

The Future of Life Science

Creeping Crises
2024

Engelsberg Ironworks, May 23–24 2024

Program

Thursday May 23

12:00 Lunch

13:00 Session one

Welcome and opening of the symposium

- Johan Christenson – Partner, HealthCap. Chairman of the Board at Stockholm Science City Foundation
- Stefan Stern – Senior Advisor, Nordstjernen. Board member at Stockholm Science City Foundation

Introduction to creeping crises and different perspectives on handling global health challenges

- Magnus Ekengren – Professor, Department of Political Science and Law, Swedish Defence University
- Carl Johan Sundberg – Professor, Department of Physiology and Pharmacology, Karolinska Institutet
- Susan Michie – Professor of Health Psychology, University College London

14:45 Coffee

15:30 Session two

Antimicrobial resistance – the science, the business, and the governance

- Olivier Rubin – Professor, Department of Social Sciences and Business Globalization and Europeanization, Roskilde University. Editor of the book: *Steering Against Superbugs: The Global Governance of Antimicrobial Resistance*
- Fredrik Almqvist – Professor of Organic Chemistry, Umeå University
- Eva Garmendia – Project Coordinator at Uppsala Antibiotic Center, Uppsala University
- Nina Rawal – Partner and Co-Head of Impact Ventures, Trill Impact

Fireside chat. Experiences from national crisis management and what we learned from the COVID-19 pandemic

- Maja Fjaestad – Expert coordinator for policy and preparedness at the Centre for Health Crises at Karolinska Institutet. Associate professor from KTH. Senior adviser to the European Policy Center in Brussels. Former State Secretary for the Swedish Minister for Health and Social Affairs, Lena Hallengren

17:15 Closing remarks day one

- Anya Sitaram – Moderator of the symposium

18:15 Drinks

19:15 Dinner

Friday May 24

07:00 Breakfast

08:30 Session three

The challenges and opportunities of handling Alzheimer's disease and other types of dementia – new treatments, prevention, and socioeconomic considerations

- Stina Syvänen – Professor at Department of Public Health and Caring Sciences, Uppsala University
- Francesca Mangialasche – Assistant Professor at Department of Neurobiology, Care Sciences and Society, Karolinska Institutet
- Linus Jönsson – Professor at Department of Neurobiology, Care Sciences and Society, Karolinska Institutet
- Cecilia Lundberg – Professor, CNS Gene Therapy, Lund University. Chairperson of the scientific board at The Swedish Brain Foundation (Hjärnfonden)

10:00 Coffee

10:30 Session four

How to act upon creeping crises

- Staffan Svärd – Deputy Dean of the Faculty of Natural Science and Technology, Uppsala University. Director of the Pandemic Laboratory Preparedness program, SciLifeLab
- Fredrik Söder – CEO and founder, Health Integrator
- Petra Noreback – State Secretary to Jakob Forssmed, the Ministry of Health and Social Affairs, Swedish Government
- Magnus Björsne – Head of AstraZeneca BioVentureHub

Summary and future perspectives

- Johan Christenson – Partner, HealthCap. Chairman of the Board at Stockholm Science City Foundation

12:00 Lunch

13:00 Bus back to central Stockholm

The bus arrives at Biblioteksgatan 27 at approximately 15:30

Biographies



Fredrik Almqvist is Professor in organic chemistry at the Department of Chemistry, Umeå University. He is also the Director of Umeå Centre for Microbial Research, which is the host for one of three prioritized areas at Umeå University "Mastering Microbial Infections". Professor

Almqvist has more than 20 years of experience in research projects aiming at finding new alternatives to combat pathogenic bacteria. He is an organic and medicinal chemist by training, but his research activities have been collaborative, involving experts in complementary fields ever since he started his independent career in the late 90's. Besides his academic work, he has also started two companies of which QureTech Bio AB specialises in new antibiotics to make a difference within AMR.



