ISLH - International Society Laboratory Hematology

A Sociedade Internacional de Hematologia Laboratorial (ISLH) foi fundada em 1992 por um grupo de profissionais da área laboratorial para mapear novas direções na hematologia laboratorial.

Sua origem vem da reunião do “Technical Innovations in Laboratory Hematology” em 1984, em Lake Louise, Alberta Canadá.
A revista “Laboratory Hematology” foi indexada em 2003.
A Sociedade está com mais de 700 participantes em 50 países nos EUA, Europa e Ásia e nesse ano na primeira vez no Brasil através da ABHH no HEMO 2012 no Rio de Janeiro.

O ISLH tem desenvolvido padronizações (Standards) e diretrizes (Guideliness) para a hematologia laboratorial, como exemplos recentes: os métodos de referencia para contagem de plaquetas, estabelecimento de critérios para automação em hemograma e avaliação de lamínas.
Sua aproximação com o ICSH (International Committee for Standardization in Hematology) tem trazido a bagagem técnica necessária para consolidar o conhecimento na área.

As áreas de disseminação de novas ideias e estudos através de simpósios, pesquisas e revisões em revistas são;

Analise celular
Citometria de Fluxo
Hemostasia e Trombose
Diagnóstico molecular
Informática em hematologia
Hemoglobinopatia
Anemias hemolíticas
Testes laboratoriais remotos (point of care)
Padronizações e Diretrizes (Standards and Guidelines)

No dia 09 de Novembro de 2012 durante o HEMO 2012 acontecerá “The Best of ISLH”, no qual das 8:30h às 18:00h teremos 10 experts em Hematologia Laboratorial palestrando pela primeira vez no Brasil.
Oportunidade impar de ampliar conhecimentos e estreitarmos relacionamentos internacionais.

ISLH no Brasil

HEMO 2012

* ABHH Suggestion: Friday, 9 - ISH Symposium - Best of ISH 2012*
Palestrantes confirmados e temas que serão abordados:

Charles Eby (USA)
*Update on monitoring antithrombotic therapies - focus on oral direct thrombin and factor Xa inhibitors*

Catherine Hayward (Canada)
*Laboratory evaluation of selected disorders of platelets and von Willebrand factor*

Maria Protecheva (USA)
*Laboratory Hematology standards - contributions from ICSH*

Brent Wood (USA)
*Flow cytometry applications in malignant hematology*

Marciano Reis (USA)
*Flow cytometry application to diagnosis of red cell disorders*

LoAnn Peterson (USA)
*Diagnostic advances in lymphoid malignancies*

Tracy George (USA)
*Diagnosis and monitoring of myeloproliferative disorders*

Alexander Kohlmann (Germany)
*Genomics of hematologic malignancies*

C. Harteveld (Netherlands)
*Advances in diagnosis of Thalassemias and Hemoglobinopathies*

Dorine Swinkels (Netherlands)
*Utility of hepcidin concentration and automated red cell analysis to diagnose anemia of chronic disease*
Charles Eby; MD, United States

Update on monitoring antithrombotic therapies- focus on oral direct thrombin and factor Xa inhibitors.

Was educated at the following institutions: Medical School in Vanderbilt University (1981).
Member of Barnes-Jewish Hospital Credentialing and Health Information Management Committees. Associate Director of Educational Programs, medicine professor in Pathology and Immunology, Division of Laboratory Medicine and Associate Chief on Divison of Laboratory and Genomic Medicine. Expert in diagnosis and management of bleeding and clotting disorders.
E-mail: eby@wustl.edu

Researchs

Determination of genetic contributions to the variability of warfarin dosing through analysis of SNPs in cytochrome 2C9, VKOR, and coagulation factors VII and II genes.
Evaluation of protein and molecular risk factors for venous thromboembolic events.
Study of acquired functional iron deficiency in cancer patients receiving recombinant erythropoietin.
Selected Publications


Catherine P. M. Hayward, MD, PhD, FRCPC, Canada

Laboratory evaluation of selected disorders of platelets and von Willebrand factor.

Was educated at the following institutions: Ph.D. (Gold Medalist) Medical Sciences, McMaster University, 1995
M.D. University of Western Ontario, 1984
B.Sc. Biology, University of Western Ontario, 1980
Associate Member in Department of Medicine, Faculty of Health Sciences Research Council, Pathology and Molecular Medicine Professor.
Expert in Head, Coagulation, Hamilton Regional Laboratory Medicine.
Email: haywrdc@mcmaster.ca
Website: www.fhs.mcmaster.ca/path

Researchs

The emphasis of our research is on conducting bench to bedside studies of molecules important to blood clotting and vascular repair.
Our studies include investigations of a new protein discovered in our laboratory, named multimerin 1, that functions as an adhesive protein in blood and blood vessels, and as a binding protein for coagulation factor V.
Other studies target the formation and functions of platelets and megakaryocytes, including how they are altered by disease.
In conjunction with the Transfusion Research Program at McMaster University, and clinical services in the hospital, we are developing clinical history assessment tools to evaluate bleeding disorders, and are investigating causes of bleeding problems and platelet disorders.
A condition known as the Quebec Platelet Disorder, was first described by our group. It is the first bleeding disorder associated with increased urokinase-type plasminogen activator, and we are now investigating its genetic cause and how it causes bleeding.
Selected Publications


Laboratory Hematology standards—contributions from ICSH.

