EUROPEAN CAMPUS
ROTTAL-INN

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INSTITUTE OF
TECHNOLOGY DIT

European Campus Rottal-Inn, Pfarrkirchen, Germany

DigiHealthDay-2022

GLOBAL LOOK AT DIGITAL HEALTH -
FROM THE HEART OF EUROPE

11
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2022

WELCOME

TO THE DIGIHEALTHDAY-2022

DigiHealthDay is a recurring series of international educational and research events dedicated exclusively to Digital Health, organized and hosted by DIT-ECRI, consisting of one-day scientific symposium and a series of premeeting workshops, seminars and special guest lectures. The series explores modern Digital Health and its role in tackling global health problems from a uniquely international and interdisciplinary perspective, with a special focus on Digital Health Education.

WELCOME ADDRESSES

Prof. Dr. **Georgi Chaltikyan** (Germany)
Organising Committee Chair

Mr. Klaus Holetschek (Germany)
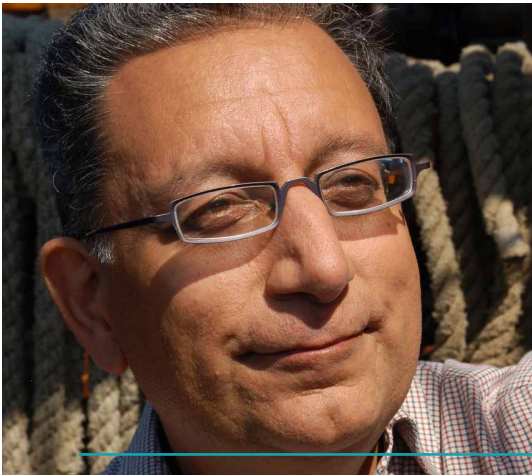Bavarian State Minister for Health and Care; Video Greeting

Mr. Bernd Sibler (Germany)
Bavarian State Minister for Science and Arts; Video Greeting

Mr. Wolfgang Beißmann (Germany)
1st Mayor of Pfarrkirchen

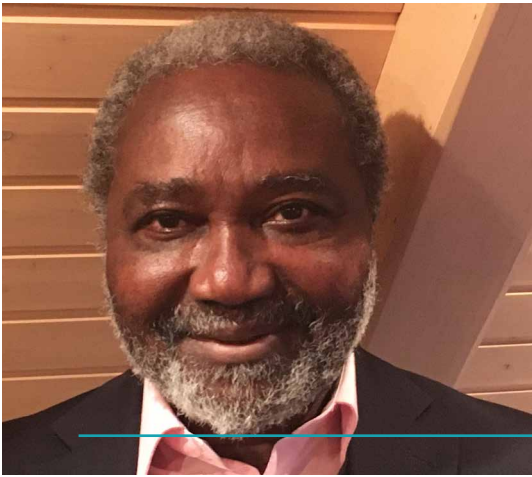Prof. Dr. **Dipak Kalra** (United Kingdom)
International Chair

Prof. Dr. **Horst Kunhardt** (Germany)
Scientific Committee Chair

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Prof. Dr. **Yunkap Kwankam** (Switzerland)
Executive Director of ISfTeH
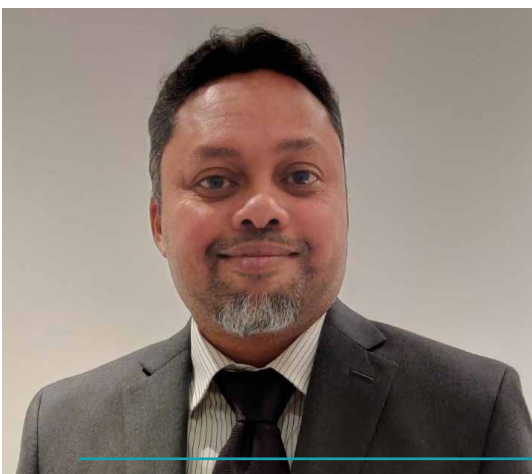

Mr. Wolfgang Beißmann (Germany)
1st Mayor of Pfarrkirchen

Michael Fahrmüller (Germany)
International Chair

Dr. Ryan Alistair Dos Santos (Denmark)
WHO Regional Office for Europe

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PROF. BERND BLOBEL

Prof. Dr. habil. Bernd Blobel was and is still engaged in basic and applied research on EHR, security, privacy, eHealth architectures, interoperability, personalized medicine, telemedicine and biomedical engineering, translational medicine, formal languages, knowledge representation and management as well as ontologies. He was engaged in the EHR and eHealth programs of many countries including Austria, Australia, Canada, Colombia, Denmark, Finland, Ireland, Malaysia, Norway, Peru, Syria, Taiwan, USA, etc. He was and is still engaged in PhD and PostDoc studies at renowned university around the world. Furthermore, he acted and still acts as SPC Chair and Keynote Speaker of international conferences. He is Editorial Board Member of important international journals.

