



ANNUAL MEETING PROGRAMME

Friday 13th October 2017

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 Eibhlin Conneally, President
09.10-10.50	SESSION 1 – Oral Presentations 5 x 10 minute Presentations Chairpersons: Dr Kathryn Boyd & Dr Tony McElligott
09.10-09.20	THE MACROPHAGE GALACTOSE LECTIN (MGL) MODULATES THE CLEARANCE OF VON WILLEBRAND FACTOR Soracha E. Ward ^{1,2} , J.M. O'Sullivan ¹ , C Drakeford ^{1,2} , S A. Martinez ¹ , M Lavin ¹ , A Chion ¹ , J. S O'Donnell ¹ ¹ Irish Centre for Vascular Biology, Royal College of Surgeons in Ireland, Dublin, Ireland ² School of Medicine, Trinity College Dublin, Dublin, Ireland
09.20-09.30	HIGH-THROUGHPUT SCREEN IDENTIFICATION OF ALBENDAZOLE AS A NOVEL REPURPOSED DRUG IN ACUTE MYELOID LEUKAEMIA Kyle B Matchett ¹ , IV Grishagin ¹ , C Dowling ² , T Ni Chonghaile ² , KI Mills ¹ , A Thompson ^{1,3} ¹ Centre for Cancer Research and Cell Biology, Queen's University Belfast, Belfast, UK ² Department of Physiology and Medical Physics, Royal College of Surgeons in Ireland, Dublin, Ireland, ³ Wolfson Centre for Stem Cells, Tissue Engineering and Modelling, University of Nottingham, Nottingham, UK
09.30-09.40	DEFINING THE MOLECULAR REQUIREMENTS FOR EXTRACELLULAR HISTONE PROTEOLYSIS BY VITAMIN K-DEPENDENT COAGULATION PROTEASES Aisling M Rehill ^{1,2} , M Little ² , RJS Preston ¹ ¹ Irish Centre for Vascular Biology, Royal College of Surgeons in Ireland, Dublin, Ireland ² Trinity Health Kidney Centre, Trinity College Dublin, Dublin, Ireland
09.40-09.50	IN-VIVO MODELING AND CRISPR GENOME-WIDE SCREENING IDENTIFY OPTIMAL USE OF NOVEL KINASE INHIBITOR BASED STRATEGIES ALONG WITH CLINICALLY PREDICTIVE BIOMARKERS FOR TREATMENT OF MULTIPLE MYELOMA Niamh Keane ^{1,2} , A Natoni ¹ , M Sharik ² , M Chesi ² , PL Bergsagel ² , ME O'Dwyer ¹ ¹ Department of Haematology, National University of Ireland Galway, Galway ² Mayo Clinic, Scottsdale AZ, USA
09.50-10.00	UPTAKE, OUTCOME AND BARRIERS TO COMMENCING LONG TERM TRANSFUSION PROGRAMMES IN CHILDREN WITH SICKLE CELL DISEASE WHO ARE AT RISK OF STROKE. Ahmed Bannaga ¹ , R Geoghegan ¹ , H Conroy ¹ , C McMahan ¹ ¹ Department of Haematology , Our Lady's Children's Hospital, Crumlin, Dublin 12, Ireland
10.00-10.45	STATE OF THE ART LECTURE – Introduced by: Dr Diarmaid O'Donghaile Hemostatic Therapy in the NICU and PICU: Are vials and bottles replacing Bags of Blood Products? Dr Naomi Luban, <i>Paediatric Hematology/Pediatric Transfusion Director, Transfusion Medicine, The Edward J. Miller Donor Center Medical Director, Office of Human Subjects (OPHS) Chair, Institutional Review Board, Washington DC</i>
10.45-11.15	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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11.15-12.45	Session 2: Chairpersons: Prof. Mary Cahill & Dr Jeremy Sargent
