

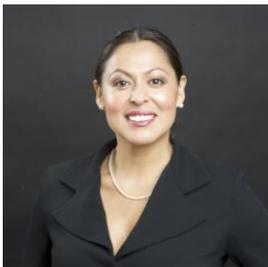
# Science and Innovation Summit Latin America 2022

## Speakers



**Yvette Sánchez.** Director of the Centre for Latin American Studies (CLS-HSG) and Full Professor of Hispanic Cultures and Societies at the University of St.Gallen. She is engaged in several research projects in the Latin American region, mainly attempting to bridge the gap between cultural studies and social sciences, e.g. in the Swiss Graduate School of Latin American Studies (SSLAS), the Leading House for the Latin American Region, or the HSG research network Transcultural Workspaces.

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**Rocío Robinson** is the Senior Program Manager of the innovation-based instruments at the Leading House for the Latin American Region and the AIT Startups (Switzerland, Brazil, Colombia, and Mexico). She is also the Academic Program Manager of the Swiss School of Latin American Studies (SSLAS) and a lecturer at the University of St.Gallen. Rocío completed a BA in Political Science at Smith College in Massachusetts and also studied International Relations at the Graduate Institute in Geneva. She earned an MSc in Comparative Politics at the London School of Economics (LSE) and did her PhD at the University of St.Gallen. Professionally, Rocío has worked in New York City in different industries tied to Latin America and Emerging Markets, and worked in Sierra Leone for an NGO as well as at UBS Wealth Management International in Zürich, Switzerland.

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**Mirko Giulietti.** Federal Department of Foreign Affairs, EDA. Mirko holds a degree in Economics and Social Sciences from the University of Geneva, a Master's degree in Urban Planning and Land Management from the ETH Zurich and a Master's degree in International Law and Human Rights from the University of Louvain-la-Neuve. He worked for the International Committee of the Red Cross (ICRC) and the Organisation for Security and Cooperation in Europe (OSCE), and later joined the Swiss diplomatic service. In 2010, Mirko moved to Mexico as Deputy Head of the Human Rights Policy Section. In 2016, he was appointed Ambassador to Costa Rica, El Salvador, Nicaragua and Panama, and since August 2020, Ambassador Giulietti has served as Under-Secretary of State for the Americas.

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**Maria Peyro-Voeffray** is the Deputy Head of International Relations and Head of Bilateral Relations at the State Secretariat for Education, Research, and Innovation (SERI), in Berne, Switzerland. Prior to joining SERI, Maria worked for three years in the European Bank for Reconstruction and Development (EBRD) in London, where she managed the team in charge of relations with the Bank's shareholders. Previously, she was Senior Advisor to the Swiss Federal Councillor Doris Leuthard, Head of the Federal Department for Environment, Transport, Energy and Communication. Maria holds a Licence in International Relations from the University of Geneva, a Master's in International Law and European Studies from the Graduate Institute of International and Development Studies in Geneva, and a Master's in International Economics and Trade from Columbia University in New York.

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**Malin Borg.** After five years as the Head of the Swissnex network at the State Secretariat for Education, Research and Innovation in Switzerland, Malin Borg is back in Brazil. She holds a Master's degree in International Affairs from The Graduate Institute in Geneva and an undergraduate degree from the University of St Andrews, UK. As CEO of Swissnex in Brazil, Malin Borg's mission is to support the outreach and active engagement of partners from Switzerland and Brazil in the global exchange of knowledge and ideas, and to foster collaboration for inspiring research and groundbreaking innovation.

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**Bruno Aloï.** Bachelor in International Business from the University of Salvador (Brazil), Master in International Management Consulting at the FH Ludwigshafen (Germany) and MBA in International Relations at Fundação Getúlio Vargas (Brazil). Bruno Aloï has 20 years of experience in international promotion and business development. Brazilian with Italian roots, he has worked for different promotion agencies: State of Bahia (Brazil), Milan Chamber of Commerce and Switzerland Global Enterprise (S-GE); paving a solid career in export promotion and investment attraction. Currently, Mr. Aloï is Senior Consultant for South America at S-GE, responsible for supporting Swiss companies in the markets of Paraguay, Uruguay, Brazil, Argentina, and Chile.

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**Juan Sánchez-Ramos** received a PhD in Pharmacology and Physiology from the University of Chicago and a medical degree (MD) from the University of Illinois. He was trained in Neurology at the University of Chicago and as a Fellow in Movement Disorders at the University of Miami. Currently, he is a Professor of Neurology at the University of South Florida in Tampa where he holds the Helen Ellis Endowed Chair for Parkinson's Disease Research and is Director of the HDSA Center of Excellence for Huntington's Disease. He has published over 300 scientific articles that include original research, chapters, published abstracts, and letters. His research interests focus on Neurodegeneration, Neurotoxicology and Adult Stem Cell Biology.