Magnus Björnsne is the Head of AstraZeneca BioVentureHub, a unique initiative that promotes open innovation. The program allows smaller biotech companies and academic groups to collaborate closely with the expertise and capabilities present within a large pharmaceutical company. Dr Björnsne graduated from the University of Lund and obtained his PhD in Medicinal Chemistry at Stockholm University. With over 20 years of experience in the pharmaceutical industry, he has held various managerial positions within the AstraZeneca R&D organisation. In 2006, he joined the Strategic Planning & Business Development organisation, where he has been leading the Cardiovascular Business Development team. This role involves overseeing the search, evaluation, and transaction of mergers and acquisitions, and licensing deals. In addition to his industry role, Dr Björnsne serves as an Associate Professor at the Gothenburg University Sahlgrenska Academy. He is also board member at UN Global Compact Network Sweden.



Johan Christenson is Partner of HealthCap. Prior to joining HealthCap in 2001, he was with SEB Företagsinvest (the venture capital arm of SEB) to supervise its healthcare portfolio. He has senior management experience from Astra Pain Control as project director and AstraZeneca as global product director and member of the

global therapy area management team of Pain & Inflammation. Dr Christenson received his medical training at Karolinska Institutet and received his PhD in basic neuroscience in 1991. He served as a lecturer in neuroscience and also held a position as assistant dean at the Karolinska Institute Graduate School for two years.



Magnus Ekengren is Professor of Political Science at the Swedish Defence University in Stockholm. His current research deals with long-lasting 'creeping crises' such as global warming, pandemics, forced migration and border management, and cyber vulnerabilities. He is a former Swedish

diplomat and was previously Deputy Director at the Policy Planning Unit of the Swedish Ministry for Foreign Affairs. He studied at Uppsala University, the College of Europe, and Johns Hopkins University Bologna before obtaining his PhD from Stockholm University. Professor Ekengren has specialized in the foreign and security policy of the European Union. He writes on the value of EU "experimentalist governance" as a way to understand how governments should build capacity to manage transboundary crises. Recent research projects include a study of EU crisis cooperation practices and the way they foster a new type of security community based on mutual assistance.



Maja Fjaestad is an expert coordinator for policy and preparedness at the Centre for Health Crises at Karolinska Institutet and Associate Professor at KTH – Royal Institute of Technology. Dr Fjaestad is also senior adviser to European Policy Center in Brussels, and she is the former State Secretary for the Swedish Minister for Health and Social

Affairs, Lena Hallengren. She has a PhD from KTH and has worked as a researcher at the Division of History of Science, Technology and Environment at KTH, and at the Max Planck Institute for the History of Science in Berlin.

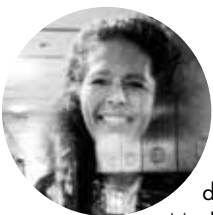


Eva Garmendia is a coordinator and communicator at Uppsala University, experienced in management and communications, and specializing in antibiotic resistance. After 8 years of working in research within genetics and evolution at the University of Granada, the Spanish Research Council, and the Uppsala University (PhD in

Medical Sciences focusing on bacterial evolution), she currently works at the Uppsala Antibiotic Center, where she takes care of the overall project management, content creation, communication, and networking, and also supports the communications efforts of PLATINEA (Platform of Innovation of Existing Antibiotics). Dr Garmendia is producing the centre's podcast and organizes the centre's outreach activities. The communication work involves managing content in digital channels and taking care of the information flow within the organizations and toward extended networks. Dr Garmendia has recently joined Rx Dynamics, a diagnostics start-up company, as their part-time Chief Operational Officer.



