

Resource Summary Report

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Biotechnology Center of the TU Dresden

RRID:SCR_005715

Type: Tool

Proper Citation

Biotechnology Center of the TU Dresden (RRID:SCR_005715)

Resource Information

URL: <http://www.biotec.tu-dresden.de/>

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Description: The Biotechnology Center (BIOTEC) of the Technische Universität Dresden is a unique interdisciplinary center focusing on research and teaching in molecular bio-engineering. The BIOTEC hosts top international research groups working on genomics, proteomics, biophysics, cellular machines, molecular genetics, tissue engineering, and bioinformatics. The Biotechnology Center (BIOTEC) was founded in 2000 as a central scientific unit of the Technische Universität Dresden. The center is an essential part of implementing the Biotechnology-Offensive of the Free State of Saxony within the TU Dresden. The main goal in establishing and developing this center was to link the revolutionary change within molecular and cell biology to Dresden's traditionally strong background in engineering. Dresden's aspired innovation advantages as a location for developing state-of-the-art biotechnology are already visible in some parts. The BIOTEC plays a central role in the Molecular Bioengineering and Regenerative Medicine profile of the TU Dresden, fostering developments in the new field of Biotechnology/Biomedicine. Establishing and developing a strong and internationally competitive research center molecular bioengineering required a powerful nucleus. The BIOTEC started with five professorships and one junior research group recruited within the Biotechnology-Offensive of the Free State of Saxony. Through the interdisciplinary work of these researchers from different fields and faculties, the development of the center was catalyzed, and the main goal of building an internationally competitive research structure is now well underway. Today, the BIOTEC houses six professorships and seven junior research groups. Their work has given rise not only to novel discoveries in modern life sciences, but the translation of these findings into economically useful innovations. The BIOTEC is located within the BioInnovation Center in Dresden, which has provided an atmosphere essential for its development. In accordance with its motto Science and Economy under one roof, the BioInnovation Center offers a unique opportunity for knowledge and technology transfer between the research center and start-ups working on biotechnology and related fields of cutting-edge technology. The BIOTEC has about 230 members from over 35 countries, including Eastern and Western Europe, Asia, Australia,

and the Americas. These researchers have diverse backgrounds, covering biology, medicine, physics, chemistry, computer science, and engineering. The BIOTEC offers excellent lab facilities and infrastructure, as well as close links to companies residing in the same building.

Abbreviations: TUD BIOTEC

Synonyms: TU Dresden BIOTEC, Biotechnology Center TU Dresden, TUD Biotechnology Center, BIOTEC - Biotechnology Center TU Dresden, TU Dresden Biotechnology Center

Resource Type: portal, topical portal, data or information resource

Keywords: molecular bioengineering, biotechnology, biomedicine, genomics, proteomics, biophysics, cellular machine, molecular genetics, tissue engineering, bioinformatics

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Resource ID: SCR_005715

Alternate IDs: nlx_149172

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Ratings and Alerts

No rating or validation information has been found for Biotechnology Center of the TU Dresden.

No alerts have been found for Biotechnology Center of the TU Dresden.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.