

VIRTUAL EVENTS

CONTRIBUTION TO „UROLOGY 2030“ WEBINAR OF DGU CONGRESS |

October 10, 2020 | virtual

During the Post-DGU-Online-Weeks – an extended program of this year’s congress of the German Society of Urology (DGU), Andreas Melzer chaired the sessions of the fifth theme week on the topic “Urology 2030”, which attracted about 150 participants. He himself also gave a lecture on modern radiology – is it already a one-stop-shop?

POST-BEST-OF DGU 2020 Poster ©DGU e.V.



PRESENTATION OF STUDY RESULTS ON TUMOR TISSUE |

December 2, 2020 | virtual

Marianne Maktabi from the Intraoperative Multimodal Imaging (IMI) group took part at the 14th virtual European Colorectal Congress of St.Gallen. There, she introduced the preliminary results from a current pilot study involving the technology of non-invasive hyperspectral imaging (HSI) in front of the international professional community. The research focuses on tumor tissue differentiation of colorectal tissue with the help of a HSI-camera.

[Link to project](#)



PARTICIPATION AT SMIT |

December 3 – 10, 2020 | virtual

Andreas Melzer in his function as General Secretary of The International Society for Medical Innovation and Technology (ISMIT) opened the 32nd Conference organized online from Chicago with nearly 800 participants and he presented MRgFUS Technology. In addition, he opened the session on future perspectives of robotic surgery. Furthermore, Denis Gholami Bajestani presented [his research](#) on the Development of In-Vitro Vessel Phantoms for MRI-Guided Interventions. Martin Reich’s [contribution](#) focused on the Developing of An Intuitive And Feasible Setup For In-Room Control During MRI-Guided Interventions. Michael Unger introduced [his work](#) on the Robot-Assisted Ultrasound-Guided Tracking Of Anatomical Structures For The Application Of Focused Ultrasound.



RESEARCH & PROJECTS

ICCAS FACILITATES THE WORK OF THE POSTSTROKE MANAGER PROJECT

December 2020 | virtual

Within the scope of the PostStroke Manager Project, neurologists, computer scientists and general practitioners are working jointly to set up a digital mobile system for the sustainable support for stroke patients. The project is funded by public funds of the Free State of Saxony within the scope of the guideline “eHealthSax” for a time frame of 3.5 years. In total, the budget for the project amounts to nearly 2 million Euros. [Project website](#)



PROJECT KAIT OFFICIALLY STARTED |

November, 2020 | virtual

Janssen Cilag Deutschland wants to improve the treatment of blood cancers through the use of artificial intelligence (AI). To this end, the research-based pharmaceutical company has initiated a research project in which the ICCAS and the Clinic for Hematology Cell Therapy and Hemostaseology at Leipzig University Hospital are the leading technology partners. Together they are pursuing the goal of developing an AI-based digital health platform for therapeutic decision support for patients with complex blood disorders. The platform, called „KAIT“, will be accessible to physicians in clinics and practices and provide them with evidence-based suggestions for individualized therapy strategies.



REPORTING THE RESULTS FROM THE CONCLUDED SONO-RAY PROJECT |

December, 2020

Scientists from ICCAS and the National Center for Radiation Research in Oncology (OncoRay) in Dresden have been working together for more than three years in the SONO-RAY collaborative project on a novel combination therapy of focused ultrasound (FUS) and ionizing radiation for more effective cancer treatment. The project has been funded by the Federal Ministry of Education and Research with more than six million Euros. The first promising results have been achieved and are summarized in a recent publication.

[Link to paper](#)

[Link press release](#)

PUBLICATIONS

Listing of all publications from 2020 available under: [Link to publications](#)

Title: White Paper on the need for 5G technologies in the healthcare domain

ICCAS assumed a leading role in a newly published White Paper by the 5G Health Association dealing with the application and benefits of processes, components, and mechanisms of 5G technology in the healthcare domain. The publication is a summary of the current working results of the medical expert group 5G Health, to which Thomas Neumuth has been appointed Speaker. You can access their website here. The expert group expects the main benefits of 5G in healthcare to materialize in the fields of hospital management, clinical department operations, and emergency response.



[Link to paper](#)

MEDIA

REPORT ON IT APPLICATIONS BASED ON ARTIFICIAL INTELLIGENCE IN THE MEDICAL WORLD |

September 23, 2020

Thomas Neumuth reports on how virtual assistants and digital twins advance personalized medicine on the example of ICCAS' research and development activity in the sphere of personalized cancer treatment for the European Hospital online magazine.

[Link to article](#)

INTERVIEW WITH FUTURESAX |

October 21, 2020

On the occasion of Saxony's 3rd Transfer Forum, Thomas Neumuth gave an interview before the futureSAX initiative on the research and transfer activity of ICCAS.

[Link to interview \(German\)](#)

ICCAS AS A MODEL FOR MEDICAL INNOVATIONS MADE IN LEIPZIG |

December 7, 2020

ICCAS was featured in a commentary piece by the GCB German Convention Bureau about the innovation impulses in Leipzig – a prominent medical and congress location.

[Link to article](#)

ICCAS BIDS FAREWELL TO A LONG-STANDING BOARD MEMBER |

Our team extends its gratitude to the long-standing ICCAS board member Prof. Friedrich W. Mohr, for his advisory support over the many years. In his capacity as the former medical director of the Heart Center Leipzig (HZL), he propelled the cooperation between our two institutions.

PEOPLE

ICCAS WELCOMES TWO NEW BOARD MEMBERS FROM HZL |

The ICCAS team welcomes Prof. Gerhard Hindricks and Prof. Michael A. Borger from the Heart Center Leipzig to its Board of Directors. Prof. Hindricks is an expert on cardiac arrhythmias and manages one of the largest European centers for the treatment of arrhythmias at the HZL. Prof. Borger's clinical focus lies in minimally invasive aortic

and mitral valve operation. With the accession to the Board, ICCAS' long-standing, successful cooperation with the HZL will be continued.

[Link to Prof. Hindricks' CV](#)

[Link to Prof. Borger's CV](#)

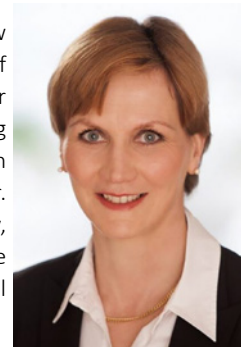
Prof. Dr. med. Gerhard Hindricks (left) and Prof. Michael A. Borger, MD PhD (right). @HZL



ICCAS EMBRACES ITS FIRST FEMALE BOARD MEMBER |

ICCAS is happy to announce another new board member. Prof. Ines Gockel – Head of the Clinic for Visceral, Thorax and Vascular Surgery at the University Hospital Leipzig (UKL) has already been working closely with ICCAS in the capacity of a clinical advisor. Her clinical focus includes surgical oncology, minimally invasive surgery, surgery of the upper gastrointestinal tract, colorectal surgery, and endocrine surgery.

[Link to Prof. Gockel's CV](#)



Prof. Dr. med. Ines Gockel

ICCAS member elected to the board of Biosaxony

Thomas Neumuth has been elected into the Executive Board of biosaxony – Saxony's Biotech and Medtech Cluster, to advise the members with his expertise concerning medicine and technology.

MISCELLANIES



Finally, the ICCAS team wishes everybody a happy Christmas time and a healthy start into the New Year! We thank all colleagues and partners for their great support in this special year 2020!

IMPRINT

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