smart analytics

A network for intelligent analytical methods

BioRegio STERN

International ZIM cooperation network

A network for developing highly innovative analytical methods and applications

The past thirty years have seen the development of a range of analytical detection methods that have become indispensable, particularly in medical diagnostics and pharmaceutical development but also in environmental analysis and food testing. Besides spectrometric, bioanalytical and chemical methods, these also include imaging processes and collecting sensor data. In many cases, the potential of these analytical methods is only insufficiently used. Thanks in particular to evaluation algorithms that use artificial intelligence, it is possible to interpret measurement data much more comprehensively, quickly and precisely and generate new application potential.

This is where the international ZIM smart analytics cooperation network comes into play.

The smart analytics network is designed to close any gaps that exist in the automation, digitalisation and miniaturisation of bioanalytical and diagnostic methods and develop technological solutions for specific application problems.

Aims of the network

- Harnessing a wide variety of analytical and diagnostic technologies (biological, chemical, physical)

- Synergy effects through new technology combinations (AI, ICT, analytics, sensor technology)

- Creating new application potential through automation, digitalisation, on-site analytics, real-time analysis and intelligent evaluation methods

- Developing new value creation strategies through digital networking and shared use of AI and data platforms

- Forming national and international cooperation projects (SME-SME; SME-R&D)

The smart analytics network actively supports innovative research and development projects by small and medium-sized enterprises from the STERN BioRegion in developing ground-breaking product ideas and future-oriented prospective applications for analytical technologies.

Do you also have an idea for a technologically innovative research and development project from the life sciences sector and are you looking for funding options? Are you creative and smart? Are you interested in networks and international contacts?

Then you've come to the right place, as we offer:

- Creative and expert network partners

- Potential cooperation partners, users or service providers

- Valuable national and international contacts

- Active support in the application process

- Workshops on specific topics

- A constantly growing network

smart analytics partners

The smart analytics network offers a diverse range of technologies and expertise for developing innovative analytical methods and applications in the life sciences sector. You, too, can become a partner in our network!

- **AHF analysentechnik AG, Tübingen**
- **4base lab AG**, Reutlingen
- **Synovo GmbH**, Tübingen
- **JLM Innovation GmbH**, Tübingen
- **KWO Kunststoffteile GmbH**, Offenau
- **CLADE GmbH**, Esslingen am Neckar
- **yuri GmbH**, Meckenbeuren
- **Multi Channel Systems MCS GmbH**, Reutlingen
- **Mediagnost GmbH**, Reutlingen
- **Contexo GmbH**, Winterbach
- **DTS Prototyping**, Bisingen
- **FREESIXTYFIVE GmbH**, Wiesbaden
- **defortec GmbH**, Dettenhausen
- **macs Software GmbH**, Zimmern ob Rottweil
- **Goldfuß engineering GmbH**, Balingen
- **NMI** Natural and Medical Sciences Institute at the University of Tübingen, Reutlingen

- **University Hospital**, Tübingen
- **Hahn-Schickard** Institute of Applied Research, Villingen-Schwenningen
- **University Hospital**, Würzburg
- **Furtwangen University**
- **Institute of Energy and Environmental Technology e.V. (IUTA)**, Duisburg
- **Fraunhofer Institute for Silicate Research ISC**, Würzburg
- **University of Applied Sciences Würzburg-Schweinfurt (FHWS)**
- **Reutlingen University**
- **IONICON Analytik GmbH**, Austria
- **Qualizyme Diagnostics GmbH & Co KG**, Austria
- **ADBINNO SARL**, France
- **Cordouan Technologies SAS**, France
- **Poly-Dtech**, France

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About us

BioRegio STERN Management GmbH promotes economic development in the life sciences industry, helping to strengthen the region as a businesslocation by supporting innovations and start-up companies in the public interest. It is the main point of contact for company founders andentrepreneurs in the Stuttgart and Neckar-Alb regions, including the cities of Tübingen and Reutlingen. The STERN BioRegion is one of the largest and most successful bioregions in Germany. Its unique selling points include a mix of biotech and medtech companies that is outstanding in Germany and regional clusters in the fields of automation technology and mechanical engineering.

Contact

Dr. Verena Grimm
BioRegio STERN Management GmbH
Friedrichstrasse 10
70174 Stuttgart, Germany
T   +49(0)711 870354-27
E   grimm@bioregio-stern.de
W   www.bioregio-stern.de

● **German coordinator:**
BioRegio STERN Management GmbH

● **International coordinator:**
ISOCS (International Society for Olfaction and Chemical Sensing)

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