

# 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

**Listed times are in Central European Time (CET)**

- 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 DTTPS'](#)  
Paul Smith to Chair with 10 minute introduction
- 19:00 [SUMMARY AND END OF DAY TWO](#)