



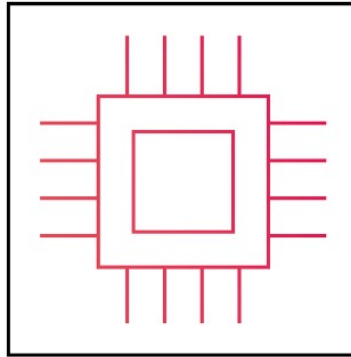
Center for AI in Medicine

Shaping the Digital Future of Healthcare

Mauricio Reyes, Prof. Dr.

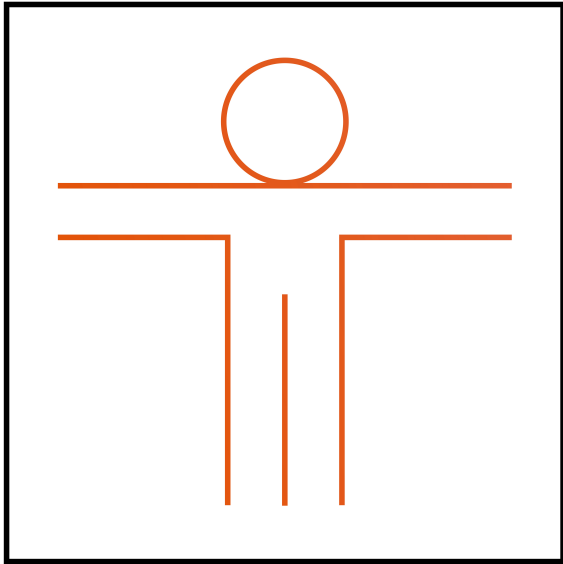
[linkedin.com/in/mauricioreyes/](https://www.linkedin.com/in/mauricioreyes/)

