

# GLOBAL CYBER SECURITY IN HEALTHCARE & PHARMA SUMMIT BLOCKCHAIN IN HEALTHCARE CONGRESS

LONDON, UK

3-4 MAY 2018



Platinum Sponsor



Gold Sponsor



**#GECOSH18**



Global Engage is pleased to announce the **Cyber Security in Healthcare & Pharma Summit** and co-located **Blockchain in Healthcare Congress**, which will be taking place at the Radisson Blu Edwardian, Heathrow in London on 3-4 May 2018.

### Cyber Security in Healthcare & Pharma Summit

The number of cyber-attacks in healthcare is on the rise, and the industry must do more to prevent and respond to these incidents. The Global Cyber Security in Healthcare & Pharma Summit 2018 will bring together high-level representatives from around the globe to create a cyber security roadmap for the future. Attendees will come from all areas of cyber security for the healthcare, medical devices and pharmaceutical sectors. Experts will examine the cyber security landscape in these three industries, with particular focus on strategies for protection and incident response, as well as on business/regulatory considerations. Central to the aims of this event is facilitating collaboration and cooperation amongst the diverse stakeholders that will be in attendance.

### Blockchain in Healthcare Congress

Blockchain is the one of the most talked about technologies of 2017. With the potential exceeding any other to revolutionise the healthcare industry, it is crucial to first understand the nature of blockchain technology, to distinguish the hype from the reality and then to see real-world case studies of how blockchain can be, and is being, applied to healthcare systems. Over two days, the congress will address some of the most achievable possibilities of integrating blockchain within healthcare. Through a mixture of practical workshops, lectures, roundtable and panel discussions specifically designed to help you get to grips with the technology, learn from those already benefitting from blockchain systems and overcome obstacles associated with integration, the congress will help you join the future of the healthcare industry. With enhanced networking sessions, an evening social and a buzzing exhibition room the Congress is one not to be missed!



**+50 Presentations**  
from expert speakers



**+7 Hours**  
of dedicated networking time



**+15 Expert-led**  
roundtable discussions



**Panel Discussions**  
and interactive Q&A



**2-4-1**  
2 Congresses, 1 Registration

## INDUSTRIES

- Hospital & Healthcare Systems
- Medical Devices
- Pharmaceuticals
- Health Insurance

## BUSINESS & REGULATORY CONSIDERATIONS

- Integrating security into corporate strategy
- Policy developments
- GDPR & implications post-Brexit
- Increasing cooperation across groups & countries
- The role of insurance in covering cyber attacks

## NATURE OF THE THREAT

- Examining the cyber security landscape in these sectors
- Current challenges facing each system
  - Healthcare – interoperability; securing medical records; rising IT costs
  - Medical devices – system design; securing post-market devices; standards for manufacturers
  - Pharma – clinical trial data; intellectual property; insider threats

## STRATEGIES & TECHNOLOGIES FOR PROTECTION

- Vulnerability management / breach monitoring & detection
- Best practices – the role of end users; critical infrastructure; improving IAM programmes
- The potential for blockchain, biometrics, tokenization
- Incident response – business continuity & resilience
- Lessons learned from the financial industry
- Case studies



## EXPERT SPEAKERS INCLUDE:



**JIM JACOBSON**

Chief Product and Solution Security Officer, Siemens Healthineers, USA



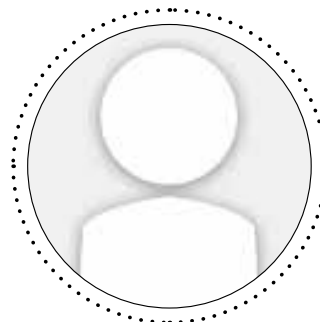
**ROBERT JAMIESON**

Chief Information Security Officer, Mallinckrodt Pharmaceuticals, USA



**CAROLINE RIVETT**

Cyber & Privacy Director, Life Sciences, KPMG London, UK



**ANDREW COYNE**

Chief Information Security Officer, Mayo Clinic, USA

See the full list of speakers on pages 5 & 6

## BLOCKCHAIN TECHNOLOGY, OPPORTUNITY AND CHALLENGES

- Understanding how blockchain will affect healthcare
- What are the most promising application areas for blockchain within healthcare?
- Market overview and trends
- Opportunities and challenges
- Overcoming the hype
- New business models for democratising health
- Blockchain technology and start-ups – where do you get started?

## DRUG SUPPLY CHAIN & TRACEABILITY

- Tackling counterfeit drugs through blockchain transparency
- Blockchain in drug discovery and development
- Blockchain for precision medicine and individualised care

## RETHINKING CLINICAL TRIAL MANAGEMENT

- Utilising patient-generated data through “wearables” and IoT devices
- Distributing patient consent and trial results
- Trial auditing and clinical safety analyses
- Accelerating research/Clinical data sharing

## SECURITY & ACCESS

- Cybersecurity via Data Access Management
- Security doors and accessibility
- Patient and provider identity
- Regulation and intellectual property
- Ownership and storage of data

