

HiGHmed SYMPOSIUM | Information about the speakers



Prof. Dr. Roland Eils

has been founding director of the Digital Health Center at Berlin Institute of Health (Charité, Berlin) and the Health Data Science Unit at the Medical Faculty of Heidelberg University since 2018. Moreover, he has been coordinator of HiGHmed Medical Informatics Consortium since 2016 and Chairman of the Management Board at HiGHmed e.V. since 2019.

Prof. Eils studied Mathematics and Informatics at RWTH Aachen and habilitated in Mathematics and Computing at the Heidelberg University. There he held several positions, for example he was Group Head of “Structure & Function in Cell Biology” (1996-1999), Director of Heidelberg Center for Personalized Oncology (2012-2018) and Head of Division "Theoretical Bioinformatics" at DKFZ Heidelberg (2002-2018). From 2011 to 2018 he also was founding and managing director of Heidelberg University's Systems Biology Center BioQuant.

Prof. Eils is a member of the National Academy of Sciences Leopoldina. Furthermore, he has been Coordinator of Data Management and Analysis for three German consortia within the International Cancer Genome Consortium (ICGC) since 2009. From 2014 on he has been co-coordinator of the Heidelberg Excellence center of the German network for bioinformatics infrastructure (de.NBI) and – since 2017 – he has been member of the Organizing Committee of the Human Cell Atlas initiative.

Prof. Dr. Heyo K. Kroemer

has been Chief Executive Officer of Charité – Universitätsmedizin Berlin since September 1, 2019 and Chairman of the Supervisory Board at HiGHmed e.V. since June 6, 2019.



After studying pharmacy and completing his habilitation, he was appointed to the chair of General Pharmacology at the Ernst-Moritz-Arndt-University of Greifswald in 1998, where he also served as dean from 2000 to 2012. In addition, from 2012 to 2019, he joined the University Medical Center Göttingen as Board Member for Research and Teaching and Board Spokesman.

Prof. Kroemer is a member of the National Academy of Sciences Leopoldina. He has been a member of the Scientific Advisory Board of the German Medical Association since 2007 and a board member of the Association of University Hospitals in Germany e.V. since 2020. From 2012 to 2019, he was president of the Medical Faculty Association.



Erik Vermeulen

assists health organizations in realizing their strategic ambitions leveraging data and technology. This means virtual care, health platforms, big data, artificial intelligence and the Internet of Things. Together with a team of experts he provides health organizations strategic insight and execution power leveraging in depth knowledge of health care operations and advanced technology.

Erik leads the EY Health Consulting team in The Netherlands and is EY Global Solutions Leader for Smart Hospitals and Connected Health Cloud. Erik studied Information Management at Tilburg University in The Netherlands and has been

working at EY Netherlands firm since 2014. He previously worked as a consultant at a leading system integrator. Erik has 15 years of experience in Health Consulting and 25 years in Technology Consulting.

Dr. Jordi Piera-Jiménez

is Director of the Digital Health Strategy for Catalonia at the Catalan Health Service. He previously held positions of Senior Director of Health Information & Innovation at the American Health Information Management Association and was CIO and R&D Officer at Badalona Serveis Assistencials. He is associate professor and researcher in digital health and integrated care.



Title

“The Digital Health Strategy for Catalonia: the role of openEHR and FHIR in the construction of the new EHR”

Summary

Catalonia has put in place an ambitious Digital Health Strategy that aims to position its information systems and technologies in healthcare for the coming future. During this presentation, the main aims and characteristics of this strategy will be outlined with special focus on the construction of the new Electronic Health Record (EHR). Attendees will be able to learn about the role of openEHR and other terminology standards in the process of normalization of the EHR. The role of the standards devoted to the persistence of data and those to ensure interoperability will be discussed.

**Bjørn Næss**

has been working with openEHR in DIPS since 2010. For the first ten years he was a product owner for the core openEHR platform. Since 2020 he has been the head of a department developing clinical applications using openEHR and tooling.

