

DNA Damage Responses and Cancer: Innovations from Radiobiology to Radiotherapy Programme

Cambridge, UK

30 March - 1 April 2020



Scientific Programme

Monday 30th March 2020

- 11:30 REGISTRATION
- 12:00 WELCOME LUNCH & TRADE EXHIBITION
- 13:00 CONFERENCE WELCOME
Scientific Programme Committee
- SESSION 1: DNA DAMAGE RESPONSES I
- 13:05 OPENING KEYNOTE LECTURE
Steve Jackson
Gurdon Institute, UK
- 13:50 **Laurence Pearl**
University of Sussex, UK
"Phosphorylation-dependent assembly of DNA damage response complexes"
- 14:20 **Sven Rottenberg**
University of Bern, Switzerland
"Mechanisms of radiotherapy response in BRCA1-mutated mouse models for hereditary breast cancer"
- 14:50 EXHIBITOR INTRODUCTIONS
Informal 60-second introductions by each company
- 15:00 COFFEE BREAK & TRADE EXHIBITION
- SESSION 2: EPIGENETICS AND GENOME INSTABILITY
- 15:30 **Timothy Humphrey**
University of Oxford, UK
- 16:00 **Gaëlle Legube**
CBI Toulouse, France
"Chromosome and chromatin dynamics at DSB"
- 16:30 **Proffered Paper 1**
Selected from abstracts
- 16:45 **Jessica Downs**
ICR, UK
"The PBAF chromatin remodelling complex maintains genome stability and prevents tumourigenesis"
- 17:15 POSTER SPOTLIGHTS
3 top scoring abstracts presented as three minute talks
- 17:25 NETWORKING RECEPTION
including drinks and light food

18:00 POSTER DISCUSSION SESSION 1

Tuesday 31st March 2020

08:30 POSTER VIEWING & TRADE EXHIBITION

Tea/coffee available

09:00 INDUSTRY SPOTLIGHT - PREMIUM SPONSOR

SESSION 3: IMMUNOLOGY AND RADIATION RESPONSES

09:15 **Roger Greenberg**

UPenn, USA

"Communication between DNA damage and immune responses"

09:45 **Amato Giaccia**

University of Oxford, UK

10:15 **Proffered Paper 2**

Selected from abstracts

10:30 COFFEE BREAK & TRADE EXHIBITION

11:00 **Sandra Demaria**

Cornell, USA

11:30 **Verena Jendrossek**

Universität Duisburg-Essen, Germany

"Targeting metabolic reprogramming for improving radiotherapy outcome"

12:00 POSTER SPOTLIGHTS

3 top scoring abstracts presented as three minute talks

12:10 INDUSTRY SYMPOSIUM - ELITE SPONSOR

12:40 LUNCH & TRADE EXHIBITION

13:15 POSTER DISCUSSION SESSION 2

SESSION 4: DNA DAMAGE RESPONSES II

14:45 **Oscar Fernandez-Capetillo**

Karolinska Institute, Sweden

"Exploiting the presence of replicative stress in cancer therapy"

15:15 **Conchita Vens**

NKI, Netherlands

15:45 **Proffered Paper 3**

Selected from abstracts

16:00 COFFEE BREAK & TRADE EXHIBITION

16:30 **Patricia Opresko**

UPitt, USA

"The impact of oxidative DNA damage on telomere maintenance"

17:00 PANEL DISCUSSION

19:30 CONFERENCE DINNER

Optional ticketed dinner

Wednesday 1st April 2020

- 08:30 POSTER VIEWING & TRADE EXHIBITION
Tea/coffee available
- 09:00 INDUSTRY SPOTLIGHT - PREMIUM SPONSOR
SESSION 5: TRANSCRIPTION
- 09:15 MEET THE EXPERT TALK
- 09:45 THE EMBO KEYNOTE LECTURE
Fabrizio d'Adda di Fagagna
IFOM, Italy
"The role of RNA in DNA damage response"
- 10:30 **Marianne Farnebo**
Karolinska Institute, Sweden
"Roles of RNA in DNA repair and chromatin structure"
SESSION 6: METABOLISM
- 11:00 COFFEE BREAK & TRADE EXHIBITION
- 11:30 **Proffered Paper 4**
Selected from abstracts
- 11:45 **Ester Hammond**
OIRO, UK
"The hypoxia-induced DNA damage response"
- 12:15 CLOSING KEYNOTE LECTURE
Peter Glazer
Yale, USA
"Oncometabolites, DNA repair, and cancer therapy"
- 13:00 SUMMARY & AWARDS
Scientific Programme Committee
- 13:15 LUNCH & DEPART