## APPLYING BLOCKCHAIN TO HEALTH SYSTEMS

- Case studies from existing blockchain systems and trials
- Examining infrastructure, costs and scalability
- Nationwide interoperability
- Designing and executing smart contracts
- Incorporating commercial blockchain solutions
- Blockchain for healthcare records (EHR/EMR)
- Medication prescription blockchain
- Public engagement



## EXPERT SPEAKERS INCLUDE:



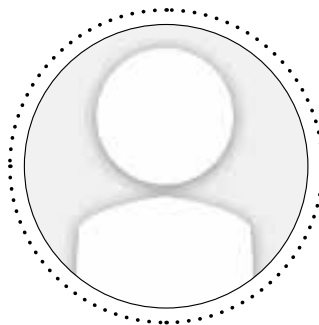
**KATHERINE MERTON**

Head of Johnson & Johnson Innovation, JLABS @ NYC, USA



**ROBERT LEARNEY**

Lead Technologist - Blockchain and Distributed Ledger Technology, Digital Catapult, UK



**DISA LEE CHOUN**

Director, Head Data Acquisition, UCB



**JOHN BASS**

Founder & CEO, Hashed Health

See the full list of speakers on pages 5 & 6

## CONFIRMED SPEAKERS



**RASMUS THEEDE**  
Managing Director,  
DigitalNations, Belgium



**MADIS TIIK**  
Senior Lecturer, Tallinn  
University of Technology,  
Estonia



**ATHANASIOS  
DROUGKAS**  
Officer in Network and  
Information Security,  
European Union Agency for  
Network and Information  
Security (ENISA), Greece



**JANET SCOTT**  
Executive Director,  
Cybersecurity Engineering,  
Merck Sharp & Dohme,  
Czech Republic



**ALAN CALDER**  
Founder and Executive  
Chairman at IT Governance



**MARTINE KERSAINT**  
*(Track Chair)*  
Clinical Engineering  
Manager, Biomedical Clinical  
Engineering - I.S, The Hospital  
of Pennsylvania, USA



**FRANCK  
CALCAVECCHIA**  
Information Security Officer,  
University Hospitals of  
Geneva, Switzerland



**NEIL QUIOGUE**  
Director of Information  
Security, Amgen, USA



**KATRE KUKLASE**  
Chief Information Security  
Officer, Estonian Health  
Insurance Fund, Estonia



**EROL GELENBE**  
Professor in the Dennis  
Gabor Chair, Department  
of Electrical and Electronic  
Engineering, Imperial College  
London, UK



**ROBERT JAMIESON**  
Chief Information Security  
Officer, Mallinckrodt  
Pharmaceuticals, USA



**RAM RAMADOSS**  
Vice President - Privacy,  
Information Security, EHR  
Compliance Oversight,  
Catholic Health Initiatives, USA



**RAMÓN SERRES**  
Head of Information Security,  
Quality and Risk, Almirall,  
Spain



**IVAN SANCHEZ**  
Chief Information Security  
Officer, Sanitas, Spain



**STEVE WILLIAMSON**  
Director, IT Governance,  
Risk & Compliance,  
GlaxoSmithKline, UK



**SHUJUN LI**  
Professor of Cyber Security,  
School of Computing Director,  
Interdisciplinary Research  
Centre in Cyber Security,  
University of Kent, UK



**CAROLINE RIVETT**  
Cyber & Privacy Director, Life  
Sciences, KPMG London, UK



**JASON MEDEIROS**  
Senior Vice President,  
Hosting, American Well, USA



**JIM JACOBSON**  
Chief Product and Solution  
Security Officer, Siemens  
Healthineers, USA



**STEFAN VAN  
GANSBEKE**  
CISO - Director Risk Security  
& Legal, CM-MC - Mutual  
health insurance, Belgium



**MICHAEL MCNEIL**  
Global Product Security  
& Services Officer, Philips  
Healthcare, USA



**WILLIAM HAGESTAD**  
Senior Principal Cyber  
Security Engineer, R&D,  
Smiths Medical, USA

## CYBER SECURITY SPEAKERS



**ANDREW COYNE**  
Chief Information Security  
Officer, Mayo Clinic, USA



**DENISE ANDERSON**  
President, National Health  
Information Sharing and  
Analysis Center (NH-ISAC),  
USA



**GARVAN LYNCH**  
Superintendent Pharmacist,  
Lynch's Pharmacy, Ireland



**KATRINE VEDEL**  
Special Advisor, Health  
Innovation Centre of Southern  
Denmark and Manager of  
Colab Plug&Play, Denmark