Higher Education
Entering the Magdeburg Institute of Technology (nowadays University of Magdeburg) in 1964 in a highly selective process as Member of the first Special Class for Mathematics, Bernd Blobel studied natural sciences, electrical engineering and cybernetics, theoretical medicine, informatics and medical informatics at the universities in Magdeburg, Halle, Berlin, Leipzig and Dresden. He received university degrees and certificates in electronics (1971), informatics (1971), bio-cybernetics (1974), theoretical physics (1975), biometry and medical informatics (1985), educational theory (1989). He earned a PhD in Physics at the University of Magdeburg with a revolutionary thesis "About the mechanism of information processing and energy transformation in bio-receptors – a general and membrane structure related transducer model" (1976) , a Habilitation (qualification as a university lecturer) in Environmental Medicine at the Medical University Magdeburg with a postdoctoral thesis "Implications of physical environmental factors on health" (1981) as well as a Habilitation in Medical Informatics at the University of Magdeburg with a postdoctoral thesis "Analysis and Design for Secure and Interoperable Distributed Health Information Systems" (2001).

Positions:
Bernd Blobel started his professional life as Head of the Laboratory of Environmental Medicine (1974-81), was appointed as Chief Information Officer (CIO) (1974-2004), became Founder and Head of the Medical Informatics Group (1981-87), Founding Head of Medical Informatics Department, Deputy Director / Acting Director of the Institute for Biometry and Medical Informatics at the Medical University Magdeburg (later on University of Magdeburg, Medical Faculty) (1987-2004). Thereafter he moved as Founder and Head of the Health Telematics Group to the Fraunhofer Institute Integrated Circuits in Erlangen (2004-06). From 2006 until his retirement in 2012 he served as Founder and Head of the German National eHealth Competence Centre (eHCC) at the University Hospital Regensburg (University of Regensburg, Medical Faculty).

PROF. RAJENDRA PRATAP GUPTA

Prof. Rajendra Pratap Gupta is a leading public policy expert and featured amongst the top global experts in Digital Health, he has been instrumental in globally pushing Digital Health. He has been involved in major global initiatives on Digital Health and has held, and currently holds, several key positions in the Digital Health arena. He is a Member of the Guidelines Development Group (Digital Health) at the World Health Organization (WHO), Member of the Global Roster of Experts in Digital Health at the WHO, a Board Member and Chairman of the Capacity Building Workgroup of the International Society for Telemedicine & eHealth (ISfTeH), Member of the Steering Committee of the Global Digital Health Index and a Member of the World Economic Forum Expert Network. He has co-authored the Global eHealth Diffusion report by the World Health Organization, besides having served on the Expert Advisory Group for the ‚Planning Workbook on ICT for Women's and Children's Health' developed by the PMNCH, WHO, IWG & GSMA.

He has been on advisory roles at the WHO for various projects and was invited to the Inter-Ministerial Policy Dialogue on eHealth Standardization and the 2nd WHO Forum on eHealth Standardization and Interoperability – Geneva, 2014. For his global contribution to Digital Health, Prof. Rajendra was nominated by the World Economic Forum on the Global Agenda Council for Digital Health for 2012-2014. He has served as a Medical Advisor to the Mayo Clinic and Noaber Foundation joint venture on

developing Patient Portals and EHRs. He is the man backing many path-breaking initiatives and organizations. He is also the Founder of; HIMSS Asia Pacific India Chapter, Continua India, and the Personal Connected Health Alliance-India, Disease Management Association of India (an organization with a Special Consultative Status with the United Nations Economic and Social Council.

In 2018, he was recognized for his global impact on Digital Health by the Personal Connected Health Alliance (A HIMSS Organization). He was conferred the ‚Global Impact Award' in Boston at the Connected Health Summit. Prof. Rajendra was recognized for his global contribution to healthcare in 2012 by the Sheriff of Los Angeles, named ‚Thought Leader of the Year' three years in a row by ICT Post.

