

## SUNDAY, OCTOBER 8 - ARRIVAL, REGISTRATION AND WELCOME DINNER

	<b>Arrival and Registration</b> Official check-in time of the hotel is 02:00 PM. Earlier registration to the Summer School is possible.
02:00-06:00 PM	<b>Optional Workshop:</b> <b>Scientists Need More! Next Level Self-, Project- and Career Management using AI Tools</b> <b>Daniel Mertens</b> , trainer for transferable skills, Schiller & Mertens <b>Nils Liedlich</b> , educational writer who helps professionals leverage AI for writing and for self-improvement Supported by <b>Anouk Mertens</b> , law student, University of Heidelberg
07:30 PM	WELCOME DINNER AND GET TOGETHER Advanced Networking - Science Show by Daniel Mertens

## MONDAY, OCTOBER 9 - PRECISION MEDICINE I / PEDIATRIC ONCOLOGY

07:30 AM	BREAKFAST
PRECISION MEDICINE I, Chairs: Ingemar Ernberg, Karolinska Institutet, Sweden Karim Fizazi, Gustave Roussy, University of Paris-Saclay, France	
09:00 AM	<b>Welcome Day 1</b> <b>Nick Tobin</b> , Karolinska Institutet, Sweden and Chair of the Scientific Committee
09:15 AM	<b>Cancer Core Europe Introduction</b> <b>Alejandro Piris</b> , Vall d'Hebron Institute of Oncology (VHIO), Spain
09:30 AM	<b>Adaptive or Innate immunity: what is more important in cancer treatment?</b> <b>Emile Voest</b> , Netherlands Cancer Institute and The OncoCode Institute, The Netherlands and Chair of CCE (until October 2023)
10:00 AM	Discussion (10 min.)
10:15 AM	<b>Understanding and Targeting Rare Cancers</b> <b>Stefan Fröhling</b> , German Cancer Research Center (DKFZ), National Center for Tumor Diseases (NCT) Heidelberg, German Cancer Consortium (DKTK), Germany
10:45 AM	Discussion (10 min.)
11:00 AM	COFFEE BREAK
11:20 AM	<b>Precision medicine for advanced prostate cancer: finally a reality</b> <b>Karim Fizazi</b> , Gustave Roussy, University of Paris-Saclay, France
11:50 AM	Discussion (10 min.)
12:05 PM	<b>Hereditary Cancer and Mainstream testing</b> <b>Svetlana Bajalica Lagercrantz</b> , Karolinska Institutet, Karolinska University Hospital, Sweden
12:35 PM	Discussion (10 min.)
01:00 PM	LUNCH BREAK Science Speed Dating <b>PARALLEL: CCE Board of Directors meeting (by invitation only)</b>
PEDIATRIC ONCOLOGY, Chair: Priya Chudasama, German Cancer Research Center (DKFZ), National Center for Tumor Diseases (NCT) Heidelberg, German Cancer Consortium (DKTK), Germany	
03:30 PM	<b>Developmental origins and transcriptional alterations in pediatric acute myeloid leukemia</b> <b>Thomas Mercher</b> , INSERM U1170, Gustave Roussy Cancer Center, Université Paris Saclay, France
04:00 PM	Discussion (10 min.)
04:15 PM	<b>Inter- and intra-tumoral heterogeneity in childhood brain tumors</b> <b>Stefan Pfister</b> , German Cancer Research Center (DKFZ), University Hospital Heidelberg, Hopp Children's Cancer Center Heidelberg (KITZ), German Cancer Consortium (DKTK), Germany
04:45 PM	Discussion (10 min.)
05:00 PM	Sum up of Day 1
05:10 PM	SHORT BREAK
POSTER SESSION I	
05:20 PM-07:00 PM	In meeting room area, drinks and snacks available during the poster session
07:30 PM	DINNER AND GET TOGETHER

**TUESDAY, OCTOBER 10 - FROM BENCH TO BEDSIDE AND BACK / AI AND IMAGING / PRECISION MEDICINE II**

07:30 AM BREAKFAST

**FROM BENCH TO BEDSIDE AND BACK, Chair: Svetlana Bajalica Lagercrantz, Karolinska Institutet, Karolinska University Hospital, Sweden**09:00 AM **Welcome Day 2**09:15 AM **From Discovery to the Clinic: the translational moment****Delia Mezzanzanica**, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, Italy

09:45 AM Discussion (10 min.)

10:00 AM **Severe calory restriction modulates metabolism and immunity in cancer patients****Filippo de Braud**, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, Italy

10:30 AM Discussion (10 min.)

