Winter 2021/22

You want to stay up to date on what's happening at CAIM? Then you've come to the right place! Below is your news overview for winter.

_About

Bern Data Science Initiative launched (November 2021)

The Bern Data Science Initiative, BeDSI, a network at the University of Bern aiming to foster data driven research and promote it across disciplinary and faculty boundaries, was launched in November 2021. Three initiators, Prof. Dr. Christiane Tretter, Prof. Dr. Tobias Hodel, and CAIM Director Prof. Dr. Raphael Sznitman explain why this network is important.

Interview about the Launch Event / Bern Data Science Initiative

CAIM opens Expert Directory (December 2021)

CAIM is active in networking AI and healthcare experts within the Bern Medical Hub. To facilitate this and additionally aid international collaboration, it has created an Expert Directory where postdoctoral fellows and faculty level members active in AI in medicine research are cordially invited to register. The Directory is online since December 2021 and can be searched for names, data types, methodology or clinical application area, so that experts with a specific skill set can easily be identified and approached.

CAIM Expert Directory / Register as an expert

CAIM funds five translational projects (February 2022)

Twenty teams submitted their projects to the first CAIM Research Projects Fund call. After a peer-reviewed assessment by external reviewers and a pitching round, the CAIM Management and Steering Committee have selected five projects in acute and preventive medicine to be funded with up to CHF 100,000 each over the coming 24 months.

News article with five funded projects / CAIM Research Project Fund

In depth: **What drives us** (CAIM Vision & Mission)

_Education

Master AI in Medicine at the Master's Open Days (March 2022)

After its official launch in September 2021, the MSc program "Artificial Intelligence in Medicine" will be participating in the University of Bern Master's Open Days for interested students to start at the 2022 fall semester. The program features an information event and guided lab tours on-site on 22 and 23 March or alternatively an online introduction to the program on 24 March 2022. Registration via https://mastertage.unibe.ch/

Virtual introduction to the program / MSc AIM website

In depth: All educational offers at caim.unibe.ch/education

_Research

Here is a non-exhaustive selection of recent Bern Medical Hub research papers:

ENT: Tinnitus Research Award for Bayesian Brain approach   read the study

Nutrition: AI to prevent malnutrition in hospitals   read the study

Ophthalmology: VR vs. standard visual field tests in glaucoma   read the study

Physiology: When algorithms get creative   read the study

       Fast information processing with slow neurons   read the study

Urology: CNN quantifies ureteral stent encrustations   read the study

> ***In depth:*** Find all CAIM research news at caim.unibe.ch/news

_Featured

Interview with **Mihai Petrovici**, Department of Physiology, University of Bern.

Interview Maxime Baud, Department of Neurology, Inselspital.

Reportage Bulletin des médecins suisses with Raphael Sznitman, Stavroula Mougiakakou (AI in Health and Nutrition), Mauricio Reyes (Medical Image Analysis) and Serife Kucur.

Startups: PeriVision wins EIT Wild Card / **Interview** with co-founder Serife Kucur.

_Events

CAIM completes first Ethics Talks round (January 2022)

The CAIM Ethics Lab has organized talks with invited speakers and an introduction to its expertise and services for research in the fall semester 2021/22 that have sparked high interest. Researchers from both an engineering/computer science and clinical background interested in discussing ethical issues are welcome to contact the CAIM Ethics Lab.

Brainweek Bern (March 2022)

The focus topic of this year's Brainweek (14-17 March) is consciousness. CAIM and Clinical Neuroscience Bern member Prof. Dr. Tobias Nef will participate at the round table talk on 17 March 2022 "Living with dementia", specifically on the role of technology-based therapies.

    Program Brainweek Bern 2022

Swiss Emergency Telemedicine Congress (March 2022)

The third Swiss Congress on Emergency Telemedicine and Digital Health (30 March) will feature a session on ethical issues surrounding the introduction of AI into medicine by CAIM Ethics Lab member Prof. Dr. Rouven Porz, Medical Ethics Insel Gruppe.

    Congress website

Stay tuned!