



ANNUAL MEETING PROGRAMME Friday 11th October 2019	
08.00-09.00	Tea/Coffee/Scones/Meet the Sponsors <i>(All sponsors who support this meeting through the sponsorship of exhibition space alone have no input into the Agenda, speaker selection or content of this meeting)</i>
09.00-09.10	Opening of the Annual HAI Meeting – Dr Kathryn Boyd, President
09.10-10.10	SESSION 1 – Oral Presentations 6 x 10 minute Presentations Chairpersons: Dr Kathryn Boyd and Dr Anne Fortune
09.10-09.20	MESENCHYMAL STROMAL CELL SIALYLATION MODULATES ANTITUMOR IMMUNE RESPONSES IN MULTIPLE MYELOMA K Lynch ^{1,3} , Hannah Egan ^{2,3} , N Leonard ^{2,3} , O Treacy ^{2,3} , T Ritter ^{1,3} , K De Veirman ⁴ , K Vanderkerken ⁴ , A Ryan ^{1,2,3} , M O' Dwyer ^{1,5} ¹ College of Medicine, National University of Ireland, Galway, Galway, ² Discipline of Pharmacology and Therapeutics, National University of Ireland, Galway, Galway, Ireland ³ Regenerative Medicine Institute (REMEDI), National University of Ireland, Galway, Galway, Ireland ⁴ Labo Hematology and Immunology, Vrije Universiteit Brussel, Brussels, Belgium ⁵ Haematology Services, Galway University Hospital, Saolta University Health Group, Galway, Ireland
09.20-09.30	REVIEW OF CLINICAL UTILITY OF AGE-ADJUSTED D-DIMER ASSAY Sarah Kelliher ¹ , S Pearce ¹ , B Melvin ¹ , S Maung ¹ ¹ Department of Haematology, Our Lady's Hospital, Navan, Ireland
09.30-19.40	STRESS FIBER ALIGNMENT IS MORE SENSITIVE TO PLATELET CONTRACTILITY THAN LIGHT TRANSMISSION AGGREGOMETRY Martin Kenny , I Schoen, Molecular and Cellular Therapeutics, Royal College of Surgeons in Ireland, Dublin,
09.40-09.50	THE INCIDENCE AND MOLECULAR EPIDEMIOLOGY OF TP53 AND NOTCH1 MUTATION IN AN IRISH SUBPOPULATION Carmel Waldron ¹ , Brophy, S ⁵ , Perera K ² , Crotty G ² , Clifford R ³ , O'Leary H ³ , Lee G ¹ , Waldron D ⁴ , O'Brien D ⁴ , Atkinson E ⁵ , Mc Elligott T ⁶ , Bacon L ¹ , Quinn F ⁵ , and Vandenberghe E ¹ ¹ Haematology, St James's Hospital, Dublin, ² Haematology, Midlands Regional Hospital, Tullamore, ³ Haematology, University Hospital, Limerick, ⁴ Data Management, St James's Hospital, Dublin, ⁵ Immunophenotyping Laboratory, St James's Hospital, Dublin, ⁶ Cancer Molecular Diagnostics Laboratory, St James's Hospital, Dublin, ⁷ Leukaemia Research, Trinity College, Dublin
09.50-10.00	DEFINING THE MOLECULAR MECHANISMS UNDERLYING INTER-INDIVIDUAL VARIATION IN RECOMBINANT FVIII CLEARANCE IN PATIENTS WITH SEVERE HAEMOPHILIA A - THE iPATH STUDY Thomas Guest ¹ , N Larkin ² , A Patel ^{1,2} , R Jones ² , E Singleton ² , M Nolan ² , M Byrne ² , K Ryan ² , B O'Mahony ³ , N O'Connell ² , P Turecek ⁴ , M Lavin ^{1,2} , J O'Donnell ^{1,2} ¹ Irish Centre for Vascular Biology, Royal College of Surgeons in Ireland, Dublin , ² National Coagulation Centre, St. James's Hospital, Dublin , ³ Irish Haemophilia Society, Dublin , ⁴ Baxalta Innovation GmbH, Takeda, Vienna, Austria
10.00-10.10	DEVELOPMENT OF CRISPR-BASED TOOLS FOR ANALYSIS OF PROTEIN C PATHWAY FUNCTIONS Cormac J McDonnell ^{1,2} , AM Rehill ^{1,2} , S McCluskey ^{1,2} , RJS Preston ^{1,2} ¹ Irish Centre for Vascular Biology , RCSI, Dublin, ² Department of Molecular and Cellular Therapeutics, RCSI, Dublin ,

