UNICA Network of Universities from the Capitals of Europe

EURLO & UNICA Research Webinar

Academia & Industry: Innovation Models

20 April 2021, 15:00-17:00 (CET)

Biographies of speakers and abstracts

Welcome address: Luciano Saso, President of UNICA

Professor Luciano Saso (Faculty of Pharmacy and Medicine, Sapienza University of Rome, Italy) received his PhD in Pharmaceutical Sciences from Sapienza University in 1992. He is author of more than 220 scientific articles published in peer reviewed international journals with impact factor (SASO-L in www.pubmed.com, total impact factor > 500, H-index Google Scholar 45, Scopus 37). He coordinated several research projects in the field of pharmacology and has been referee for many national and international funding agencies and international scientific journals in the last 30 years. Prof. Saso has extensive experience in international relations, and he is currently Vice-Rector for European University Networks at Sapienza University of Rome. In the last 15 years, he participated in several projects including IMS2020, EGRACONS, IMOTION, BUCUM, UZDOC, TRAIN and has been speaker and chair at many international conferences organised by UNICA and other university networks. He coordinates the Sapienza team in the European University CIVIS (www.civis.eu). Prof. Saso has been Member of the Steering Committee of UNICA for two mandates (2011-2015) and in November 2019 he has been re-elected President of UNICA for the second mandate (2019-2023).

Keynote speaker: Christian J. Suojanen, CEO – Broadreach Global LLC, USA

Christian J. Suojanen is a business and innovation advisor in the biotech, health and pharma sectors, with 20 years strategic advisory, business creation, development and operational experience. His experience includes business strategy, financing and business development for start-up and growth companies, deal-flow scouting for industry, and fund models and capital formation for both US and European investment funds. He founded the leading international biotech and health focused

platform connecting technology transfer, licensing and innovation office directors with serial entrepreneurs, industry and investors globally, over 10 years chairing more than 30 international summits designed to build the expertise and capacity of tech transfer officers and start-up CEOs to engage effectively with industry and investors. These summits were attended regularly by innovation representatives from over 300 leading medical and life sciences universities and institutes world-wide, and hosted by organizations such as the NIH, Wellcome Trust and Institut Pasteur. His innovation advisory for universities, institutes and national systems has ranged from strategic review, to design, as well as recruitment and direction of tailor made international advisory boards supporting clients on issues from strategic planning to direct portfolio review and support. He was the lead rapporteur for the EC's innovation in healthcare initiative, for which he also recruited representatives of Europe's leading venture capital funds, pharma industry and technology transfer offices, contributing to concrete improvements in how the EC supports and finances health innovation. He led a successful turn-around of a near bankrupt European biotechnology federation, coordinated the first European level entrepreneur training bootcamp for biotech founders/CEOs, and developed the first pan-European biotech investment conference for start-ups in collaboration with the EC and EASDAQ (now Euronext). Currently based in the US, he continues to work actively across Europe and North America providing innovation advisory and strategic business support to bio and health sector institutions and companies, through Broadreach Global and our network of strategic partners. He speaks English, French and Spanish.

Abstract: Innovation models in academia

Why do we innovate and what is the purpose of innovation in academia? Who are the key stakeholders in innovation and what are the challenges in aligning the interests and achieving a desired level of engagement and cooperation for successful innovation. An overview of innovation models with a particular focus on the bio and health sectors, and an overview of current approaches, trends and best practices, from sponsored research and traditional technology transfer and licensing, to accelerator and start-up models.

Chair: Jonathan Seckl, Senior Vice Principal, University of Edinburgh

Jonathan Seckl is Senior Vice Principal and the Moncrieff Arnott Professor of Molecular Medicine at the University of Edinburgh. He is an academic endocrinologist (MBBS UCL, PhD London) and his main research contribution has been in elucidating the biology and importance of glucocorticoid (stress) hormones during foetal life in 'programming' the risk of later disease.

In Edinburgh, he set up and led the interdisciplinary Molecular Medicine Centre, initiated and led the Centre for the Study of the Ageing Brain, was inaugural Head of the School of Molecular and Clinical Medicine, and Executive Dean as well as Director of Research for the College of Medicine and Veterinary Medicine. He co-led the BioQuarter translational campus development at the new medical school Little France, raising substantial government, charitable and philanthropic funds. He initiated the "data-driven innovation" concept recently supported via Edinburgh's City Region deal.