**DAVID DOWE**  
Manager, Information Security  
and Privacy, Trillium Health  
Partners, Canada



**RUI GOMES**  
IT Advisor to Administration  
Board, University Hospital  
Coimbra Centre (CHUC),  
Portugal



**MARIA SAUCO**  
*(Track Chair)*  
Change Management Leader,  
Canada Health Infoway



**TONY CLARKE**  
Head of Information Security,  
ICON Clinical Research,  
Ireland

## CONFIRMED SPEAKERS



**ROBERT LEARNEY**  
Lead Technologist -  
Blockchain and Distributed  
Ledger Technology, Digital  
Catapult, UK



**JIM NASR**  
Chief Software Architect,  
Centers for Disease Control  
and Prevention, USA



**RAY-JADE CHEN**  
Superintendent, Taipei  
Medical University Hospital,  
Taiwan



**SEAN MOSS-PULTZ**  
CEO, Bitmark Inc.



**NAVIN  
RAMACHANDRAN**  
Senior Lecturer, Centre for  
Blockchain Technologies,  
University College London, UK



**DIMITRA  
PAPADOPOULOU**  
Founder, German Blockchain  
for Healthcare and Research  
Association



**ADA JONUŠE**  
Co-Founder and CEO, Lympo



**AURÉLIE BAYLE**  
Legal Consultant, be-studys/  
University of Montpellier



**CHRISTINA CZESCHIK**  
Owner, Serapion



**KATHERINE MERTON**  
Head of Johnson & Johnson  
Innovation, JLABS @ NYC,  
USA



**SALLY EAVES**  
Co-Founder & CMO, Project  
Shivom



**NICLAS NILSSON**  
Head of R&D Open  
Innovation, LEO Pharma A/S



**STEFAN WEBER**  
Chief Operating Officer,  
modium.io



**MELEK SOMAI**  
Fellow in eHealth & Research at  
the Centre for Cryptocurrency  
Research & Engineering,  
Imperial College London

## BLOCKCHAIN SPEAKERS



**SÖNKE BARTLING**  
Senior Scientist and Founder  
at Blockchain For Science,  
dkfz - German Cancer  
Research Center, Germany



**JAAN PRIISALU**  
Researcher, Tallinn University  
of Technology, Estonia



**ALAN BROWN** (Reserved)  
Professor of Entrepreneurship  
and Innovation & Head of the  
Department of Digital Economy,  
University of Surrey, UK



**DISA LEE CHOUN**  
Director, Head Data  
Acquisition, UCB



**JOHN BASS**  
Founder & CEO,  
Hashed Health



**ABHIMANYU VERMA**  
Lead - Applied Technology  
Innovation, Novartis,  
Switzerland



**PASCAL BOUQUET**  
Global Head Architecture  
Drug Development, Novartis

GLOBAL CYBER SECURITY IN HEALTHCARE & PHARMA SUMMIT

08:00-08:50 Registration & Refreshments

08:50-09:00 Global Engage Welcome Address and Morning Chair's Opening Remarks:

09:00-09:35



**KEYNOTE ADDRESS:  
ANDREW COYNE**

Chief Information Security Officer, Mayo Clinic, USA  
**Title TBC**

09:35-10:00



**RASMUS THEEDE**

Managing Director, DigitalNations, Belgium  
**Cybersecurity in a connected world**

- The cybersecurity threats for healthcare in 2018 – myths and facts
- Balancing security protection with an innovative business environment
- Relieving the legislative pressure – security vs. compliance

10:00-10:30

**SOLUTION PROVIDER PRESENTATION**

For sponsorship opportunities contact Nick Best at  
Email: [nick@globalengage.co.uk](mailto:nick@globalengage.co.uk)  
Tel: **+44 (0) 743 208 6048**

10:30-11:40 Morning Refreshments / Poster Presentations / One-to-One Meetings

DATA PROTECTION, EHEALTH AND INTEROPERABILITY IN HEALTHCARE & MEDICAL DEVICES

11:40-12:05



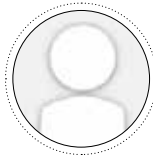
**MADIS TIIK**

Senior Lecturer, Tallinn University of Technology, Estonia  
**eHealth in Estonia - Secure data exchange since 2009**

- Estonian eHealth System is utilizing the benefits of national ICT architecture: PKI infrastructure, secure data exchange environment x-road and clear ownership of the data. Full transparency, opt-out approach and citizens' rights to see all logging information are some of the key-words of Estonian eHealth System.
- Benefits of the national data exchange can come only after integration of all users and acceptance by all stakeholders. This allows to build smart services for citizens and for healthcare providers.
- These developments are very good ground for more personalized medicine. Estonia has all preconditions for successful implementation of personalized medicine – Estonian Genome Bank started giving feedback to donors, we have permissive legislation and trust in society and growing interest among citizens to take more responsibilities.

PHARMACEUTICALS

11:40-12:05



**JANET SCOTT**

Executive Director, Cybersecurity Engineering, Merck Sharp & Dohme, Czech Republic  
**Merck's experience with NotPetya - Title TBC**

BLOCKCHAIN IN HEALTHCARE CONGRESS

11:40-12:05



**SÖNKE BARTLING**

Senior Scientist and Founder at Blockchain For Science, dkfz - German Cancer Research Center, Germany  
At the DKFZ we are working on a Blockchain for healthcare project to define a blockchain infrastructure in permissioned and private environments with distributed heterogeneous and autonomous database systems

BLOCKCHAIN IN HEALTHCARE CONGRESS

08:00-08:50 Registration & Refreshments

08:50-09:00 Global Engage Welcome Address and Morning Chair's Opening Remarks:

09:00-09:35



**ROBERT LEARNEY**

Lead Technologist - Blockchain and Distributed Ledger Technology, Digital Catapult, UK

**Translating Blockchain from Hype to Reality**

09:35-10:00



**JIM NASR**

Chief Software Architect, Centers for Disease Control and Prevention, USA

This talk will outline more about the role blockchain can play in public health outlining the work that the CDC is doing building proof of concept studies for areas such as emergency response, opioid tracking and other areas.