10:45 AM SHORT BREAK

**WORKSHOP I**11:00 AM- **How to lead your target or biomarker successfully to a clinical trial? Key lessons from the pre-clinical and clinical perspective**12:45 PM **Irene Braña**, Vall d'Hebron Institute of Oncology (VHIO), Spain**Priya Chudasama**, German Cancer Research Center (DKFZ), National Center for Tumor Diseases (NCT) Heidelberg, German Cancer Consortium (DKTK), Germany**Marleen Kok**, Netherlands Cancer Institute, The Netherlands

01:00 PM LUNCH BREAK

**AI AND IMAGING / PRECISION MEDICINE II, Chair: Richard Baird, Cancer Research UK Cambridge Centre, University of Cambridge, United Kingdom**03:00 PM **One for all and all for one: data integration and cancer radiogenomics****Mireia Crispin**, Cancer Research UK Cambridge Centre, University of Cambridge, United Kingdom

03:30 PM Discussion (10 min.)

03:45 PM **Advancing Translational Research and Precision Cancer Treatment with Radiomics-based Biomarkers****Raquel Perez-Lopez**, Vall d'Hebron Institute of Oncology (VHIO), Spain

04:15 PM Discussion (10 min.)

04:30 PM COFFEE BREAK

04:50 PM **Bringing molecular phenotype analysis on cancer precision medicine by proteomics****Janne Lehtiö**, Karolinska Institutet, Sweden

05:20 PM Discussion (10 min.)

**PARTICIPANT TALKS I, Chair: Irene Braña, Vall d'Hebron Institute of Oncology (VHIO), Spain**05:35 PM **Functional precision medicine platform with 3D ex vivo drug testing for pediatric solid tumors****Sara Kuusela**, University of Helsinki, Finland05:50 PM **Early identification of disease progression in ALK-rearranged lung cancer using circulating tumor DNA analysis****Arlou Kristina Angeles**, NCT Heidelberg, German Cancer Research Center (DKFZ), Germany06:05 PM **SAVANA: a computational method to characterise structural variation in human cancer genomes using long-read sequencing****Hillary Elrick**, EMBL-EBI, United Kingdom

06:20 PM Sum up of Day 2

07:30 PM DINNER AND GET TOGETHER

## WEDNESDAY, OCTOBER 11 - IMMUNOLOGY/IMMUNOTHERAPY

07:30 AM BREAKFAST

IMMUNOLOGY/IMMUNOTHERAPY, Chairs: Raquel Pérez-López, Vall d'Hebron Institute of Oncology (VHIO), Spain  
Thomas Mercher, INSERM U1170, Gustave Roussy Cancer Center, Université Paris Saclay, France

09:00 AM **Welcome Day 3**

09:15 AM **Improving immunotherapy for cold tumors: the case of breast cancer**  
**Marleen Kok**, Netherlands Cancer Institute, The Netherlands

09:45 AM Discussion (10 min.)

10:00 AM **Lymphoma and Immunodeficiency – two sides of the same coin?**  
**Lisa Westerberg**, Karolinska Institutet, Sweden

10:30 AM Discussion (10 min.)

10:45 AM COFFEE BREAK

11:05 AM **Immunotherapy and the quest for predictive biomarkers**  
**Jürgen Becker**, German Cancer Consortium (DKTK), University of Duisburg-Essen, Germany

11:35 AM Discussion (10 min.)

11:50 AM **The EMBO Keynote Lecture - Tumor Macrophage Heterogeneity**  
**Florent Ginhoux**, Gustave Roussy, France

12:20 PM Discussion (10 min.)

12:40 PM LUNCH

## SOCIAL ACTIVITY

01:30 PM - **Social Activity - Benagil Caves and Coastline - boat cruise along the coast**

05:30 PM (alternative program in case of bad weather)



## POSTER SESSION II

06:00 PM-  
07:30 PM In meeting room area, drinks available during the poster session.