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10.10-10.40	STATE OF THE ART LECTURE: Introduced by: Prof. James O'Donnell 'Epigenetic disruption in leukaemia' <i>Dr Jonathan Bond, UCD Brendan McGonnell Professor of Paediatric Molecular Haemato-oncology, NCRC, Dublin</i>
10.40-11.10	TEA/COFFEE/POSTERS AND MEET THE SPONSORS <i>(All sponsors have supported this meeting through the sponsorship of exhibition space alone and have had no input into the Agenda, speaker selection or content of this meeting)</i>
11.10-12.50	Session 2: Chairpersons: Dr Amjad Hayat and Dr Janusz Krawczyk
11.10-11.40	STATE OF THE ART LECTURE: Introduced by: Prof. James O'Donnell "Low Von Willebrand Factor - exploring the etiology and clinical impact" <i>Dr Michelle Lavin, RCSI, Dublin</i>
11.40-12.20	STATE OF THE ART LECTURE – Introduced by: Dr Janusz Krawczyk Directions in the treatment of acute myeloid leukemia <i>Prof. Bob Löwenberg, Erasmus University Medical Center, Rotterdam</i>
12.20-12.50	AGM – All Welcome!
12.50-13.50	LUNCH
13.50-15.10	SESSION 3:– Chairpersons: Dr Sorcha Ni Loingsigh and Dr Chris McCauley
13.50-14.20	STATE OF THE ART LECTURE – Introduced by: Dr Chris McCauley 'Guidance on the management of polycythaemia vera and erythrocytosis' <i>Prof. Mary Frances McMullin, Belfast City Hospital</i>
14.20-15.10	4 x 10 Minute Oral Presentations
14.20-14.30	MACROPHAGE-DEPENDENT REGULATION OF PLASMIN GENERATION IS CONTROLLED BY MACROPHAGE POLARISATION STATUS Aisling M Rehill^{1,2}, S McCluskey^{1,2}, M Dockal³, R.J.S Preston^{1,2,4} ¹ Irish Centre for Vascular Biology, Royal College of Surgeons in Ireland, Dublin 2, ² Department of Molecular and Cellular Therapeutics, Royal College of Surgeons in Ireland, Dublin 2, ³ Baxalta Innovations GmbH, a Takeda company, Vienna, Austria ⁴ National Children's Research Centre, Our Lady's Children's hospital, Dublin 12,
14.30-14.40	NOVEL AGENT VP79S TARGETS STAT3 SIGNALLING IN MYELOMA CELLS OVERCOMING MICROENVIRONMENT INDUCED DRUG RESISTANCE Rebecca Amet^{1,2,3}, V Previtali³, PV Browne⁴, I Rozas³, AM McElligott², DM Zisterer¹ ¹ School of Biochemistry and Immunology, Trinity Biomedical Sciences Institute, Trinity College Dublin, Dublin, Ireland ² John Durkan Leukaemia Laboratories, , Trinity Translational Medicine Institute, Trinity College Dublin., Dublin, Ireland ³ School of Chemistry, Trinity Biomedical Sciences Institute, Trinity College Dublin, Dublin, Ireland ⁴ Department of Haematology, St James's Hospital, Dublin, Ireland
14.40-14.50	IDENTIFYING THE ROLE OF VON WILLEBRAND FACTOR IN BREAST CANCER BIOLOGY Sean Patmore¹, A Chion¹, C Drakeford¹, JG Fazavana¹, TC Guest¹, SE Ward¹, JS O'Donnell^{1, 2}, JM O'Sullivan¹ ¹ Irish Centre for Vascular Biology, RCSI, Dublin, Ireland ² National Coagulation Centre, St James Hospital, Dublin, Ireland
14.50-15.00	STEREOTYPED B CELL RECEPTORS PROVIDE ADDITIONAL PROGNOSTIC INFORMATION IN CHRONIC LYMPHOCYTIC LEUKAEMIA Fiona Quinn¹, E Atkinson¹, F Errity¹, A Dowling¹, S Alibasic¹, C.L. Bacon², E Vandenberghe^{1,2} ¹ Cancer Molecular Diagnostics, St. James Hospital, Dublin, Ireland ² Haematology , St. James Hospital, Dublin, Ireland
15.00-15.30	TEA/COFFEE/POSTERS AND MEET THE SPONSORS <i>(All sponsors have supported this meeting through the sponsorship of exhibition space alone and have had no input into the Agenda, speaker selection or content of this meeting)</i>

