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| **Time** | **Topic** | **Speaker** |
| 18:00 – 18:30 | Registration |   |
| 18:30 – 18:35 | Welcome note | Dr. H.J.M.M. Mertens, Executive board MUMC+ |
| 18:35 – 18:45 | **Introduction** | Prof. Dr. R.R.J.W. van der Hulst, Head of Department Plastic and Reconstructive Surgery MUMC+ |
| 18:45 – 19:00 | What is big data and how can it transform healthcare? | Parisa Kamali |
| 19:00 – 19:15 | Translating big data research into clinical practice | Prof. Dr. S.J. Lin, Harvard Medical School |
| 19:15 – 19:30 | Big data and cancer care; current state and future perspectives | Prof. Dr. V.E.P.P. Lemmens, Director of Research and Development of the Netherlands Comprehensive Cancer Organization (IKNL) |
| 19:30 – 19:45 | **Coffee break** |   |
| 19:45 – 20:00 | Claims-data; Using available data to transform healthcare | Dhr Bennema, CEO Vektis |
| 20:00 – 20:15     | Big data in Healthcare; the role of industry | Dr. Wischmann, Innovation Program Manager in Philips Research |
| 20:15 – 20:30 | Governance of Big Data in healthcare Big Data and the implications on our privacy | Prof. Dr. Townend, professor of Law and Legal Philosophy in Health, Medicine and Life Sciences, Maastricht University |
| 20:30 – 20:45 | Healthcare Research in theera of GDPR (AVG) | Mr.Rutte, Politician. Member of the House of Representatives (2e kamerlid VVD)(online) |
| 20:45 – 21:15 | **Panel:** how can we collaborate & Q&A |  |

**What is big data and how can it transform healthcare
Dr. Parisa Kamali**

Dr. Kamali will give a global overview on the concept of Big Data and how it can transform healthcare. In her presentation, she will elaborate on the background and provide a comprehensive overview of the different types of big data in healthcare. Moreover, she will elaborate on how big data research is currently transforming healthcare. This will form a bridge and an introduction of the other speakers.

*Bio
Parisa Kamali is currently working as resident Emergency Medicine at the Red Cross Hospital in Beverwijk. After completing her medical education, she worked as a Senior Research Fellow and Ph.D. student at the Department of Plastic and Reconstructive Surgery at Harvard Medical School/BIDMC. Focusing on Big Data research and health disparities both nationally and internationally, Dr. Kamali published more than 30 original articles and presented at multiple conferences. On 17th of April 2019, she will defend her Thesis “Breast Reconstruction: Trends and Variation using Big Data”. Moreover, she is the organizer of the symposium “Transforming Healthcare Through Big Data” that will be held on the 17th of April following the defense of her Ph.D.*

**Translating big data research into clinical practice
Prof. Dr. S.J. Lin**

Prof. Dr. Samuel J. Lin will elaborate on how big data and outcomes research have been used into clinical plastic surgical practice. He will elaborate on the different types of “big data” databases available and how it has been impacting and improving clinical care.

*Bio
Dr. Samuel J. Lin is Associate Professor of Surgery at Harvard Medical School and holds appointments as an attending Plastic Surgeon with Harvard Medical Faculty Physicians at BIDMC and the Massachusetts Eye and Ear Infirmary in Boston, Massachusetts. Dr. Lin serves as Program Director of the Harvard Plastic Surgery Residency Training Program at BIDMC, and he is co-director of the Harvard Aesthetic and Reconstructive Plastic Surgery Fellowship at BIDMC. He serves as the Outcomes Section editor and Associate Editor on the Editorial board for Plastic and Reconstructive Surgery as well as Associate Editor for Plastic and Reconstructive Surgery-Global Open.  Dr. Lin, his team, and his collaborators have regularly published scientific papers in the literature to further knowledge about plastic surgery and other topics. Dr. Lin is an active Board Member of the New England Susan G. Komen for the Cure and Bright Pink Foundations. He is actively involved in innovation, emerging technologies, and entrepreneurship.*

**Big data and cancer care; current state and future perspectives
Prof. Dr. V. Lemmens**

Measuring quality is more popular than ever before. Health care does not escape from this trend: more and more, hospitals and individual healthcare providers are being rated and compared. But does measuring health care lead to better quality of care? In this talk Prof. Dr. Lemmens will elaborate on the relation between quality of care and registry indicators. Moreover, he will touch on how the current era of big data in the form of registries, quality of care indicators and personalized care is transforming cancer care.

*Bio
Prof. Dr. Valery Lemmens is head of the Department of Research & Development of the Comprehensive Cancer Organisation the Netherlands (IKNL). He is a full professor of Cancer Surveillance at Erasmus MC University Medical Centre Rotterdam. He has (co-)authored 270 international peer-reviewed articles, the majority on colorectal cancer. He has worked on several linkage studies such as the Netherlands Cancer Registry (NCR) – PHARMO linkage, and also has extensive experience in studies using pooled European data such as EUROCARE and EURECCA studies. Next to cancer-related research, he has published on the effectiveness of interventions to prevent obesity among adults.*

**Claims-data; Using available data to transform healthcare
Mr Bennema**

In this lecture, Mr Bennema will be touching on how Vektis, the leading healthcare information provider in the Netherlands, is using healthcare claims-data to transform healthcare. What can we do with the currently available data. What are the pittfalls? What is needed to collaborate? How is Vektis using the available data to transform healthcare?

