



Participating Startups

Empatik AI



Empatik AI is the therapy assistant that vastly reduces time, improves accuracy and enhances therapy experiences overall.

By mapping emotional reactions from verbal and non-verbal communication and fusing these together; the Empatik system offers an unprecedented picture of a person's state and intent. And because the system monitors both parties simultaneously; it successfully helps eliminate wrongful assumptions often linked with classical therapy.

The system is based on more than 30 years of research and experience within psychology, affective computing, neuroscience, communication and machine learning - making Empatik the most sophisticated therapy tool ever created.

University: Stockholm University

Contact: Ulrik Rosenvinge-Thürmer, ulrik@empatik.ai

Website: empatik.ai

Enphasys

Enphasys is devoted to improving oral drug performance. Our patented invention, the Enabling Absorption Device (ENA) compares performance of any type of advanced drug formulation and correctly picks the top performer in vivo without need for animal experiments. Enphasys cutting edge expertise in drug formulation optimization helps ensure the optimal dosage form is selected for clinical development faster and at lower cost. Enphasys is based in Uppsala and was founded in 2019.

University: Uppsala University

Contact: Daniel Bergstrom, daniel.bergstrom@enphasys.se

Website: enphasys.se



University of Colorado
Boulder





IRONIC.

IRONIC BIOTECH has a portfolio of patented compounds with iron absorption rates comparable to the iron in meat. It can earn appeal as both functional foods (developed markets) and fortified foods (developing markets), or as a stand-alone iron supplement.

University: Lund University

Contact: Nélida Leiva Eriksson, nelida.leiva_eriksson@biotek.lu.se

Hans Holm, Hans.Holm@gut-it.com

Website: ironicbiotech.com



INCEPTRON

Inceptron, The use of AI for video and image analysis is growing rapidly, but so is the cloud costs, inference runtimes, and energy consumption. We have patented a technology that allows us to tailor on demand hardware dedicated your AI networks and:

- Cut your cloud costs by up to 50% for early adopters
- Make your inference runtimes an order of magnitude faster
- Reduce the energy consumption of your algorithms by more than 60%

This runs in the cloud and does not require any code changes, you just need point your Tensorflow/Pytorch pipeline to our service.

University: Lund University

Contact: Lucas Ferreira, lucas.ferreira@inception.io

Website: inception.io





Mind Intelligence Lab

Mind Intelligence Lab is deeptech company that develops technology for text analysis. We provide algorithms that can identify risk of violence (Dechevr), risk of suicide (SuicideScan), toxic language (Hatescan) and a recruitment and selection solution (Psync) with an algorithm that extracts candidate personality signature from writings.

University: Uppsala University
Contact: Nazar Akrami, nazar.akrami@mindintelligencelab.com
Website: mindintelligencelab.com

VirusBustor

Virubustor AB is a start-up founded in response to Covid-19 to reduce airborne disease transmission onboard public transportation. Airborne transmission plays a disproportionately large role in the spread of respiratory diseases, as pathogens can reside in air for long periods and travel over great distances due to their small sizes. Infections of common colds, the flu and most respiratory diseases spread easily amongst passengers sharing a vehicle. We developed a solution for air purification in vehicle environments using the engine to continuously remove contagious aerosols inside the passenger compartment and at the same time decontaminate the displaced air without the inset of consumables. We are running a pilot project with a bus company in real-world operation in Uppsala and testing prototypes on ambulances with funding from a Vinnova.

University: Uppsala University
Contact: Kerstin Muhlig, kerstin.muehlig@icm.uu.se
Website: vitubustor.se





TIRMed, TIR-C is a next-generation proprietary topical medication, for treatment of mild-moderate AD. By early treatment with TIR-C, we aim to prevent disease progression into severe states and the onset of the atopic march. The immunomodulatory, water-based TIR-C cream ameliorates itch/burn. It is involved in upholding a vicious circle of undesirable immune response leading the biggest unresolved AD problem: intense itch.

University: Stockholm University
Contact: Leo Holmgren, leo.holmgren@tirmedpharma.com
Website: tirmedpharma.com



OssiGel: The personalized modeling of bone-developing cancers.
OssiGel offers the formation of patient mini-bones in mice. Those mini-bones are constituted of the patient's own cells, providing the ideal autologous micro-environment for the engraftment of corresponding cancer cells. The technology thus provides an individualized platform to study blood cancers, but also solid tumors ultimately metastasizing to bones.
OssiGel is a custom extracellular matrix to be mixed with patient-derived cells. Upon subcutaneous injection, up to 6 mini-bones can be formed per animal. The resulting mini-bones display remarkable structural and compositional features, comparable to the native patient bone tissue. The method is robust, fast and cost-effective. By mimicking the patient bone-developing cancer condition, OssiGel will prompt the identification and testing of therapeutics in a personalized fashion. OssiGel bears high relevance for R&D and drug discovery research as a precision medicine platform.

University: Lund University
Contact: Dimitra Zacharaki, dimitra.zacharaki@med.lu.se
Website: bourginelab.com





University, Government, and SIREUS Representatives

Maria Brogren, Science and Innovation Counselor, Swedish Embassy in the USA
maria.brogren@gov.se

Malin Graffner Nordberg, Head of Uppsala University Innovation
malin.graffner@uu.se

Niclas Nilsson, Director Lund University Innovation
niclas.nilsson@innovation.lu.se

Tor Regberg, Innovation Manager, Stockholm University
tor.regberg@su.se

Cecilia Jädert Widblom, Innovation Developer, Lund University
cecilia.jadert@innovation.lu.se

Frida Henningson Johnson, PhD, Business Advisor, Uppsala University Innovation
frida.johnson@uu.se

Joacim Mattisson, President, SACC Arizona
joacim.mattisson@saccarizona.org

Louise Andersson, SIREUS Event Manager
event@sireus.org

