

Multidisciplinarity

GSISH believes that due to substantial changes within medicine and the whole health care domain, multidisciplinary collaboration between informatics, medicine, and many other fields has become essential.

Translation

GSISH fosters this multidisciplinary by establishing an exceptional institutionalized framework which

- transfers our broad scientific and industrial knowledge
- translates research results into the practice of health care
- creates an interaction between science and industry.

Tailor-made Doctoral Education

By offering a top-level doctoral education building up on MD/M.Sc. based on tailor-made research, the GSISH vision is to educate a new breed of scientists, who

- start early on with joint research and thinking
- live true multidisciplinary
- understand other ways of thinking
- bridge cultural gaps and build common ground.



You would like to apply for doing a doctorate at GSISH? GSISH accepts outstanding graduates from informatics, bioinformatics, physics, medicine or related disciplines.

To become a GSISH doctoral candidate, you can either apply for our open positions or you can contact our Principal Investigators directly.

Further information about the application process at GSISH can be found online at <http://gsish.tum.edu>. Or you can contact us directly at gsish@tum.de.

We are looking forward to your application!

What GSISH Members & Alumni say about us

“The informal and supportive atmosphere at GSISH makes the entire research study period to be easier and more relaxed.”

Esmeralda Vicedo; GSISH Member

“A rich, scientific environment alongside scientists from many different countries and disciplines enables me to constantly share and discuss my ideas, approaches and results with experts in their field.”

Anja Kleinschmidt; GSISH Stipend Holder

“I had a great and successful time at GSISH, and I would highly recommend future doctoral candidates to join the program - there are only advantages to be experienced.”

Dr. rer. nat. Tobias Lasser; Alumnus of GSISH



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The TUM Graduate School of Information Science in Health (GSISH) offers you an unique opportunity to join an innovative intellectual community with a longstanding research and teaching tradition. As an interdisciplinary school, GSISH provides excellent opportunities for conducting your doctoral project, which will qualify you for the best jobs available, both in academia and industry.

Doing your Doctorate at TUM GSISH

During your doctorate, you will be closely mentored by the GSISH faculty, who will provide you with comprehensive information and assistance. GSISH's national and international faculty members are leading experts from the Technische Universität München and its medical centers, from Munich's Ludwig-Maximilians-University and its medical centers, as well as from national and international research institutions.

In addition to the scientific training, GSISH puts high emphasis on a comprehensive doctoral education. As such, we will also support your international research stays and will provide you with tailor-made practical and transferable skills training.

If you think the GSISH program is compatible with your abilities and interests, do not hesitate to contact us.

We are looking forward to your application!
Your GSISH Management Team

Why GSISH?

Outstanding Research Environment

Small visionary project groups (2-3 doctorates) is one step in GSISH's aim of increasing collaboration between different departments at the school. Researchers from different departments at GSISH collaborate to make use of each others' competencies. By providing this exceptional institutionalized framework, GSISH supports its doctoral candidates and faculty members for becoming multidisciplinary experts.

Top-Level Doctoral Education

By offering a tailor-made doctoral education, the GSISH's vision is to educate a new generation of uniquely trained scientists. The GSISH graduate will be able to understand the scientific culture of other disciplines beside his/her own, and due to the early multidisciplinary training, he/she will be able to bridge those cultural gaps.

GSISH Curriculum

GSISH provides each doctoral candidate with an individual curriculum to address the diverse background of the research projects available.

Participate in Our Network

A multidisciplinary and international setting can only be as good as the people involved. The TUM-GSISH is very proud to lean on highly motivated national and international pioneers, who are pursuing a multidisciplinary approach within their own research strategy and thus are the true drivers of GSISH.

Flourishing co-operations with a variety of academic and industry partners are already in place such as with Harvard University, Johns Hopkins University, University of Tokyo or General Electric (GE).

Funding

GSISH supports doctoral candidates with funds for travel and research training.

Research Training

GSISH doctorates are accommodated within unique project groups. We provide each doctorate with an individual curriculum to address the diverse background of the research projects available. Our curriculum includes courses, seminars, collaborative and independent work in the following modules:

- [Individual Training and Supervision](#)
- [Interdisciplinary and Scientific Skills Training](#)
 - Bioinformatics, Systems Biology, Biostatistics
 - Informatics for Biomedical Engineering
 - Biomedical Informatics
 - Public Health Informatics
- [International Research Stays](#)
- [Transferable Skills Training](#)

At the beginning of each doctoral project, an individual training plan is drawn up by the doctoral candidate and his/her supervisors/mentors.

Our doctoral candidates can choose from a variety of courses offered by TUM, its further education centers and by our national and international partner institutions.

Doctoral Education at TUM

GSISH is part of the Technische Universität München, one of Germany's most renowned universities for science, engineering and medicine. Doctoral candidates are at the heart of the research culture at the Technische Universität München.

The TUM Graduate School particularly promotes interdisciplinary and international qualification programs so that at the end of the doctoral program, candidates will not only have team leadership and project management skills, but also the entrepreneurial spirit for leading roles in industry, academia and science.