Was appointed Medical Director Laboratory / Associate Professor in Pathology on March 5, 2012, and is responsible for the overall operation, leadership, direction, and administration of the Clinical Laboratory at UMC. Dr. Proytcheva completed her training program at the Albert Einstein College of Medicine; was followed by a Hematology Fellowship at Cornell University, and then a Blood Bank Transfusion Medicine Fellowship at Yale University School of Medicine. She holds a primary certificate from the American Board of Pathology in Anatomic and Clinical Pathology and subspecialty certification in Hematology, Blood Bank and Transfusion Medicine. Since 2003, she was appointed Assistant Professor at Northwestern University Feinberg School of Medicine in the Department of Pathology. Her recent areas of service were Director of Hematology Laboratories, Director of Hematopathology, and Director of the Residency Program Pediatric Pathology at Children’s Memorial Hospital, Chicago, IL. Email: mproyctcheva@email.arizona.edu

Selected Publications:


---

Dr. Brent L. Wood, MD, PhD, United States

**Flow cytometry applications in malignant hematology.**

Was educated at the following institutions in Medical School-Loma Linda University (1990), PhD in Biochemistry in Loma Linda University (1988). Dr. Wood practices hematology and clinical pathology & anatomic pathology in Seattle, Washington, University Of Washington Medical Ctr., Seattle Cancer Care Alliance, Eastlake Ave E. and Harborview Medical Center.
Has obtained board certification from the member board for Pathology - Hematology and Anatomic Pathology & Clinical Pathology. Expertise in hematopathology and flow cytometry. Medical Director of SCCA Laboratories, Director of Hematopathology and Pathology Laboratories, University of Seattle, EUA.

Email: woodbl@u.washington.edu

Selected Publications:


Depressive Symptoms In Children With Cystic Fibrosis And Parents And Its Effects On Adherence To Airway Clearance. Pediatric Pulmonology; February 2011.


Marciano Reis, M.D., FRCPC, Canada

Flow cytometry application to diagnosis of red cell disorders.

Was educated at the following institutions in Medical School in Federal University of Paraná, Curitiba, Paraná, Brazil (1976). Hematologist Chief in Department of Laboratory Hematology University Health Network. Chief, Departments of Clinical Pathology- Sunnybrook Health Sciences Centre and Women's College Hospital. Chief in Clinical Pathology- Sunnybrook Health Sciences Centre- and in Clinical Pathology- Women's College Hospital. Associate Professor, departments of Laboratory Medicine and Pathobiology and Medicine, U. of Toronto
Email: marciano.reis@sunnybrook.ca

Researchs

Molecular genetics, especially applied to lymphomagenics: Enumeration and processing of hematopoietic stem cells for therapeutic use; Patient safety in transfusion medicine, through the analysis of medical errors/events in transfusion medicine and the search for solutions to eliminate or greatly reduce these anomalies.
Selected Publications


LoAnn C Peterson, MD, United States

Diagnostic advances in lymphoid malignancies.

Was educated at the following institutions in Medical University of Minnesota, Twin Cities (1971).
Expertise in Chromosome Aberrations; Chronic B-Cell Lymphocytic Leukemia; Hairy Cell Leukemia; Mantle-Cell Lymphoma Non-Hodgkin Lymphoma.

Selected Publications

*Nuclear expression of sox11 is highly associated with mantle cell lymphoma but is independent of t(11;14)(q13;q32) in non-mantle cell B-cell neoplasms.*


*Primary mediastinal large B-cell lymphoma in HIV: report of two cases.*


Tracy George, MD. , United States

Diagnosis and monitoring of myeloproliferative disorders.

She completed her fellowship in hematopathology in 2001 at Stanford University and her residency in anatomic and clinical pathology in 2000 at the
University of California, San Francisco. She received her MD in 1995, also from UCSF. Her professional affiliations include the Society for Hematopathology, the College of American Pathologists, the American Society of Clinical Pathologists, the American Society of Hematology, the United States and Canadian Academy of Pathology, and the International Society for Laboratory Hematology. In her spare time, she volunteers with Kappa Alpha Theta and serves as a board member of New Century Chamber Orchestra. Assistant Professor of Pathology at Stanford University, has been recognized by Cambridge Who’s Who for demonstrating dedication, leadership and excellence in medical research.

