Dear IACR Attendees,

On behalf of the Irish Association for Cancer Research (IACR), a very warm welcome to the 55th IACR Annual Conference in the Europa Hotel Belfast 2019.

We have an amazing 3-day event in place showcasing the exceptional cancer research being undertaken across the island of Ireland.

We will hear from national and internationally acclaimed speakers and will be giving awards to PhD students, Post doctoral Fellows and team leaders who have excelled in their cancer research endeavours.

Our conference will open with a public event in honour of the late Professor Patrick (Paddy) G. Johnston QUB where cancer researchers will overview their research for a public forum.

With best wishes,

Sincerely,

Prof. Amanda McCann
President 2017–2020
Irish Association for Cancer Research (IACR)

www.iacr.ie  @News_IACR
@irishassociationcancerresearch

SPECIAL THANKS TO OUR SPONSORS

CHARITY SPONSORS
Irish Cancer Society  breakthrough CANCER RESEARCH

PLATINUM EXHIBITOR
ALMAC

GOLD EXHIBITORS
AXIsBIO  Pfizer  nanoString

SILVER EXHIBITORS

THE IACR SUPPORTS EARLY STAGE INVESTIGATORS, REWARDING EXCELLENCE IN CANCER RESEARCH ON THE ISLAND OF IRELAND.
GUEST SPEAKERS

We would like to extend a warm welcome to all our invited National and International speakers and thank them for their time and participation at this year's 55th IACR Annual Conference.

Prof. Peter A. Jones, Ph.D, D.Sc. (hon)
VARI Chief Scientific Officer, Distinguished Professor & Director of Center for Epigenetics
Van Andel Research Institute, Michigan, USA

Prof. Rosemary O’Connor Ph.D
Professor of Cell Biology, Head of the School of Biochemistry & Cell Biology,
University College Cork

THE IRISH ASSOCIATION FOR CANCER RESEARCH (IACR) AWARD FOR OUTSTANDING CONTRIBUTION TO CANCER MEDICINE & RESEARCH (2019)

The IACR established this award in 2017 and this year, Prof. O’Connor is being honoured with this prestigious award, to recognise her outstanding contribution to Cancer Research on the Island of Ireland. Rosemary is the 3rd Recipient of this award following Professor William (Liam) Gallagher (2017) and the late Professor Patrick (Paddy) G. Johnston (2018).

Prof. O’Connor holds a BSc in Biochemistry from NUIG and a Ph.D. from NUI Maynooth. She gained research experience in Germany and the USA, where she worked on clinical trials in lymphoma and leukemia and a drug discovery research programme on apoptosis. She joined the Department of Biochemistry in UCC in 1997, where she is currently Professor of Cell Biology. Her research focuses on growth factor signalling in cancer, particularly the Insulin-like Growth Factor system.

Dr. Gillian Prue
QUB

Prof. David Finlay
TCD

Prof. Doreen Cantrell
University of Dundee

Dr. Noel McCaffrey

Prof. Jacqui Shaw
University of Leicester

Prof. Manuel Salto-Tellez, QUB

Mrs Margaret Grayson
MBE

Prof. Nasir Rajpoot,
University of Warwick

Prof. Paul Workman
ICR

Dr. Robert O’Connor
Irish Cancer Society

Prof. Rosemary O’Connor, Ph.D
Professor of Cell Biology, Head of the School of Biochemistry & Cell Biology, University College Cork

Prof. Tim Maughan
University Of Oxford

Dr. Triona Ni Chonghaile, RCSI

Dr. Timothy Gilligan
Cleveland Clinic, Ohio

Prof. Tim Maughan
University Of Oxford

Dr. Triona Ni Chonghaile, RCSI

Dr. Timothy Gilligan
Cleveland Clinic, Ohio

Prof. Tim Maughan
University Of Oxford

The Irish Cancer Society

GUEST LECTURER

Prof. Jones pioneered the field of cancer epigenetics; discovering the effects of 5-azacytidine on cytosine methylation and first establishing the link between DNA methylation, gene expression and differentiation. Prof. Jones is a past president of the AACR, and a Fellow of the AACR Academy, the American Association for the Advancement of Science, and the National Academy of Sciences. He has published more than 300 scientific papers and received several honors, including the Outstanding Investigator Grant from the NCI. He and his colleague Dr. Stephen Baylin shared the Kirk A. Landon Award for Basic Cancer Research from the AACR in 2009 and the Medal of Honor from the American Cancer Society in 2011. Prof. Jones is currently the CSO of Van Andel Research Institute, Michigan.
### PLENARY SESSION 5

