows

SIATLAB first non-invasive blood sugar monitoring

VIE MEDICAL first reliable cuffless blood pressure measurement from life-style to medical application

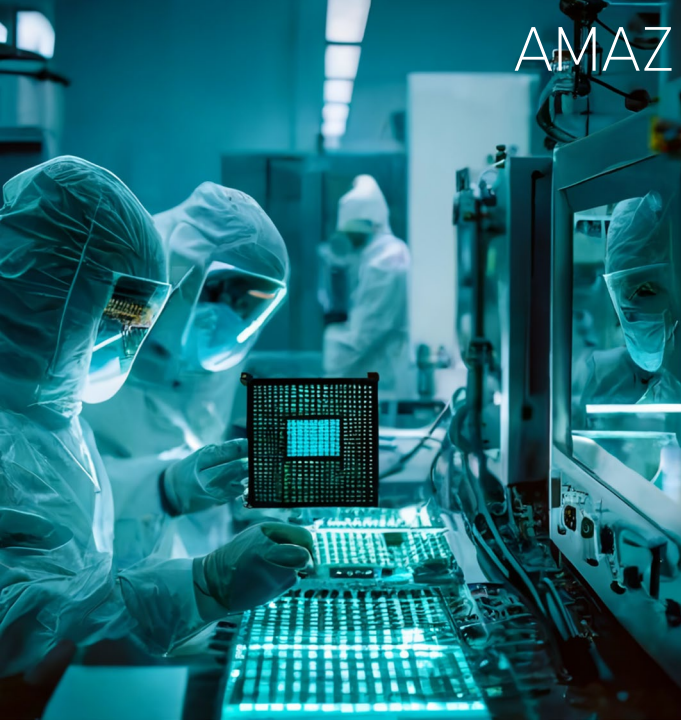
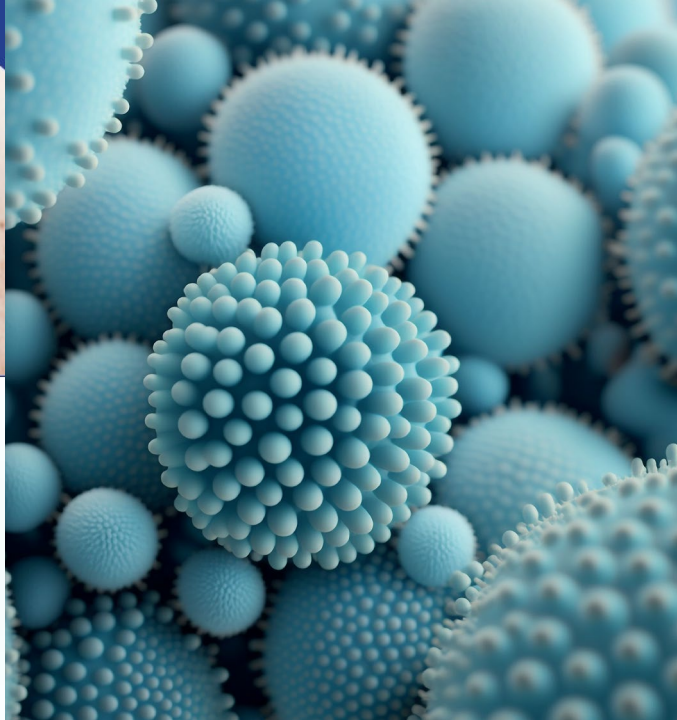
STEADY SENSE skin patch with temperature sensor & NFC technology for continuous online temperature measurement for early indication of infections, cardiac emergencies or diseases

CN SYSTEMS world leader in non-invasive continuous hemodynamic monitoring

ARTERIOSCOPE AI-powered software for the early detection of cardio-vascular complications and diabetes combining measurement data from ECG, PPG & IPG

LUMETRY DIAGNOSTICS respiratory monitoring systems helping patients track their lung vitality at home in a simple, easy and fast way

