

## Website

Faculty Bio: <http://edcp.educ.ubc.ca/faculty-staff/jillianne-code/>

Curriculum Vitae: <http://jillianne.ca>

Blog: <http://heartfailuretoharvard.com>

Research Lab: <https://alivelab.ca>

HeartLife Foundation: <http://heartlife.ca>

## Short Bio:

Dr. Jillianne Code is a Canadian researcher, educator, and learning scientist specializing in learner agency, online learning technologies, and the impact of social media on student success and well-being. As the Director of the [ALIVE Research Lab](#) at the [University of British Columbia](#), Dr. Code studies agency ‘unbundled’ from formal education, including video games, virtual reality, and social media communities. Her most recent work is considering learner agency and power as it relates to algorithms and digital futures in education.

However, Dr. Code’s most important role, is that of a [heart failure survivor and two-time heart transplant recipient](#). Following her heart transplants, to honour the efforts of her medical team and the sacrifice of her donors, Dr. Code has worked to advocate for the inclusion of patients as partners in healthcare practice and research. In 2016, Dr. Code co-founded the HeartLife Foundation with Marc Bains, Canada’s first – and only – national patient-led heart failure organization that has grown to include a network of heart failure patients across Canada. In 2022, HeartLife was awarded [Effective Voice of the Year by the World Heart Federation](#) for the [Heart Failure Patient and Family Caregiver Charter](#), which has since been translated into 17 languages by the [Global Heart Hub](#) and endorsed by more than 30 patient organizations worldwide. In 2020, the feature documentary [My Broken Heart](#), about Dr. Code’s life, was recognized with an Honourable Mention at the Santa Monica International Film Festival and is available to screen [here](#).

## Bio:

Jillianne Code, MEd, Ph.D. is an Associate Professor in the Department of Curriculum and Pedagogy in the Faculty of Education at the University of British Columbia. Dr. Code is an educator and learning scientist specializing in student agency and its role in learning technology, media studies, applied design, and translational research. Before joining the University of British Columbia, Dr. Code was an Associate Professor of educational technology and psychology in the Faculty of Education at the University of Victoria and a Post-doctoral Research Fellow at the Harvard Graduate School of Education in Assessment and Learning Technologies. Dr. Code holds a Ph.D. in Educational Psychology from Simon Fraser University, an M.Ed. in Educational Psychology and a B.Ed. in Science Education from the University of Alberta.

Dr. Code’s most important role, however, is that of a [heart failure survivor and two-time heart transplant recipient](#). Following her heart transplants, to honour the efforts of her medical team and the sacrifice of her donors, Dr. Code has worked to advocate for the inclusion of patients as partners in health care practice and research. In July 2016, Dr. Code co-founded the [HeartLife Foundation with Marc Bains](#), Canada’s first – and only – national patient-led heart failure organization that has grown to include a network of heart failure patients from across Canada. In October 2019, along with her co-founders of HeartLife, Dr. Code was awarded the

prestigious [Dr. Harold N. Segall Award of Merit from the Canadian Cardiovascular Society](#) in recognition of their significant contribution to cardiovascular health promotion in Canadians. Most recently, HeartLife was awarded [Effective Voice of the Year by the World Heart Federation](#). In 2020, the feature documentary [My Broken Heart](#), about Dr. Code's life, was recognized with an Honourable Mention at the Santa Monica International Film Festival and is available to screen [here](#).

In addition to her foundation work, Dr. Code is a public beneficiary member on the Medical Services Commission for the province of British Columbia, a member of the Heart & Stroke Heart Failure Working Group and the Women's Heart and Brain Health Research Steering Committee, and the first patient group representative on Health Canada's Scientific Advisory Committee on Medical Devices Used in the Cardiovascular System. Dr. Code is also an active keynote and invited speaker at such events as the Canadian Heart Failure Society annual conference, the Canadian Cardiovascular Society, the Cardiovascular Clinical Trialist Forum, the American College of Cardiology, and the Heart Failure Society of America. Dr. Code will be a featured speaker at the European Society of Organ Transplantation in Milan, Italy in August 2021.

### **Research:**

The trajectory of Dr. Code's interdisciplinary program of Translational Research and Learning Technology is designed to advance knowledge with particular emphasis on:

- Human agency and the power to act and persevere in the presence of internal or external constraints;
- Democratization of knowledge structures and learner agency through technology;
- Perceptions of immersion and reality and its psychosocial impact on learning;
- Critical use of research methodologies with an emphasis on autoethnography and the psychometric applications of learning analytics; and
- Critical examination of technology and learning environments in applied design, STEM and health education.

Dr. Code's program of competitively-funded (SSHRC, CIHR) mixed methods research is designed to contribute foundational scholarship concerning human agency and the accessibility of knowledge structures through technology with respect to an individual's: (i) *capacity* to understand and reflectively evaluate intention, reason, and motivation, (ii) *desires, beliefs, memories, perceptions, and other mental events*, and (iii) *action* with intention. A hallmark of the trajectory of my funded research projects is to contribute evidence concerning the psychosocial impact of learning technologies for / of / in science, technology, engineering, math (STEM) and health education. Dr. Code does this using quantitative approaches such as the psychometric application of learning analytics and qualitative approaches through intersectional autoethnographic accounts of her identity as an educator, learner, patient, and researcher.

The *ALIVE* project (<http://alivelab.ca/>) that Dr. Code directs (2016 – present) is a SSHRC-funded national investigation of agency for learning in STEM and health education through immersive and virtual environments. *ALIVE* is designed to answer the growing need across the subject domains for evidence that will assist practitioners in evaluating the practical design of learning

environments. *ALIVE* is an innovative research project designed to advance our understanding of (i) formative feedback using virtual learning environments and (ii) cognitive models of student interaction with technology. Ultimately, the *ALIVE* project will contribute empirical evidence of how learners conduct complex reasoning, become better at self-regulation and in so doing, develop a sense of personal agency and the capacity to participate actively in society.