



## COEHRE CONFERENCE 2024 TRAINING TRACKS OVERVIEW AND TRAINERS

### SIMULATION AS A TRAINING METHOD

The "Simulation as a Learning Method" workshop aims to provide healthcare educators and professionals with comprehensive insights and practical skills in leveraging simulation to enhance clinical education.

The workshop begins with an overview of simulation in healthcare, tracing its evolution and underscoring its significance in contemporary clinical education. Participants will learn about different types of simulations, including manikin-based, virtual reality, and standardized patient simulations. The session will highlight the benefits of simulation in promoting patient safety, enhancing clinical skills, and providing a risk-free environment for learning. Case studies will illustrate how simulation has been successfully integrated into various clinical curricula to improve learning outcomes.

Designing effective clinical scenarios is crucial for the success of simulation-based learning. This segment will delve into the principles of scenario design, emphasizing the alignment of educational objectives with realistic clinical situations. Attendees will engage in hands-on activities to create and refine their own scenarios, considering factors such as complexity, fidelity, and learner engagement. Best practices in scenario writing, including the incorporation of interprofessional education and diversity, will be discussed to ensure that scenarios are inclusive and reflective of real-world clinical environments.

Effective feedback and debriefing are vital components of the simulation learning cycle. This session will provide participants with strategies to deliver constructive feedback and facilitate reflective debriefing sessions. Participants will practice these techniques through role-playing exercises, gaining confidence in their ability to foster a supportive learning atmosphere that encourages critical thinking and self-assessment.

The final topic introduces the burgeoning role of artificial intelligence (AI) in healthcare simulation. Participants will explore how AI technologies, such as machine learning and natural language processing, are being integrated into simulation tools to enhance their realism and educational value. The session will cover current and emerging AI applications, including virtual patients.

By the end of the workshop, participants will have acquired a robust understanding of how to effectively utilize simulation as a learning method in healthcare education. They will be equipped with practical skills in scenario design, feedback, debriefing, and an appreciation of the innovative potential of AI in transforming clinical training.

### TRAINERS

#### **Abel Nicolau**

*Simulation Center Coordinator, Faculty of Medicine of the University of Porto, Portugal*

Abel Nicolau holds a Bioengineering - Biomedical Engineering Master Degree, having defended his thesis on the "Development and validation of a low-cost tool for CPR self-training". In 2019 he enrolled in the Doctoral Program (PhD candidate) in Clinical and Health Services Research @ Faculty of Medicine of the University of Porto. Since 2015 is collaborating with the Simulation Center in the Faculty of Medicine of the University of Porto as Simulation Technician and Researcher. Since 2018 is an integrated researcher on the Center for Health Technology and Services Research, in Porto. Nowadays, he is Technical Coordinator of the Simulation

Center and member of the Board of the Portuguese Society for Simulation Applied to Health Sciences. His work is based on Biomedical Simulation and Biomedical Engineering.

**Eric Lodewyckx**

*Lecturer in Simulation and researcher, PXL University, Belgium*

Eric Lodewyckx holds a master's degree in nursing and midwifery. Until 2019, he was employed in the emergency department. Currently, he is a passionate and enthusiastic lecturer at Hasselt University PXL. A large part of his work consists of simulation education within the Trauma & Life Support Center living lab, and he is an instructor within the European Resuscitation Council, where there is a strong focus on clinical reasoning skills in healthcare personnel. Since 2022, Eric is also associated with the simulation lab of THINK3-lab at Hasselt University, which focuses on system and process innovation. Eric is also a researcher at the Care Innovation expertise center in Hasselt, where his focus lies on healthcare simulation, with the ambition to increase quality and patient safety within the healthcare sector. Some topics he has conducted research on, are game based learning, debriefing strategies, simulations via a 360° environment and increasing clinical leadership through simulation.

## LIVING LABS

### Training Day 1

Learning objectives: Facilitated by a senior trainer from ThessAHALL, the main objectives for the first day of training are threefold. First, participants will gain a comprehensive understanding of the Living Lab basics and primary challenges faced by Health Living Labs (HLLs) and explore innovative solutions to address these issues. Second, they will be equipped with the knowledge and tools necessary to create robust business plans for HLLs, focusing on long-term sustainability and scalability. Third, participants will be encouraged to think creatively by applying successful business innovation models (e.g., Airbnb, Uber) to the context of Health Living Labs, fostering disruptive innovation within the sector.