08:00 PM DINNER AND GET TOGETHER

**THURSDAY, OCTOBER 12 - WORKSHOP / IMMUNOTHERAPY / COMPUTATIONAL ONCOLOGY**

07:30 AM BREAKFAST

**WORKSHOP II**09:00 AM **Welcome Day 4**09:15 AM **Molecular Tumour Board workshop - an introduction and case studies****Richard Baird**, Cancer Research UK Cambridge Centre, University of Cambridge, United Kingdom**Bruno Köhler**, University Hospital Heidelberg, National Center for Tumor Diseases (NCT) Heidelberg, German Cancer Consortium (DKTK), Germany**Maria-Veronica Teleanu**, German Cancer Research Center (DKFZ), University Hospital Heidelberg, National Center for Tumor Diseases (NCT) Heidelberg, German Cancer Consortium (DKTK), Germany

11:00 AM COFFEE BREAK

**IMMUNOTHERAPY / COMPUTATIONAL ONCOLOGY, Chair: Jürgen Becker, German Cancer Consortium (DKTK), University of Duisburg-Essen, Germany**11:20 AM **Immunotherapy****Benjamin Besse**, Gustave Roussy, France

11:50 AM Discussion (10 min.)

12:05 PM **Computational Pathology; Image Based biomarkers for predicting Cancer Immunotherapy response****Hugo Horlings**, Netherlands Cancer Institute, The Netherlands

12:35 PM Discussion (10 min.)

01:00 PM LUNCH BREAK

**WORKSHOP III**03:30 PM **cBioPortal for Cancer Genomics****Nick Tobin**, Karolinska Institutet, Sweden

05:00 PM COFFEE BREAK

**PARTICIPANT TALKS II, Chair: Jonas Bergh, Karolinska Institutet, Karolinska University Hospital, Sweden**05:20 PM **Multimodal deep learning in digital pathology****Michaela Unger**, Else Kröner Fresenius Center for Digital Health, Germany05:35 PM **MYC inhibition phenocopies homologous recombination deficiency and re-sensitises triple-negative breast cancer (TNBC) to PARP inhibition****Fabio Giuntini**, Vall d'Hebron Institute of Oncology (VHIO), Spain05:50 PM **The role of glyco-immune checkpoints in predicting pathologic response to neoadjuvant immunotherapy in stage III melanoma: understanding the Sialic acid-Siglec axis****Jurriaan Romano**, Netherlands Cancer Institute (NKI), The Netherlands

06:05 PM Sum up of Day 4

07:30 PM DINNER AND GET TOGETHER

**FRIDAY, OCTOBER 13 - THE TUMOR MICROENVIRONMENT / CANCER PREDISPOSITION AND PREVENTION**

07:30 AM BREAKFAST

**PARTICIPANT TALKS III, Chair: Delia Mezzanzanica, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, Italy**

09:00 AM **Welcome Day 5**

09:15 AM **Exploring the human breast cancer intra-tumor microbiome and its clinical significance**  
Gili Perry, Tel Aviv University / Sheba Medical Center / Weizmann Institute of Science, Israel

09:30 AM **HPV-positive women triage: how to improve screening using methylation-specific ddPCR?**  
Sofia Salta, Portuguese Institute of Oncology of Porto, Portugal

09:45 AM **Targeting of astrocyte-driven enhancement of glioblastoma growth**  
Li Yi, Karolinska Institutet, Sweden

**THE TUMOR MICROENVIRONMENT, Chair: Delia Mezzanzanica, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, Italy**

10:00 AM **Tumor-associated microbiota: an emerging target to reprogram the tumor immune microenvironment**  
Lucia Sfondrini, University of Milan, Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, Italy

10:30 AM Discussion (10 min.)

10:45 AM COFFEE BREAK

11:05 AM **Developing human disease-relevant models using cellular reprogramming to understand neuronal tumor development and identifying therapeutic targets**  
Margareta Wilhelm, Karolinska Institutet, Sweden

11:35 AM Discussion (10 min.)

11:50 AM **Poster Prizes / Best Participant Talk** (co-chaired by the Organising Team, flash talks by the poster prize winners)

01:00 PM LUNCH BREAK

**CANCER PREDISPOSITION AND PREVENTION, Chair: Nick Tobin, Karolinska Institutet, Sweden**

03:30 PM **The role of diet, nutrition and body composition in primary and tertiary cancer prevention**  
Ellen Kampman, Wageningen University, Netherlands

04:00 PM Discussion (10 min.)

04:15 PM **EVITA's contribution to prevention and research of early onset hereditary cancer**  
Tamara Milagre, Patient Association EVITA, Portugal

04:45 PM Discussion (10 min.)

05:00 PM COFFEE BREAK

05:20 PM Sum up of Day 5

05:30 PM **Feedback discussion, closing words**

07:30 PM DINNER AND GET TOGETHER

**SATURDAY, OCTOBER 14 - DEPARTURE**

07:30 AM BREAKFAST

Departure

**Host**



**Supporters**