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15.40-16.20	STATE OF THE ART LECTURE – Introduced by: Dr Sorcha Ni Loingsigh <i>Haemostatic Resuscitation of Massively Bleeding Patients</i> Prof. Pär Johansson, Capital Region Blood Bank, Copenhagen University Hospital, Copenhagen, Denmark
16.20-17.20	PRESIDENT’S SYMPOSIUM – Chairpersons: Dr Kathryn Boyd and Prof. James O’Donnell
16.20-16.35	TARGETING CD38HIGH ACUTE MYELOID LEUKAEMIA WITH “AFFINITY OPTIMIZED” CHIMERIC ANTIGEN RECEPTOR AND MEMBRANE BOUND TRAIL EXPRESSING NATURAL KILLER CELLS Emma Nolan¹, A Stikvoort^{*2}, M Gurney¹, N Burduli¹, L Kirkham-McCarthy¹, J Daly¹, N Van De Donk², T Mutis², S Sarkar¹, M O'Dwyer¹ ¹ Apoptosis Research Centre, National University of Ireland Galway, Galway, ² Cancer Center Amsterdam, VU University Medical Center, Amsterdam, Netherlands
16.35-16.50	IDENTIFICATION OF MACROPHAGE GALACTOSE LECTIN 2 AS A NOVEL IN VON WILLEBRAND FACTOR CLEARANCE RECEPTOR Soracha E Ward¹, J M O'Sullivan¹, C Drakeford¹, A Chion¹, J S O'Donnell^{1,2} ¹ Irish Centre for Vascular Biology, Royal College of Surgeons in Ireland, Dublin, Ireland ² National Coagulation Centre, St James Hospital, Dublin, Ireland
16.50-17.05	INTEGRATION OF MOLECULAR TARGETED THERAPIES IN CHILDREN AND YOUNG ADOLESCENTS WITH ANAPLASTIC LARGE CELL LYMPHOMA CONFERS EXCELLENT OUTCOMES WITH REDUCED TOXICITY Peter McCarthy^{1,2}, J Harford¹, A O'Marcaigh¹, A Malone¹, P Evans¹, J Bond^{1,2}, A Trinquand¹, OP Smith^{1,2} ¹ National Children's Cancer Service, Children's Health Ireland at Crumlin, Dublin, ² Systems Biology Ireland, School of Medicine, University College Dublin, Dublin
17.05-17.20	NEXT GENERATION SEQUENCING OF TP53 MUTATIONS NEGATES THE NEED FOR FISH ASSESSMENT IN THE INVESTIGATION OF TP53 ABERRATIONS Mark Catherwood¹, D Cavalieri², N Appleby², D Bruce², D Donaldson¹, H Dreau², E ElHassadi⁴, A Hodgson⁵, A Hayat⁶, M Cahill⁷, J Quinn⁸, P Murphy⁸, K Mills⁹, D Gonzalez de castro⁹, A Timbs³, S Lawless¹, P Thornton⁸, A Schuh² ¹ Haematology, Belfast City Hospital, Belfast, ² Oxford Molecular Diagnostics Centre, Department of Oncology, University of Oxford, Oxford, UK ³ Oxford Molecular Diagnostics Centre, Oxford University Hospitals, Oxford, UK ⁴ Haematology, University Hospital Waterford, Waterford, ⁵ Haematology, Sligo University Hospital, Sligo, ⁶ Haematology, University College Hospital, Galway, ⁷ Haematology, Cork University Hospital, Cork, ⁸ Haematology, Beaumont Hospital, Dublin, Ireland ⁹ CCRCB, Queens University of Belfast, Belfast, UK
17.25-18.25	LIAM O’CONNELL LECTURE - Introduced by: Dr Amjad Hayat <i>Indolent Lymphoma, Changing the Paradigm</i> Nathan H. Fowler, M.D. Department of Lymphoma and Myeloma, Division of Cancer Medicine MD Anderson Cancer Center, University of Texas
18.25-19.45	OFFICIAL POSTER VIEWING AND ADJUDICATION