Linus Jönsson is Professor of Health Economics at the Department of Neurobiology, Care Sciences and Society, Karolinska Institutet. Professor Jönsson holds a medical degree from Uppsala University, an MSc in Economics and Business Administration from the Stockholm School of Economics and a PhD in Health Economics from Karolinska Institutet. During 2014-2019 he was Vice President for Medical Outcomes Research at H. Lundbeck A/S. His responsibilities included integrating economic evaluation in clinical development programs and developing and applying digital tools for health outcome assessment. During 2019-2021 he served as Head of the Lundbeck Institute, developing and providing medical education in Neurology and Psychiatry. Currently, professor Jönsson heads and coordinates several national and international research projects and consortia in the field of Alzheimer's Disease. He has also served as a scientific advisor to the National Board on Health and Welfare (Socialstyrelsen) for the development of clinical guidelines for the treatment of dementia.



Cecilia Lundberg is Professor at CNS Gene Therapy, Lund University, and chairman of the Swedish Brain Foundation scientific board. She defended her thesis on gene transfer to the CNS in 1996 at Lund University, Sweden, and did her post-doctoral studies at Harvard Medical School in Prof Richard Mulligan's lab in Boston, USA. In 1999 she returned to Lund and started her research group developing gene transfer vectors for use in the CNS. In 2010 she was awarded a full professorship and continues to work on gene therapy to brain. The Swedish Brain Foundation funds experimental and clinical brain research and is one of the largest funding agencies for neuroscience in Sweden.



Francesca Mangialasche is a Geriatrician and Assistant Professor in Clinical Geriatric Epidemiology, at the Division of Clinical Geriatrics, Center for Alzheimer Research, Karolinska Institute, and Karolinska University Hospital, Medical Unit Aging, Stockholm, Sweden. Dr Mangialasche research activity focuses on early detection and prevention of cognitive impairment, Alzheimer's disease and dementia. She is Co-Chief Scientific Officer of the Nordic Brain Network, an international and multidisciplinary research group and collaborative forum lead by Prof. Miia Kivipelto. Dr. Mangialasche is the Executive Director of the World-Wide FINGERS Global Scientific Coordinating Center at the FINGERS Brain Health Institute, providing clinical coordination to the World-Wide FINGERS Network (WW-FINGERS, 60+ countries) of multidomain trials for risk reduction and prevention of Alzheimer's disease and dementia.



Susan Michie is Professor of Health Psychology and Director of the Centre for Behaviour Change at University College London, UK. She is also co-director of Behavioral Research-UK. Professor Michie's research focuses on human behaviour change in relation to health and the environment: how to understand it theoretically and apply theory and evidence to intervention and policy development, evaluation and implementation. She has published >600 journal articles and several books, including *The Behaviour Change Wheel: A Guide to Designing Interventions*. She is chair of WHO's Behavioural Insights and Sciences Technical Advisory Group, and a member of its Working Group on Research Methodology for Public Health and Social Measures and its Guideline Development Group on Hand Hygiene in Community Settings. She co-leads BR-UK, a leadership hub to advance behavioural research across the UK and is part of the Behavioral Science Policy Research Unit advising the UK's Department of Health and Social Care.



Petra Noreback is State Secretary to Minister for Social Affairs and Public Health Jakob Forssmed. The areas of responsibility for the ministry include e.g. public health policy, psychiatry, youth policy issues, communicable disease control, eHealth and life sciences. Petra holds a Master of Science in economics from the Stockholm School of Economics and Copenhagen Business School. Between 2016 and 2022 she worked at the Christian Democrats Parliamentary Secretariat, first as political adviser on fiscal and taxation policy and later as chief economist.



Nina Rawal is Partner and Co-Head of Ventures at Trill Impact, Europe's leading impact investing house. Previous experience includes being Head of Life Science at Industrifonden; Vice President of Strategy and Ventures at Gambro; and Management Consultant at Boston Consulting Group in Stockholm and New York. Nina Rawal holds a MSc in Biomedicine and a PhD in Molecular Neurobiology from Karolinska Institutet, including research work done at Columbia University and Hôpital de la Salpêtrière. She currently serves on the boards of Cinclus Pharma and Stockholms Sjukhem. Recognition for her work includes the selection as a Young Global Leader by the World Economic Forum.