@mreyesag 

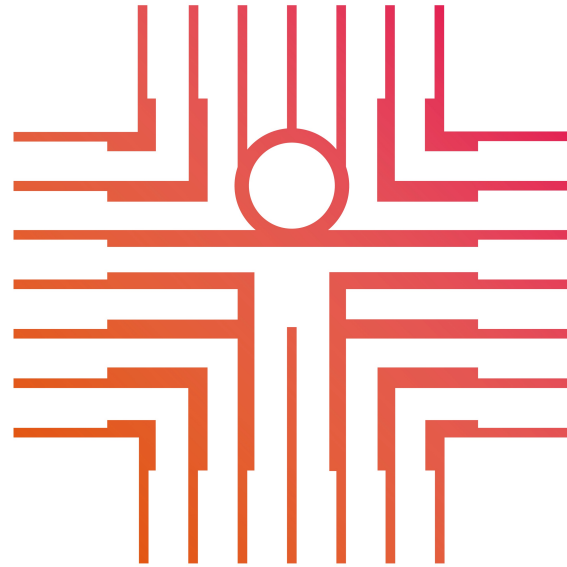


ARTIFICIAL INTELLIGENCE

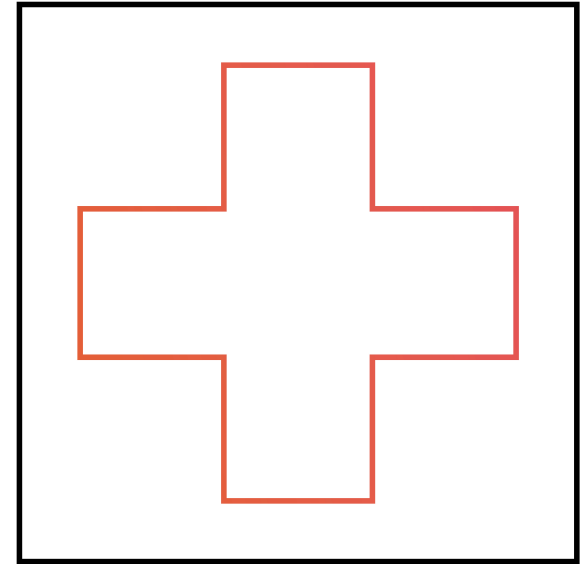




HUMAN



ARTIFICIAL INTELLIGENCE



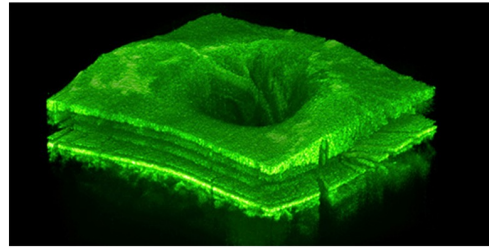
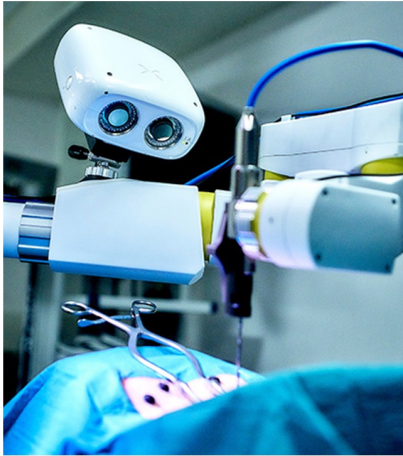
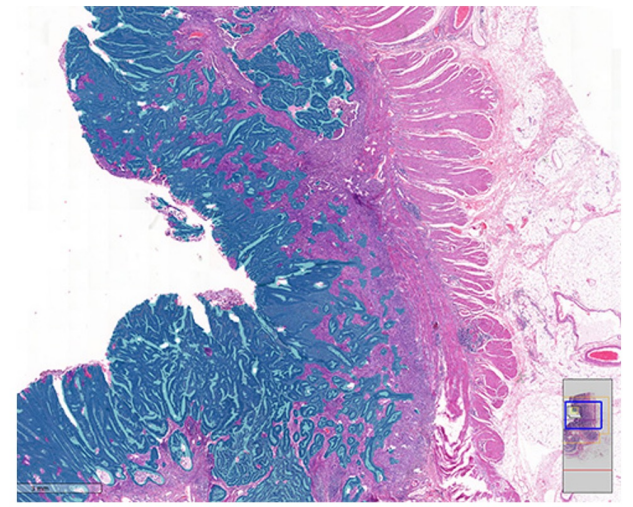
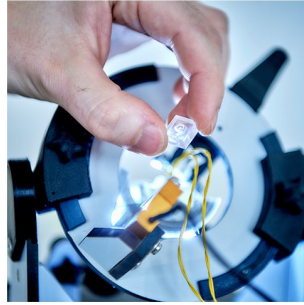
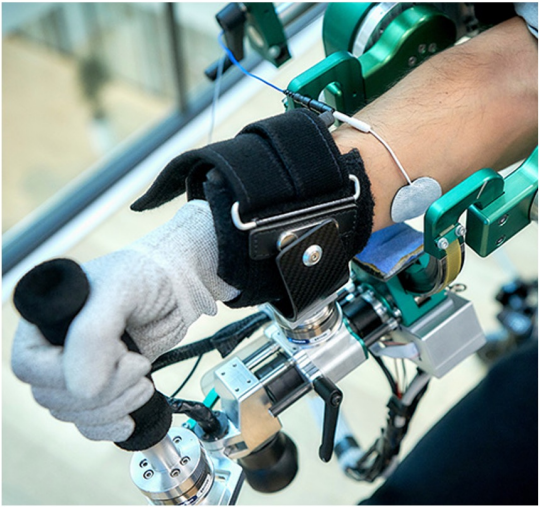
MEDICINE

CENTER FOR ARTIFICIAL INTELLIGENCE IN MEDICINE

CAIM



UNIVERSITY OF BERN
BERN UNIVERSITY HOSPITAL
BERN UNIVERSITY PSYCHIATRY SERVICES
SWISS INSTITUTE FOR TRANSLATIONAL AND ENREPRENEURIAL MEDICINE



Pillar 1



Education

CAIM provides tailored AI in Medicine education for medical doctors and engineers through a portfolio of competitive and purposefully designed programs.

- › Stavroula Mougikakou
ARTORG Center, University of Bern
- › Roland Wiest
Inselspital, Bern University Hospital

Pillar 2



Dissemination

CAIM transmits trustworthy knowledge on AI in Medicine. This supports policy makers, educators and the general public by shaping current debates.

- › Mauricio Reyes
ARTORG Center, University of Bern

Pillar 3

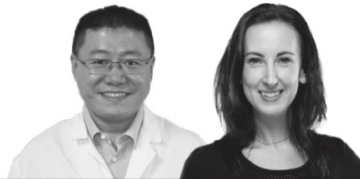


Infrastructure

CAIM facilitates access and availability to computer infrastructure, computational and data resources to support advanced digitalisation and AI research.

