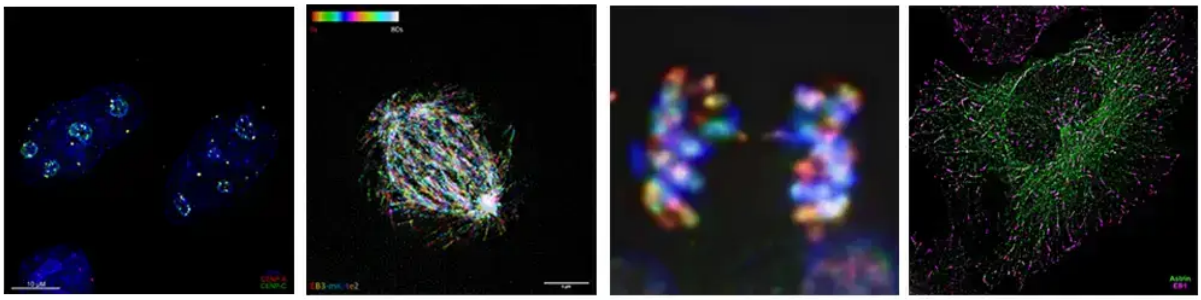
International Symposium on Genomic Instability and Impact of Genetic Variants

9:00 am to 18:30 pm (GMT), July the 9th, 2024

Peston Lecture Theatre, Graduate Centre, Mile End campus, Queen Mary University of London



AGENDA

8.30a onwards	Registration - coffee break & poster set up	**Poster boards in Octagon; Registration @ Graduate Centre Foyer**
9.05-9.10a	Welcome from the organisers (Viji Draviam + Paola Vagnarelli)	Peston Lecture Theatre, Graduate Centre, Ground Floor
Session I	**DDR and variants**	***Session chair: Dr Danwei Huangfu***
9.15-9.45a	Dr David Church (Oxford, UK)	A panoply of errors: causes and consequences of hyper/ultramutation in cancer
9.45-9.55a	Dr Kazim Ogmen (for Prof Ostergaard, SGUL, UK)	KIF11 Pathogenesis in Primary Lymphoedema
9.55-10.25a	Prof Alberto Ciccia (Columbia University, USA)	CRISPR-based approaches to study the DNA damage response
10.25-10.35a	Dr Alba Abad Fernandez (for Prof JP Arulanandam (Edinburgh, UK))	RNA methyltransferase SPOUT1/CENP-32 links mitotic spindle organization with the neurodevelopmental disorder SpADMiSS
10.35-10.40a	5 min flash talk (posters)	Loss of POLE3-POLE4 unleashes replicative gap accumulation upon treatment with PARP inhibitors
10.40-10.45a	5 min flash talk (posters)	NPC as a splicing hub
10.45-10.50a	5 min flash talk (posters)	Systematic genomic analyses of age-related diseases suggest shared mechanisms
10.50-11.00a	Prof Xing Liu (USTC, Hefei, China)	Dynamic phosphorylation of FOXA1 by Aurora B guides post-mitotic gene reactivation
11.00-11.15a	**Comfort break**	
11.15-11.20a	Keynote introduction (Prof Viji Draviam)	
11.20-12noon	Sir Mark Caulfield (QMUL, UK)	TBD
12-1.30p	**Lunch break + Poster session**	**Octagon**
Session 2	**New methods/technologies**	***Session chair: Dr Alberto Ciccia***

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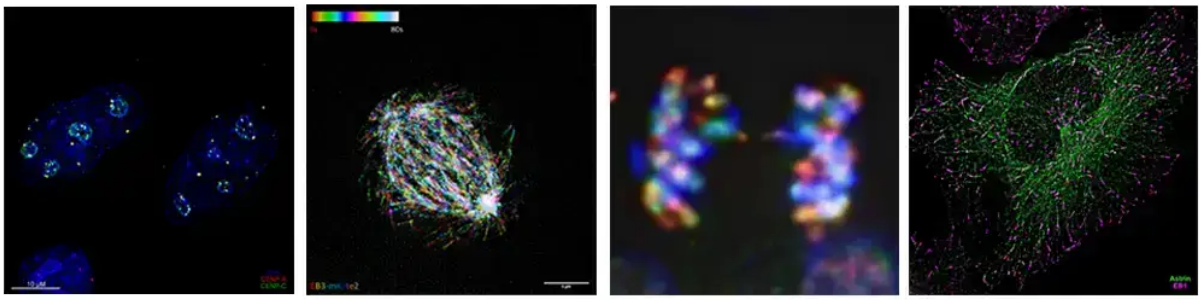

1.30-2.00p	Prof Danwei Huangfu (Memorial Sloan Kettering, USA)	A stem cell approach to human genetics - from CRISPR screens into genes, enhancers and disease risk variants
2.00-2.30p	Dr Sara Carvalhal (Algarve Research Institute, Portugal)	Why Genomic (In)stability is Important: Lessons Learned from How Biallelic BUB1 Germline Mutations Lead to Primary Microcephaly
2.30-2.45p	Dr Peter Thorpe (QMUL, UK)	Identifying regulatory circuits in cell cycle control.
2.45-3.15p	Dr Sudhakaran Prabhakaran (Nonexomics, USA)	Unveiling the 'hidden/dark' Proteome: Nonexomic Mutations and Their Impact on Genomic Stability
3.15-3.30p	Dr Fotios Drenos (Brunel, UK)	Genomic instability at the epidemiological level
3.30-4.00p	Coffee break	**Graduate Centre Foyer**
Session 3	**Mitosis and variants**	***Session chair: Dr Sara Carvalhal***
4.00-4.05p	Keynote introduction (Prof Paola Vagnarelli)	
4.05-4.45p	Prof Jonathon Pines (ICR, UK)	How does a MAD1 splice variant contribute to Chromosomal Instability: a 20 year Odyssey
4.45-5.15p	Prof Xuebiao Yao (USTC, Hefei, China)	Molecular delineation of microtubule plus-end dynamics in mitosis
5.15-5.20p	5 min flash talk (posters)	Contribution of histone variants to chromosome instability: focus on H2A.Z variants
5.20-5.25p	5 min flash talk (posters)	Search for chromosomal instability aiding variants reveal naturally occurring kinetochore gene variants that perturb chromosome segregation.
5.25-5.30p	5 min flash talk (posters)	Elucidating the role of interaction of Ska1 with EB1 in regulation of kinetochore microtubule attachment in human cells
5.30-6.00p	Prof Tomo Tanaka (University of Dundee, UK)	Contraction of PANEM (Perinuclear Actomyosin Network in Early Mitosis) facilitates the kinetochore-microtubule interaction in early mitosis
6.00-6.10p	Thank you note (Viji and Paola)	End of talks
6.30-8.30p	Reception & Dinner; **Abcam Research Poster prizes 7p**	7p poster prize; Octagon