10:00-10:30

**SOLUTION PROVIDER PRESENTATION**

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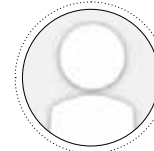
**ATHANASIOS DROUGKAS**  
 Officer in Network and Information Security,  
 European Union Agency for Network and  
 Information Security (ENISA), Greece  
**Security and resilience for eHealth  
 infrastructures and services**

12:05-12:30

- The NIS Directive and what it means for healthcare organisations in terms of security measures and incident notification obligations
- ENISA's work in supporting the implementation of the NIS Directive; NIS posture in the healthcare sector and good practices
- Securing Smart Hospitals: What IoT in tomorrow's hospital mean in terms of security implications, vulnerabilities and threats and good practices to address them

11:40-12:30

Continued



**JAAN PRIISALU**  
 Researcher, Tallinn University of Technology,  
 Estonia  
**Blockchain in Estonian E-Health**

12:05-12:30



**SOLUTION PROVIDER  
 PRESENTATION:  
 ALAN CALDER**  
 Founder and Executive Chairman at  
 IT Governance  
**Implementing a cyber resilient strategy  
 and sustaining compliance with the GDPR and NIS Directive**

12:30-13:00

- An overview of the current cyber security landscape; threats, compliance standards and legislation.
- The role of senior management in ensuring compliance and cyber resilience is a strategic focus.
- Implementing accountability frameworks in line with the GDPR and NIS Directive requirements.
- The role of a robust staff awareness programme in supporting a culture of cyber resilience and compliance.
- Embedding data protection by design and by default and a holistic approach to achieving a cyber resilient posture.



12:30-13:00

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 Tel: **+44 (0) 743 208 6048**

12:30-13:00

**SOLUTION PROVIDER PRESENTATION**

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 Tel: **+44 (0) 743 208 6048**

13:00-14:00

Lunch

**DATA PROTECTION, EHEALTH AND INTEROPERABILITY  
 IN HEALTHCARE & MEDICAL DEVICES**

**Track Chair: Martine Kersaint** Clinical Engineering  
 Manager, Biomedical Clinical Engineering - I.S, The Hospital  
 of Pennsylvania, USA

14:00-14:30

**SOLUTION PROVIDER PRESENTATION**

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 Tel: **+44 (0) 743 208 6048**

**PHARMACEUTICALS**

**Track Chair:**

14:00-14:30

**SOLUTION PROVIDER PRESENTATION**

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 Tel: **+44 (0) 743 208 6048**

**BLOCKCHAIN IN HEALTHCARE CONGRESS**

**Track Chair:**

14:00-14:30



**RAY-JADE CHEN**  
 Superintendent, Taipei Medical University  
 Hospital, Taiwan  
**Patient empowerment and EMR security  
 enhancement using blockchain technology  
 in Taiwan**



DATA PROTECTION, EHEALTH AND INTEROPERABILITY IN HEALTHCARE & MEDICAL DEVICES

14:30-14:55



**FRANCK CALCAVECCHIA**

Information Security Officer, University Hospitals of Geneva, Switzerland  
**Medical devices: safety or security?**

Incidents like WannaCry or NotPetya impacting hospitals' operation shouldn't be

a surprise. The root causes have been well known for years. However a large majority of medical equipments suppliers are still behind. This talk will focus on the challenges that hospitals have to manage that risk with regards to patient life.



**KATRE KUKLASE**

Chief Information Security Officer, Estonian Health Insurance Fund, Estonia

**How to secure data in a connected world**

- Data ownership and accountability
  - Examples from the Health Insurance fund: how to secure data on a national level with different stakeholders
  - Law supporting cyber security
  - Justified access to data
  - Patient empowerment and personal ownership of data
  - Public awareness
- Preventing fraud (healthcare services, prescription drugs, medical devices)
  - Security by design on secure platforms
  - Strong digital identity
  - Online validation, automatic controls, on time access and verification
  - Transparency of data usage
- Securing healthcare in collaboration with stakeholders
  - Collaboration with health care providers and national agencies
  - Distribution of power – not all in one place
  - Example: pacemaker hack 29.08.2017

14:55-15:20

PHARMACEUTICALS

SECURITY ROUNDTABLE DISCUSSIONS SESSION 1:



**Table 1: Network Segmentation**

**JANET SCOTT**

Executive Director, Cybersecurity Engineering, Merck Sharp & Dohme, Czech Republic



**Table 2: Business Continuity & Resilience**

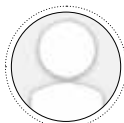
**NEIL QUIOGUE**

Director of Information Security, Amgen, USA

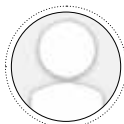
In 2017, a number of global ransomware events

impacted a number of organisations resulting in hundreds of millions of dollars in costs from loss of sales to cost of remediation. With this, resiliency has become a focus area for a number of organisations. Has resilience been discussed within your organisation? What does being resilient mean to you and your organisation? Have you identified all components of your business processes including reliance on third parties? How long will your organisation be able to ship products if your manufacturing is impacted? Join us in this round table to discuss and share your experience in improving resiliency in organisations. We won't solve it in one sitting but this will hopefully spark future discussions and collaboration among our organisations.

