



Intelligent Oncology

The Potential of AI to Cure Cancer

Freiburg, Germany | 30.09.2022

Otto-Krayer Haus | 09:00 - 18:00

Symposium "Intelligent Oncology - The Potential of AI to Cure Cancer"

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Abstract:

The Inaugural Symposium "Intelligent Oncology - The Potential of AI to Cure Cancer" will take place in Freiburg, Germany in a few days. The theme of the symposium is AI-assisted cancer research, and the aim is to present the state-of-the-art of cancer diagnosis, prognosis, and treatment with data-driven methods, to identify high-impact research directions. The meeting will bring together leaders from industry and academia to exchange and share their experiences, present research results, explore collaborations and to spark new ideas, with the aim of developing new projects.

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Symposium “Intelligent Oncology - The Potential of AI to Cure Cancer”

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This year in March, the collaborative research institute CRIION (Collaborative Research Institute "Intelligent Oncology") was founded. It represents a bridge between the university profile fields of cancer research and artificial intelligence and data analysis and bundles their expertise to advance medicine in the fight against cancer with the help of state-of-the-art data-driven methods.

On its foundation, the Institute will organize the inaugural symposium "Intelligent Oncology - The Potential of AI To Cure Cancer" on 30 September 2022 in Freiburg/Germany on 30 September 2022.

You can register free of charge on our homepage with the code **JoshaIO**:
www.intelligent-oncology.org/events/

On this day, world-renowned top researchers will give an insight into the latest state-of-the-art cancer diagnosis:



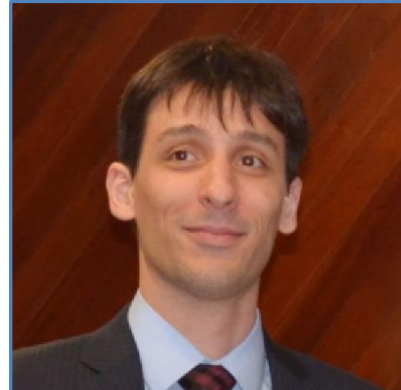
Predicting adaptive immunity using systems immunology and machine learning

Dr. Victor Greiff
University of Oslo, Norway



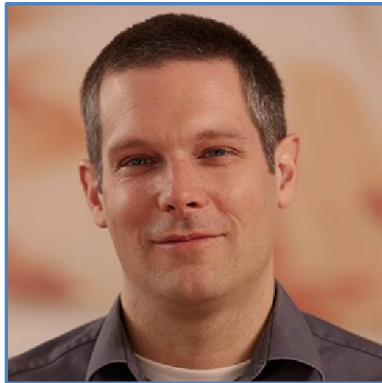
Clinical intelligent systems in the wild?

Prof. Lena Maier-Hein
German Cancer Research Center Germany



Philosophy of AI for health

Dr. Ignacio Mastroleo
University of Buenos Aires, Argentina



**Droplet microfluidics
in antibody discovery
and personalized
cancer therapy**

Prof. Christoph Merten
EPFL, Switzerland



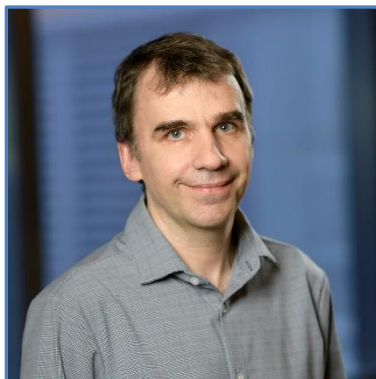
**AI in hematology:
computer vision and
machine learning for
improved diagnosis
and risk stratification**

Dr. Jan Moritz Middeke
University Hospital
Dresden, Germany



AI in cancer genomics

Dr. Quaid Morris
Memorial Sloan Kettering
Cancer Center New York,
USA



**Towards clinical
decision support in
oncology: Data
integration, outcome
models, and intuitive
software**

Dr. Nikolaus Schultz
Memorial Sloan Kettering
Cancer Center, USA



**Dissecting intra-tumor
heterogeneity by
single cell RNA-seq**

Dr. Itay Tirosh
Weizmann Institute, Israel



**SIMON says:
Deciphering the
human immune
responses using
machine learning**

Dr. Adriana Tomic
University of Oxford,
United Kingdom