sireus forum
ENTREPRENEURS

Denver & Boulder, Colorado

March 18th-22nd 2024

Welcome to the SIREUS ENTREPRENEURS forum in Colorado! SIREUS, a collaboration project between The Swedish American Chambers of Commerce (SACC-USA), 11 Swedish universities, and the Swedish Embassy of Washington, D.C., focuses on knowledge exchange in innovation, science, and entrepreneurship, as well as talent mobility for students and researchers between Sweden and the U.S.

The SIREUS ENTREPRENEURS forum in Colorado features a delegation of companies that are beyond the ideation stage but are still considered early to mid-stage. These companies have a clear business model, product, or technology. The SIREUS ENTREPRENEURS forum is an opportunity for these companies to soft launch and/or get validation on the US market by building connections with local organizations, potential partners, investors, and mentors. It is also a great place for the innovation offices to learn about the best practices in innovation and entrepreneurship support from their counterparts in the U.S.

We are delighted to announce the inclusion of six startup companies from Stockholm University, Uppsala University, and Lund University. The following pages feature details about each startup, including their pitch and information about the representatives representing each university.

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Participating Startups

From Stockholm University, a university that provides a variety of inspirational activities and events arranged regularly for students at Stockholm University, two dynamic startups will be featured: LignoFlow and CarbonAct.

LignoFlow

Lignin, an integral component of wood, is typically overlooked and discarded during paper manufacturing, amounting to an annual waste of 40 million tons. Lignoflow has developed patent-pending technology for the processing of lignin into scalable bio-based materials for a sustainable future. The basis for LignoFlow® formulations and products is the method of producing high-consistency lignin dispersions and gels without any organic solvents.

We are seeking partnerships with the forest industry and manufacturing companies committed to substituting fossil-based materials with renewable bio-based ingredients.

Contact: Ievgen Pylypchuk
Website: Lignoflow.com

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CarbonAct

Integrating advanced scientific research on farming practices with proprietary quantification models, CarbonAct offers stakeholders in the voluntary carbon market and GHG accounting industry an unprecedented opportunity to reliably verify changes in soil carbon uptake on farms, at a fraction of current costs - unlocking a new supply chain of high-quality removal credits.

Contact: Johannes Söderberg & Anders Wästfelt
Website: Carbonact.farm

From Uppsala University, a university that supports students who want to bring their ideas to life, two exciting startups will be featured: Readily Diagnostics, and MyCural Therapeutics.

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Readily Diagnostics

Readily Diagnostics is developing a novel rapid test for molecular diagnostics of respiratory infectious diseases. The test is based on proprietary padlock probe technology and rolling circle amplification (RCA) for detection of viral and bacterial RNA and DNA. The test will be available as a microfluidic chip for lab quality, near-patient testing of four respiratory viruses and three bacteria. In addition, the technology will also be made available as a high-throughput assay based on flow cytometry readout.

Contact: Magnus Molin, magnus.molin@readily.se
Website: Readilydiagnostics.com

MyCural Therapeutics

MyCural develops a new type of anti-cancer therapy and aims to bring forward a candidate drug within two years. The team wants to partner (or out-license) with international pharma companies, having the infrastructure and capital to join their mission; to develop potential candidate drugs targeting the MYC oncoprotein.

Contact: Alina Castell
Website: Mycural.com

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From Lund University, with a long tradition of networks between the university, the public sector industry, and society, two startup companies will be featured; PluvioFlow, and Lucent Waves.

PluvioFlow

PluvioFlow AB is a pioneering company based on solid research from Lund University. The company addresses the growing threat of climate change to landscapes and infrastructure by developing an innovative flow simulation algorithm that combats the increasing risk of flooding. This algorithm not only significantly reduces the time needed for simulations, but also increases accuracy and brings the results closer to reality. PluvioFlow has set itself the goal of revolutionizing flood simulations. Its simulation algorithm serves as a transformative tool and makes a significant difference in the planning and design of blue-green infrastructure as a nature-based solution for flood risk management. Key users include municipalities, real estate companies, insurance companies, and private individuals around the world.

