University of California, Berkeley and Davis Health

The Transatlantic Telehealth Research Network (TTRN) proudly announces pre-registration for our graduate level course

**Smart Health, Social Robotics and AI:
Research Design, Value Assessment and Implementation**

June 23-26, 2025

Locations:
University of California Berkeley
University of California Davis Health, Sacramento

TTRN 2025 Postgraduate Course website

The Transatlantic Telehealth Research Network (TTRN) PhD Course 2025, in collaboration with CITRIS Health, provides high-achieving and ambitious PhD and master's students a transformative educational experience at two world-class universities—University of California Davis Health (Sacramento) and University of California Berkeley. Our collaborative PhD course, "Smart Health, Social Robotics and AI: Research Design, Value

Assessment and Implementation" will be offered June 23-26, 2025 across the two campuses. Through a combination of rigorous academics and a rich array of extra-curricular programming, this PhD course successfully shares the UC culture of innovation, academic excellence, and health equity.

CITRIS, at the University of California, is pleased to be hosting the course in 2025. The offerings will include research in technologies such as next generation telehealth, smart health, social robotics, AI applications. This course offers a unique opportunity for those interested in global, developmental, participatory and implementation research in health.

Different research methods for design, assessment and implementation of digital health technologies will be described and discussed, e.g., participatory design methods, clinical studies, health economic evaluation, patient perception, and implementation methods specifically for digital health care.

Course objective
The aim of the weeklong course is to give a comprehensive introduction to developmental, participatory and implementation research methods and applications used in the different phases of the innovation process for digital health technologies such as telehealth, home monitoring, mHealth, video consultation, artificial intelligence, clinical and social robotics, and more.

Course participants will learn about the following areas of digital health:
- Phases in the innovation process: Overview of transformative work in the TTRN ecosystem
- Research methods I: Study design, deployment
- Research methods II: Multidisciplinary approaches for value assessment
- Research methods III: Implementation Science (healthcare environments) and Team Science (industry, community environments)
- Application and discussion of research methods in attendee projects

The course will host interdisciplinary and international faculty and students from the fields of medicine, nursing, informatics, health policy and engineering. It is an opportunity for targeted deep dives and opportunities for:

- Fostering international strategic collaborations and knowledge sharing
- Participating in a bespoke immersive learning experience
- Networking designed specifically for health innovators

Participant experiences have been very positive with almost all students rating the course as highly relevant and stating that they would recommend the course to others.

Course Chairs

- Veronica Ahumada-Newhart, Ph.D., Director of the Technology and Social Connectedness Lab, Assistant Professor, Health Informatics & Human-Robot Interaction, University of California Davis, USA
- Nick Anderson, Ph.D., Cardiff Professor of Informatics, Chief, Division of Health Informatics, Department of Public Health Sciences, Chair, Health Informatics Graduate Group, University of California Davis, USA
- Birthe Dinesen, Professor, Laboratory for Welfare Technologies – Digital Health & Rehabilitation, ExerciseTech, Department of Health Science and Technology, Aalborg University (AAU), DK (head)
- Kristian Kidholm, Professor, CIMT – Center for Innovative Medical Technology, Odense University Hospital, DK and University of Southern Denmark

We would like to have your most talented students attend this course! The course is geared towards pre-doctoral/doctoral/PhD level (or equivalent) students, but it is also valuable for practitioners with interests in international digital health collaborations.

Course offerings cover essential core knowledge concepts on various aspects of digital health from research, technology solutions, team science, health practice, and more.

Tentative Schedule

Day 1: University of California Berkeley
Day 2 Morning: University of California Berkeley
Day 2 afternoon: Travel to Sacramento
Day 3: University of California Davis Health, Sacramento
Day 4 Morning: Half day in University of California Davis Health, Sacramento

Tuition and Course Credit

Registration for the 4-day course is $550. The fee includes the course; all course materials; breakfast on Days 2, 3 & 4; coffee and tea breaks; lunch on Days 2 and 3.

The fee does not include travel, lodging, and meals not noted above.

Participants who complete the course requirements will be eligible to receive a certificate of attendance and completion. The course workload is equivalent to 3 ECTS.

To qualify for European Participants Credit, participants need to attend the scheduled course contact hours, perform satisfactorily in all continuous assessment tasks of the course (attending all classes, completing all readings, writing assignments, collaborating in all group work assignments and presentations). Participants are responsible for securing their own agreements for equivalency of the course certificate with credits for coursework at their home university and academic department. A certificate will be awarded at the end of the program. All certificates of attendance and completion are issued as a micro-credential.

About the TTRN

The TTRN has a long history of connecting U.S. and Danish researchers from multiple disciplines—medicine, engineering, nursing, informatics, health policy, organizational behavior, economics and political science—to collaborate, ideate and build knowledge.

Long before COVID-19 accelerated the adoption of telehealth practices throughout the health care system, members of the TTRN were exploring ways to share their discoveries

across sectors and across borders. From diagnostics to preventive care and treatment for a variety of conditions, telehealth technologies have the potential to help patients access the care they need from the safety and familiarity of home. The technologies require innovation, but so do adoption, training and best practices by clinicians.

The annual TTRN course provides a highly curated, in-person, and rigorous immersive learning journey across medical and academic campuses. The course is offered alternatively in Denmark and the United States featuring lectures and experiential learning opportunities from international experts.

For more information about the TTRN, and to provide contact information for early registration, please see the program web page.

For More Information and Pre-registration
To sign up to receive notifications about the course, registration, if you have questions, please email health-citris-uc@berkeley.edu. Please include your name, email address and affiliation.

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