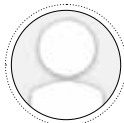
14:30-15:20



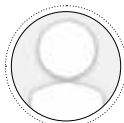
**Table 3: The potential for new technologies**



**Table 4: Incident response**



**Table 5: Integrating Cyber Security in to Corporate Strategy**



**Table 6: Insider Threat Management**

BLOCKCHAIN IN HEALTHCARE CONGRESS

14:30-14:55



**SEAN MOSS-PULTZ**

CEO, Bitmark Inc.

**Protecting your personal health data by turning it into digital property**

- Simple tools for individuals and businesses to generate value from their data.
- Create, transfer, and authenticate digital property.
- Trace ownership and attribution without requiring central authorities or intermediaries.
- Case study with UC Berkeley around personal health data.



**NAVIN RAMACHANDRAN**

Senior Lecturer, Centre for Blockchain Technologies, University College London, UK

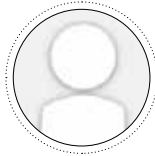
**Blockchain in Healthcare – Scalability and Ownership**

Use of novel scalable distributed ledger technologies in healthcare

14:55-15:20

15:20-16:10

Afternoon Refreshments / Poster Presentations / One-to-One Meetings



**EROL GELENBE**

Professor in the Dennis Gabor Chair, Department of Electrical and Electronic Engineering, Imperial College London, UK  
**KONFIDO Project: Secure and Trusted Paradigm for Interoperable eHealth Services - Title TBC**

16:10-16:35

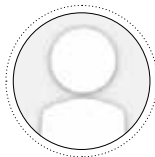


**RAM RAMADOSS**

Vice President – Privacy, Information Security, EHR Compliance Oversight, Catholic Health Initiatives, USA  
**Challenges and opportunities in managing cyber risks**

16:35-17:00

- Outline the resource, technology, awareness and financial challenges among small and medium providers to handle emerging security risks and ransomware attacks
- Explore potential opportunities to help small, medium and even large healthcare providers especially from efficient management of cyber risk program
- Call for an active participation by the board members and audit compliance committees in raising the support and investment required for cybersecurity programs
- Highlight key recommendations from the National Cybersecurity Taskforce formed by the Department of Health and Human Services



**IVAN SANCHEZ**

Chief Information Security Officer, Sanitas, Spain  
**Title TBC**  
 This talk will provide an overview of cyber security strategy development at a large healthcare organization

17:00-17:30



**ROBERT JAMIESON**

Chief Information Security Officer, Mallinckrodt Pharmaceuticals, USA  
**Digital barbarians at the gate: Winning in the age of cyber**

16:10-16:35

What we are doing in cybersecurity today is not working. We are continually being exploited by criminal elements, state sponsored actors, and insiders and are unable to stop them using our current cybersecurity practice/ technologies. It is time that we rethink our current practice and shift our paradigm to win at cybersecurity. The concepts of "active defense" and "offensive countermeasures" include how we rethink everything in our digital systems. This thinking is not about technology; rather it is focused on a complete strategic paradigm shift. This presentation will cover the practical aspects of introducing active defense and offensive cyber-countermeasures into your organization with examples and key takeaways.

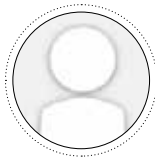


**RAMÓN SERRES**

Head of Information Security, Quality and Risk, Almirall, Spain  
**Lessons learnt from an information security strategy execution**

16:35-17:00

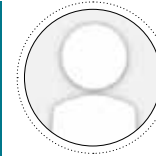
- Background: our company, where we come from in terms of information security
- Security strategy versus security program
- Lessons learnt when tackling the regulatory framework, funding for security, c-level involvement, program execution.



**STEVE WILLIAMSON**

Director, IT Governance, Risk & Compliance, GlaxoSmithKline, UK  
**Title TBC**  
 This talk will focus on defining security controls and compliance in pharma.

17:00-17:30



**ALAN BROWN** (Reserved)

Professor of Entrepreneurship and Innovation & Head of the Department of Digital Economy, University of Surrey, UK  
**Co-operative Models for Evidence-based Healthcare Redistribution (CoMEHeRe) - Title TBC**

16:10-16:35



**DIMITRA PAPAPOPOULOU**

Founder, German Blockchain for Healthcare and Research Association  
**Blockchain, eHealth and the socioeconomic impact**

16:35-17:00

- Patient centric use cases
- Patient involvement and cross sector opportunities
- Future of healthcare and eHealth



**ADA JONUSE**

Co-Founder and CEO, Lympo  
**Title TBC**  
 Monetising and ownership of wearable data

17:00-17:15



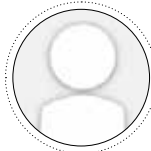
**SHUJUN LI**

Professor of Cyber Security, School of Computing Director, Interdisciplinary Research Centre in Cyber Security, University of Kent, UK  
**Addressing Cybersecurity and Cybercrime via a co-Evolutionary Approach to reducing**

**human-related risks: Healthcare as a use case**

In this talk, the speaker will introduce an ongoing research project funded by EPSRC (Engineering and Physical Science Research Council), which will develop a new socio-technical framework and corresponding software tools for reducing human-related risks. The framework follows a human-in-the-loop and co-evolutionary approach. He will discuss how such a framework can be applied to a healthcare use case, and how people from the health sector may collaborate with the project team.