11.15-11.55	<p>STATE OF THE ART LECTURE: Introduced by: Dr Jeremy Sargent</p> <p><i>Aplastic Anaemia</i> Dr Ronan Desmond, Consultant Haematologist AMNCH, Tallaght, Dublin</p>
11.55-12.45	5 x 10 Minute Oral Presentations
11.55-12.05	<p>ALTERATED SIALYLATION IN PATIENTS WITH LOW VON WILLEBRAND FACTOR LEVELS Sonia Aguila¹, M Lavin^{1,2}, N Dalton¹, A Chion¹, T Brophy¹, PD James³, J Di Paola⁴, JS O'Donnell^{1,2}</p> <p>¹Department of Molecular and Cellular Therapeutics , Irish Centre for Vascular Biology, Royal College of Surgeons in Ireland, Dublin, Ireland ²National Centre for Coagulation Disorders, St James's Hospital, Dublin, Ireland ³Department of Medicine, Queen's University, Kingston, Ontario, Canada ⁴Department of Pediatrics and Human Genetics and Genomics Program, University of Colorado, Anschutz Medical Campus, Aurora, Colorado, United States</p>
12.05-12.15	<p>UNMUTATED IGHV AND DOUBLE NEGATIVE CD38/CD49D EXPRESSION CAN PREDICT LONG TERM TREATMENT FREE SURVIVAL IN CHRONIC LYMPHOCYTIC LEUKAEMIA IRRESPECTIVE OF GENETIC MUTATIONS Saad Ahmed¹, J Quinn², M Catherwood³, P Thornton², S Bergin², P Kennedy², JT Cheah¹, S Elsir¹, B Hennessy¹, P Murphy²</p> <p>¹Molecular Medicine Department, RCSI, Beaumont Hospital, Dublin, Ireland ²Haematology Department, Beaumont Hospital, Dublin, Ireland ³Haematology Department, Belfast City Hospital, Belfast, UK</p>
12.15-12.25	<p>NOVEL ROLES FOR VON WILLEBRAND FACTOR IN MEDIATING PRO-INFLAMMATORY SIGNALLING IN MACROPHAGES Clive Drakeford^{1,2}, S Aguila², A Chan², J O'Sullivan², S Ward^{1,2}, M Lavin^{1,2}, J O'Donnell^{1,2}</p> <p>¹School of Medicine , Trinity College Dublin, Dunlin, Ireland ²Irish Center for Hematology , Royal College of Surges , Dublin, Ireland</p>
12.25-12.35	<p>THE EVALUATION OF SYSMEX XN SERIES OPTICAL RED CELL PARAMETERS IN PATIENTS WITH RAISED MEAN CELLULAR HAEMOGLOBIN CONCENTRATIONS ABOVE 36.5G/DL. Jane Culligan¹, W Keogh¹, M Fay¹</p> <p>¹Haematology Laboratory, Mater Misericordiae University Hospital, Dublin, Ireland</p>
12.35-12.45	<p>IDENTIFICATION OF ACCELERATED SHEDDING OF THE THROMBOMODULIN CYS537STOP VARIANT BY RHOMBOID-LIKE 2 REVEALS THE MECHANISTIC BASIS OF THROMBOMODULIN-ASSOCIATED COAGULOPATHY Erin E Soule¹, O Fox, L Quinn², RJS Preston^{1,2}</p> <p>¹Irish Centre for Vascular Biology, RCSI, Dublin, Ireland ²National Children's Research Centre, Our Lady's Children's Hospital Crumlin, Dublin</p>
12.45-13.45	LUNCH
13.45-15.15	SESSION 3:– Chairpersons: Dr Michelle Lavin & Dr Anne Fortune
13.45-14.30	<p>STATE OF THE ART LECTURE – Introduced by: Dr Michelle Lavin</p> <p><i>'Management of Waldenstroms Macroglobulinaemia in 2017 and Beyond'</i> Dr. Steven Treon, Director of the Bing Center for Waldenstroms Research/ Attending Physician for Medical Oncology Dana-Farber Cancer Institute and Brigham and Womens Hospital, Boston, Massachusetts</p>



