



# Programme

## Friday, 14 October 2022 – WORKSHOP

<b>14:00-17:00</b> <b>180'</b>	<b>Emerging technologies for cancer profiling</b>	<b>Chair(s): Fabrice André, Villejuif, France</b>
25'	Spatial genomics	Charles Antoine Dutertre, Villejuif, France
25'	Single cell sequencing	Celine Vallot, Paris, France
25'	Building personalized risk predictions from clinical cancer genomic profiling	Elsa Bernard, New York, NY, USA
15'	Q&A	
<i>30'</i>	<i>Coffee break</i>	
25'	Artificial intelligence for image analyses	Jonas Teuwen, Amsterdam, Netherlands
25'	Integrating clinical, translational and basic sciences	Christos Sotiriou, Brussels, Belgium
10'	Q&A	

## Saturday, 15 October 2022

<b>08:25-08:30</b> <b>5'</b>	<b>Welcome from the Scientific Chairs</b>	
5'	Welcome to the MAP Congress 2022	MAP 2022 Scientific Co-Chairs
<b>08:30-10:00</b> <b>90'</b>	<b>Plenary session 1</b> <b>Molecular characterisation in under-served populations</b>	<b>Chair(s): Melissa Davis, New-York, NY USA</b>
20'	Breast cancer in African American women	Melissa Davis, New-York, NY, USA
20'	Molecular characteristics of cancer in elderly patients	Kasit Chatsirisupachai, Liverpool, UK
20'	Molecular characteristics of childhood cancer	Jacques Grill, Paris, France
20'	AML in ethnic minorities	Ann-Kathrin Eisfeld, Ohio, OH, USA
10'	Q&A	

<b>10:00-10:30</b> <b>60'</b>	<b>Coffee break</b>	
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<b>10:30-12:00</b> <b>90'</b>	<b>Plenary session 2</b> <b>Clonal evolution</b>	<b>Chair(s): Mariam Jamal-Hanjani, London, UK; Samra Turajlic, London, UK</b>
25'	Tumour evolution and metastatic dissemination: Insights from the PEACE autopsy programme	Mariam Jamal-Hanjani, London, UK
25'	Routes of metastatic spread	Kamila Naxerova, Boston, MA, USA (zoom joining)
25'	Evolution of treatment resistance in melanoma: Insights from the 100,000 genome project	Samra Turajlic, London, UK
15'	Q&A	

<b>12:00-13:00</b> <b>60'</b>	<b>Lunch &amp; poster viewing</b>	
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Saturday, 15 October 2022 cont.

<b>12:15-13:00</b> <b>45'</b>	<b>YO Vesalius talk</b> <b>Clinician-scientists: Finding the balance between clinic and research</b>	
	Panelists	John Haanen, Amsterdam, Netherlands Yun Rose Li, San Francisco, CA, USA Samra Turajlic, London, UK Melissa Davis, New-York, NY, USA Mariam Jamal-Hanjani, London, UK
	<i>YO Coordinator</i>	<i>Rille Pihlak, London, UK</i>

<b>13:05-13:50</b> <b>45'</b>	<b>Molecular Tumour Board</b> <b>A case study of matching patient tumour genetic profiles to targeted therapies</b>	<b>Chair(s): Speaker(s)</b>
10'	A case study of matching patient tumour genetic profiles to targeted therapies (part 1)	Antoine Italiano, Bordeaux, France
10'	A case study of matching patient tumour genetic profiles to targeted therapies (part 2)	David Tamborero, Barcelona, Spain
25'	Discussion and Q&A	All

<b>13:55-14:25</b> <b>30'</b>	<b>Keynote lecture</b>	<b>Chair: John Haanen, Amsterdam, Netherlands</b>
5'	Introduction to the keynote	John Haanen, Amsterdam, Netherlands
25'	Cancer immunotherapy with genome edited T cells	Chiara Bonini, Milan, Italy

<b>14:30-16:00</b> <b>90'</b>	<b>Plenary session 3</b> <b>Tumour microenvironment</b>	<b>Chair: Daniela Quail, Montreal, QC, Canada</b>
25'	Myeloid cells and obesity in primary and metastatic cancer	Daniela Quail, Montreal, QC, Canada
25'	Immune cell contexture at the single cell level	Ankur Sharma, Perth, Australia
25'	Stroma heterogeneity in anti-cancer immunity	Helene Salmon, Paris, France
15'	Q&A	

<b>16:00-16:30</b> <b>30'</b>	<b>Coffee break</b>	
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<b>16:30-18:00</b> <b>90'</b>	<b>Plenary session 4</b> <b>Immunotherapy</b>	<b>Chair: Clare Slaney, Melbourne, Australia</b>
25'	Signatures of neoantigen-reactive T cells from human metastatic cancers	Frank Lowery, Bethesda, MD, USA
25'	Modulating genetics in CAR T cells	Clare Slaney, Melbourne, Australia
25'	HEVs and lymphocyte recruitment in tumours in response to immune checkpoint blockade	Jean-Philippe Girard, Toulouse, France
15'	Q&A	All