Email: tracy.george@medcenter.stanford.edu

Selected Publications


*Standards and impact of hematopathology in myelodysplastic syndromes (MDS).* Peter Valent; Attilio Orazi; Guntram Büsche; Annette Schmitt-Gräff; Tracy I George; Karl Sotlar; Berthold Streubel; Christine Beham-Schmid; Sabine Cerny-Reiterer; Otto Krieger; et al. Oncotarget 2010;1(7):483-96.

*Phenotypic heterogeneity, novel diagnostic markers, and target expression profiles in normal and neoplastic human mast cells.* Peter Valent; Sabine
The classification of systemic mastocytosis should include mast cell leukemia (MCL) and systemic mastocytosis with a clonal hematologic non-mast cell lineage disease (SM-AHNMD). Peter Valent; Michel Arock; Cem Akin; Wolfgang R Sperr; Andreas Reiter; Karl Sotlar; Karin Hartmann; Tracy I George; Knut Brockow; Hanneke C Kluin-Nelemans; et al. Blood 2010;116(5):850-1.


Can cytoplasmic nucleophosmin be detected by immunocytochemical staining of cell smears in acute myeloid leukemia? Göran Mattsson; Susan H Turner; Jacqueline Cordell; David J P Ferguson; Anna Schuh; Lizz F Grimwade; Anthony J Bench; Olga K Weinberg; Teresa Marafioti; Tracy I George; et al. Haematologica 2010;95(4):670-3.


Alexander Kohlmann, PhD, Germany

Genomics of hematologic malignancies.
Alexander Kohlmann obtained his doctoral degree at the Ludwig-Maximilians-University in Munich, Germany, in 2000. He has been working on the molecular characterization of leukemias using microarray technology. Currently, he is a group leader at the MLL, Munich Leukemia Laboratory. Email: alexander.kohlmann@mll.com

Selected Publications


C. Harteveld, PhD, Netherlands

Advances in diagnosis of Thalassemias and Hemoglobinopathies.

Clinical molecular and biochemical geneticist.
Advances in diagnosis of Thalassemias and Hemoglobinopathies. Principle areas of research and diagnostics are phenotype-genotype correlation of hemoglobinopathies and the technical improvement of diagnostics. He is responsible for the diagnosis of carriers and patients and for prenatal diagnosis for thalassemia Major and Sickle Cell disease in the Dutch Reference Laboratory for Hemoglobinopathies within the department of Human and Clinical Genetics at the Leiden University Medical Center in Leiden.
Email: c.l.harteveld@lumc.nl

Selected Publications


Systematic documentation and analysis of human genetic variation in hemoglobinopathies using the microattribution approach. Giardine B, Borg J,


Dorine Swinkels, Netherlands

Utility of hepcidin concentration and automated red cell analysis to diagnose anemia of chronic disease.

Dorine Swinkels is a MD and chemist, specialized in clinical chemistry. Her research aims at the full understanding of iron metabolism, in particular the identification and characterization of novel factors that affect dysregulation of iron homeostasis in various human disorders among which are some of the world’s most prevalent diseases such as anemia of chronic kidney disease, hereditary hemochromatosis, inherited (iron loading) anemia’s, bacterial and malarial infections. New findings are translated into novel diagnostic assays and therapeutic strategies that can be implemented in the clinic. Among her (team’s) most recent achievements and activities are the development and harmonization of assays for the recently discovered iron regulatory hormone peptide hepcidin that is currently subject of several translational studies.

Email: d.swinkels@akc.umcn.nl

Selected Publications


Serum hepcidin: reference ranges and biochemical correlates in the general population. Galesloot TE, Vermeulen SH, Geurts-Moespot AJ, Klaver SM,
Diagnosis and management of hereditary haemochromatosis. Van Bokhoven MA, van Deursen CT, Swinkels DW. BMJ. 2011 Jan 19;342:c7251 Review.


The effects of carbohydrate ingestion during endurance running on post-exercise inflammation and hepcidin levels. Marc Sim; Brian Dawson; Grant Landers; Erwin T Wiegerinck; Dorine W Swinkels; Mary-Anne Townsend; Debbie Trinder; Peter Peeling.

The effects of acute exercise bouts on hepcidin in women. Mia K Newlin; Sara Williams; Tim McNamara; Harold Tjalsma; Dorine W Swinkels; Emily M Haymes.

Candidate Gene Sequencing of SLC11A2 and TMPRSS6 in a Family with Severe Anaemia: Common SNPs, Rare Haplotypes, No Causative Mutation. Anita Kloss-Brandstätter; Gertraud Erhart; Claudia Lamina; Bernhard Meister; Margot Haun; Stefan Coassin; Markus Seifert; Andreas Klein-Franke; Bernhard Paulweber; Lyudmyla Kedenko; et al.