Time: 18.25-19.45

Poster Board Presentations

(Poster Board Presentation Walkabout and Adjudication)



ANNUAL MEETING PROGRAMME SATURDAY 12TH OCTOBER 2019	
09.45-11.00	Oral Presentations – Chairpersons: Dr Ruth Gilmore and Dr Siobhan Glavey
09.45-10.00	Novartis Fellowship Update – 2018 Winner Dr Mark Hughes, RCSI, Dublin
10.00-10.10	VIRTUAL CLINICS- THE REALITY OF THE FUTURE? Claire Comerford , Ryan E, Shaw G, Daly O, Molloy C, Ryan M, Mykytiv V, Duggan C, O'Shea D, Cahill M, Gilligan O. C Comerford 1, E Ryan1, G Shaw1, O Daly1, C Molloy1, M Ryan1, V Mykytiv1, C Duggan1, D O'Shea1, M Cahill1, O Gilligan1 1Haematology Department, Cork University Hospital, Cork , Ireland
10.10-10.20	NEW MOLECULAR DETERMINANTS OF BIASED PROTEASE-ACTIVATED RECEPTOR 1 SIGNALLING BY ACTIVATED PROTEIN C Orla Willis Fox ^{1,2} , EE Soule ^{1,2} , RJS Preston ^{1,2,3} 1Irish Centre for Vascular Biology, Royal College of Surgeons in Ireland, Dublin 2, Ireland 2Dept of Molecular and Cellular Therapeutics, Royal College of Surgeons in Ireland, Dublin 2, Ireland 3National Children's Research Centre, Our Lady's Children's Hospital, Crumlin, Dublin 12, Ireland
10.20-10.30	DEVELOPMENT OF A SMALL MOLECULAR INVERSION PROBE (SMMIPS) NEXT GENERATION SEQUENCING ASSAY FOR THE DETECTION OF MYD88 AND CXCR4 IN WALDENSTROM'S MACROGLOBULINEMIA - A PILOT STUDY Fiona Errity ¹ , J Jacob ¹ , M Catherwood ² , E Atkinson ¹ , D O'Brien ³ , CR Bacon ³ , E Vandenberghe ^{1,3} , C O'Brien ¹ , F Quinn ¹ 1Cancer Molecular Diagnostics, St. James's Hospital, Dublin, 2Haematology, Belfast University Hospital, Belfast, 3Haematology, St. James's Hospital, Dublin,
10.30-10.40	CHARACTERISATION OF A NEW MOUSE MODEL OF HAEMOPHILIA A DEVELOPED USING CRISPR/CAS9 TECHNOLOGY Ciara Byrne ¹ , B Gangadharan ² , A Yeow ¹ , JM O'Sullivan ³ , JS O'Donnell ^{3,4} , BM Reipert ² , PG Fallon ^{1,5} 1School of Medicine, Trinity Biomedical Sciences Institute, Trinity College Dublin, Dublin, 2Baxalta Innovations GmbH, a Takeda Company, Vienna, Austria 3Haemostasis Research Group, Irish Centre for Vascular Biology , Royal College of Surgeons in Ireland, Dublin, 4National Coagulation Centre, St James's Hospital, Dublin, 5Trinity Translational Medicine Institute, St James's Hospital, Dublin,
10.40-10.50	VON WILLEBRAND FACTOR REGULATES MACROPHAGE METABOLISM TO PROMOTE A PRO-INFLAMMATORY PHENOTYPE Clive Drakeford ^{1,2} , S Aguila ² , A Chion ² , E Breen ¹ , M Cervantes ³ , S Ward ^{1,2} , J O'Sullivan ² , J Fazavana ² , F Sheedy ¹ , J O'Donnell ^{1,2} ¹ School of Medicine , Trinity College Dublin, Dublin, ² Irish Center for Vascular Biology, RCSI, Dublin, ³ Molecular and Cellular Therapeutics , RCSI, Dublin, Ireland
10.50-11.00	STATIN AND COX-2 INHIBITOR EXPOSURE IS ASSOCIATED WITH IMPROVED SURVIVAL IN NEWLY DIAGNOSED DLBCL PATIENTS: A LARGE POPULATION BASED STUDY Liam Smyth ¹ , D Blunt ¹ , E Gatov ² , C Nagamuthu ² , R Croxford ² , L Mozessohn ¹ , M Cheung ¹ ¹ Odette Cancer Centre, Sunnybrook Health Sciences Centre, Toronto, Canada 2Cancer Research Program, Institute for Clinical Evaluative Sciences (ICES), Tononto, Canada
11.00-11.30	TEA/COFFEE AND MEET THE SPONSORS <i>(All sponsors who support this meeting through the sponsorship of exhibition space alone have no input into the Agenda, speaker selection or content of this meeting)</i>

