**THE IACR/EACR EARLY CAREER RESEARCHER SYMPOSIUM AND WORKSHOP 2020**

**SESSION 1**
**THE GREAT ESCAPE: CAREER PATHS OUTSIDE ACADEMIA**
Hear from four speakers who have made the move from biomedical PhD to non-academic careers. Includes Q&A session.

- Dr. Eimear Gleeson (Life Sciences Venture Investment Associate, Atlantic Bridge), Dr. Niamh Foley (Sales Manager, Accucense), Dr. Annalisa Montesanti (Lead Programme Manager - Health Research Careers, Health Research Board), Dr. Samira Kaissi (CEO, CalaMedical).

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<td>12:30 – 12:45</td>
<td>Tea / Coffee Break</td>
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**SESSION 2**
**THE MOBILITY EXPERIENCE**
Two ECRF Travel Fellows and the 2019 IACR AOIFA Mobility Awardee explain why they should apply for a travel fellowship. Includes a Q&A session.

- Dr. Roy van der Meel (Eindhoven University of Technology)
- Ms. Shannon Nelson (DCU)

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**SESSION 3**
**WORKSHOPS**
Each hour will see two workshops run in parallel, choose your topic of interest! 35 participants max per workshop.

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**SESSION 4**
**THE PATRICK G. JOHNSTON AWARD FOR EXCELLENCE IN CANCER RESEARCH OUTREACH**
Six early career researchers will be selected based on their lay abstract submissions to IACR 2020. Those selected will take part in a patient communication workshop prior to IACR 2020 and asked to prepare a lay presentation on their work. Presentations will be delivered to peers and a lay audience at the Patrick G. Johnston Award For Excellence in Cancer Research Outreach event. The winner will be chosen by the audience and a judging panel.

- [18:30 Ms. Shannon Nelson (DCU)]
- [18:40 Ms. Naomi Algeo (St James’ Hospital/UCD)]
- [18:50 Ms. Anu Prakash (NUI Galway)]
- [19:00 Dr. Neil Conlon (DCU)]
- [19:10 Dr. Karima Khalfia (UCD)]
- [19:20 Ms. Eve O’Reilly (UCD)]

**NURSING AND ALLIED HEALTH WORKSHOPS 2020**

**SESSION 1**
**GRANT WRITING**
Representatives from two prominent cancer funding agencies in Ireland will deliver a practical and interactive workshop aimed at helping early career researchers effectively communicate research and its impact, avoid common pitfalls, and prepare for future funding opportunities.

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**SESSION 2**
**PUBLIC AND PATIENT INVOLVEMENT (PPI) IN RESEARCH**
Richard Stephens and Margaret Grayson MBE will host a workshop on PPI in research. Richard and Margaret will discuss the distinctions between involvement, participation, and engagement alongside the expectations and obligations of both PPI members and researchers. Real PPI case studies will be presented and participants will have the opportunity to ask advice from two expert advocates.

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**SESSION 3**
**BUILDING CAPACITY IN NURSING AND ALLIED HEALTH RESEARCH**
Research in social, nursing, and allied health sciences is underdeveloped in Ireland. The Irish Cancer Society, in collaboration with Trinity College Dublin, is investigating the barriers and facilitators to research participation.

This workshop will turn the tables and allow participants to feed into this project and inform the development of a national survey.

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**ADFA AWARDS**
2019 ADFA SEED FUNDING AWARD WINNERS

- 3 X 5 min presentations: CHAIRPERSONS: Dr. Colm Donnellan (UCD) & Dr. Neil Treacy (NUI Galway)

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**SESSION 4**
**THE PATRICK G. JOHNSTON AWARD FOR EXCELLENCE IN CANCER RESEARCH OUTREACH**

- [18:30 Ms. Shannon Nelson (DCU)]
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THURSDAY 27TH FEBRUARY 2020

BIOMEDICAL SESSIONS

SESSION 1 CANCER GENOMICS AND CHROMOSOME BIOLOGY
CHAIRPERSONS: Dr. Eva Szeglat (NUIG Galway) & Dr. Andrew Lindsay (UCC)
09:00 – 09:30 Prof. Corrado Santancolte (NUIG Galway). Blocking DNA replication before it starts: insights into CDC73 targeting drugs using functional genomics approaches.
09:30 – 10:00 Prof. Jane Skok (NYC Langone Health). Defining the relative and combined contributions of CTCF and CTCFL to genomic regulation and impact on cancer
10:00 – 10:30 Prof. Bave Ylstra (UvA University Amsterdam). A new biomarker for bevazcizumab effemutance in mCRC – hope or hype?