- Module 1: Introduction to Living Labs and Health Living Labs, and their Challenges
- Module 2: Health Living Labs Business Plans and Sustainability
- Module 3: Disrupt Innovation – Adapting Business Innovation Plans to Health

### Training Day 2

Learning objectives: The primary objectives for the second day of training are centred on experiential learning and knowledge sharing. Participants will gain firsthand insights from three prominent Health Living Labs (HLLs) within the ENoLL community of certified Living Labs—ThessAHALL, LiCalab, and MCGILL-CRIR Living Lab—as these labs share their experiences and best practices in the fields of health, social care, and rehabilitation. Additionally, the day aims to foster a collaborative environment where participants can engage in meaningful discussions, ask questions, and draw practical lessons from the presented cases.

- Module 4: Learning from Experienced Living Labs

## TRAINERS

The training services will be offered by the following senior trainers from **EnoLL certified Health Living Labs**:

**Dr. Evdokimos Konstantinidis**

*Leader of the Assistive Technologies and Silver Science Research Group in the Medical Physics and Digital Innovation Lab, Aristotle University of Thessaloniki, Greece*

Dr. Evdokimos Konstantinidis is the leader of the Assistive Technologies and Silver Science Research Group in the Medical Physics and Digital Innovation Lab, Aristotle University of Thessaloniki. He received the

Diploma in electronic engineering from the Technological Educational Institute of Thessaloniki, in 2004, the M.Sc. degree in medical informatics in 2008 from the Aristotle University of Thessaloniki, Greece and the Ph.D. degree in the Laboratory of Medical Physics of Medicine, School of Health Sciences, Aristotle University of Thessaloniki, Greece in 2015. He is currently coordinating a Research Infrastructure H2020 project, VITALISE - aiming to harmonize the procedures and ICT tools of the Health and Wellbeing Living Labs towards creating an open ecosystem for the European researchers. He is the Chairperson of the European Network of Living Labs (ENoLL) and coordinator of the Health and Wellbeing Living Labs Action Oriented Task Force. He has been principal investigator for a couple of national and international funded projects. In 2020, as a result of the H2020 funded project named CAPTAIN H2020 (technically coordinated by him), he co-founded CAPTAIN-COACH, one of the first 10 spin-offs of AUTH.

**MSc. Leen Broeckx**

*Senior panel manager of LiCalab, Thomas More University of Applied Sciences, Belgium*

MSc. Leen Broeckx holds a master's degree in Communication Studies from VUBrussels. Additionally, she obtained a Master in Cultural Studies at KULeuven. As a senior panel manager, Leen supervises LiCalab panel activities: recruiting, writing scenarios, supervising group discussions and real-life tests. She is passionate about 'Human Centered Design' and strongly believes in the participatory approach in healthcare innovation. Leen continuously updates her knowledge through training courses on specific techniques for co-creation and testing.

**MSc. Ingrid Adriaensen**

*Business manager of LiCalab, Thomas More University of Applied Sciences, Belgium*

MSc. Ingrid Adriaensen holds master's degrees in communication and business management. Throughout her career, she built a large experience in (international) sales, with a focus on business development, strategy and communication. At Thomas More University College, Ingrid lectured in the business management program. At the research group-living lab LiCalab, Ingrid consults businesses and organisations about innovation projects in healthcare, and facilitates the collaboration with and between companies, care organisations, knowledge institutes/academia, end users and other actors. This role also includes the management of (international) projects.

**Prof. Eva Kehayia**

*Associate Professor and Research Director at the School of Physical and Occupational Therapy, Faculty of Medicine at McGill University, Canada*

Prof. Eva Kehayia is Associate Professor and Research Director at the School of Physical and Occupational Therapy, Faculty of Medicine at McGill University, Research co-director at the Jewish Rehabilitation Hospital in Laval, affiliated with McGill University and researcher at the Centre for Interdisciplinary Research in Rehabilitation of greater Montreal (CRIR). She is co-leading a pan-Canadian Partnership Initiative funded by the Social Sciences and Humanities Research Council entitled: 'Words in the World'. She has also been co-leading the Strategic Innovation Initiative entitled: The RehabMaLL -- A Rehabilitation Living lab: creating enabling environments for social participation and inclusion for individuals with physical, sensory and cognitive disabilities. Since 2021, she is leading the Canadian arm (McGill University-University of Montreal-CRIR Living Labs, EnoLL members) of the Horizon 2020 VITALISE project bringing together Health and Well-Being Living Labs across Europe and in Canada. Her projects cover the domains of health, arts and culture and aim at increasing accessibility, community participation and inclusion of all, especially those living with physical disabilities.