ANNUAL MEETING PROGRAMME SATURDAY 12TH OCTOBER 2019	
11.30-12.50	Oral Presentations – Chairperson: Dr Anne Fortune and Dr Tony McElligott
11.30-11.40	ENHANCED IMMUNOGLOBULIN HEAVY CHAIN SEQUENCING STRATEGY UTILISING LEADER AND CONSTANT REGION PRIMERS IMPROVES SOMATIC HYPERMUTATION CLASSIFICATION STATUS IN IRISH PATIENTS Emer Atkinson¹, F Errity¹, A Dowling¹, S Alibasic¹, CL Bacon², E Vandenberghe^{1, 2}, F Quinn¹ ¹ Cancer Molecular Diagnostics, St James Hospital, Dublin, Ireland ² Haematology, St James Hospital, Dublin, Ireland
11.40-11.50	EXTENDED HALF-LIFE RECOMBINANT FACTOR IXFc IS EFFECTIVE IN PREVENTING BLEEDING AFTER MAJOR AND MINOR SURGERY IN SEVERE FACTOR IX DEFICIENCY Mairead T O'Donovan^{1,2}, K Johnston^{1,2}, E Singleton¹, S Roche¹, M Byrne¹, B Kevane¹, K Ryan¹, NM O'Connell^{1,2} ¹ National Coagulation Centre, St James's Hospital, Dublin 8, Ireland ² School of Medicine, Trinity College Dublin, Dublin 2, Ireland
11.50-12.00	'TRAINED' MACROPHAGES ACCELERATE TISSUE FACTOR-MEDIATED BLOOD COAGULATION Seán McCluskey^{1,2}, AM Rehill^{1,2}, RJS Preston^{1,2,3} ¹ Irish Centre for Vascular Biology, Royal College of Surgeons In Ireland, Dublin 2, ² Dept of Molecular and Cellular Therapeutics, Royal College of Surgeons In Ireland, Dublin 2, ³ National Children's Research Centre, Our Lady's Children's Hospital, Crumlin, Dublin 12,
12.00-12.10	EPIDEMIOLOGY OF BURKITT'S LYMPHOMA IN EUROPE: FINDINGS FROM RARECARENET. Charlene McShane¹, LA Anderson^{1,2} ¹ Centre for Public Health, Queen's University Belfast, Belfast, Northern Ireland
12.10-12.50	STATE OF THE ART LECTURE: Introduced by: Dr Kathryn Boyd <i>Next Generation Sequencing Strategy for Diagnosis/Prognosis of Lymphoproliferative Disorders Developed by Our Euroclonality Consortium</i> <i>Prof. David Gonzalez de Castro, Queen's University Belfast</i> <i>School of Medicine, Dentistry and Biomedical Sciences, CCRCB, Belfast</i>
12.50-13.00	Close of Conference/Awarding of Prizes/Quiz Results
13.00-14.15	Lunch

This meeting is kindly sponsored by: AbbVie, Accord, Alexion, Alnylam, Amgen, Bristol-Myers Squibb, Caragen, Celgene, Fannin, Gilead, Healthcare21, Incyte, Janssen, Jazz Pharma, Leo Pharma, Mundipharma, Novartis, Octapharma, Pfizer Hospital, Pfizer Oncology, Roche, Sanofi Genzyme, Shire, Sobi, Takeda and Therakos through the purchase of exhibition stand space

SATURDAY 12th OCTOBER, 2019

Time: 14.00-17.00

**Education Session for SpRs, Registrars & Trainees in
Haematology**