Orla Feely, Vice President for Research, Innovation and Impact and Professor of Electronic Engineering, University College Dublin

Professor Feely is Vice President for Research, Innovation and Impact and a Professor of Electronic Engineering at University College Dublin. She holds a BE degree from University College Dublin and MS and PhD degrees from the University of California, Berkeley, where her PhD thesis won the DJ Sakrison Memorial Prize for outstanding and innovative research. While at UC Berkeley, she also won the Outstanding Graduate Student Instructor Award. Her research is in the area of nonlinear circuits and systems, and she has been awarded research grants and prizes from a number of national, international and industry sources. Professor Feely is a Member of the Royal Irish Academy and a Fellow of the IEEE (Institute of Electrical and Electronics Engineers), Engineers Ireland and the Irish Academy of Engineering. She has served as Chair of the Irish Research Council, the EU Advisory Group on Marie Sklodowska Curie Actions, and the IEEE Technical Committee on Nonlinear Circuits and Systems, and as a member of a number of Editorial Boards. Professor Feely is Vice-President of Engineers Ireland and Vice-President for Resources and Treasurer of CESAER (the Conference of European Schools of Advanced Engineering Education and Research). She is a director of the Young Scientist and Technology Exhibition and Deputy Chair of the Higher Education Authority.

Abstract: University-industry collaboration: factors for success

Collaboration between universities and industry is an essential component of a balanced research ecosystem, and an important mechanism through which university research delivers economic and societal impact. The most spectacular current example of this is the development and production of Covid-19 vaccines. There are also risks associated with such collaboration, and many ways in which a collaboration can fail to deliver as desired for one or more parties. In this presentation, drawing on her experience in University College Dublin and in the organisation of research nationally and internationally, Professor Feely will describe the opportunities and challenges associated with university-industry collaboration and present some factors for success.

Karin Berglund, Professor, Stockholm Business School, Stockholm University

Karin Berglund is a Professor of Business, specializing in entrepreneurship, at Stockholm Business School, Stockholm University, Sweden. She is also visiting professor of entrepreneurship at Nord University in Norway. In her research Professor Berglund has taken a particular interest in the expansion of conventional entrepreneurship into new contexts and in the emergence of alternative forms of entrepreneurship. She ponders that, if we now inhabit 'an entrepreneurial society', we also need to understand what that means; in terms of the effects on society, on humans and on our joint ability to

solve problems across institutional boarders. In her research she has followed how social entrepreneurship has emerged as solution to issues of social exclusion and advancing polarization, how ecologically driven initiatives have taken entrepreneurial shapes and noticed how activism often balances on the boarder of entrepreneurship. By studying entrepreneurship from a sociological perspective, as part of an enterprise culture, she argues that we need to understand the emergence of innovation and entrepreneurship from a historical and political perspective. She has recently published a book chapter "An alternative entrepreneurial university?" with colleagues from Linnaeus University, where they show how the innovation-focused and technologically driven entrepreneurial university (TEU) can be completed with alternative versions of the entrepreneurial university (AEU). By emphasising democracy and inclusion in entrepreneurial processes AEU stretches the view of innovation, posing the question: Which kind of society can solve a particular problem? The interplay of TEU and AUE can set the stage for a development of innovations that together create stability for long-terms investments where new knowledge can be turned into both new technologies and novel ways of organising society for the betterment of society.

Abstract: Cooperation with industry: A matter of building bridges within the university

The presentation will focus on the notion of the entrepreneurial university and elaborate on how alternative versions of the entrepreneurial university, that may be difficult to discern, can strengthen the innovative efforts of university. Collaboration with industry and the surrounding society is dependent on an ongoing collaboration within the university where different knowledge claims and approaches to democracy are acknowledged if we wish to contribute to a (more) sustainable future.

François Bussy, Vice-Rector for Research, University of Lausanne

François Bussy is professor of Geology at the University of Lausanne, Switzerland, where he studied Earth sciences and obtained his PhD degree in 1989. After post-docs at the University of Leeds (UK) and at the Royal Ontario Museum in Toronto (Canada), he went back to Lausanne where he specialized in microanalytical techniques. In 2012, he has been appointed Vice-dean for research in the Faculty of Geosciences and Environment at UNIL, which hosts researchers in a wide field ranging from the natural to the human and social sciences. He has been Dean of this faculty from 2013 to 2016, and is currently Vice-rector for research, international relations and continuous education.

Abstract: Getting out from its academic ivory tower or the challenge of instilling an entrepreneurial spirit in a non-technological university

Switzerland is renown worldwide for its innovation and entrepreneurship capacity, mostly driven by the two Federal Institutes of Technology (ETH-Zürich and EPFL), by a dense network of high schools of applied sciences and strong incentives at all governmental levels. In this context, universities are

not perceived as major actors, especially when they do not include STEM or technology disciplines like UNIL (which is specialized in biomedical, environmental, social and human sciences). UNIL and the University hospital CHUV have set up a common technology transfer office in 2000, mostly dedicated to (bio)medical activities. Yet, institutional promotion of collaboration with the industrial world has been virtually absent, if not taboo until 2016, when the current Rectorate took office. The Rector decided to actively promote the *Entrepreneurial Spirit* (l'esprit d'entreprendre) at all levels and without limitations to specific disciplines.