ELYTE DIAGNOSTICS offers patients the opportunity to easily and independently monitor laboratory values for determining health status from home



AMAZING STYRIAN STARTUPS

New approaches in Cancer Treatment

SKINSCREENER user-friendly app for easy and quick assessment of skin cancer risk for moles and skin spots

CYCURIA a pioneering biotech startup aiming to revolutionize cancer treatment through advanced immunotherapy decoding the language of cancer cells

NUTEK Insights beyond visible detecting cancerous tissue via hyperspectral analysis during surgery on the patient's body

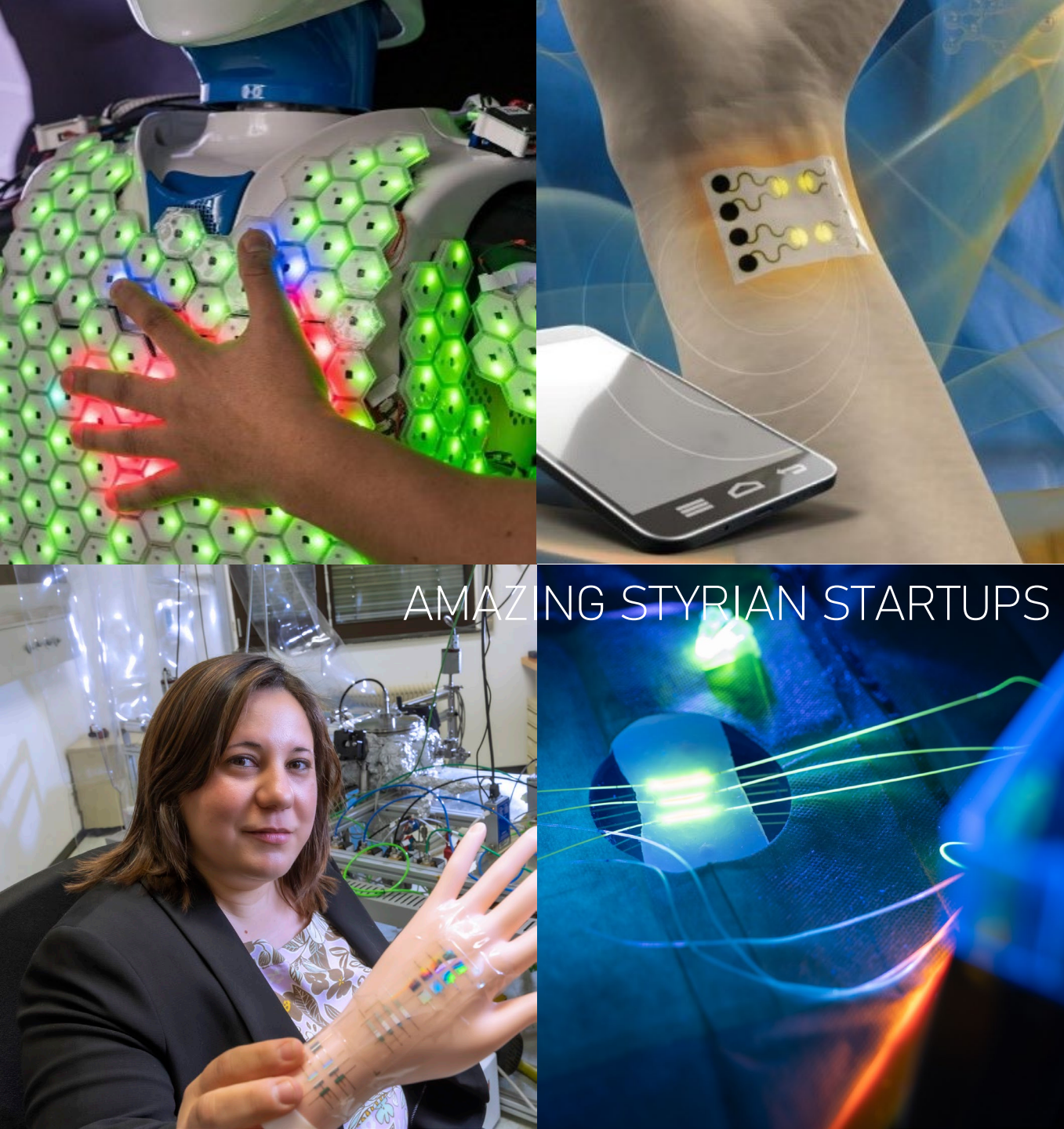
ALIGNOSTIKUM uses AI-algorithms to support radiologists in evaluating magnetic resonance images in the diagnosis of breast and prostate cancer