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14.30-15.15	STATE OF THE ART LECTURE – Introduced by Dr Eibhlin Conneally <i>Clinical Presentation, Pathogenesis and Treatment of Hemophagocytic Lymphohistiocytosis in Adult Patients</i> Professor Paul La Rosée Director, HLHia-CENTER JENA University Hospital Jena, Dept. Haematology and Medical Oncology
15.15-15.45	TEA/COFFEE/POSTERS 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>
15.45-17.15	PRESIDENT’S SYMPOSIUM – Chairpersons: Dr Eibhlin Conneally & Dr Fionnuala Ní Áinle
15.45-16.00	UNCOUPLING ACTIVATED PROTEIN C FUNCTIONS BY INHIBITION OF POST-TRANSLATIONAL BETA-HYDROXYLATION Orla Willis Fox¹, EM Gleeson², RJS Preston^{1,2} ¹ Irish Centre for Vascular Biology, Royal College of Surgeons in Ireland, Dublin 2, Ireland ² National Children's Research Centre, Our Lady's Children's Hospital Crumlin, Dublin 12, Ireland
16.00-16.15	MYC TRANSLOCATIONS IDENTIFIED BY SEQUENCING PANEL IN SMOLDERING MULTIPLE MYELOMA STRONGLY PREDICT FOR RAPID PROGRESSION TO MULTIPLE MYELOMA Niamh Keane^{1,2}, C Stein¹, D Angelov¹, S Tian³, D Viswanatha⁴, SK Kumar⁴, A Dispenzieri⁴, RA Kyle⁴, R Fonseca¹, AK Stewart¹, E Braggio¹, Y Asmann³, ME O'Dwyer², SV Rajkumar⁴, PL Bergsagel¹ ¹ Division of Hematology and Oncology, Mayo Clinic, Scottsdale AZ, USA ² Department of Haematology, National University of Ireland Galway, Galway, ³ Mayo Clinic , Jacksonville FL, USA ⁴ Division of Hematology, Mayo Clinic, Rochester MN, USA
16.15-16.30	THE ROLE OF DNA REPAIR MECHANISMS IN ACUTE MYELOID LEUKAEMIA Clare C Crean¹, KM Mills¹, KS Savage¹ ¹ Centre for Cancer Research and Cell Biology , Queen's University Belfast , Belfast , U.K.
16.30-16.45	IMMUNE MEDIATED THROMBOCYTOPAENIA IN CHILDREN: WHAT HAPPENS AFTER THE REFERRAL? A 7 YEAR RETROSPECTIVE REVIEW IN A TERTIARY PAEDIATRIC HAEMATOLOGY CENTRE Rincy Koshy, B Nolan ¹ Paediatric Haematology Department, Our Lady's Children's Hospital, Crumlin , Dublin
16.45-17.00	AN ANALYSIS OF RED BLOOD CELL TRANSFUSIONS PRACTICE IN A LARGE TERTIARY HOSPITAL Sarah Darcy¹, N Orfali¹, D Gough¹, E Groarke^{1,2}, AM McCann¹, D O'Donghaile^{1,2} ¹ Dept. of Transfusion Medicine, St. James's Hospital, Dublin , ² National Blood Centre, Irish Blood Transfusion Service, Dublin
17.00-17.15	ANALYSIS OF REQUESTING PATTERNS OF HAEMATINICS IN GENERAL PRACTICE Noirin O'Herlihy, SLC Cadogan, MRC Cahill¹ ¹ Department of Haematology, Cork University Hospital, Cork, Ireland