Ioana Galleron, Professor, University Sorbonne-Nouvelle

Ioana GALLERON is a professor for Digital Humanities and French Literature, specialized in the distant reading of theatrical texts, semantic annotation and information extraction from complex texts. She is the former chair of the COST Action 15137 « European Network for Research Evaluation in the Social Sciences and the Humanities » (2016-2020). She co-authored several studies about the ways the SSH produce knowledge and outreach.

Abstract: How to stimulate SSH cooperation with industry?

In a short paper for Research Europe published in 2013, G. Williams considered that « Humanities challenge is to break in and to break out ». Eight years later, this observation remains the same.
Indeed, SSH cooperation with industry is not straightforward. However, this presentation will try to show that it is much more a matter of missconception and distrust, than a structural impossibility. Rather than accumulating success stories from editing industry and GLAM, I will start with a case study in archiving, on the basis of which I will try to show that SSH cooperation with industry depends on understanding their pathways to impact, and on taking the time to grow productive interactions, both between SSH and STEM scholars, and between universities and their stakeholders in general. In doing so, I will be building on the main conclusions and recommendations of ENRESSH network (https://enressh.eu/), former COST action and association working for the SSH in Europe.

Christophe Haunold, Head of the central office for Partnerships, Knowledge and Technology Transfer, University of Luxembourg

Christophe Haunold is the Head of the central office for Partnerships, Knowledge and Technology Transfer at the University of Luxembourg. He was until May 2020 the deputy General manager of Toulouse Tech Transfer, one of the new Tech Transfer Acceleration companies (SATT) dedicated to French public research. The blueprint of this company in 2012 has been his responsibility as he was Director of the Toulouse Federal University's Tech Transfer Office. He was the president of the C.U.R.I.E network (French national association for public research valorisation and transfer) between 2011 and 2014. Christophe Haunold is still currently one of the European association for Knowledge Transfer ASTP Vice-president. He has been educated as a Chemical Engineer (1987), and holds a PhD (1991, INP Toulouse). Dr Haunold has been working in the field of industrial liaison and public research commercialisation for 29 years, as an expert, a Director and a TT Officer.

Abstract: Knowledge Transfer Metrics

The Joint Research Centre (JRC), the European Commission's science and knowledge service, has recently published a report on "Knowledge Transfer (KT) Metrics", in collaboration with the Association of European Science & Technology Transfer Professionals (ASTP).
This scientific output has been prepared by an Expert Group chaired by Alison Campbell from Knowledge Transfer Ireland, with the collaboration from other experts from all over Europe. The main recommendations will be synthetized and presented.

Javier Ortega-Garcia, Vice-Rector for Innovation and Technology Transfer at Universidad Autónoma de Madrid

Javier Ortega-Garcia is currently the Vice-Rector for Innovation and Technology Transfer at UAM. He is a Full Professor of Signal Processing in the field of BioSignals, with high focus on Bimetric Authentication in several application domains. In January 2018, Dr. Javier Ortega-Garcia was appointed as IEEE Fellow for his contributions in forensic speaker verification and biometric signature recognition, and since April 2018 he is also Fellow of the International Association for Pattern Recognition. In 2004 he founded Agnitio, a spin-off company focused in voice biometrics, and left it in 2009; the company was sold in 2016 to Nuance Communications. From 2012 to 2017 he was the Dean of UAM Engineering School. He is an author of more than 300 scientific publications in the field of biometric recognition, including more than 70 articles in high-impact, and more than 150 papers in international key conferences of reference in their areas of knowledge. He served til 2020 as Associate Editor of IEEE Trans. on Biometrics,

Behavior and Identity Science, and also currently in IET Biometrics. He has been a member of the technical committee and organizer of multiple international conferences as well as a regular reviewer for the most prestigious journals in the area. The scientific dissemination activity has been completed with an active participation in National R&D projects, European projects (FP6, FP7, and H2020), and technology-transfer contracts with prestigious companies (Telefónica, BBVA, Accenture, CECABANK) and also with the Spanish Ministry of Home Affairs and Ministry of Defense.

Abstract: Knowledge Generation and Technology Transfer, Universidad Autónoma de Madrid

This talk is focused in all the instruments that Universidad Autónoma de Madrid (UAM) has been developing in the last 4 years in order to promote and accelerate technology transfer to the society: citizens, institutions and companies. The Promotion of Technology Transfer Program, together with the General Framework under which this process can be accomplished will be shown. Together with that, both "Inno_UAM_Talk"s and "Café de la Innovacion" iniciatives will be presented. The Entrepreneurship Program "UAM_Emprende" will be describes, and some final iniciatives like K·Node and DIH·Bio will be exposed.