PROBIONT efficacy assessment of immuno therapeutics by a microfluidic point-of-care system enabling personalized therapies and highest efficacy in cancer treatment right from the start

including clinical evidence at site supported by

MEDICAL UNIVERSITY OF GRAZ including the departments of Oncology, Dermatology, Gynecology, Medical Chemistry , Surgery and Radiology

DIAGNOSTIKUM the leading diagnostic center in Austria home-based in Graz



AMAZING STYRIAN STARTUPS

Advanced Wounddiagnostics & -therapies

EVOMEDIS cell-based wound therapy for the treatment of deep burns and chronic wounds shifting the current paradigm of wound management towards wound healing

QUALIZYME DIAGNOSTICS R&D startup company offering a technology for early, fast, safe and cost-effective detection of wound infections

ENNOCURE Bioelectronic wound dressing offering remote & and continuous monitoring & and AI-driven personalized therapy

NORGANOID focuses on a 3D version of organ-on-chips and on automation in the production of tissues

SMART SKIN Close to human skin sensing pressure, moisture and temperature simultaneously and producing electronic signals for more sensitive robots or more intelligent prostheses

including close cooperations at site with

JOANNEUM RESEARCH CORMED as a center for regenerative medicine and precision medicine with focus on healing the human body through regenerative technologies

TISSUE MONITORING GROUP monitoring and analysing processes directly in the tissue to answer questions arising during drug development as part of Joanneum Research Health



AMAZING STYRIAN STARTUPS

AI- & Digital Solutions in Medicine & Health Environments

ROBOTDREAMS fast, simple and AI-based solution revolutionizing the diagnosis of Acute Coronary Syndrome (ACS)

PREDICTING HEALTH automated risk assessment of patients in clinical routine and in hospital environments by using patient history

VERTIFY first AI-based decision support via smartphone camera for interpreting symptoms of dizziness ensuring the referral to the appropriate specialist and treatment

ILVI digital solutions for efficient and secure health documentation in hospital and nursing home environments

NUMERICOR provides cutting-edge cardiac modeling and simulation models and full-scale, high-fidelity image-based digital anatomical twins for R&D in cardiology & industry

QUICKTICKET smart waiting list management system using machine learning algorithms and creating transparency to ensure optimal time management for walk-in patients, appointment patients and emergencies

PROBANDO created a holistic ecosystem for clinical studies offering a highly effective recruiting process that saves clients both time and money



Smart Technologies for Mobilization and Active & Healthy Ageing

LOKAHI TECHNOLOGIES gender-sensitive AI- & real-time feedback system to support movement-based rehabilitation at home with medical supervision in founding)

SANSIRRO smart textiles for monitoring vital parameters

MIC AUDIOSOLUTIONS developed a completely new type of hearing aid for directed (augmented) hearing

TELBIO MED telemedical workflow support, mobile apps, fully integrated measuring devices and medical software modules for automated trend monitoring and advanced analyses

THE LONGIVITY LABS focuses on healthy ageing and developed the world's first natural spermidine supplement supporting cellular renewal

HERZEN SAPP app for the matching process between those in need of care and carers, documentation to accounting

MedTech Services

KNOW-HOW PARTNERSHIP

- Production & Assembling
- Microelectronics
- Microfluidics
- In vitro diagnostics





Production & Assembling

WILD GRUPPE: development and production of devices and systems for in-vitro diagnostics, covering all aspects in-house, from requirement engineering to optics, electronics, mechanics, plastic technology, and application software.

