

TFK programme, funded projects 2023

Project title: Interprofessional simulation education in Africa	
<p>Coordinator</p> <p>University of Turku</p> <p>Sanna Salanterä, sansala@utu.fi</p>	<p>Aim of the project: The aim of this project is to innovate simulation pedagogy education applicable in Africa in collaboration with African higher education institutions. With the help of innovative simulation pedagogy education, medical and nursing trainers will be trained in such a way that they can teach more students independently in their own facilities. The University of Turku is taking the leading role in the funding application and will collaborate with Tampere University to coordinate the main activities. However, all partner institutions will participate in the designing and implementation of the course contents and simulation cases.</p> <p>Our goal is to strengthen the existing educational cooperation among four African countries (South Africa, Namibia, Tanzania and Rwanda). This project will pool the expertise of each university to create an environment of high-quality training in simulation pedagogy through virtual collaborative teaching activities, staff mobility and hands-on simulation sessions of medical and nursing educators.</p>
<p>Partners</p> <p>Tampere University</p> <p>University of Namibia</p> <p>Welwitschia Health Training Centre, Namibia</p> <p>NIMR-Mbeya Medical Research Center, Tanzania</p> <p>University of Global Health Equity, Rwanda</p> <p>University of Western Cape</p>	<p>Project activities: First, didactic sessions will be carried out virtually using Zoom and Moodle as teaching platforms. Lectures, reading materials and videos will be given on the pedagogy of online and on-site simulation, including pre-briefing, facilitation, implementation, and debriefing. A total of 58 medical and nursing teachers will be trained in the training of the trainer’s course. Second, three emergency and critical care educators will travel to Finland from each African country for one week to learn simulation-based nursing and medical education at the University of Turku Simulation Centre. The simulation will focus on how the different phases of the simulations are carried out, including pre-briefing, facilitation, implementation, and debriefing. Third, those trained as trainers will run independent simulation education for a larger number of health professionals and students in each partner institution. A total of 1600 nursing and medical students at the master's and bachelor's levels are expected to benefit from the training annually. Depending on technology availability, the team from Finland will participate either virtually or physically as observers and mentors in the local African training.</p> <p>Anticipated results: Upon completion of the simulation training, participants are expected to 1) have a reasonable knowledge of the principles of low and high-fidelity medical and nursing simulation for various emergency situations, 2) understand the current and future technologies relevant to medical and nursing simulation education 3) describe and apply the principle of simulation pedagogy, including preliminary discussion, facilitation, implementation and debriefing 4) have sufficient knowledge and skills to develop, conduct and discuss emergency simulation cases for medical and nursing professionals.</p>