SESSION 2 PROFFERED TALKS
CHAIRPERSONS: Dr. Niarmh Buckley (UB) & Dr. Stephen Maher (TCU)
11:30 – 11:45 Amy McCorry (PhD Student QUB). Antigen processing and presentation dictates prognosis in the fibroblast-rich subtype of stage II and III colon cancer.
11:45 – 12:00 Ellis Sutton (PhD Student QUB). Identification of Novel Molecular Targets in Immune Activated Oesophageal Adenocarcinoma.
12:00 – 12:15 Niamh McCabe (PhD Student UCD). Identification of SRC’s role in governing chemotherapy resistance in oesophageal adenocarcinoma through functional genomic and high-throughput drug-screening approaches.
12:45 – 13:00 Arman Rahman (PostDoc UCD). Multiplex-Immunohistochemistry for Simultaneous Detection of Multiple OncoMaxTR targets within the Tumour Microenvironment in Breast Cancer.
13:15 – 14:00 Lunch
14:00 – 15:00 POSTER SESSION 2

SESSION 3 RADIATION ONCOLOGY
CHAIRPERSONS: Dr. Naith Lynham-Lemon (TCD) & Dr. Alex Eustace (RCIS)
15:00 – 15:30 Dr. Karl Butterworth (QU). Biologically optimised radiotherapy: How, where & with what?
15:30 – 16:00 Prof. Amato Giaccia (Oxford Institute of Radiation). The Past, Present and Future of Combining Radiotherapy & Immune Therapy.
16:00 – 16:30 Prof. Mary Barcellos Hoff (UCSF). Translating growth factor β1: New tricks for an old fox.
16:30 – 16:45 GOLD SPONSOR PRESENTATION Miltenty Biotech
Dr. Carlo Scala (Clinical Application Specialist). Reality, Promises and Potential of CAR-T cell therapies.
16:45 – 17:00 Tea / Coffee Break

SESSION 4 IRISH CANCER SOCIETY BIOMEDICAL SESSION
CHAIRPERSONS: Dr. Margaret McGee (RCSI) & Dr. Robert O’Connor (UCC)
17:00 – 17:15 Romina Silva (PhD student in Translational Medicine, UCD). Longitudinal Analysis of Personal DNA Methylation Patterns in Metastic Prostate Cancer.
17:30 – 18:00 Dr. Robert O’Connor (Head of Research for the Irish Cancer Society). The Irish Cancer Research Landscape.
18:00 – 19:00 Prof. Lewis C. Cantley (Irish Cancer Society Guest Lecturer). PI 3-Kinase and Cancer Metabolism.
19:00 – 20:00 Pre-registered IACR Junior Council Networking Session
19:00 – 21:00 Poster Viewing and Buffet Dinner

NURSING AND ALLIED HEALTH SCIENCES IMPROVING CANCER CARE AND OUTCOMES

SESSION 1 NUTRITION AND EXERCISE
CHAIRPERSONS: Prof. Juliete Hussey (TCD) & Dr. Rob O’Connor (Irish Cancer Society)
09:00 – 09:35 Prof. Anna Campbell MBE (Edinburgh Napier University). Exercise and Cancer Survivorship – Movement Matters.
09:35 – 10:00 Dr. Aoife Ryan (University College Cork). Why malnutrition in cancer matters: impact on tolerance to chemotherapy, surgical outcomes, quality of life and survival.
10:00 – 10:25 Dr. Jane Walsh (NUIG Galway). Mobile Technology and Health: Possibility or Panacea?
10:45 – 11:15 Tea / Coffee Break