PAYER INTERNATIONAL strongest competences and technological know-how from the idea to series production in the area of consumer goods as well as medical technology

STADLER SENSORIK full support, starting with the design, through the production of prototypes and sample parts and all the way to series production

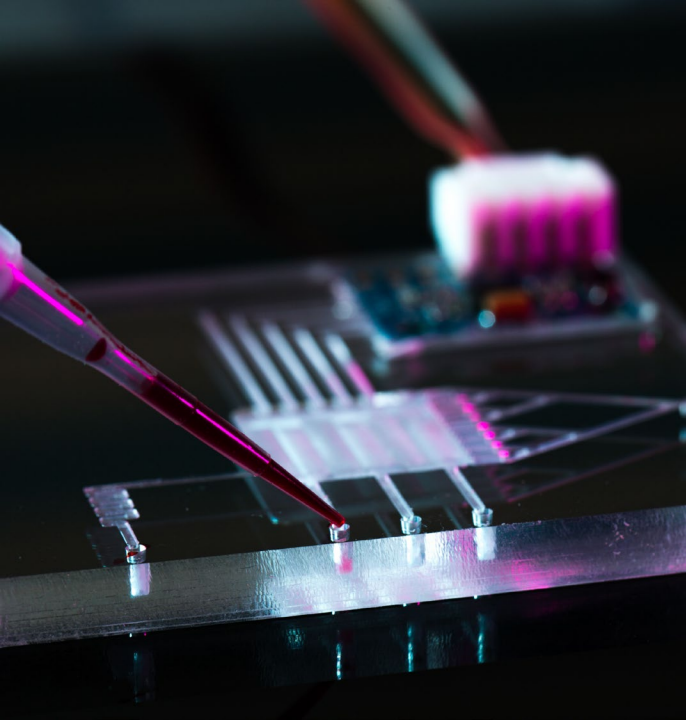
OTTRONIC experts in the development and production of customer-specific mechatronic systems in harsh environments



Microelectronics

AT & S **E**uropean market leader and one of the world's leading manufacturers of high-end printed circuit boards and IC substrates. AT&S industrializes cutting-edge technologies for the core business areas Mobile Devices & Substrates, Automotive, Industrial, Medical and Advanced Packaging

A M S - O S R A M cutting-edge CT and X-ray sensor arrays, vital signs sensors, temperature sensors and more are enabling advanced non-invasive diagnostics and therapies to improve health and wellness.