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**Irène Hediger** is head of the artists-in-labs program (AIL), Department of Cultural Analysis at the Zurich University of the Arts. She curates and promotes inter- and transdisciplinary exchange and practices at the interface of art, science and technology in the fields of environmental science, astrophysics, biology, neuroscience and medicine. In 2009, she initiated the international artists-in-labs Residency Exchange program. Hediger has curated numerous exhibitions and accompanied programs in contemporary art, science and technology such as: “Quantum of Disorder”, “(in)visible transitions”, “Displacements – Art, Science and the DNA of the Ibex”, “Propositions for A Poetic Ecosystem”, and “Interfacing New Heavens”. She holds a MAS in Cultural Management, University of Basel, and a degree in Group- and Organizational Dynamics (DGGO).

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**Pedro-Manuel Marqués-Vidal** is a specialist in clinical research and holds a PhD in Medicine, a PhD in Biochemistry and a PhD in Epidemiology. He did his PostDoc at the National Institute of Health in Finland. He is an associate editor of the European Journal of Preventive Cardiology since 2016. He has worked as a researcher at the Institut National de la Santé et de la Recherche Médicale in France, as an associate professor in nutrition and public health at the Lisbon Medical School and has also taught at several private universities in Portugal before coming to Switzerland in 2006. His research work focuses on risk factors for coronary heart disease, in particular diet and physical activity, within the CoLaus|PsyCoLaus study. He participates in numerous studies at the CHUV as a statistical or research methodology consultant. He has received grants from the SNSF and the Leenaards Foundation.

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**Jessica Mesman** is Associate Professor at Maastricht University in the Netherlands. Her field of expertise is Science and Technology Studies with a focus on medical practices, in particular ICUs, Surgery, and Emergency. Her work on ‘exnovation’ is internationally recognised as progressive as the concept directs the attention to highlighting and harnessing the ecological strength of existing practices by combining innovation with scientific inquiry. Jessica Mesman will discuss how ‘exnovation’ brings science and innovation together in a dialogic and reflexive process among multiple actors, in interaction with pre-existing ecologies of knowledge and expertise.

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**Cristina Domínguez** is a postdoctoral researcher with a background in Civil, Energy, and Environmental engineering. Her PhD research at ETH Zurich focused on developing a data-driven geo-spatial methodology to forecast the energy demand of rural households in developing countries to support the planning of energy access strategies. She has designed, managed, and deployed different projects with a wide range of stakeholders in Africa, Latin America, and South Asia aimed at providing solutions to global development challenges.

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**Edwin Zea Escamilla** is Senior Assistant at the Chair for Sustainable Construction ETHZ. After finishing his PhD at ETHZ he was appointed head of Sustainable Building and Real Estate research CCRS at UZH. His research interests cover bio-based materials, circular economy, life cycle cost assessment, post-disaster reconstruction, and social housing in the global south. Edwin collaborates with NGOs like the HILTI foundation and the BASE-bahay foundation. He is member of the Bamboo Construction Task Force of the International Organization for Bamboo and Rattan and is co-organizer of the International Symposium on Bio-Based materials and structures. He also serves as topic editor in the Journals Sustainability and Sustainable Structures.

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**Artur Avila** is a Brazilian and naturalized French mathematician working primarily with dynamical systems and spectral theory. He is one of the winners of the prestigious 2014 Fields Medal, regarded as one of the highest honors a mathematician can receive, and is the first Latin American and lusophone to win such an award. He has been a researcher at both the National Institute for Pure and Applied Mathematics in Rio de Janeiro and the French National Centre for Scientific Research (working a half-year in each of these institutions). Since 2018, he has been a professor at the University of Zurich's Institute of Mathematics.

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**Guillermo Anlló** holds a BA in Economics from the University of Buenos Aires and a M.Sc. in Science, Technology and Society from the National University of Quilmes, Argentina. Currently, he oversees the STI Policy Programme at the UNESCO Regional Office for Latin America and the Caribbean, especially the regional activities for Science, Technology and Innovation policy advice, STEM Education, Science Communication, Gender and STEM, STI Information, Promotion of Basic Sciences and Engineering, Society-Science-Policy Relationship, Science and Diplomacy. He was Undersecretary in the first Ministry of Science, Technology and Innovation of the Province of Buenos Aires. Previously, he was a researcher and professor at the Faculty of Economic Sciences of the UBA as well as a consultant for several national and international organizations (IDB, ILO, UNICEF, WIPO, PAHO, World Bank).