SESSION 2 PROFFERED TALKS
CHAIRPERSONS: Prof. Josephine Hegarty (UCC) & Terry Hanan (NCCP)
11:15 – 11:32 Sarah Moore (St. James Hospital). Establishing the First Prehabilitation Exercise Service for Patients in a National Cancer Centre in Ireland.
11:32 – 11:49 Dr. Linda O’Neill (TCD). Impact of a multidisciplinary rehabilitative programme on cardiopulmonary fitness in oesophageal cancer survivorship – the restore randomised controlled trial.
11:49 – 12:06 Maria Kelly (UL). The Potential and Challenges of using Routine Linked Health Data in Palliative Care Research in Ireland.
12:23 – 12:40 Dr. Nicholas Clarke (OCC). The role of Health Literacy in Self-management, Quality of Life and Fear of Recurrence in Head and Neck Cancer Survivors.
12:40 – 12:57 Dr. Amy Mullee (UCC). Patient sources of diet and nutrition information after a cancer diagnosis.
13:15 – 14:00 Lunch
14:00 – 15:00 POSTER SESSION 2

SESSION 3 PALLIATIVE AND END OF LIFE CARE
CHAIRPERSONS: Shamien Foley (Irish Hospice Foundation) & Karen Charnley (All Ireland Institute of Hospice and Palliative Care, ANWCC)
15:00 – 15:35 Prof. Gunn Grande (University of Manchester). How do we support family carers to support patients towards the end of life?
15:35 – 16:00 Dr. Suzanne Guerin (UCC). Promoting Research Impact in Palliative and End of Life Care through Effective Knowledge Transfer and Exchange.
16:00 – 16:25 Dr. Bernadette Brady (Our Lady's Hospice & Care Services). Pathophysiology of Cancer-Related Fatigue.
16:45 – 17:00 Tea / Coffee Break

SESSION 4 PSYCHO-ONCOLOGY & PATIENT-REPORTED OUTCOME MEASURES
CHAIRPERSONS: Louise Mullen (NCCP) & Dr. Helen Greally (Cancer Care West & NCCP)
17:00 – 17:35 Prof. Claire Foster (University of Southampton). Why do patient reported outcomes matter in cancer care?
18:10 – 18:35 Dr. Patricia Flanigan (OCC). The person, cancer survivorship and personally meaningful outcomes.
18:35 – 19:00 Richard Stephens (Former Chair of the NCR Consumer Forum). Living With and Beyond Cancer – UK Patients’ Top Ten Research Priorities (And 16 More Too).
**BIOMETICAL SESSIONS**

**SESSION 5**
CANCER EPIDEMIOLOGY - FROM MOLECULES TO POPULATIONS

**CHAIRPERSONS:** Dr. James Brown (UL) & Dr. Paul Murray (UL)

- **09:00 – 09:30**
  Prof. Helen Coleman (QUB), Insights from Molecular Pathology Epidemiology studies of Desophageal and Colorectal Neoplasia.

- **09:30 – 10:00**
  Dr. Catherine de Martel (IARC), Global burden of cancer attributable to infections in 2018.

- **10:00 – 10:30**
  Dr. Maria Teresa Landi (NIH), Sherlock-Lung: Tracing lung cancer mutational processes in never smokers.

**GOLD SPONSOR PRESENTATION Fluidigm UK Ltd.**

- **10:30 – 10:45**
  Thomas Adjemian (Field Applications Specialist, Mass Cytometry, Fluidigm), Maspar Direct Immune Profiling Assay. Stay ahead of the curve with CyTOF...30 Markers are only the beginning!

- **10:45 – 11:15**
  Tea / Coffee Break

**SESSION 6**
BREAKTHROUGH CANCER RESEARCH SESSION

**CHAIRPERSONS:** Orla Dolan (Breakthrough Cancer Research) & Dr. Denis Collins (DCU)

- **11:15 – 11:30**
  Jennifer Quinn (PhD Student UCC), Induction of Autophagy following treatment with chemotherapeutic agents promotes recovery and chemo-resistance in ovarian cancer cells.

- **11:30 – 11:45**
  Viktorija Juric (PhD Student NUI Galway), Interrogating cyclin-dependent-kinase (CDK) inhibitors as novel treatment strategy for glioblastoma patients.

- **11:45 – 12:00**
  Shannon Nelson (PhD Student DCU), Primary cell line organoids (CLOs) as a novel and alternative 3D organotypic cell model for pancreatic cancer.

