



Analytics & Bioanalytics from Jena
Location for the advanced.

ANALYTICS & BIOANALYTICS FROM JENA

Contact JenaWirtschaft – Business Development

Would you like to contact Jena’s companies or gather information on the location?
We provide competent, discreet and free advice.

JenaWirtschaft
Wirtschaftsförderungsgesellschaft Jena mbH
Leutragraben 2-4 · 07743 Jena · Germany

Phone: +49 (0) 3641/87 300 30
Fax: +49 (0) 3641/87 300 59
Email: jenabusiness@jena.de
Web: www.jena-business.com

WWW.ART-KONTOUR.DE

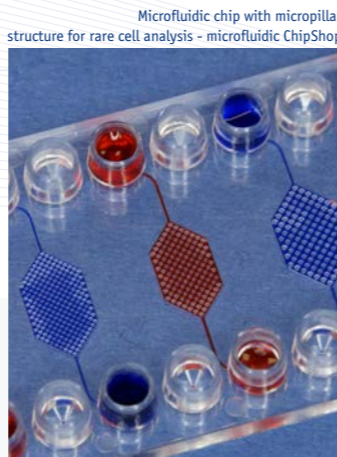
Solutions from Jena for the growing Analytics Market



Production of laser scanning microscopes – Carl Zeiss



Point of Care diagnostic platforms e.g. HIV disease staging and therapy monitoring – Alere technologies



Microfluidic chip with micropillar structure for rare cell analysis - microfluidic ChipShop



Adjustment of a spectrometer – Analytik Jena



Laboratories routine: Analysis of various samples – Analytik Jena



Innovative microscope manufacturing – Carl Zeiss

People investing in the analytics industry prove to be shrewd heads, since analytical measuring technology as well as biological and laboratory equipment measuring technology belong to the large growing markets of the future. Experts predict a global market volume of tens of billions. Jena's companies alone generate more than 400 million Euros of these sales. The location offers best conditions for the industry.

Why Jena is ahead of other locations ...

The Jena traditions of contemporary analysis methods und bioanalytics trace far back. As early as 1872 scientist Ernst Abbe developed the theory of microscopical imaging, with his findings being applied to microscope assembling. In order to reach the calculated parameters of microscope lenses, Abbe developed suitable measuring methods for determining the glass properties. Thereby, he laid the foundations of analytical measuring technology.

Nowadays, Jena is home to companies and research institutions with various competencies in analytics and bioanalytics. The local enterprises are internationally renowned within the industry, for example Carl Zeiss Microscopy, Analytik Jena and Alere Technologies.

Expert knowledge coupled with management experience turn Jena into an attractive place for start-up ideas. For example, the technology and business incubator BioCentiv was opened here in 2000, supporting business founders in the bio-instruments industry.

Competent contacts for application-oriented technologies in Jena are also the research institutions on the Beutenberg Campus. These include – in addition to BioCentiv – the Institute of Virology and Antiviral Therapy and the Centre of Molecular Biomedicine of the Friedrich Schiller University Jena, the Leibniz Institute for Age Research – Fritz Lipmann Institute, the Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute, the Max Planck

Institute for Biogeochemistry and the Max Planck Institute for Chemical Ecology, the Fraunhofer Institute for Applied Optics and Precision Engineering, the Institute of Photonic Technology (since 2014 Leibniz Institute) and the Technology and Innovation Park Jena.

Well-established networks between individual institutions facilitate direct communication and straight-forward cooperation in particular for interdisciplinary projects. The Friedrich Schiller University with its institutes, the University Medical Centre and the Jena University of Applied Sciences belong to these networks as well. The future employees of Jena's analytics companies learn their skills here, for instance in the Department of Medical Engineering and Biotechnology of the University of Applied Sciences Jena and the Institutes of Microbiology and as well Biochemistry and Biophysics of the Friedrich Schiller University Jena. The latter also hosts the Department of Bioinformatics.

Business activities at the location ...

With their development, Jena's analytics and bioanalytics companies have been able to write many success stories. These result from implementing innovative ideas into market-ready products of the highest quality. Business activities include:

- Individual and system solutions concerning analytics and the life sciences industry (for example atomic and molecular spectroscopy, PCR, mobile germ detection, cell selection)

- Laser scanning microscopes and light microscopes for a wide range of applications in biology, medicine and life sciences, for instance as a basis for molecular, cellular and microbiological research and for material analysis
- Innovative testing systems for medical diagnostics as well as portable analysers (Point of Care-systems, POC) e.g. to monitor the immune status of HIV-positive patients
- Microfluidic components, systems and platforms (lab-on-a-chip systems)
- Biophotonics solutions for applications ranging from clinical diagnostics (for example sepsis and cancer diagnosis) to food and environmental safety as well as to fundamental research in the life sciences
- Coatings based on hydrogel for mobile analytical systems and implantology

Success stories from Jena ...

Alere Technologies GmbH www.alere-technologies.com
 aura optik gmbh www.aura-optik.de
 ALS Automated Lab Solutions GmbH www.als-jena.de
 Analytik Jena AG www.analytik-jena.de
 aura optik gmbh www.aura-optik.de
 BioControl Jena GmbH www.biocontrol-jena.com
 BLEI-Institut Jena www.blei-institut.de
 Carl Zeiss Microscopy GmbH www.zeiss.de/micro
 confovis GmbH www.confovis.com
 Dyomics GmbH www.dyomics.com
 Eurofins Umwelt Ost GmbH www.eurofins-umwelt-ost.de
 Food GmbH Jena www.food-jena.de
 JenaGen GmbH www.jenagen.de
 Jenlab GmbH www.jenlab.de
 microfluidic ChipShop GmbH www.microfluidic-chipshop.com
 MoldiAx GmbH www.moldiAx.de
 oncgistics GmbH www.oncgistics.com

Oncoscreen® - Gesellschaft zur Nutzung molekularbiologischer Technologien mbH www.oncoscreen.com
 QUANTIFOIL Instruments GmbH www.qinstruments.com
 SCHOTT Technical Glass Solutions GmbH www.schott.com
 scienova GmbH www.scienova.com

Networks, Research and Education ...

Beutenberg-Campus Jena e.V. www.beutenberg.de
 BioCentiv GmbH www.biocentiv.com
 Growth Core BASIS („Wachstumskern“) www.wk-basis.de
 InfectoGnostics www.infectognostics.de
 INNOVENT
 Technology Development e.V. www.innovent-jena.de
 Institute of Photonic Technology e.V.
 (since 2014 Leibniz Institute)..... www.ipht-jena.de
 Jena BioChip-Initiative www.jbci.uni-jena.de
 medways e.V. www.medways.eu
 PHOTONICS 4 LIFE www.photonics4life.eu

Friedrich Schiller University Jena:

Faculty of Biology
 and Pharmacy www.uni-jena.de/BiolPharmFakultaet

Faculty of Chemistry and Earth Sciences
 www.uni-jena.de/en/Chemistry_and_Earth_Sciences

Jena University of Applied Sciences

„Ernst-Abbe-Fachhochschule Jena“:
 Department of Medical Engineering
 and Biotechnology www.mt.fh-jena.de

**In Jena, you will find competent contacts
for application-oriented technologies.**