Contact: Abdulghani Hasan, abdulghani.hasan@gmail.com

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Lucent Waves

LucentWave offers an advanced signal processing solution that addresses the historical challenges posed by the Heisenberg uncertainty principle. LucentWave's technology cleverly dislocates the trade-off identified by Heisenberg between frequency and temporal resolution. This breakthrough allows for significant improvements in data transmission and signal fingerprinting. By introducing time domain information and dynamically controlling time-frequency tradeoffs, LucentWave enables the encoding and decoding of substantially more data from the same signal with greater precision. This innovation not only leads to higher bit rates and increased bandwidth but also addresses critical issues in untethered devices like IoT and 5G, such as reduced energy consumption and overheating. The LucentWave team combines academic expertise with industry insight, positioning the company as a leader in reshaping the landscape of signal processing technology.

Contact: Kaan Kesgin, kesginkaan@gmail.com
& Henrik Jörntell

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Representatives

Frida Henningsson Johnson

Frida Henningsson Johnson is a business advisor at Uppsala University Innovation and supports students, researchers, and employees who want to bring value with their research findings and ideas within, as well as outside of academia. Additionally, Frida has a broad scientific background from academic research projects ranging from biochemistry to genetics and immunology.

Martin Arvidsson

Martin Arvidsson is a research officer at Stockholm University in the office for research, engagement, and innovation services where the central goal of ensuring high quality and sustainable long-term conditions for research and innovation as well as public and global engagement. Martin is a part of the office's work which includes providing qualified support for the university's researchers and institutions in connection with the application for external research funding.

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Peter Franck

Peter Franck is an innovation developer at Lund University Innovation and works with researchers and student to develop innovations that can make an impact on society. Peter has additional focus on environmental and sustainable research, an area where Lund University recently was ranked number two in the world. Furthermore, Peter has a background as a patent engineer and working with public funding of Swedish cleantech startups.

Arne Jacobsson

Arne Jacobsson is a business developer and IPR-advisor with 30 years of experience working at the intersection of business and patents. Initially, he worked in the industry, then transitioned to a role as a patent attorney. For the past two decades, he has been involved in commercializing research results at Linköping University and within its incubator. His first engagement with a start-up was in 1984. Arne has also served as a head coach in a deep-tech unicorn.

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Christer Nygren

Christer Nygren is working at Mälardalen University as a teacher in innovation management and as head of internationalization. At the university, he has had different assignments such as director of studies, program coordinator, head of department, member of the faculty board's engineering committee and member of the university board. Christer has earlier experience from one of Sweden's first unicorn companies and its development from a small to a worldwide organization. The company created and launched one of the first authentication solutions for cell phones. Christer is now also representing the university in business development groups and seed financer organizations in the region's innovation system. The main interest is however teaching students within the innovation area. Besides his professional life, Christer is spending a lot of time as deputy chairman at a Swedish NGO with 20,000 members.

Tomas Hjort

Tomas Hjort is a deeptech entrepreneur and start-up business coach, with more than 20 years of experience in introducing new innovations, new technologies, and new companies to new markets. Tomas has been CEO, board member, and manager in several VC-backed startups as well as at established global companies. Tomas supports Stockholm University Holding and its deeptech portfolio companies with commercialization and GoTo market coaching. He is also the CEO of CelluCircle, a recently founded startup developing a proprietary process for the sustainable recycling of discarded textiles.

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Christer Bergman

Christer Bergman is the Program Director for SIREUS and has been a member of the board of the International Biometrics and Identification Association (IBIA) for many years as well as a very active member of the board of the Swedish-American Chamber of Commerce, SACC-DC, and SACC-USA. Christer is the founder of Novexus and has throughout his career held numerous executive positions in the high-tech industries in the U.S. and Europe.

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