- **12:00 – 12:15**
  Maria Daven (PhD Student TCD), The double-edged sword of chemotherapy in esophageal adenocarcinoma.

- **12:15 – 12:30**
  IACR AGM

- **13:00 – 14:00**
  Lunch

**SESSION 7**
PROFESSOR JOHN FITZPATRICK ORAL POSTER PRESENTATIONS

8 x 7 min presentations. Selected from abstract submissions.

**CHAIRPERSONS:** Dr. Antoinette Perry (UCD) & Dr. Aileen Houston (UL)

- **14:00 – 14:07**
  Debbie O’Reilly (PhD Student UCD), Increased intracellular calcium through CaV1.3 promotes resistance to androgen deprivation therapy in TMPRSS2:ERG prostate cancer.

- **14:07 – 14:14**
  Grant Godsmark (PhD Student UCC), Identification of a novel lysine site within the C-terminal tail of the IGF-1R linked to receptor stability and localisation in the ER.

- **14:14 – 14:21**
  Devin Wall-Coughlan (PhD Student NUI), Targeting IRAK1 in endocrine-resistant Breast Cancer.

- **14:21 – 14:28**
  Ashton Hutchinson (PhD Student QUB), Deciphering the angiogenic potential of secretory Leukocyte Protease Inhibitor (SLPI) in respiratory cancers.

- **14:28 – 14:35**
  Rachel Bleach (PhD Student RCSI), Levels of androstenedione are elevated in patients who recur on aromatase inhibitor therapy and mediates a differential androgen receptor interactome in breast cancer cells.

- **14:35 – 14:42**
  Niamh Leonard (PhD Student NUI Galway), Tumour-associated stroma can alter innate immune function contributing to the immunosuppressive cancer microenvironment.

- **14:42 – 14:49**
  Joanne O’Dwyer (PostDoc NUI Galway), Targeted delivery of Natural Killer cells to improve outcomes in ovarian cancer.

- **14:49 – 15:06**
  Mariela Kyoreva (PhD Student QUB), Identification of HER2 Interacting Partners and Their Role in Downstream Signalling.

- **15:06 – 15:15**
  PUBLIC VOTING SESSION

**SESSION 8**
IMMUNE MICROENVIRONMENT IN TUMOURS

**CHAIRPERSONS:** Dr. Aideen Ryan (NUIGalway) & Dr. Elizabeth Ryan (UL)

- **15:15 – 15:45**
  Dr. Aideen Ryan (NUIGalway), The bitter sweet side of stromal cell mediated immune suppression in colorectal cancer.

- **15:45 – 16:15**
  Dr. Jacqui Shields (Cambridge), Beyond the cancer cell: Exploring the tumour stroma as immune modulators.

- **16:15 – 16:45**
  Prof. Onno Kranenburg (UMC Utrecht), Organoid-based models for metastatic Colorectal Cancer with high microsatellite instability.

- **16:45 – 17:00**
  Tea / Coffee Break

**SESSION 9**
EACR YOUNG SCIENTIST AWARDEES

**CHAIRPERSONS:** Prof. Amanda McCann (TCD) & Dr. Graham Pidgeon (TCD)

- **17:00 – 17:15**
  Neil Conlon (EACR Junior Research Awarded), Pre-clinical rationale for combination of Neratinib and Dasatinib in HER2-positive breast cancer.

- **17:15 – 18:00**
  Manuela Salvucci (EACR Senior Research Awarded), Integrated multi-omics analysis from multi-region resections reveals further fine-grained taxonomies of colorectal cancer (CRC).

**THE IRISH ASSOCIATION FOR CANCER RESEARCH (IACR) AWARD FOR OUTSTANDING CONTRIBUTION TO CANCER MEDICINE AND RESEARCH**

**CHAIRPERSONS:** Prof. Joe Duffy (UCD), Biomarkers and Therapeutic Targets in Breast Cancer: From Laboratory Research to Clinical Trials.

- **18:00 – 18:45**
  Prof. Joe Duffy (UCD), Biomarkers and Therapeutic Targets in Breast Cancer: From Laboratory Research to Clinical Trials.

- **19:30 – 23:00**
  Reception and Gala Dinner with entertainment

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