Prof. Rajendra has served at senior-most levels at Fortune 20 & Fortune 500 companies in India and has been invited by the top-most global organizations and government bodies, such as; the United Nations, UNESCO, World Bank, Asian Development Bank, World Health Organization, World Economic Forum, World Trade Organization, International Telecommunication Union and by the Governments of; United States of America, Japan, Algeria, Finland & Bangladesh and the Ministry of Health, Ministry of Human Resource Development, Ministry of Labor and Employment, and The Planning Commission - Government of India, for his views on a diverse range of topics.

He is the author of several reports and five best-selling books - Healthcare Reforms in India - Making up for the lost decades, Your Vote is Not Enough, Your Degree is Not Enough, and Tough Choices & Hard Decisions- Rebuilding India: The Next 25 Years. Digital Health – Truly Transformational
Prof. Rajendra's contributions and career have been chronicled as a case study in global health by the Royal Society of Tropical Medicine and Health for their ‚Grow Global Initiative.'

Currently, he is Chairperson at some of the most influential committees on Digitization viz; the Committee to draft the National Digital Health Standards, the Dynamic Coalition on ‚Internet & Jobs' at the Internet Governance Forum, United Nations, and the Frontiers of Development Symposium hosted by the Royal Academy of Engineering on behalf of the Royal Society, The Academy of Medical Sciences, and the British Academy.

In his career spanning over two and a half decades, Prof. Rajendra has served on various government committees and has been the Advisor to the Union Health Minister, Government of India. He has played a key role in drafting the National Health Policy for India. Prof. Rajendra was a key member of the 9-member Committee tasked to draft the National Education Policy 2020 and currently divides his time in public policy initiatives and advisory roles.

DR. ANNE SNOWDON

Dr. Anne Snowdon is a Professor of Strategy and Entrepreneurship at the Odette School of Business, University of Windsor. Dr. Snowdon is leading a national research program focused on the capacity of health supply chain to enable health system responses to the COVID19 pandemic in seven Canadian provinces. This research builds on a well established program of research focused on healthcare supply chain, and health system innovation to achieve sustainability, economic value and productivity by providing support for innovators and entrepreneurs to successfully bring their discoveries to the Canadian, U.S. and world markets.

Currently, Dr. Snowdon is the Vice Chair of the Board of the Directors for Alberta Innovates, and member of the Health Futures Council of Arizona State University (ASU), and the Chief Scientific Research Officer for HIMSS. She is an Adjunct Faculty at the Department of Computer Science at the University of Windsor, the School of Nursing at Dalhousie University and the Centre for Innovative Medical Technology (CIMT), at the University of Southern Denmark.

Dr. Snowdon has published more than 150 research articles, papers and cases, has received over $22 million in research funding, holds patents and has commercialized a highly successful booster seat product for children traveling in vehicles and is a Fulbright Scholar. She holds a PhD in Nursing from the University of Michigan, an MSc from McGill University, and BScN from Western University.

PROF. SARAH WAMALA ANDERSSON

Prof. Wamala Andersson´s research focus on the implementation of health and welfare technology and digital solutions in health and social care systems from a user perspective. Sarah is the founder and leader of Research group: PREVIVE Health and Welfare Technology Research Group (Policy, Reimbursement, Evidence, Implementation, Value and Effectiveness in Health and Welfare Technology interventions), hosts monthly international research webinar series in Health and welfare technology and has co-founded the international network - Evidence-based ecosystem Health and welfare technology.

Sarah has long experience in health systems at both national and international levels. Sarah leads several research projects, has published widely and has supervised several PhD students to final dissertation. Sarah is a scientific expert and advisor in several international research-related initiatives.

Sarah has a multi-professional experience that include serving as; Director General, Swedish National Institute of Public Health, Professor of health policy and management at Karolinska Institutet, Principal Research Scientist at a multi-national pharmaceutical company, Global health care thought leader at Centre for Health Innovation, USA and as Director of health promotion and disease prevention at Region Stockholm.

Sarah has multi-disciplinary academic training that includes; a PhD in public health sciences from Karolinska Institutet, Master´s degree in biostatistics and epidemiology from Stockholm

university, Bachelor´s degree in Economics from Makerere University and further post-graduate training in epidemiology and health economics from Cambridge School of Public Health (UK), Tufts University (USA) and Stockholm School of Economics. Sarah has completed a Post-doc at the University of Otago, Wellington School of Medicine (New Zealand), and the Stanford Executive Program at Stanford Business Graduate School (USA).