17:30-18:00



**NEIL QUIOGUE**

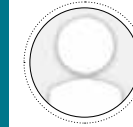
Director of Information Security, Amgen, USA  
**So you've implemented your security programme, now what?**

Your organisation undertook a multi-year effort to implement a security programme.

Now that you are nearly done with the 'Build' phase, you need to move to the 'Run' phase. How ready is your organisation to do 'Run' and continuously improve upon what you have implemented in an ever-changing business environment and cybersecurity threat landscape? In this session, we will talk about some of the lessons learned as an organisation transitioning to the 'Run' phase to help ensure that the programme is sustained for years to come.

17:30-18:00

**BLOCKCHAIN ROUNDTABLE DISCUSSIONS SESSION 1:**



**Table 1: Financing Blockchain**



**Table 2: How to conciliate Blockchain & the right to be forgotten?**

**AURÉLIE BAYLE**

Legal Consultant, be-studys/University of Montpellier

- Blockchain & GDPR
- Can a blockchain contain personal data? (Is the public key a personal data?)
- Who's data controller in the blockchain?

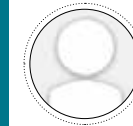


**Table 3: Blockchain for all? Usability and user acceptance**

**CHRISTINA CZESCHIK**

Owner, Serapion

- How can Blockchain move from a niche application to mainstream adoption?
- Which usability issues are the most pressing, and how can they be solved?
- Is it necessary to have a technical understanding of the Blockchain in order to use Blockchain applications in a secure way?



**Table 4: Title TBC**

17:15-18:00

18:00

Chair's Closing Remarks / End of Day 1

18:00-19:00

Complimentary Drinks Reception - **CONTACT NICK BEST ON +44 (0) 743 208 6048 FOR SPONSORSHIP OPTIONS**

GLOBAL CYBER SECURITY IN HEALTHCARE & PHARMA SUMMIT

08:00-08:40 Registration & Refreshments

08:40 Global Engage Welcome Address and Morning Chair's Opening Remarks:



**KEYNOTE ADDRESS:  
CAROLINE RIVETT**

Global Cyber Security Lead for Life Sciences, KPMG, UK

**Malware, resilience, blockchain and the GDPR: Can security enable better healthcare?**

Digital health technology of sensors, apps, blockchain and AI offer the promise of better health and care for chronically sick people. With our ever increasing reliance on systems, data and technologies in health and life sciences, we become more exposed to the impact of poor security, a previous lack of investment in systems and the requirements of the GDPR legislation.

Drawing on her recent experiences as a CISO and security consultant to some of the world's largest pharmaceutical companies, Caroline will explore the security risks to healthcare and life sciences companies and the potential solutions available

08:40-09:15



**JOHN MATTISON** (Reserved)

Assistant Medical Director & Chief Medical Information Officer, Kaiser Permanente, USA

**Blockchain & other promising technologies for cyber security in healthcare**

09:15-09:40

**SOLUTION PROVIDER PRESENTATION**

For sponsorship opportunities contact Nick Best at  
Email: [nick@globalengage.co.uk](mailto:nick@globalengage.co.uk)  
Tel: +44 (0) 743 208 6048

09:40-10:10

10:10-11:20 Morning Refreshments / Poster Presentations / One-to-One Meetings

**CYBER SECURITY STRATEGY**

**SECURING MEDICAL DEVICES**

**BLOCKCHAIN IN PHARMA & PRECISION MEDICINE**

**SOLUTION PROVIDER PRESENTATION**

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11:20-11:50

11:20-11:50

11:20-11:50



**JASON MEDEIROS**

Senior Vice President, Hosting, American Well, USA

**Building an efficient cyber security program in healthcare**

- Understanding your risk
- Gaining insight into what threatens your organization
- Growing a culture of cyberdefense
- Enlisting everyone in the organization
- Employing effective cyber self-defense
- Measuring ongoing effectiveness

11:50-12:25



**KEYNOTE ADDRESS:  
JIM JACOBSON**

Chief Product and Solution Security Officer, Siemens Healthineers, USA

**Practical solutions for mitigating cybersecurity challenges in connected medical devices**

With the rise of sophisticated technologies and software used in connected medical devices, manufacturers are now working vigorously to implement additional safeguards to minimize cybersecurity risks. Until recently, medical device companies haven't planned a comprehensive security program that takes into account the security of the software for the duration of the lifecycle; however, the FDA has recently encouraged medical device manufacturers to collaborate with ethical hackers, those who uncover and rectify vulnerabilities and flaws, to assist in the development and ongoing management of devices which minimize security flaws. While there is no "one size fits all" solution to device cybersecurity, industry professionals will benefit from a greater understanding of common challenges associated with connected medical devices and solutions for fixing them. This presentation will focus on the following cybersecurity related areas:

