

About

The **PharmaScienceHub (PSH)** is a cooperation platform of the Saarland University (UDS) and the Helmholtz Institute for Pharmaceutical Research Saarland (HIPS), which has emerged from a close collaboration of the partners over the last 15 years. Its aim is to swiftly and effectively identify and develop pharmaceuticals — supported by AI — to combat societally relevant diseases, including infections, cancer, and age-associated conditions.

In the PSH, more than 75 research groups and over 500 researchers from various disciplines work closely together. They benefit from cooperation with 20 regional and interregional companies as well as a close partnership with actors from the pharmaceutical and biotech industry at a national and international level. The PSH also actively promotes start-ups: to date, more than 10 successful spin-offs have emerged from the long-term partnership.

Mission

Translational Drug Research:

The PSH strengthens pharmaceutical research through close collaboration with medicine, informatics and life sciences, thus enabling the efficient transition of innovative developments from basic research to clinical application.

Industrial Collaborations & Start-Ups:

Our collaborations with industry and the Saarland University Medical Center are vital to us. We use our extensive network of experts to facilitate cooperation projects and encourage the creation of start-ups.

Infrastructure:

We promote the joint use of extensive laboratory space and state-of-the-art research equipment. Our laboratories will be significantly expanded in the coming years to make the location even more attractive for the development of drugs i.e. against infections, cancer and age-related diseases.

Joint Appointments & Junior Talent Development:

We are committed to interdisciplinary training of young scientists in the field of pharmaceutical research and promote the training of technical staff. In order to further strengthen the partnership between the Saarland University and HIPS, the existing path of joint appointments will be consistently pursued.

Partners

Helmholtz Institute for Pharmaceutical Research Saarland (HIPS):

The HIPS was founded in 2009 by the Helmholtz-Zentrum für Infektionsforschung (HZI) and the Saarland University. As the first research institute in Germany dedicated specifically to pharmaceutical research, it focuses on the discovery and development of anti-infectives as well as drug transport to the desired site of action. Core topics are microbial natural products, drug design and optimization, transport across biological barriers, and drug bioinformatics.

Saarland University (UDS):

The research focus "NanoBioMed – Life and Matter" at Saarland University combines natural sciences and medicine, creating ideal conditions for the PharmaScienceHub. The interdisciplinary and innovative research utilizes synergistically applied expertise in medicine, pharmacy, life sciences, and bioinformatics in close collaboration between faculties and external research institutions.

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