Olivier Rubin is Professor in Disaster Research at the Department of Social Sciences and Business, Roskilde University. He specializes in exploring the governance and socio-economic dynamics associated with major crises and health emergencies. In particular, Professor Rubin has focused on the creeping crisis of antimicrobial resistance (AMR) and the efficacy of the global governance institutions in place to combat that threat. He has participated in several research projects on AMR; published papers on the governance of AMR in both public health and political science journals; and has recently coedited the book "Steering against Superbugs: The Global Governance of AMR" (2023).



Anya Sitaram is a documentary producer and professional conference moderator specialising in health, science, environment and international development. A former BBC World news anchor, Anya Sitaram is a founding director at Rockhopper Media, an award-winning television and film production company. She began her career as a BBC trainee before becoming an ITN Health and Science Correspondent and later a presenter on the BBC's flagship science programme Tomorrow's World. Anya Sitaram regularly moderates high-level events for the European Commission and UN bodies.



Carl Johan Sundberg is a licensed physician and professor at Karolinska Institutet. His research is focused on human genetics, genomics and epigenetics in relation to the health and functional benefits of exercise. Professor Sundberg is dean of Karolinska Institutet North. He is the previous head of the Department of Learning, Informatics, Management and Ethics, where he founded the Unit for Bioentrepreneurship, focused on research and education within innovation, management, entrepreneurship, intellectual property and science communication. For 10 years, he worked as an investment director at a 60 M€ life science venture fund. Professor Sundberg has authored biology textbooks for 12–9-year-olds and popular science books on the biology of exercise. He has designed and led numerous university courses and programs, and has received several Prizes and Honors including H.M. the King of Sweden's medal for "significant contributions to research and science communication".



Stefan Stern is Senior Advisor at Nordstjernan since 2018. He is board member of the healthcare companies Mando Group and Prima Vård. Stefan was previously Head of Communication, Public Affairs and Sustainability in Investor AB's management group. Prior to that, he served as Deputy CEO of Silver Life AB, Senior Advisor at Magnora AB, and CEO of Svensk Fjärrvärme AB. Stefan Stern has been State Secretary for the Swedish Government, Head of planning at the Prime Minister Office and Head of Communications at the Ministry of Enterprise and Innovation.



Staffan Svärd is professor of Microbiology at Uppsala University, and his main research field is infection biology. He is currently the Deputy Dean of the Faculty of Natural Science and Technology at Uppsala University and Director of the Pandemic Laboratory Preparedness program of SciLifeLab in Sweden. Professor Svärd has held several positions in management teams at Uppsala University and SciLifeLab. After doctoral studies at Uppsala University, he did his post-doc at UCSD, San Diego, USA. He has also worked as a researcher at Karolinska Institutet and The Swedish Institute for Infectious Disease Control.



Stina Syvänen is Professor at the Department of Public Health and Caring Sciences at Uppsala University. She earned her PhD from Uppsala University in 2008, followed by a post-doc at Leiden University in the Netherlands. In 2022, she was appointed as a professor and currently serves as the head of the Molecular Geriatrics research group at the Department of Public Health and Caring Sciences, Uppsala University. Her primary research focus revolves around translational studies related to drug delivery to the brain, with a specific emphasis on therapeutic approaches for neurodegenerative diseases, including Alzheimer's disease. Additionally, she actively contributes to the development of innovative antibody formats to enhance brain delivery efficiency.



Fredrik Söder is founder and CEO of Health Integrator, a platform that tailors health plans and wellness services after personal needs and preferences and measures health outcomes. Health Integrator offers solutions to bridge the financial gap between investment in prevention and its outcome, using Health Impact Bonds. Söder holds an MSc in Business Administration and Economics from Jönköping University and he has more than 20 years of experience from driving business transformation within the IT, Finance and Pharma industries. Now he combines these experiences by launching the first "digital vaccine".