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**Daniella Laureiro Martínez** works at ETH Zurich where she is the director of the Cognition Learning and Adaptive Behavior Group (COLAB). The group studies the cognitive antecedents of adaptive behavior in environments that rapidly change. Daniella has published her research in top peer-reviewed outlets in management and cognitive sciences and is an active member of the Behavioral Strategy Group of the Strategic Management Society and the Innovation and Managerial Cognition Divisions of the Academy of Management.

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**Véronique Michaud** is currently Associate Professor and head of the Laboratory for Processing of Advanced Composites, and Associate Dean of Engineering for Education, at the EPFL, in Switzerland. She graduated in 1987 from École des Mines in Paris with an engineering degree, in 1991 from MIT with a PhD in Materials Engineering, and obtained a Research Habilitation from INPG in France in 1994. After a post-doctoral research stay at MIT, she spent 3 years at École Centrale in Paris for teaching and research in the Laboratory for Materials, Structures and Soils Mechanics, before joining the EPFL in 1997. Her fields of research are fundamentals of composite materials processing, as well as smart materials and structures including self-healing, shape and vibration control and tailored damping.

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**Paola Vega Castillo** is a Professor at the Instituto Tecnológico de Costa Rica, from where she holds a BSc in Electronics Engineering. She received her MSc in Microelectronics and Microsystems, and PhD in Microelectronics from the Institute of Nanoelectronics and Medical Electronics of the Technical University of Hamburg-Harburg. Her postdoctoral research is in high-frequency integrated circuits for biomedical applications. Currently, she works on strategies and technology for the development of smart territories. Besides her academic career, she served as Minister of Science, Innovation, Technology and Telecommunications, and as Vice Minister of Science and Technology of Costa Rica, beforehand as Vicepresident for Research and Outreach at Instituto Tecnológico de Costa Rica, where she founded the Master's Program in Electronics Engineering and the Nanotechnology Research Program.

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**Manuel Elkin Patarroyo** is a Colombian pathologist. He studied medicine at the National University of Colombia, received a scholarship at Yale University, and subsequently did his PhD at Rockefeller University in New York. Dr. Patarroyo developed the world's first synthetic vaccine for malaria, which was evaluated in clinical trials carried out by the WHO in Gambia, Tanzania, and Thailand, and provided mixed results. However, the vaccine has been proven effective in around 30% of the trials and could save an estimated 1 million lives out of an annual death toll of 3 million, making it the most effective vaccine against malaria to this day. Manuel is currently the head of the Colombian Immunology Foundation Institute, which he founded in 1972. He holds 21 honorary doctorates from all around the world and has received many prestigious awards including the "Prince of Asturias Prize".

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**Philippe G. Nell**, is Honorary Ambassador of the Latin American Chamber of Commerce in Switzerland and University Lecturer on trade, investment, and integration policy as well as negotiating techniques. His next assignment is scheduled with the University of Fribourg (2020). Until October 2019, he was Deputy Assistant Secretary for Bilateral Economic Affairs and Head of the Americas Unit at the State Secretariat for Economic Affairs (SECO) of the federal Department of Economic Affairs, Education and Research. He oversaw bilateral trade and investment relations and held the diplomatic title of Minister.

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**Thomas Grisaffi** is a Senior Researcher at the University of Reading, UK, and Visiting Professor at the University of St Gallen. Trained as an anthropologist, Thomas's research focuses on coca and cocaine production and its global commodity chain, alternative development, and democracy. He is the author of 'Coca Yes, Cocaine No: How Bolivia's Coca Growers Reshaped Democracy' (2019, Duke Univ Press) and is the co-editor of 'Cocaine: From coca fields to the streets' (2021, Duke Univ Press). He is a co-investigator on an ERC funded project titled 'Anthropologies of Extortion'.

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**Ilana Berlowitz** is a Postdoctoral fellow at the University of Zurich (Faculty of Medicine, Institute of Anatomy) and the University of Bern (Department of Biomedical Research, Nuclear Medicine Department). PhD in Clinical and Health Psychology, Ilana specializes in Indigenous medicines' uses of psychoactive plants. She conducts transdisciplinary collaborations with Peru, Cuba, Guatemala, and Colombia, with extensive field research in the Peruvian Amazon. Ilana was awarded the Inger-Salling Prize for outstanding accomplishments in Swiss psychiatry research. She publishes in scholarly journals and has raised competitive grants from the SNSF and others.

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**Isabelle Schluep Campo** is associate professor and co-director of the Food Ecosystem Institute at the School of Management Fribourg (HEG-FR) since 2022. She is responsible for the new postgraduate CAS in ESG and sustainable management. Previously, she worked as a project leader, researcher, lecturer, and mentor for students in the university environment and for six years as a public policy practitioner in the Swiss government (SECO). She has extensive experience and knowledge of global food and agricultural markets, economic policies, the international trading system, sustainable finance, and the development of tools to measure sustainability. She holds a PhD in Agricultural Economics from ETH Zurich and Master's degrees from Iowa State University (Economics), Cornell University (Agricultural Economics), and University of Cumbria (International Business Law).