AMAZING STYRIAN STARTUPS



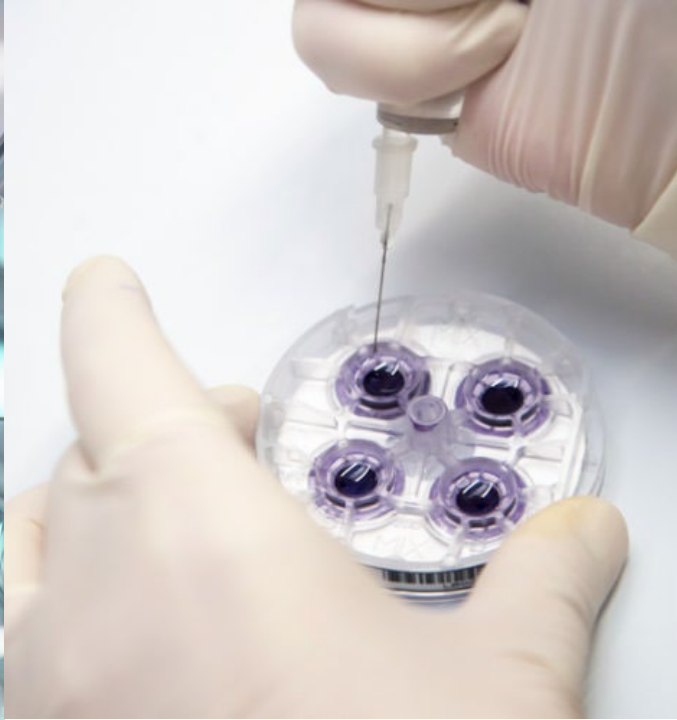
Microfluidics

JOANNEUM RESEARCH HEALTH The open flow microperfusion (OFM) allows an analytical view into the skin, fatty tissue and brain.

NORGANOID Offers a more reliable, human-centric tool for disease modeling and testing potential therapeutics at every stage of drug development.

MICROFLUIDIC INNOVATION HUB Central access to a broad range of microfluidic cutting-edge technologies from Europe's leading research centers and companies.

BRAVE ANALYTICS a revolutionary method for the continuous online characterization of particles in the nanometer range based on microfluidics and photonic



In-Vitro Diagnostics

MEON diagnostic systems for professional use in hospitals and medical practices. Market leader in tonometers

JOANNEUM RESEARCH MATERIALS roll-to-roll nanoimprint lithography facilitates continuous and cost-effective production of micro and nanopatterns on large-area flexible substrates targeting electronic, optoelectronic, photovoltaic and sensoric applications, film processing and packaging as well as pharmaceuticals and biosciences

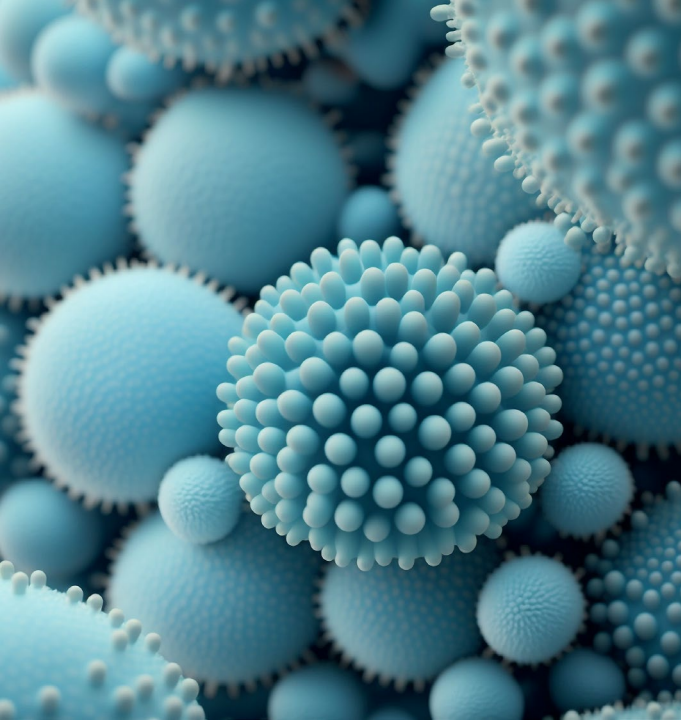
EXIAS development, production and sale of in-vitro diagnostics (IVD) analyzers, which are used in the areas of point-of-care and laboratories.

PHARMA / BIOTECH SERVICES

KNOW-HOW PARTNERSHIP

- Top-Notch Research
- Bioprocess & plant engineering
- Simulation
- Enzyme & drug discovery and engineering
- Pre-clinical testing & logistics





Top-Notch Research

R C P E pharmaceutical process engineering | Advanced Formulations | Next-Generation Manufacturing | Continuous Flow Synthesis and Processing

A C I B: Biocatalysis & chemical analytics | Enzyme technologies & protein engineering | Microbial biotechnology | Bioinformatics & simulations | Bioprocess technologies | Bioeconomy & environmental biotechnology