- The elements of a comprehensive security program
- Overcoming the hidden costs of insecure legacy devices
- Implementing effective vulnerability management
- Information sharing beyond regulatory expectations

11:50-12:25



**KATHERINE MERTON**

Head of Johnson & Johnson Innovation, JLABS @ NYC, USA

**Blockchain start-ups and their integration into the healthcare landscape**

This talk will be a review of blockchain start-ups in the previous three years, examining what they need to succeed and what large corporations (such as J&J) can do to support their growth

11:50-12:25

**SECURITY ROUNDTABLE DISCUSSIONS  
SESSION 2:**



**Table 1: Data security measures to take in a digital world**

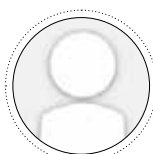
**KATRE KUKLASE**

Chief Information Security Officer, Estonian Health Insurance Fund, Estonia

Where are we moving to with the 4 P-s?

- Participatory – data given by patients over several different devices (pacemakers, smartphones, apps, etc)
- Personalized – specific and varied healthcare options due to data provided by patient
- Preventive – patients aware of their own health, making good decisions
- Predictive – technological progress that enables predictions based on past medical history

12:25-13:15



**MICHAEL MCNEIL**

Global Product Security & Services Officer, Philips Healthcare, USA

**Title TBC**

This talk will focus on key security challenges facing medical device manufacturers, and developing a cyber security strategy that addresses these challenges

12:25-12:50



**SALLY EAVES**

Co-Founder & CMO, Project Shivom

**Project Shivom - A Blockchain-Powered Digital Genome Repository**

12:25-12:50



**Table 2: Title TBC**

**STEFAN VAN GANSBEKE**

CISO - Director Risk Security & Legal, CM-MC - Mutual health insurance, Belgium



**Table 3: Security and privacy implications of blockchain in life sciences and healthcare**

**CAROLINE RIVETT**

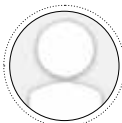
Cyber Security & Privacy Director, Life Sciences, KPMG London, UK

Blockchain is often considered to be secure. But is it? Caroline will lead a round table discussion into some of the security and privacy implications of blockchain and other distributed ledger technologies.

12:25-13:15



**Table 4: GDPR & the relationship between information governance & security**



**Table 5: C-Level Executives Meeting**

This is an exclusive session for CXOs to discuss the most pressing challenges and promising solutions and strategies for maintaining a secure healthcare organization. The meeting will focus on topics such as:

- Deciding which assets to protect
- Balancing business and security needs
- How to facilitate strong end-user security
- Developing an overall cyber security strategy

12:50-13:15



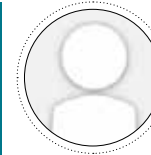
**STEVE ABRAHAMSON**

Senior Director, Product Cyber Security, GE Healthcare, USA

**Title TBC**

This talk will focus on post-market risk management for medical devices

12:50-13:15



**DISA LEE CHOUN**

Director, Head Data Acquisition, UCB

**PhUSE - A Blockchain and Pharma Case Study**

- Understanding the qualities of Blockchain relevant to the Pharma setting and the example of use cases and applications

13:15-14:15

Lunch



**DENISE ANDERSON**

President, National Health Information Sharing and Analysis Center (NH-ISAC), USA

**Collaborative security**

This session will:

- Cover the threat landscape for healthcare
- Show the importance of information sharing and the need for a focus on enterprise risk management
- Illustrate with a case study how organizations through collaboration can quickly stay on top of and mitigate threats.

14:15-14:40



**WILLIAM HAGESTAD**

Senior Principal Cyber Security Engineer, R&D, Smiths Medical, USA

**The future of cyber warfare in healthcare**

Is your company or health service protected against cyber warfare? In an increasingly digital

environment, strong cyber defences are essential to survival. Lieutenant Colonel, USMC (Retired) Bill Hagestad will elaborate on the future of cyber warfare in healthcare and the implications for the medtech industry from a corporate and product point of view. Mr. Hagestad is an internationally recognized and respected authority on cyber warfare having published three books on the topic and currently leads the cyber & information security engineering development for Smiths-Medical.

Objectives:

- To elaborate on the current and future state of play of cyber warfare in healthcare with a focus on the MedTech industry.
- To give a frank assessment of the current preparedness of the MedTech industry and how to cope with future trends.

14:15-14:40



**ABHIMANYU VERMA**

Lead - Applied Technology Innovation, Novartis, Switzerland

**Title TBC**

14:15-14:40

14:40-15:05



**JEFFREY VINSON** (Reserved)  
VP & CISO, Harris Health System, USA  
**Information sharing between government and the healthcare industry - Title TBC**  
This session will:

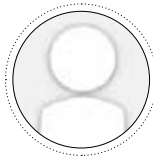
- Cover the threat landscape for healthcare
- Show the importance of information sharing and the need for a focus on enterprise risk management
- Illustrate with a case study how organizations through collaboration can quickly stay on top of and mitigate threats.

