EACR-AstraZeneca Virtual Conference 'Drug Tolerant Persister Cells' Programme

Virtual Event, Worldwide

7 - 8 December 2021

Scientific Programme

Tuesday 7th December 2021

Listed times are in Central European Time (CET)

13:00 WELCOME TO DAY ONE
Alberto Bardelli

SESSION 1 - BIOLOGY OF PERSISTER CELLS
Co-Chairs: Alberto Bardelli, Ultan McDermott and Caroline Robert

13:10 **Nathalie Balaban**
The Hebrew University of Jerusalem, Israel
"Persistence under treatment: from bacteria to mammalian cells"

Q&A 13:30 - 13:50

13:50 **Mariangela Russo**
University of Torino, Italy
"Adaptive mutability favors the evolution of secondary resistance in cancer persister cells"

Q&A: 14:10 - 14:30

14:30 Transition break

14:35 **Chewei Anderson Chang**
University of Toronto, Canada
Proffered Paper 1: "Ontogeny and Vulnerabilities of Drug-Tolerant Persisters in HER2+ Breast Cancer"

Q&A: 14:45 - 14:55

14:55 **Anna Golebiewska**
Luxembourg Institute of Health, Luxembourg
Proffered Paper 2: "Phenotypic heterogeneity and plasticity as resistance mechanisms in Glioblastoma"

Q&A: 15:05 - 15:15

15:15 Transition break

15:20 **Yaara Oren**
Broad Institute, Cambridge, USA
"Using Watermelons to uncover adaptations of cancer persister cells''

Q&A: 15:40 - 16:00

16:00 Refreshment break

16:15 **Alix Le Marois**
Francis Crick Institute, UK
Proffered Paper 3: "Imaging drug resistance: using fluorescent biosensors of oncogenic signalling to understand therapy response in EGFR-mutant Non-

Small Cell Lung Cancer."

Q&A: 16:25 -16:35

16:35 **Derek B. Oien**
AstraZeneca, USA
Proffered Paper 4: "Therapeutic vulnerabilities in EGFR inhibitor osimertinib drug tolerant persister cells"

Q&A: 16:45 - 16:55

16:55 Transition break

17:00 **Catherine O'Brien**
University of Toronto, Canada
"Targeting the diapause-like drug tolerant persister state in colorectal cancer"

Q&A: 17:20 - 17:40

17:40 POSTER SPOTLIGHTS
3 top abstracts presented as 3 minute flash talks

17:50 LET'S GATHER TOGETHER IN 'GATHER'
An informal opportunity for participants to browse the posters and make new connections. After the end of the session 'Gather' will remain open until the end of the Conference.

Wednesday 8th December 2021

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12:30 VIRTUAL POSTER DISCUSSION SESSION IN GATHER

14:00 WELCOME TO DAY TWO
Rene Bernards

SESSION 2 - NOVEL TARGETS IN PERSISTER SPACE
Co-Chairs: Rene Bernards and Paul Smith

14:05 **Chris Marine**
VIB KU Leuven Center for Cancer Biology, Leuven, Belgium
"Evolutionary predictability of genetic versus nongenetic resistance to anticancer drugs in melanoma"

Q&A: 14:25 - 14:45

14:45 Transition break

14:50 **Isabel Puig**
Vall d'Hebron Institute of Oncology, Spain
Proffered Paper 5: "Deciphering slow-cycling cancer cells to break down the wall of therapy resistance."

Q&A: 15:00 - 15:10

15:10 **Ravid Straussman**
Weizmann institute, Israel
Proffered Paper 6: "IRS1 phosphorylation determines a heritable probability of cancer cells to persist during EGFR inhibition therapy"

Q&A: 15:20 - 15:30

15:30 Transition break

15:35 Pasi Janne
Dana-Farber Cancer Institute, Boston, USA
“Treatment of targeted therapy induced drug persistent disease in lung cancer”

Q&A: 15:55 - 16:15

16:15 Refreshment break

16:30 **Trever Bivona**
The Bivona Lab
"Integrative mechanisms underlying drug tolerance in oncogene-driven lung cancer"

Q&A: 16:50 - 17:10

17:10 Transition break

17:15 **Alexander van Oudenaarden**
Hubrecht Institute, Utrecht, Netherlands
"Novel single-cell sequencing tools to explore (persister) cells in space and time"

Q&A: 17:35 - 17:55

17:55 Transition break

18:00 DISCUSSION FORUM 'HOW TO BEST KILL DTPS'
Paul Smith to Chair with 10 minute introduction

19:00 SUMMARY AND END OF DAY TWO