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**Jonas Köppel** is currently a PhD candidate at the department of Anthropology and Sociology at the Graduate Institute Geneva. His dissertation research focuses on the technopolitical issues surrounding lithium in Bolivia, where he has conducted extensive ethnographic fieldwork with diverse people involved in the State lithium project. Furthermore, he has been part of two research projects at the same institute, comparing the governance of lithium across Argentina, Bolivia, and Chile, and more recently, tracing connections between lithium and battery industries across South America and Europe.

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**João Silveira** is the coordinator of innovation and creativity at Lab e-nov, and learning specialist at Axens Academy, both subsidiary institutions of the IFPEN group, the French research institute linked to the ministry of ecological transition. He holds a master's and a PhD in Education, and Scientific Communication from the Federal University of Rio de Janeiro and was a visiting researcher at Harvard.

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**Maria Hahn.** CEO and Founder of Nutrix, a Basel-based start-up, specialising in big data-driven healthcare innovation. Maria has several years of professional experience in industries, ranging from consulting to medical devices in the area of strategic marketing. She received her MBA from IE Business School and participated in the MIT Innovation and Technology Bootcamp. Prior to founding Nutrix, she worked as Global Head of Solution Management at Straumann Group.

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**Enrico Scoccimarro** is Co-Founder of FenX AG, an ETH Spinoff producing circular thermal insulation. His focus lies in new product development, to bridge the market demands and internal R&D efforts. He is passionate about iteratively bringing high-tech innovations to market maturity. He graduated with honors from ETH Zürich with a degree in Materials Science and participated with FenX in the AIT Colombia 2020 accelerator programme.

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**Beatriz Gasparini** is a biologist who holds a PhD in Sanitation, Environment and Water Resources from the Federal University of Minas Gerais in Brazil. She is currently a postdoc in Environmental Engineering at the University of Montpellier in France. Beatriz works in the areas of water and wastewater treatment and reuse, and circular economy. She has experience in research and teaching as well as consulting and is a Co-Founder of Acqua Inova.

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**Pedro Romero** is an honorary professor at the University of Lausanne and the Deputy Scientific Managing Director of the Ludwig Institute for Cancer Research. He has published more than 320 articles in peer-reviewed scientific journals and directed more than 20 PhDs and more than 25 postdocs. He received his medical degree from the National University of Colombia in Bogotá and did his postdoctoral fellowships at the Department of Medical and Molecular Parasitology at New York University, USA, and the Ludwig Institute in Lausanne, Switzerland.

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**Eliette Restrepo** is a trusted expert in data analytics, data science, key performance indicators, and data visualization tools and techniques. Eliette Restrepo currently leads the team providing Data Management and Analytics solutions to the Roche Pharma Site Organization. She is a science and engineering professional with a PhD focused in Industrial Ecology from the Norwegian University of Science and Technology (NTNU).

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**Rosa Aragão Börner** is a researcher in biotechnology with vast experience in microbiology, molecular biology, and industrial biotechnology. Her international experience includes Bolivia, Sweden, Denmark, India, and Brazil. Since 2020, Rosa is a Research & Development specialist in Fermentation at Nestlé in Lausanne, where she is the Lead Scientist and Project Manager in projects related to microbial transformations, fermented products, and probiotics for cross-category business.

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**Tomás Araneda** is a sociologist from the Alberto Hurtado University and Head of Projects and Studies at Sé Santiago Smart City. He has experience in digital transformation, territorial planning and city base solutions in information and communication technologies (ICT). In the last year, he has led studies on personal data protection, data management models and artificial intelligence, data governance, and projects in the fields of mobility, environment, and enabling resources (Telecommunications Infrastructure and Public Information). The Sé Santiago program is an initiative of the Corporación de Fomento a la Producción (CORFO), an agency from the Ministry of Economy, Development and Tourism of Chile, and its purpose is to position Santiago as a benchmark in the phenomenon of smart cities.

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**Eduardo Wills Herrera** is an organizational and well-being scholar who developed his academic career at Universidad de Los Andes in Bogotá as Director of CIDER and full professor at the Management School, where he was Director of the PhD program. He earned a PhD in Organizational Behaviour and a Master's in Management from Tulane University, New Orleans, and a Master's in Development Studies from the Institute of Social Studies at the Hague. He is part of the organizational and sustainability areas of the Management School UniAndes. He has published on strategies to link wellbeing and quality of life to sustainable development and acted as director of Plan Nacional de Rehabilitación (PNR), a regional strategy for the rehabilitation of conflicted regions and the reconciliation of people in armed conflicts. He was also Director of the Mission for State Moralization and efficiency at the Presidency of the Republic of Colombia.

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