15:05-15:30



**STEFAN VAN GANSBEKE**  
CISO - Director Risk Security & Legal, CM-MC - Mutual health insurance, Belgium  
**Title TBC**  
This talk will focus on how to align information security programs with business objectives

14:40-15:05



**GARVAN LYNCH**  
Superintendent Pharmacist, Lynch's Pharmacy, Ireland  
**Integrated security plan for medical device software: scalability and the lifecycle**

- Integrated security plan: key activities to ensure scaling up operations, lifecycle coverage, successful interaction with regulators.
- Six foundations addressing design, risk management, operations, users, incident response, service enhancements, based on a detailed, ongoing regulatory review.
- Security experience from designing the system and interaction with regulators and sponsors on a novel pharmacy patient and medication monitoring service.

15:05-15:30



**KATRINE VEDEL**  
Special Advisor, Health Innovation Centre of Southern Denmark and Manager of Colab Plug&Play, Denmark  
**Interoperability and infrastructure for point-of-care and mobile devices in the patients' own home**

- Learn how Colab Plug&Play – a test and demonstration lab, dedicated to digital healthcare solutions and part of the innovation efforts in the Region of Southern Denmark – engages in public-private collaboration and innovation by utilizing the national infrastructure and standards for interoperability in Denmark.
- Learn how standards and infrastructure components can be used to support both innovation and cyber security at the same time.
- Sounds interesting? - Find out how you can be part of it as well.

**BLOCKCHAIN ROUNDTABLE DISCUSSIONS SESSION 2:**



**Table 1: Incorporating Blockchain into a Pharma Model**  
**NICLAS NILSSON**  
Head of R&D Open Innovation, LEO Pharma A/S



**Table 2:**  
**PASCAL BOUQUET**  
Global Head Architecture Drug Development, Novartis



**Table 3: Blockchain for Pharma/ Medtech Logistics**  
**STEFAN WEBER**  
Chief Operating Officer, modium.io

- Transport in highly regulated environments
- Prescribed and monitored environmental conditions
- Falsified medicines
- Trust and data portability between a multitude of worldwide actors
- Common practical issues and sources of (compliance) excursions and irregularities



**Table 4: Blockchain for Clinical Trials and Life Sciences**  
**MELEK SOMAI**  
Fellow in eHealth & Research at the Centre for Cryptocurrency Research & Engineering, Imperial College London

- What are the opportunities of blockchain/DLTs in Life Sciences and clinical trials?
- What are the bottlenecks (regulation, etc.) that impede blockchain in Life Sciences?
- What are the current use cases in Life Sciences?

14:40-15:30

15:30-15:50

Afternoon Refreshments / Poster Presentations

15:50-16:15



**DAVID DOWE**

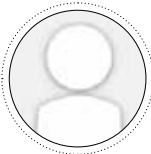
Manager, Information Security and Privacy, Trillium Health Partners, Canada

**Combine and conquer: the benefits of a joint cyber security and privacy office in healthcare**

• This session highlights the benefits organizations can experience by combining cyber security and privacy teams in a single organizational unit. Drawing on three years of combined privacy and security experience at Trillium Health Partners, a large multi-site hospital, this session demonstrates how one security office's expertise has broadened from technical expertise to a more nuanced understanding of the impact of regulations on technical requirements associated with systems sharing personal information.

- In addition, organizations benefit from the enhanced visibility into projects and initiatives which find their way to either to the privacy or security offices, and as a result, can better respond to and manage the risks these projects present.

16:15-16:40

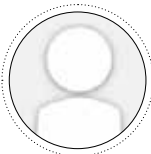


**RUI GOMES**

IT Advisor to Administration Board, University Hospital Coimbra Centre (CHUC), Portugal

**This talk will focus on strategy for protecting critical information infrastructure**

16:40-17:05



**TONY CLARKE**

Head of Information Security, ICON Clinical Research, Ireland

**Cyber simulation and playbooks - the benefit of using these to prepare for incidents such as WannaCry and Petya - Title TBC**

15:50-16:15



**JOHN BASS**

Founder & CEO, Hashed Health

**Blockchain's Promise for Speeding Drugs to Market**

2018 is proving to be a breakout year for blockchain-based solutions for the Life Sciences industry. This presentation will provide a forum to discuss pharma-related use cases that are active within the Hashed Health ecosystem including:

- track & trace
- outcomes data collection
- clinical trials
- reducing the distance between pharma and the consumer
- PBMs
- registries
- value-based / indication-based payments

17:05

Conference Close





**Radisson Blu Edwardian Heathrow,**

140 Bath Road, Hayes  
Middlesex, UB3 5AW, England

The award-winning Radisson Blu Edwardian, Heathrow hotel feels anything but an airport hotel. The grand lobby with glass chandelier, ornate marble staircase and striking Eastern artwork all contribute to a luxury stay. Our bedrooms combine modern comfort with attractive furnishings and the latest technology. The hotel offers three fabulous dining options - Steak & Lobster, Bijou Lounge Bar and Indian restaurant, Annayu; and a tranquil spa, Pegasus.

Ideally located 10 minutes from Heathrow Airport by free public transport or the Hotel Hoppa bus, central London can also be reached in 30 minutes. With Crossrail opening in December 2019, it'll soon be even quicker and easier to reach us.