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17.15-18.15	LIAM O'CONNELL LECTURE – Introduced by: Dr Ronan Desmond <i>Gene Therapy Trials</i> <i>Dr Cynthia Dunbar, Senior Investigator</i> <i>Molecular Hematopoiesis Section, NIH, Bethesda, USA</i>
18.15-18.25	AGM – ALL WELCOME!
18.30-19.45	OFFICIAL POSTER VIEWING AND ADJUDICATION

FRIDAY 13th OCTOBER, 2017

Time: 15.30

Laboratory Science Session

Guest Lecture: Prof. Mary Cahill

Time: 18.30-19.45

Poster Board Presentations

**(Poster Board Presentation Walkabout and
Adjudication)**



ANNUAL MEETING PROGRAMME
SATURDAY 14TH OCTOBER 2017

09.30-11.00	Oral Presentations – Chairpersons: Dr Anne Fortune & Dr Kathryn Boyd
09.30-09.40	IMPACT OF IMMATURE PLATELET FRACTION (IPF%) ANALYSIS ON PLATELET TRANSFUSION PRACTICE Angela Cooke ¹ , AM Ryan ¹ , S Kumar ¹ , B Hennessy ¹ , E ElHassadi ¹ ¹ Blood Transfusion Department, University Hospital Waterford, Waterford, Ireland
09.40-09.50	IMMUNOTHERAPEUTIC TARGETING OF SIGLEC-7 AS A NOVEL APPROACH TO POTENTIATE THE CYTOTOXIC FUNCTIONS OF NATURAL KILLER CELLS AGAINST MULTIPLE MYELOMA J Daly ¹ , T Duggan ¹ , J Hu ¹ , A Natoni ¹ , S Sarkar ¹ , L Kirkham-McCarthy ¹ , C McEllistrim ^{1,2} , J Krawczyk ^{1,2} , Michael O'Dwyer^{1,2} ¹ Apoptosis Research Centre, National University of Ireland Galway, Galway, ² Haematology, University Hospital Galway, Galway
09.50-10.00	METHYLATION IN MYELOPROLIFERATIVE NEOPLASM PATIENTS AS A CORRELATE FOR DISEASE STATUS, ALLELE BURDEN AND THERAPEUTIC RESPONSE Suzanne McPherson ¹ , H Hasselbalch ² , C Andersen ² , MF McMullin ³ , K Mills ¹ ¹ Centre for Cancer Research and Cell Biology, Queens University Belfast, Belfast, UK ² Department of Haematology, Roskilde Hospital, Roskilde, Denmark ³ CME, School of Medicine, Dentistry and Biomedical Sciences, Queens University Belfast, Belfast, UK
10.00-10.10	THE INCIDENCE OF INVASIVE FUNGAL INFECTIONS IN CHILDREN, ADOLESCENTS AND YOUNG ADULTS WITH ACUTE LYMPHOBLASTIC LEUKAEMIA/LYMPHOMA TREATED WITH THE UKALL2011 PROTOCOL: A MULTICENTRE RETROSPECTIVE STUDY Maeve A O'Reilly ¹ , D Govender ² , A Vora ² , S Samarasinghe ² , A Khwaja ³ , V Grandage ¹ , A Rao ² , P Ancliff ² , D Cheng ² , B Carpenter ¹ , S Daw ¹ , D O'Connor ² , R Hough ¹ ¹ Department of Adolescent Haematology, University College London Hospital, London, ² Department of Paediatric Haematology, Great Ormond Street Hospital, London, ³ Department of Young Adult Haematology, University College London Hospital, London, United Kingdom
10.10-10.20	PREVENTING HOSPITAL-ACQUIRED VENOUS THROMBOEMBOLISM – THE NATIONAL IMPROVEMENT COLLABORATIVE Ciara Kirke ¹ , D Vaughan ² , P Crowley ¹ ¹ Quality Improvement Division, Health Service Executive, Dublin, Ireland ² Children's Hospital Group, Health Service Executive, Dublin, Ireland
10.20-10.30	PROLONGED MOLECULAR AND CLINICAL REMISSIONS IN FOLLICULAR LYMPHOMA PATIENTS TREATED WITH HDT/ASCT AND COMBINATION IMMUNOTHERAPY WITH RITUXIMAB AND INTERFERON α Liam Smyth ¹ , R Buckstein ^{1,2} , N Pennell ^{1,3} , R Weerasinghe ¹ , M Cheung ^{1,2} , E Piliotis ^{1,2} , K Imrie ^{1,2} , D Spanner ^{1,2} , M D Reis ³ , L Chodirker ¹ , Z Ghorab ³ , V Milliken ¹ , A Boudreau ¹ , N Berinstein ^{1,2} ¹ Odette Cancer Centre, Sunnybrook Health Sciences Centre, Toronto, Canada ³ Department of Pathology, Sunnybrook Health Sciences Centre, Toronto, Canada
10.30-10.40	CHARACTERISATION OF NAÏVE IMMUNOLOGICAL PROFILE OF UMBILICAL CORD BLOOD Eamon P Breen ^{1,2} , S Brophy ¹ , R Cleary ³ , N Gardiner ³ , DG Doherty ⁴ , B Byrne ⁵ , PB Browne ^{1,6} , AM McElligott ¹ , CM Flynn ^{5,6} ¹ The John Durkan Leukaemia Laboratories, TTMI, TCD, Dublin, ² Flow Cytometry Facility, TTMI, TCD, Dublin, ³ The Cryobiology Laboratory Stem Cell Facility, St James's Hospital, Dublin, ⁴ Department of Immunology, TTMI, TCD, Dublin, ⁵ , Coombe Women and Infants University Hospital, Dublin, ⁶ Department of Haematology, St James's Hospital, Dublin

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10.40-10.50	TREATMENT OF PATIENTS WITH CHRONIC MYELOID LEUKAEMIA IN THE TYROSINE KINASE INHIBITOR ERA – RESPONSE, TOXICITY, AND THE POTENTIAL FOR TREATMENT FREE REMISSION: RESULTS OF A SINGLE CENTRE STUDY IN A TERTIARY REFERRAL HOSPITAL (2002-2016) E Groarke ¹ , G Lee ¹ , S Langabeer ² , E Conneally ¹ ¹ Department of Haematology, St. James's Hospital, Dublin 8, ² Cancer Molecular Diagnostics, St. James's Hospital, Dublin 8
10.50-11.00	THE E3 LIGASE HUWE1 IS A POTENTIAL THERAPEUTIC TARGET IN MULTIPLE MYELOMA L Crawford ¹ , D Chauhan ² , AE Irvine ¹ ¹ CCRCB, Queen's University Belfast, Belfast, ² The LeBow Institute for Myeloma Therapeutics & Jerome Lipper Myeloma Center, Dana-Farber Cancer Institute, Boston, USA
11.00-11.15	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>
11.15-11.55	STATE OF THE ART LECTURE – Introduced by: Dr Roger Preston <i>“Fibrinogen, Factor XIII, and Red Blood Cells in Thrombosis”</i> Alisa S. Wolberg, PhD, FAHA Professor, Pathology and Laboratory Medicine University of North Carolina
11.55-12.40	STATE OF THE ART LECTURE – Introduced by: Dr Eibhlin Conneally ADVANCES IN AML Professor Charles Craddock, Institute of Cancer and Genomic Sciences Professor of Haemato-oncology, Queen Elizabeth Hospital, Queen Elizabeth Medical Centre, Birmingham
12.40-12.45	Prizes and Close of Meeting
12.45-14.15	Lunch and Quiz

SATURDAY 14th OCTOBER, 2017

Time: 14.30-17.00

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