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Cancer: New Approaches to understanding the disease

Cancer Metabolism: New Targets for Drug Discovery University	Michael Lisanti, Manchester
Metabolic alteration in Fumarate Hydratase deficient cells	Christian Frezza, MRC
Genomic insights into cancer-associated aberrant CpG island hypermethylation	Richard Meehan, Edinburgh Uni
Ensuring ChIP-Seq Success	Bianca Garms, Active Motif
Noninvasive cancer analysis through targeted deep sequencing of circulating tumour DNA	Tim Forshew, Cambridge Uni
Multiplex mutation testing to optimise genetic biomarker analysis on patients' samples	Gillian Ellison, AstraZeneca
Physiologically relevant cell-based assays in oncology: can we make it happen?	Elad Katz, AMSBIO
PREDECT : Characterizing in vitro models that may capture complexity and heterogeneity of human disease	Simon Barry, AstraZeneca

Technologies & Innovation for Phenotypic Screening

High Throughput Phenotypic Screening – past success and future challenges	Roger Clark, AstraZeneca
Simple Readouts for Complex Biology	Christian Parker, Novartis
Hitting the target in phenotypic drug discovery: Advances in receptor deconvolution	Jim Freeth, Retrogenix
Human Primary Cell Based BioMAP® Systems Modelling the Host-Tumour Stromal and Vascular Microenvironments to Support Compound Screening and Therapeutic Development	Alison O'Mahony, Bioseek
High-Throughput In Vitro Cancer Research Using Biomimetic Scaffolds	Jed Johnson, Nanofibre Solutions
Studying gene function in 3D microtissue models	Jens Kelm, InSphero AG
Selection of antibodies to signalling network	Mike Dyson, IONTas
"Phase-III-in-a-Plate": Leveraging HCA technology for basic research in translational studies	Nathalie Aulner, Institut Pasteur

Bioactive Chemistry: Harvesting the Bounty of Nature

Marine Fungi: Introduction to the interdisciplinary research project to discover and promote new natural products for anticancer applications	Johannes Imhoff & Antje Labes GEOMAR
Understanding Fungal Biosynthetic Gene Clusters	Russell Cox, Leibniz University
Marine Fungi: a phenotypic assay approach to identifying anti-cancer compounds	Phil Gribbon, Euro Screening Port
Biotechnology 2.0: Use of Synthetic Biology for Natural Products	Eriko Takano, Manchester University
Mining Natural Products Screening Data for Target Class Chemical Motifs	Isabel Coma, GSK
Innovation & Tradition in industrial Natural Product Research	Esther Schmitt, Novartis Pharma AG
Novel Strategies for Natural Product Based Macrocyclic Libraries	Lutz Muller-Kuhrt, AnalytiCon Discovery
Elucidating and Exploiting Biosynthesis	Rebecca Goss, St Andrews University
Marine Fungi: Charting the Chemistry of Hits from an Anticancer Screening Campaign	Stephen Wrigley, Hypha Discovery

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