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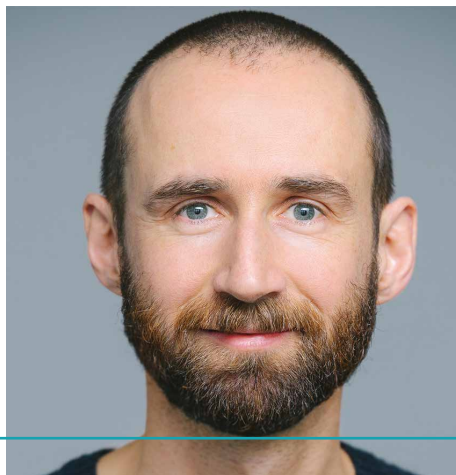Global Look at Digital Health
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SPEAKERS
IMPULSE TALK

DR. RYAN ALISTAIR DOS SANTOS

Ryan Dos Santos worked for many years leading Information Technology management in some of the largest companies in Guyana, South America. In 2008 he joined PAHO/WHO in the Americas. First in IT, then increasingly in Digital Health and health systems development at the county level, including digital health strategy development and platform implementations. He has a background in computer science and eHealth management.

ARTUR OLESCH

Artur Olesch is a Berlin-based freelance journalist and correspondent for digital health-related topics. He is the founder of aboutDigitalHealth.com and editor-in-chief of ICT&Health International and OSOZ News. An author of and 500+ articles and health-IT reports, content writer, an influential voice on social media. He mentors startups and guides healthcare organizations aiming to develop digital strategies.

Artur discovered his passion for digital health while working for one of the largest healthcare software providers in Central and Eastern Europe. As a correspondent of the most important conferences in healthcare, Artur describes technological, scientific developments in medicine and their impact on the health and well-being sector today and in the future. Artur works with healthcare and IT organizations like HIMSS, WHO, Copenhagen Institute of Future Studies

SPEAKERS
IMPULSE TALK

DR. GEORG MÜNZENRIEDER

Dr. Georg Muenzenrieder has held various positions in the Bavarian ministerial administration after completing his training as a fully qualified lawyer and obtaining his doctorate in 2009.

Since returning from a secondment to the Federal Foreign Office to the Permanent Representation of the Federal Republic of Germany to the EU in Brussels, he has been Head of Division for fundamental issues of digitalization in health and care, future and innovation projects in the Bavarian State Ministry of Health and Care since 2017.

Since 2019 he has also been chairman of the federal and state working group on digitalization in the healthcare sector and chairman of the gematik advisory board.

Since 2020, in addition to his work as a head of unit, he has also been deputy head of the division for cooperation with relevant institutions as part of the Corona Pandemic Task Force of the Bavarian State Ministry of Health and Care until July 2022.

DR. MARTINA RIMMELE

Dr. Martina Rimmele holds a PhD in Microbiology, after graduating in Molecuar genetics, behavioral biology and microbiology. She engaged in RNA functions research as a Post doc at Harvard Medical School, Boston, and NYU Medical Center, New York from 1995 until 1998. From 1998 to 2008 she was Head of the Department Aptamers at the start-up RiNA Netzwerk RNA Technologien in Berlin, exploring with her team the basics and properties of RNA molecule tools as aptamers. From 2008 to 2015 she proceeded in the pharmaceutical company for phytomedicine Bionorica SE as Medical Manager and later Team Lead Medical Marketing.

Martina missed immersing directly in applied medical research, so from 2016 to 2017 she went back into science and applied and expanded her knowledge as Senior Researcher Nutrition Medicine and Oncology at University Clinic Erlangen. From 2017 to June 2020 she coordinated the clinical trial project TIGER "Transsectoral Intervention program for improvement of Geriatric care in Regensburg".

TIGER, a health care research project at the University Erlangen-Nürnberg, explored the conditions and improvement of transitional and integrated care from hospital to home for older patients. She proceeded in health care research as Senior Research Associate in the Bavarian Health and Food Safety Authority, Health Services Research- Coordination Office eHealth in July 2020. Within this position she is, among other research projects advancing digital health in Bavaria, Germany and Europe, actively engaged in the EU project JADECARE "Joint Action on implementation of Digitally Enabled integrated person-centred CARE" since October 2022.