*Bio
Herman Bennema is CEO of Vektis, the leading healthcare information provider in the Netherlands. Mr Bennema is an experienced executive with an inherent strength of improving businesses based on analytical insight. Under his leadership, Vektis evolved from an organization focused on collecting healthcare claims-data to an information provider for the entire healthcare system in the Netherlands. Prior to Vektis, Mr Bennema was boardmember of Solera Netherlands, specializing in automobile related claims. Herman started his career as a technical officer in the Royal Netherlands Airforce after finishing his education at the Royal Military Academie. He also holds a graduate degree in business economics.*

**Big data in Healthcare; the role of industry
Dr. Wischmann**

Royal Philips, together with its consortium partners, have received funding from the EU’s Horizon 2020 program to pilot big data solutions to achieve better patient outcomes in healthcare at a lower cost. The three-year program is the largest EU-funded initiative to transform the region’s healthcare sector through the use of big data. The program aims to improve patient outcomes and increase productivity in the health sector by applying Artificial Intelligence (AI) technologies to complex datasets across the data value chain. This includes data from patients, healthcare providers, health insurers and medical technology providers. Dr. Wischmann will be elaborating on what the role of industry has shifted over the years, and how it is now a major player in the field by using big data to transform healthcare. Moreover, Dr. Wischmann will touch on the future of big data in healthcare.

*Bio
Hans-Aloys Wischmann was born in Germany, studied physics in Cologne and Lyon, and joined Philips almost 28 years ago, immediately after receiving his PhD. He has held a variety of positions within research, the healthcare business, and the CTO office, including a few years of overseeing the Research lab in Suresnes, France. As the Head of Philips Research North America, together with his team, he has moved the lab in 2015 from Briarcliff Manor, NY, to Cambridge, MA – and built collaborations and partnerships in the fascinating and vibrating health-tech ecosystem there. Dr. Wischmann returned to Europe in 2017, and is currently responsible for the research programs in Healthcare Informatics and Population Health Management.*

**Governance of healthcare Big Data and the implications for our privacy
Prof. Dr. Townend**

Technological developments in medicine, life sciences and healthcare raise questions about governance, regulation and ethics. Linking and deep mining medical data offers tremendous opportunities for advances in healthcare. Linking data brings us one step closer to personalized medicine, but also raises questions about the implications for our privacy, our healthcare systems and our personal and collective responsibilities. This lecture will first look at the uses of data across healthcare industry, and particularly consider the possible harms that could follow the use of data. It will then consider those benefits and harms within the two concepts of privacy and property. Finally, it will see how far the current data protection and intellectual property regimes produce adequate safeguards for the various interests that operate in the area.

*Bio
Dr David Townend is Professor of Law and Legal Philosophy in Health, Medicine and Life Sciences in Maastricht University. His theoretical work focuses on the relationship between autonomy and solidarity in relation to health and life science research; politeness and governance; and, on the concepts of privacy and property in research governance. His practical work focuses on data protection and privacy in medical and health research, and on the creation of effective research governance.*

**Healthcare Research in the era of GDPR (AVG)
Mr. A. Rutte**

After four years of preparation and debate in the European Union Parliament, the General Data Protection Regulation (GDPR) came into force in May 2018. The GDPR recognizes that everyone “has the right to the protection of personal data concerning him or her”. The collection and use of our personal data have come under increased scrunity and public attention in recent years, the introduction of GDPR being a prime example. When it comes to medical data, how do we balance protecting patents’ data with the benefits that big data research and combined datasets bring to medical research? Mr. Rutte will discuss the current hurdles from a governmental perspective. (presentation through online ZOOM meeting)

*Bio:
Mr. A. Rutte is a politician and member of the House of Representatives (VVD 2e kamer lid). As a member of the [People's Party for Freedom and Democracy](https://en.wikipedia.org/wiki/People%27s_Party_for_Freedom_and_Democracy%22%20%5Co%20%22People%27s%20Party%20for%20Freedom%20and%20Democracy%22%20%5Ct%20%22_blank) (Volkspartij voor Vrijheid en Democratie) he has been an*[*MP*](https://en.wikipedia.org/wiki/House_of_Representatives_%28Netherlands%29)*since 20 September 2012. Prior to this, he was a member of the [municipal council](https://en.wikipedia.org/wiki/Municipal_council_%28Netherlands%29%22%20%5Co%20%22Municipal%20council%20%28Netherlands%29%22%20%5Ct%20%22_blank) of*[*Groningen*](https://en.wikipedia.org/wiki/Groningen)*from 2010 to 2012. Mr. Rutte is a passionate advocate for Big Data research in Healthcare.*