

SAXONY!

 Saxony
Trade & Invest



LIFE SCIENCES IN SAXONY

FOCUSING ON HEALTH

LIFE SCIENCES IN SAXONY ...

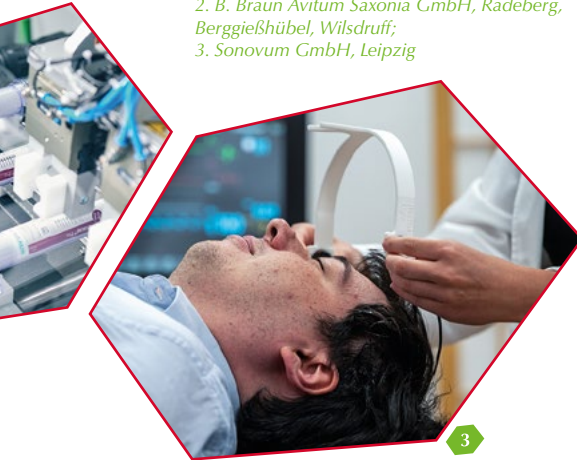
- The pharmaceutical industry as an incubator: Founding of the Sächsisches Serumwerk Dresden vaccine production plant (today's **GSK Biologicals Dresden**) in 1911
- Long tradition in the medical technology / medical products industry – with approx. 70 % of the total sales generated in the life sciences sector
- Technology sector consists primarily of medium-sized enterprises that include many startups and spinoffs
- Vibrant and dynamic life sciences incubators located around the university clinics in Leipzig (**BioCity Campus**) and Dresden (campus at the **BioInnovationsZentrum**)
- Strong network partner: **biosaxony e. V.**



... SPECIALIZING IN:

1. GlaxoSmithKline Biologicals, Dresden;
2. B. Braun Avitum Saxonia GmbH, Radeberg, Berggießhübel, Wilsdruff;
3. Sonovum GmbH, Leipzig

- Pharmaceutical production
- Medical technology / products
- Biotechnology
- Cell / gene therapies
- Regenerative medicine
- Oncology / radiopharmacy
- Smart medical applications
- eHealth solutions



3

Title page: anvajo GmbH, Dresden

APPLYING HIGH PRECISION AGAINST INCURABLE DISEASES



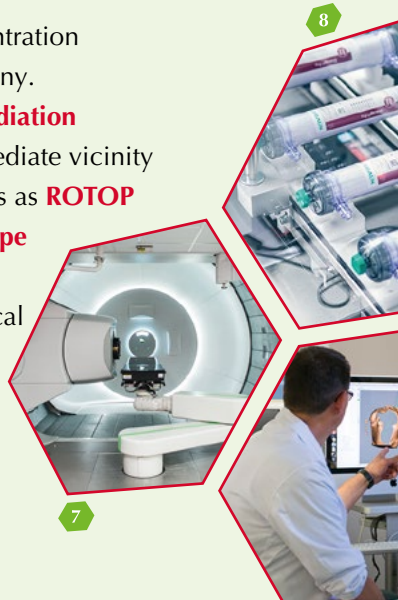
Saxony's competences in cell / gene therapies and regenerative medicine range from fundamental research at the **MPI-CBG** Dresden on how cells form tissues to applied immuno-oncological research at the **Fraunhofer IZI** Leipzig all the way to such innovative enterprises as **Seamless Therapeutics** and **Eupheria Biotech** Dresden. The **SaxoCell** cluster pools the expertise for the development of novel precision therapeutics in Saxony.

4. ICCAS Innovation Center Computer Assisted Surgery, Leipzig; 5. Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG), Dresden; 6. Else Kröner Fresenius Center for Digital Health (EKfZ), Dresden

FIGHTING TUMORS

The **nukliD®** cluster around Dresden represents a concentration in oncology and radiopharmacy that is unique in Germany. The **National Centers for Tumor Diseases (NCT)** and **Radiation Research in Oncology (OncoRay)** are active in the immediate vicinity of the **University Cancer Center (UCC)**. Such companies as **ROTOP Pharmaka** (production of radiopharmaceuticals) or **Isotope Technologies** (plant engineering) are located around the **Helmholtz Center HZDR**, a leader in radiopharmaceutical cancer research. And the global market leader for PET tracers, **ABX advanced biochemical compounds**, is found in nearby Radeberg.

7. OncoRay – National Center for Radiation Research in Oncology, Dresden;
8. B. Braun Avitum Saxonia GmbH, Radeberg, Berggießhübel, Wilsdruff



HEALTH? SMART!

Due to its extensive knowledge in the fields of biotechnology, ICT, sensor technology, and AI, Saxony has gained specific competences in smart medical / digital

health applications – whether it comes

to big data (e. g. **SMITH** Consortium

Leipzig), (POC) diagnostics (e. g.

anvajo Dresden, **Sonovum** Leipzig,

DIANA alliance), computer assisted

surgery (e. g. **ICCAS** Leipzig), or robotics in

health care (e. g. **TEDIRO** Leipzig, **Robotics**

for Humans network). A central hub in the

development of digital technologies

for health care is the **EKFZ** Dresden.



9

9. *TEDIRO Healthcare Robotics GmbH, Leipzig;*
10. *Fraunhofer Institute for Cell Therapy and Immunology IZI, Leipzig*

10



BETTER TOGETHER

Cross-sectoral expertise is an important success factor of Saxony's life sciences sector. More than 450 stakeholders with 40,500 employees active in the mechanical engineering, textile, and electronics industries as well as in materials research generate part of their turnover as suppliers and (R&D) service providers in the life sciences sector. For example, the machine manufacturer **XENON Automatisierungstechnik** Dresden, the nonwovens producer **Norafin** Mildenau, or the software specialist **qualitype** Dresden.

12



11



11. 6G Health Institute GmbH, Markkleeberg;
12. Institute of Textile Machinery and High Performance Material Technology (ITM), Dresden University

SAXONY! – A DYNAMIC LIFE SCIENCES LOCATION



300

stakeholders in
the life sciences
branch,

of whom

230

are active in
medical technology

**15,500/
10,500**

employees working
in the life sciences /
medical technology
branch



YOU WOULD LIKE TO

- obtain more information on the life sciences location Saxony?
- search a company data base for suppliers, customers, or partners for cooperation and research in Saxony?
- find competent partners in assisting you in your particular project?

... then please visit us here:



www.business-saxony.com/lifesciences