## AI TRANSFORMING EDUCATION

Artificial intelligence (AI) is a powerful tool that can transform education and working life. As higher education institutions and teachers, we have a responsibility to equip our students with the skills and knowledge to use AI effectively and ethically. But how can we do that if we don't understand AI ourselves, or if we feel overwhelmed or intimidated by it? How can we integrate AI into our strategic planning and processes, and avoid the pitfalls of technostress and extra work? How can we leverage AI to enhance our teaching and learning, and to prepare our students for the future? These are some of the questions that we will explore in this interactive and engaging training.

In the AI workshops, we will cover different themes, such as:

- the opportunities and challenges of AI in education and the current state of our institutions
- the use of AI from the teachers' perspective
- the use of AI from the students' perspective
- AI transforming healthcare education, exploring opportunities within our institutions and for future partnerships

In the workshops, Mika Suutari will share his insights and experiences from Turku University of Applied Sciences and other educational institutions. However, this is not a one-way lecture, but a collaborative learning experience. Each workshop will include sessions of group work, where you will exchange ideas and best practices with your peers. You will also have the opportunity to reflect on your own AI readiness and development needs. You don't need to be an AI expert to join this training, but you will definitely learn something new and useful about AI. So, don't miss this chance to join us and discover how AI can make your teaching and learning more effective and enjoyable.

### TRAINER

#### ***Mika Suutari***

*Head of Learning Environment Development, Turku University of Applied Sciences, Finland*

Mika Suutari is a visionary leader and a passionate educator who has dedicated 25 years of his career to enhancing the quality and impact of higher education at Turku University of Applied Sciences. As the Head of Learning Environment Development, he oversees the strategic implementation of the "We learn in a changing world" action plan. He also coordinates the utilization of artificial intelligence at Turku UAS. Earlier in his career, Mika worked as a teacher, and as a supervisor in degree education and at corporate services, and served as president of a local labour union.

Suutari coordinates the utilization of artificial intelligence at Turku UAS. In that role, he develops and promotes the AI guidelines of Turku University of Applied Sciences, which provide ethical and practical principles for using AI in education. He has also been involved in designing and delivering AI training and sharing good practices for the staff of Turku UAS, and as well as the AI guidelines and trainings for the upper secondary schools in the region of South-West Finland. Furthermore, he has contributed to the national AI recommendations of The Rectors' Conference of Finnish Universities of Applied Sciences (Arene). He also coordinates the organisational implementation of the national ministry-funded project Digivision 2030 that develops continuous learning opportunities and digital learning.

## CREATING BIPS 2024

The Blended Intensive Programmes (BIP) are again financed by the Erasmus +. This form of Short-Term Mobility has become more and more popular since it allows students a first taste of an international experience or an opportunity for those who do not have the possibility to do a regular mobility.

At the end of this workshop, participants will be able to develop a BIP, as well as all the steps for its implementation.

This will entail the exploration of the following aspects:

- Alternative types of BIP
- Application procedures and its nuances
- Partner choosing strategies
- Identification of a theme and team working
- Learning outcomes & respective assessment
- Volume of work - online and face to face
- Implementation steps and tricks
- Management (administration and finances)

## **TRAINERS**

### ***Filip Dejonckheere***

*Coordinator of international and interdisciplinary programmes in the field of health care and rehabilitation, Artevelde University of Applied Sciences, Belgium*

Filip Dejonckheere works at Artevelde University of Applied Sciences and the University of Ghent in Belgium. He is trained as an educational psychologist and has been working as a teacher, primarily serving as a coordinator for international and interdisciplinary programs in healthcare and rehabilitation. His areas of focus include pediatric rehabilitation, palliative and end-of-life care, social transformation, diversity and social inclusion, cultural competences, creativity, and occupational therapy. Currently, he is coordinating several BIP initiatives. Additionally, he has been working as a coach in the Living LAB: 3ID LAB and is coordinating a BIP on Facilitating Social Change.

### ***Madalena Gomes da Silva***

*Vice Dean, Setúbal Polytechnic University, Portugal*

Madalena Gomes da Silva works at the School of Health at Setúbal Polytechnic University. She received her training as a Physiotherapist and pursued her studies in Portugal, Scotland, and England. Since 1992, she has been engaged in higher education as a teacher. She has also coordinated various international projects, Intensive Programmes and Blended Intensive Programmes. Currently, she works as vice dean, overseeing Internationalization and several other domains.

Both workshop facilitators have served as members of the COEHRE council and have been involved in the COEHRE Academy, where they facilitate the development of programs for students and staff.