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## **The 3<sup>rd</sup> Symposium on Genomic & Precision Medicine, 20<sup>th</sup> June 2024**

**Willoughby Lecture Theatre, Charterhouse Campus, Queen Mary University of London**

### **“Genomics and Multi-OMICS for Precision Healthcare”**

*You are all invited to participate in the third biennial symposium on genomic precision medicine and healthcare. The symposium aims to discuss and explore importance of emerging novel multi-OMICS approaches for in delivering the precision medicine and healthcare. Renowned global Faculty will deliver the excellent programme including the Professor Sir David Weatherall Oration (2024). The conference is held in person hosted by the William Harvey Research Institute, Queen Mary University of London, England. UK.*

#### **Programme**

<b>0930</b>	Welcome/ Registration Tea/ Coffee
<b>1000</b>	<b>Introduction</b> <i>Professor Dhavendra Kumar, WHRI, QMUL, UK</i> <i>Medical Director, Genomic Medicine Foundation UK</i> <i>Chair- Programme &amp; Organising Committee</i>
<b>1015</b>	<b>Session I: Genomic and OMIC technologies</b> <b>Chair: Professor Patricia Munroe, WHRI, QMUL, UK</b> <ul style="list-style-type: none"> <li>• ‘Genomics and Multi-OMICS testing in NHS Genomic Laboratory’ <i>Prof Mike Hubank, NHSE North London Genomic Laboratory, UK</i></li> <li>• Pathogen genomics in multi-OMICS healthcare’ <i>Prof. Tom Connor, Pathogen Genomics Unit, NHS Wales, Cardiff</i></li> <li>• ‘The importance of artificial intelligence/machine learning in the multi-OMICS medicine’ <i>Dr. James Timmons, WHRI, QMUL, London, UK</i></li> </ul>
<b>1130</b>	<b>Tea/ Coffee</b>
<b>1150</b>	<b>Session II: Scope of the Multi-OMIC Medicine</b> <b>Chair- Prof. Panos Deloukas, Director, WHRI, QMUL, UK</b> <ul style="list-style-type: none"> <li>• ‘Elements and Challenges for the Multi-OMICS Medicine’ <i>Professor Matt Brown, Chief Scientist- Genomics England, UK</i></li> <li>• ‘Multi-OMIC approaches for drug target discovery and repurposing’ <i>Prof. Maik Pietzner, Precision Healthcare Unit, QMUL, London, UK</i></li> <li>• ‘Pharmacogenomics in the Multi-OMICS practice of Medicine’</li> </ul>

*Professor Sir Munir Pirmohamed, Univ. of Liverpool, England, UK*

1300

**LUNCH**

1345

**Session III: Organisation and Development of Multi-OMICS Medicine**

**Chair: Prof. Dame Sue Hill, Chief Advisor, NHSE Genomics Service**

- **‘Delivering the multi-OMICS Medicine in clinical practice’**

*Professor Sir Mark Caulfield, Vice Principal (Research), QMUL*

- **‘Education and training for Genomic/OMIC healthcare’**

*Professor Dhavendra Kumar, WHRI, QMUL, London, UK*

- **‘Genetic Nurses/Counsellor’s role in multi-disciplinary genomic/OMIC healthcare’**

*Dr. Tootie Bueser, Director for Nursing & Midwifery, South East Genomic Medicine Service Alliance, Guy’s & St Thomas’ NHS Foundation Trust, London, UK*

1500

**Tea/Coffee Break**

1520

**Session III: ‘The Professor Sir David Weatherall Oration- 2024’**

**Chair- Professor Sir Munir Pirmohamed, Patron, GMF-UK**

**‘DECIPHER – 20 years of mapping the clinical genome’**

*Delivered by – Professor Helen Firth, Sanger Genome Centre, Hinxton, UK*

1630

**Discussion/ Reflections/ Vote of Thanks- Professor Sir Pirmohamed**

1645

**Close**

To Register: [www.genomicmedicine.org/product/genomics2024](http://www.genomicmedicine.org/product/genomics2024)

For all other enquiries: [genomicmedicine@yahoo.co.uk](mailto:genomicmedicine@yahoo.co.uk) / [md@genomicmedicine.org](mailto:md@genomicmedicine.org) / [d.kumar@qmul.ac.uk](mailto:d.kumar@qmul.ac.uk)