

Gothenburg research school of health engineering – GRSHE

The Gothenburg Research School of Health Engineering is a joint graduate school between the Chalmers University of Technology (Chalmers), the Sahlgrenska Academy at the University of Gothenburg (SA/GU), and the Sahlgrenska University Hospital (SUH). The graduate school started in 2020 thanks to generous support from Västra Götalandsregionens Regional Development Board (VGR's RUN) program and from SUH, SA/GU, and Chalmers.

The aim of the school is to meet society's health challenges as well as the needs that healthcare will face in the future by educating PhD students at the frontier of health, healthcare, and technology. The graduate school functions as a collaborative platform between universities, healthcare, and industry where PhD students and supervisors from various disciplines work together in tackling well-defined health or medical problems from several angles to develop solutions in effective and innovative ways.

What we offer PhD students:

- A broad network of multi-disciplinary researchers in the fields of health and engineering at Chalmers, SA/GU, and SUH/VGR.
- PhD courses designed according to the PhD students' areas of interest in health and technology.
- Expert seminars and short specialist courses led by national and international experts within the PhD students' interests.
- Annual networking events.
- Coverage of costs for conference trips, 20 kSEK per student.
- Support for dual-degree registration (*NOTE, this must be fixed before PhD enrollment and approved by the supervisors*).

After graduating from the school, the student will:

- Be able to identify and address health challenges and specific issues in healthcare that require advanced technical solutions.
- Have unique and extensive knowledge of health, technology, medicine, and the healthcare environment as well as how to drive innovation within the healthcare system.

Requirements for admission to GRSHE:

- PhD students involved in a research project within health/medicine and technology and with connections to both Chalmers and SA/SUH.
- To have a co-supervisor from the "other" university. *NOTE: It is possible to apply to the research school even if this requirement has yet to be satisfied: we can help to find that contact in cases where it is missing.*

Commitment for students involved in the research school:

- Take the seminar course, one time, that the research school arranges every year.
- Participate in annual networking events.

Please join us! Here is how you apply.

- Send a brief description of the PhD project, the name and affiliations of the students and the supervisors and info about when the PhD started and are planned to be defended to malin.barman@chalmers.se and justin.schneiderman@neuro.gu.se and include the student and all supervisors in cc.

Where we are and where we are going HT2021

- *Enrollment:* We now have five PhD students enrolled in the program (3 at SA, 2 at Chalmers), with several more active applicants of interest.
- *The GRSHE Seminar Course:* A PhD course we host has 12 registered students from Chalmers and SA. The seminars on which it is based has drawn a broad audience of local researchers and clinicians, but even many from outside of the region.
- *Dual PhD program:* We have played an important role in establishing an attractive dual-PhD program between Chalmers and SA. As all students in the GRSHE are working together across the universities, this provides the opportunity for them to receive PhD degrees from both SA and Chalmers.
- *Outreach:* We have a web-page ([link](#)) that includes what we offer to students and supervisors as well as enrollment procedures. We have presented the GRSHE in several press releases (SA's Akademiliv 15 Feb 2021 ([link](#)) and 19 Feb 2021 ([link](#)), Chalmers Area of Advance Health Engineering 16 Feb 2021 ([link](#)) and Sahlgrenskaliv 17 May 2021 ([Link](#))) as well as at various seminars, conferences, and leadership meetings at all levels within Chalmers, SA, and SUH
- *Collaborative network:* Beyond the extensive list of researchers to which the steering group and co-coordinators are already well-connected, we have compiled a list of > 500 researchers at SA, Chalmers, and VGR/SUH working in the field of health engineering.
- *Match-making/head-hunting:* We work to identify researchers at Chalmers, SA, and SUH that would benefit from more engagement "from the other side" (i.e., SA/SUH collaborations for Chalmers researchers and vice versa) and actively search for competence and potential collaborative partners (i.e., co-supervisors). Also by monitoring open PhD job postings at Chalmers and GU for new health+engineering related openings, we discover new potential projects/supervisory teams.
- *Annual Kickoff:* In the Fall of 2021, the co-coordinators and the steering group will officially welcome the GRSHE PhD students with a lunch followed by what we hope will be a fun afternoon of activities and networking. This will be the first of many annual events.
- *Workshops on grant and paper writing:* In Nov 2021, we will offer PhD students at Chalmers and SA two unique half-day workshops. The first will be on scientific paper writing and the second is a unique opportunity for students to learn about a process that they'll have to engage if they aim to continue to do research after completing their PhD i.e., grant writing! These workshops are generously sponsored by the Chalmers Area of Advance Health Engineering and the GRSHE.

We are excited about how far we've come and look forward to continuing our track in making our region attractive and world-unique in the field of health engineering. We believe that the GRSHE's offerings, combined with our active engagement in helping supervisors in finding the right bridges are excellent for bringing in students and supervisory teams in newly started projects.

Organization

The graduate school is led by a steering group consisting of representatives from Chalmers, SA/GU, SUH, VGR and organized and administered by two coordinators: Malin Barman at Chalmers and Justin Schneiderman at SA/GU. Question and comments can be directed to malin.barman@chalmers.se or justin.schneiderman@neuro.gu.se.