- › Alexander Leichtle
Inselspital, Bern University Hospital

Pillar 4



Research Fund

CAIM promotes technological innovation by funding projects with strong clinical breakthrough potential and a realistic pathway towards patient benefit.

- › Kuangyu Shi
Inselspital, Bern University Hospital
- › Inti Zlobec
Insitute of Pathology, University of Bern

CAIM Services



Consultancy



Rapid Validation



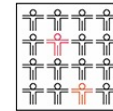
Research Collaboration



Computational Resources



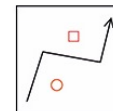
Talent Recruitment



Secondments

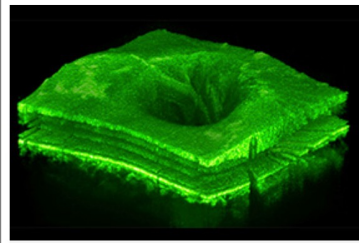


Clinical Translation

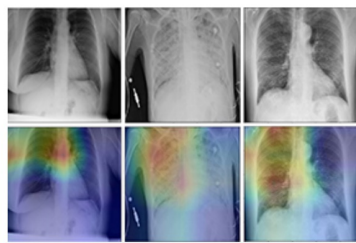


Optimized IP Pipeline

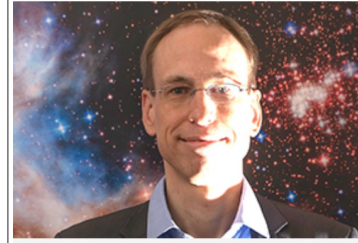
Discover our work and community



AI could soon tell you, how often to see the eye doctor



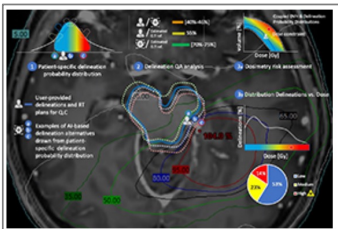
AI X-ray analysis detects Covid-19 more reliably



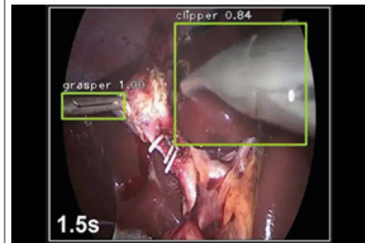
Machine Ethics and Explainable AI



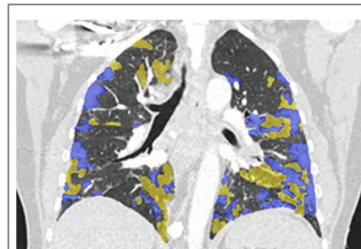
AI and the world's fastest whole-body PET/CT scanner



AI for quality assurance in radiation therapy planning: Project funded



Using AI to assess surgical performance

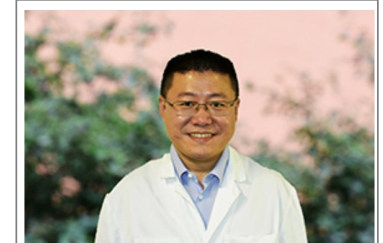


Reliably predicting progression of Covid-19

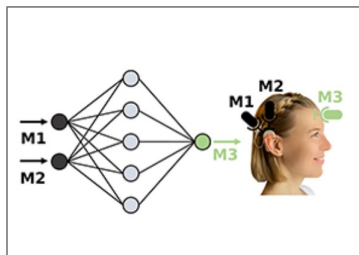


Artificial Intelligence meets Nutrition

"I believe that multidisciplinary work is fundamental to create a complete system that meets user needs," says Maria Vasiloglou, PhD student at the ARTORG AI in Health and Nutrition (AIHN) lab. In an interview with



Unlocking the Potential of Nuclear Medicine



AI improves speech quality for hearing aid users



AI-assisted personalized radiotherapy



Exploring ethical possibilities in a new space

Why do I trust my smartphone but not AI with my health? Rouven Porz is medical ethicist at the Inselspital,



AI in Medicine - What Doctors need to know

...and many more

7 September 2021

Center for AI in Medicine:
Shaping the Digital Future of
Healthcare
Mauricio Reyes

8 September 2021

Research at CAIM:
Translating AI into the Clinic
Inti Zlobec
Decision Support Neuro-Medicine
Roland Wiest

9 September 2021

CAIM's master's programs:
AI in Medicine & Biomedical
Engineering (@ARTORG)
Stavroula Mougiakakou



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