Martina is member of the European networks "Healthier together-EU non-communicable diseases initiative", "EIP on AHA", "Healthcare in cross-border regions", "Profiling and training the health care workers of the future", „Climate and health education in Europe", among others.

FLORIAN OBERHOFER

As Senior Manager Marketing & Sales at SHL Telemedizin GmbH, Florian Oberhofer is on a mission to educate and encourage healthcare professionals to deliver better results by utilizing telemedicine. Headquartered in Munich, SHL Telemedizin GmbH helps health insurance companies as well as resident physicians to leverage know-how and technology to deliver better healthcare through telemedicine.

Before joining SHL, Florian has built a career as a commercial advisor to healthcare professionals. For more than a decade, he ran Dent Med Pharm Oberhofer Consulting GmbH – a boutique consulting firm dedicated to unburden registered doctors in fields such as business planning, hardware, software, tax, law and others. Moreover, he previously served as a commercial manager of a primary care practice for several years, taking charge of all non-medical aspects.

Having studied at the Deggendorf Institute of Technology, formerly known as FH Deggendorf, himself, Florian is no stranger to the location. However, he completed his diploma in Business Administration at the Hochschule München University of Applied Sciences.

Florian is excited to re-visit the Campus and share some of his insights and experiences.

PROGRAMME

8:30 - 9:00 am	OPENING AND WELCOME ADDRESSES Host – Prof. Dr. Georgi Chaltikyan (Germany) Organizing Committee Chair

Klaus Holetschek (Germany)
Bavarian State Minister for Health and Care

Michael Fahmüller (Germany)
Landrat, Rottal-Inn

Wolfgang Beißmann (Germany)
1st Mayor of Pfarrkirchen

Prof. Dr. Dipak Kalra (United Kingdom)
International Chair

Prof. Dr. Horst Kunhardt (Germany)
Scientific Chair

Dr. Ryan Alistair Dos Santos
WHO Regional Office for Europe

Prof. Dr. Yunkap Kwankam (Switzerland)
Executive Director of ISfTeH

9:00 - 11:00 am	Morning Plenary Session Host – Prof. Dr. Georgi Chaltikyan (Germany)

Keynote:
Modeling, Developing and Implementing
Transformed Health Ecosystems
Speaker: Prof. Bernd Blobel (Germany) ONLINE

Keynote:
Digital Health For All by 2028
Speaker: Prof. Rajendra Pratap Gupta (India) ONSITE

Keynote:
The Role of Digital Transformation in
Advancing Health System Performance.
Speaker: Dr. Anne Snowdon (Canada) ONSITE

Keynote:
Digital Health technologies, Health Technology
Assessment (HTA) and reimbursement issues and
research agenda from usability perspective.
Speaker: Prof. Sarah Wamala Andersson (Sweden) ONLINE

11:00 - 11:15 am	Coffee Break
11:15 - 1:00 am	Parallel Sessions*

EFMI Session Host: Prof. Dr. Lars Lindsköld (Sweden)	Scientific Session Host: Prof. Dipak Kalra (UK)	Student Session Host: Prof. Dr. Horst Kunhardt

1:00 - 2:00 pm	Lunch Break
2:00 - 4:30 pm	Afternoon Plenary Session Host: Prof. Horst Kunhardt (Germany)

Impulse Talk:
The first WHO Regional Digital Health
Action Plan for Europe
Speaker: Dr. Ryan Alistair Dos Santos (WHO-EURO) ONLINE

Impulse Talk:
Digital health innovations 2022/2023 without
makeup. advances, setbacks and outlooks.
Speaker: Artur Olesch (Germany) ONLINE

Impulse Talk:
Health data as the key to future-oriented,
data-based care, policy governance and research
Speaker: Dr. Georg Münzenrieder (Germany) ONSITE

Impulse Talk:
Digitally enabled integrated personcentered care:
Transfer and adoption of good practices in different
European contexts in the JADECARE Joint Action
Speaker: Dr. Martina Rimmele (Germany) ONSITE

Sponsor Talk:
Breaking Barriers to better healthcare –
How Telemedicine helps to overcome obstacles
Speaker: Florian Oberhofer (SHL Telemedizin, Germany) ONSITE

4:30 - 4:45 pm	Coffee Break

4:45 - 5:45 pm	Panel Discussion Host: Prof. Georgi Chaltikyan (Germany) Panelists: ONSITE

DigiHealth-AI Quo Vadis: How to Make AI Safe, Efficient,
Ethical, Explainable, and Accountable?