J O A N N E U M R E S E A R C H Pharmacological Research in the Skin & Brain | Metabolic Research | Digital Healthcare

C B M E D Biomarker research for therapeutics | Applied precision medicine



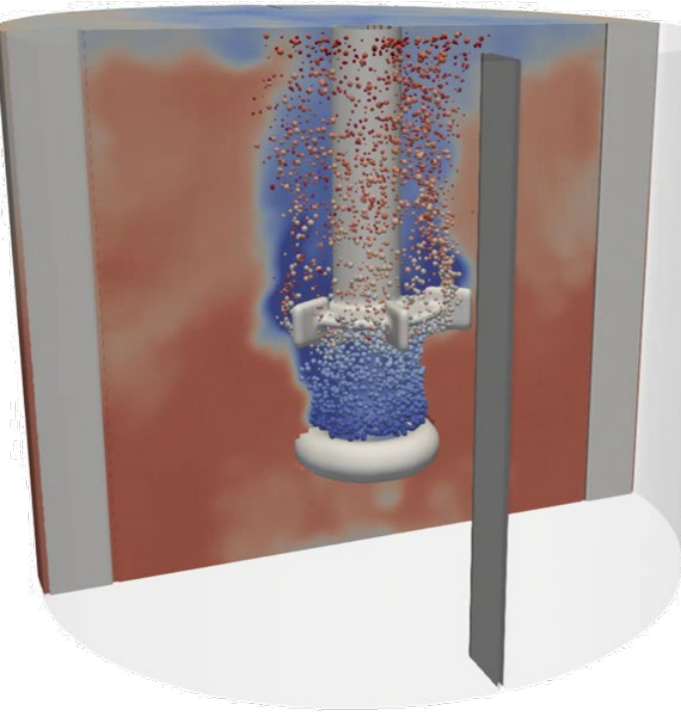
Bioprocess & Plant Engineering

ZETA Design, construction, automation, digitization, and qualification of custom biopharmaceutical facilities for aseptic process solutions

VTU : Process engineering facilities for the industry and provides highest expertise in all project phases, from process development, project management, basic and detail engineering, to successful commissioning

SMB PURE SYSTEMS Detail engineering, manufacturing, and installation of process pipelines, along with routine maintenance and spare parts delivery

LORENZ CONSULT innovative engineering firm that plans laboratories, pharmaceutical buildings, and hospitals from the initial idea to turnkey handover, overseeing construction throughout the process.



Simulation

SIMVANTAGE high-performance, cloud-based bioreactor simulation tool tailored for gassed and stirred bioreactors.

ZETA design, construction, automation, digitization, and qualification of custom biopharmaceutical facilities for aseptic process solutions

VTU process engineering facilities for the industry and provides highest expertise in all project phases, from process development, project management, basic and detail engineering, to successful commissioning

SES-TEC multi-physics simulations and the creation of simulation methods.



AMAZING STYRIAN STARTUPS



Enzyme & drug Discovery and Engineering

INNOPHORE has developed a platform that enables companies to make breakthrough discoveries with an exclusive database of 3D enzyme cavities.

VELA LABS is a global GLP/GMP certified and GCLP compliant contract laboratory providing analytical characterization services for pharmaceuticals including proteins, biosimilars, hormones, monoclonal antibodies and peptides.

VALIDOGEN develops high-performing expression strains and commercially viable protein production processes for the manufacture of biopharmaceuticals, enzymes and various other recombinant proteins.

BISY is a leading global provider of technologies and tools for microbial protein expression and engineering.

CYCURIA pioneering biotech startup that aims to revolutionize cancer treatment through advanced immunotherapy



AMAZING STYRIAN STARTUPS

Pre-Clinical Testing & Logistics

NORGANOID offers a more reliable, human-centric tool for disease modeling and testing potential therapeutics at every stage of drug development.

GNN offers all parts of global logistics for clinical trials from a single source - personal, precise, reliable and GxP-compliant.

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