

MIRAI 2.0



Research & Innovation Week 2023

At Umeå University, Sweden 13-17 November

Seed Funded Project presentations Program November 13, 15:30– 16:45

Room 1, Moderator Professor Eleonor Kristoffersson, Linnæus University

15.30-16.00	Ageing 2 speakers x 10 min session x 5 min QA	Mojgan Padyab, Umeå University , Living arrangement and healthcare utilization in aging societies: an intercountry comparison between Sweden and Japan Minjung Lee, Waseda University , Identifying novel and unknown metabolic factors that are responsible to accelerate ageing
16.00-16.45	Sustainability 3 speakers x 10 min session x 5 min QA	Peter Nandor Popovics, Stockholm School of Economics , The Future of Smart Cities and Society 5.0 Irina Mancheva, SLU , Pollution of surface water by human pharmaceutical use Luis Morales, Örebro University , Lighting for sustainable vegetable crop production

Room 2, digitala möjligheter, Moderator Prof. Magnus Borgström, Lund University

15.30-16.00	Materials Science 2 speakers x 10 min session x 5 min QA	Mahmoud Mousavi, Uppsala University , Architected materials for tailored mechanics Feng Wang Sophia University and Masahiro Yoshizawa-Fujita, and Linköping University , Exploring the potential of organic electrolytes for next-generation solar cells
16.00-16.30	Sustainability 2 speakers x 10 min session x 5 min QA	Mikael Granberg, Karlstad Universitet , Holistic Approach towards Building Resilient Society: Climate Change, Disaster Risk Reduction, Sustainable Development Puneet Saini, Uppsala University , Sushi Fika (Sustainable heating for industries by fostering industrial knowledge with academia)
16.30-16.45	Artificial Intelligence 1 speaker x 10 min session (digital) x 5 min QA	Danilo Vargas, Kyushu University Towards Swedish-Japanese Collaborations in Applied Artificial Intelligence, Innovation and Entrepreneurship

Room 3, Moderator Prof. Karin Axelsson, Vice Chancellor, Linköping University

15.30-15.45	Ageing 1 speaker x 10 min session x 5 min QA	Mthabisi Anele Bhebe, Lund University , The living environments and health in the ageing society in times of crises: findings from the COVID-19 pandemic
15.45-16.00	Materials Science 1 speaker x 10 min session x 5 min QA	Rasmus Andersson, Uppsala University , Develop novel solid polymer electrolytes using polyketones
16.00-16.45	Sustainability 3 speakers x 10 min session x 5 min QA	Soniya Billore, Linnaeus University , Marketing technology (MARTECH) for customer behavioural transformation to rapidly reduce food loss and waste Soniya Billore, Linnaeus University , Vertical seascape farming Jonathan Roques, University of Gothenburg , The MIRAI Oceans and Climate Change Initiative (MOCCI)