Sunday, 16 October 2022

<b>08:30-10:00</b> <b>90'</b>	<b>Plenary session 5</b> <b>Prostate cancers</b>	<b>Chair: Francesca Demichelis, Trento, Italy</b>
25'	Characterising metastatic migration patterns in prostate cancers using genomic alterations	Simone Zaccaria, London, UK
25'	Analysis of the epigenome in liquid biopsy for precision prostate cancer stratification	Francesca Demichelis, Trento, Italy
25'	Identification of therapeutic opportunities in prostate cancer through integrative ML approaches	Haitham A. Elmarakeby, Boston, MA, USA
15'	Q&A	

<b>10:00-10:30</b> <b>30'</b>	<b>Coffee break</b>	
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<b>10:30-12:00</b> <b>90'</b>	<b>Plenary session 6</b> <b>New resistance to cancer therapies</b>	<b>Chair: Leila Akkari, Amsterdam, Netherlands</b>
25'	Understanding melanoma therapy resistance one cell at the time	Joanna Pozniak, Leuven, Belgium
25'	Therapy remodeling of the TME in brain tumors: Macrophages at play	Leila Akkari, Amsterdam, Netherlands
25'	Metabolism at the center stage of cancer drug resistance	Yi-Ru Yu, Lausanne, Switzerland
15'	Q&A	

<b>12:00-13:00</b> <b>60'</b>	<b>Lunch</b>	
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<b>12:15-13:00</b> <b>45'</b>	<b>YO Mentorships</b>	<b>YO coordinator: Rille Pihlak, London, UK</b>
<i>Round table 1</i>	Translational research: How to design and get the most out of these	Fabrice André, Villejuif, France
<i>Round table 2</i>	Bench to bedside: The "human" factors you need to know about when designing clinical trials	Samra Turajlic, London, UK
<i>Round table 3</i>	Real-life of a computational biologist: What it is about and how to do it	Simone Zaccaria, London, UK

<b>13:05-13:35</b> <b>30'</b>	<b>Keynote lecture</b> <b>Gordon Peters lecture</b>	<b>Chair: Charles Swanton, London, UK</b>
5'	Introduction to the keynote lecture	Charles Swanton, London, UK
25'	Deciphering the highly complex antigen-presented landscape in cancer	Yardena Samuels, Rehovot, Israel



Sunday, 16 October 2022 cont.

<b>13:40-15:10</b> <b>90'</b>	<b>Plenary session 7</b> <b>Environmental impact on cancer</b>	<b>Chair(s): Yun Rose Li, San Francisco, CA, USA</b>
25'	Genomic analysis of environmental impact on cancer risk	Andrea Degasperi, Cambridge, UK
25'	Human lifestyle factors, environment and cancer risk	Paul Brennan, Lyon, France
25'	The impact of carcinogens, obesity, and chronic inflammatory processes on mutational signatures and cancer risk in mouse tumour models	Yun Rose Li, San Francisco, CA, USA
15'	Q&A	

<b>15:10-15:40</b> <b>30'</b>	<b>Coffee break</b>	
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<b>15:40-16:40</b> <b>60'</b>	<b>Mini oral session</b>	<b>Chairs: Antonio Passaro, Milan, Italy and Samra Turajlic, London, UK</b>
5'	Air Pollution Induced Non-Small Cell Lung Cancer: Towards Molecular Cancer Prevention	Emilia Lim, London, UK
5'	Tracking immunoediting from early to late stage lung cancer	Sonya Hessey, London, UK
5'	Genomic evolution of non-small cell lung cancer during the establishment and propagation of patient-derived xenograft models	Robert Hynds, London, UK
<b>10'</b>	<b>Invited Discussant</b>	<b>Antonio Passaro, Milan, Italy</b>
5'	Multi-focal genomic dissection of synchronous primary and metastatic tissue from de novo metastatic prostate cancer	Andrew Murtha, Vancouver, CA
5'	Hypomethylation of circulating retrotransposons: towards a non-invasive pan-cancer diagnosis	Charlotte Proudhon, Paris, France
5'	Pan-cancer characterization of Receptor Tyrosine Kinases alterations to sort targetable drivers from passengers.	Helene Vanacker, Lyon, France
5'	Measuring proliferation rates of distinct tumour clones using single-cell DNA sequencing	Olivia Lucas, London, UK
<b>10'</b>	<b>Invited Discussant</b>	<b>Samra Turajlic, London, UK</b>
5'	Q&A	