He is educated as physiotherapist and holds a Master of Science in Communication Technology. According to him working with openEHR is a perfect balance between clinic and technology. He is a member of specification editorial committee and CIC board of openEHR.

Title

“openEHR, FHIR and eHealth solutions in Norway”

Summary

DIPS has 30+ years of experience building EHR and patient administrative systems. Furthermore, DIPS has 10+ years of experience with openEHR. In this talk we will share the status of eHealth in Norway with focus on the openEHR and FHIR related domains.

DIPS has developed integration specifications through all years. From EDIFACT, HL7 (2,3,4,4), national specifications and so on. We know the cost of making integrations. Our vision and goal with openEHR were shared information models to lower integration cost. Did we succeed? Did Norway succeed?

Screening for colorectal cancer is a national project. DIPS developed openEHR models. The national project developed FHIR models. We are in the process of mapping. What's the experiences working with such complex models? We will give an insight of the modelling work and the status for this.

Professor Rachel Dunscombe

is CEO of the NHS Digital Academy, Principal at Tektology and strategic advisor to the NCA Salford NHS Group. She provides advisory services to the Secretary of State for Health in the UK, is the health care representative on the UK government AI council and is associate digital editor for the BMJ.

Through her academic work Rachel has received a visiting professorship at Imperial College, London. Rachel is a non-executive director of the Digital Health Society and formerly the Director of Digital for Salford NCA Group which was the NHS's most digitally mature organisation.



Title

“Why you need to think like an engineer: openEHR and FHIR”

Summary

Few health systems have planned or engineered their data. Almost all have allowed price or functionality of systems to dictate how data is stored or recorded. The data landscape looks like a “shanty town” and we need to move to “city planning”. Rachel will look at how openEHR and FHIR fit into town planning and why we need to think like engineers.



John Meredith

is the Head of Application Design at Digital Health and Care Wales. He is a national technical lead for the digital architecture, covering health and social care and the Welsh Clinical Data Repository project. John is also a Doctoral student researching clinical interoperability for the Wales Institute for Clinical Information (WIDI).

Title

“For FOXS Sake!”

Summary

John knows that FHIR and openEHR can work well together and in fact they need each other! But when you combine them with other technologies, you find a route to something more pervasive. John will tell the story of openEHR in Wales, and how it led to a greater understanding of not just clinical data persistence, but to adopting the open platform approach. But it’s not enough to merely adopt an open platform: we have the responsibility to support its evolution to become a digital game changer. Welcome to the FOXS stack.

Patrik Georgii-Hemming

is CMIO at Karolinska University Hospital. He is also a consultant in Clinical Genetics and has a master’s degree in Computer Science. He wrote his PhD thesis on the growth regulation of human multiple myeloma and during his postdoc he was involved in a project studying the role of non-coding RNAs in the regulation of gene expression.

**Title**

“A data-centric approach to digital transformation of healthcare and clinical research”

Summary

Clinicians and scientists draw conclusions from analysis of recorded observations (data). Our strategy for digital transformation is therefore based on a data-centric instead of an application-centric approach. This strategy also informs our view on how and when to use standards like openEHR, FHIR and Snomed CT. In my presentation I am going to put our views on different standards in the context of our work implementing precision medicine at Karolinska.



Tomaz Gornik

is founder and CEO of Better and co-chair of openEHR international. As an experienced manager of teams building world-class software products for more than 30 years, he has always challenging teams to build better software using state-of-the-art technology, architectures and processes. He frequently speaks at event on topics of digital health and IT architectures.

Title

“openEHR and FHIR: a vendor perspective”

Summary

Monolithic and uneconomical electronic health record (EHR) solutions are impeding digital transformation efforts for many healthcare delivery organisations. Consultancies like EY, Gartner Group and Optum report a clear market shift from current, integrated EHR systems to an application ecosystem based on platforms. openEHR is at the heart of future health and care IT architectures, which include a vendor-neutral data layer at the centre, low-code tools to accelerate application delivery and application experiences personalised for the user.