**PROFFERED PAPERS**

**CHAIRPERSONS** Dr. Stephen Maher (TCD) & Dr. Paul Dowling (NUIM)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 – 9:15</td>
<td>ITAP: A NOVEL REGULATOR OF THE CELL SURFACE METALLOPROTEASE ADAM17/TACE.</td>
<td>Dr. ColinADR (Instituto Gulbenkian de Ciencia)</td>
</tr>
<tr>
<td>09:15 – 09:30</td>
<td>A REVISIONIST STUDY OF TUMOUR INTRACRINOLGY PROVIDES NOVEL INSIGHT INTO THE DICHTOMOUS ROLE OF ANDROGENS IN AROMATASE INHIBITOR RESISTANT BREAST CANCER.</td>
<td>Rachel Bleach (RCsi)</td>
</tr>
<tr>
<td>09:30 – 09:45</td>
<td>A NOVEL ROLE FOR THE COMPLEMENT CASCADE IN CHEMORADIATION THERAPY RESISTANT OESOPHAGEAL ADENOCARCINOMA. Aolíchealíonn (TCD)</td>
<td>Dr. Colin Adrian (Instituto Gulbenkian de Ciencia)</td>
</tr>
<tr>
<td>09:45 – 10:00</td>
<td>TARGETING OF SURVIVIN TO OVERCOME CISPLATIN RESISTANCE IN OESOPHAGEAL ADENOCARCINOMA. Rosalie V Douglas (QUB)</td>
<td>Dr. Colin Adrian (Instituto Gulbenkian de Ciencia)</td>
</tr>
<tr>
<td>10:00 – 10:15</td>
<td>COMBINING 1, 4 DIHYDROXY QUININID (QB) AS A NOVEL THERAPY IN COMBINATION WITH STANDARD COLORECTAL CANCER THERAPY. Susan A Kennedy (TCD)</td>
<td>Dr. Colin Adrian (Instituto Gulbenkian de Ciencia)</td>
</tr>
<tr>
<td>10:15 – 10:30</td>
<td>INVESTIGATING HOW THE SOURCE OF DIETARY FAT SHAPES THE ANTI-CANCER IMMUNE RESPONSE IN OBESITY. Rosin M Loftus (TCD)</td>
<td>Dr. Colin Adrian (Instituto Gulbenkian de Ciencia)</td>
</tr>
<tr>
<td>10:30 – 10:45</td>
<td>INSULIN-LIKE GROWTH FACTOR 1 SIGNALLING PROMOTES TURNOVER AND PROTECTION IN CANCER CELLS. Sarah Riis (UCC)</td>
<td>Dr. Colin Adrian (Instituto Gulbenkian de Ciencia)</td>
</tr>
<tr>
<td>10:45 – 11:00</td>
<td>UHRF1 IS REQUIRED TO SUPPRESS VIRAL MIMICRY THROUGH BOTH DNA METHYLATION DEPENDENT AND INDEPENDENT MECHANISMS. Catherine Scullion (UU)</td>
<td>Dr. Colin Adrian (Instituto Gulbenkian de Ciencia)</td>
</tr>
<tr>
<td>11:00 – 11:30</td>
<td>TEA / COFFEE / POSTERS &amp; MEET THE SPONSORS</td>
<td>Dr. Colin Adrian (Instituto Gulbenkian de Ciencia)</td>
</tr>
</tbody>
</table>

### PLENARY SESSION 6

**SURVIVORSHIP IN CANCER**

**CHAIRPERSONS** Mrs. Margaret Grayson (Belfast) & Dr. Antoinette Perry (UCD)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30 – 11:45</td>
<td>SURVIVORSHIP: WHAT DOES THIS MEAN TO PEOPLE AFFECTED BY CANCER? Mrs. Margaret Grayson (MBE. Chair, Northern Ireland Cancer Research Consumer Forum)</td>
<td>Mrs. Margaret Grayson (Belfast) &amp; Dr. Antoinette Perry (UCD)</td>
</tr>
<tr>
<td>11:45 – 12:15</td>
<td>COMMUNITY-BASED EXERCISE IN CANCER SURVIVORSHIP. Dr. Noel McCaffrey (Sports &amp; Exercise Medicine Specialist)</td>
<td>Mrs. Margaret Grayson (Belfast) &amp; Dr. Antoinette Perry (UCD)</td>
</tr>
<tr>
<td>12:15 – 12:45</td>
<td>WHEN EXERCISE IS THE DRUG: CAN ACTIVITY LEVELS REALLY BE USED TO TREAT PROSTATE CANCER? Dr. Gillian Prue (QUB)</td>
<td>Mrs. Margaret Grayson (Belfast) &amp; Dr. Antoinette Perry (UCD)</td>
</tr>
<tr>
<td>12:45 – 13:15</td>
<td>SURVIVORSHIP ISSUES IN GENITOURINARY MALIGNANCIES. Dr. Timothy Gilligan (Cleveland Clinic, Ohio)</td>
<td>Mrs. Margaret Grayson (Belfast) &amp; Dr. Antoinette Perry (UCD)</td>
</tr>
<tr>
<td>13:15 – 14:15</td>
<td>LUNCH</td>
<td>Mrs. Margaret Grayson (Belfast) &amp; Dr. Antoinette Perry (UCD)</td>
</tr>
</tbody>
</table>

### PLENARY SESSION 7

**DIGITAL PATHOLOGY**

**CHAIRPERSONS** Dr. Niamh Buckley (QUB) & Dr. Naoms Walsh (DCU)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:15 – 14:30</td>
<td>GOLD SPONSOR PRESENTATION – NANOSTRING Digital Spatial Profiling and Highly Multiplexed Gene Expression Profiling - New Frontiers in Cancer Research. Jim White</td>
<td>Dr. Niamh Buckley (QUB) &amp; Dr. Naoms Walsh (DCU)</td>
</tr>
<tr>
<td>14:30 – 15:00</td>
<td>DIGITAL PATHOLOGY AND ARTIFICIAL INTELLIGENCE: THE THIRD REVOLUTION IN PATHOLOGY. Prof. Manuel Salto-Tellez (QUB)</td>
<td>Dr. Niamh Buckley (QUB) &amp; Dr. Naoms Walsh (DCU)</td>
</tr>
</tbody>
</table>