Prof. Rajendra Pratap Gupta (India), Prof. Anne Snowdon (Canada),
Prof. Martin Gerdes (Norway), Dr. Georg Münzenrieder (Germany),
Mr. Dmitry Etin (Austria)

5:45 - 6:00 pm	Wrap-Up and Closure Host: Prof. Georgi Chaltikyan (Germany)

11:15 - 1:00 am	Parallel Sessions*

**The European Federation for Medical Informatics
(EFMI) Session ONLINE**
Host: Prof. Lars Lindsköld (Sweden)

To Know what is to know how.
Why informatics is needed today more than ever!
Speaker: Prof. Lars Lindsköld (Sweden)

EFMI AC2 Initative. Accrediting Academic Programems in
Biomedcial and Health Informatics
Speakers: Prof. John Mantas (Greece), Dr. Catherine Chronaki (Greece)

An update around International Education
recommendations in Biomedical and Health Informatics
Speaker: Prof. Kaija Saranto (Finland)

European and international collaboration and shared
learning , why it´s so important at this time
Speaker: Dr. Jodie Croxall (UK)

Wrap-up and Discussion

Scientific Session ONLINE
Hosts: Prof. Dipak Kalra (UK)

Clinical Decision Support for Early Diagnosis and Thera-
py Support of Wilson's Disease Using Medical Software
Algorithms in Private Practice and Smartphone App-based
Management Support
Speaker: Christian Prinz ONLINE

The future of medicine and the logic of data management
Speaker: Ozar Minster ONSITE

Bias: The Achilles Heel of Artificial Intelligence
Speaker: Fara Aninha Fernandes ONSITE

Informational analytical representations of the
magnetoelectrochemical theory of life and health
Speaker: Ganna Nevoit ONLINE

A novel way to approach social responsibility
within healthcare innovation programs.
Speaker: Tamsin Holland Brown ONLINE

Telesonouroflowmetry - A Potential Digital Health
Strategy in Rural and Remote Communities
Speaker: Emmanuel Abara ONLINE

Student & Young Scientist Session ONLINE
Host: Oscar Blanco (Germany)

Telemedicine and Remote Health Care
Speaker: Charles Umeh ONLINE

How does a Small Medium-sized Enterprise create value
for the UK NHS?
Speaker: Michael Watts ONLINE

Predicting dengue in the Philippines using artificial
neural network
Speaker: Bryan Zafra ONSITE

Is there a need more Digital Health Education?
Speaker: Jishen Moolamkulam Pfeiffer ONSITE

The Role of Digital Health Literacy for Accessing Health
in Vulnerable People
Speaker: Oscar Blanco ONSITE

PROGRAMME

ROOMS

Session	Virtual Room (Zoom ID)	Campus Room
Welcome Address	86773424820	EC 1.17
Morning Plenary	86773424820	EC 1.17
Parallel Sessions		
EFMI Session	86773424820	EC 1.17
Scientific Session	85051272300	EC 1.07
Student Session	88465722513	EC 0.13
Afternoon Plenary	86773424820	EC 1.17
Panel Discussion Wrap-Up and Closure	86773424820	EC 1.17

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WE WOULD LIKE TO THANK OUR PARTNERS & SPONSORS FOR THE GOOD COOPERATION

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ISfTeH | International Society for Telemedicine & eHealth
Your Global Partner in Digital Health

IMIA
International Medical Informatics Association

DGDM Deutsche Gesellschaft für Digitale Medizin

DGTelemed

EFMI
EUROPEAN FEDERATION for MEDICAL INFORMATICS

BTA Zentrum für eHealth und Medizintelematik

ARMENIAN ASSOCIATION OF DIGITAL HEALTH

ENTDECKEN ERLEBEN GENIESSEN
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DIGITAL HEALTH NEWS

DIGITAL HEALTH SUMMIT 2021

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TEAM

CHIEF ORGANISER

Prof. Dr.
Georgi Chaltikyan

CONTENT & PROGRAMME

Fara Fernandes

Jishen Moolakulam
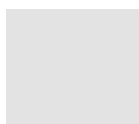
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Hamza Maatouk

Christine Schickhuber

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Samir Irshaid

Christian Roth

MEDIA & DISSEMINATION

Julia Eder

Miriam Bleck

Yasaman Rasouli

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