The Geoffrey P. Herzig, M.D.
Memorial Symposium for Hematologic Malignancies
and Bone Marrow Transplantation

April 8 – 9, 2016
Geoffrey Peter Herzig was born on December 6, 1941. He attended the University of Cincinnati, where he graduated Phi Beta Kappa with honors in chemistry. He received his medical degree from Case Western Reserve University School of Medicine (as did his brother Roger a few years later), where he was a member of the medical honor society Alpha Omega Alpha. He completed his internship and residency at Albert Einstein College of Medicine and trained in hematology and oncology at the National Cancer Institute and Washington University School of Medicine.

At NCI in the 1970’s, Geoff was part of an outstanding group of physician-scientists who drove the development of cancer therapies and interventions that make up the backbone of modern cancer therapy. The innovative work at NCI was further advanced during his time at Washington University, where he later joined the faculty. Geoff helped perfect the process of controlled-rate bone marrow cryopreservation and establish the minimum dose of hematopoietic stem cells required for safe transplantation. The HSC cell dose used in transplantation today was determined by Geoff Herzig while at NCI. The present-day regimen for high-dose cytarabine to treat post-remission AML was developed by Geoff, colleagues at Washington University and others including Roger Herzig, Hillard Lazarus, Joseph Fay, Gordon Phillips and Steven Wolff. Work by Geoff and colleagues at Washington University also provided insights for future advances in preventing graft-versus-host disease.

In 1975, he founded the adult bone marrow transplant program at Barnes Hospital, one of the earliest programs of its type in the country. Shortly after, he co-authored a seminal report on the use of combined-modality therapy and autologous bone marrow transplant to treat Burkitt’s lymphoma and in 1980, became the first director of Washington University’s Bone Marrow Transplant Program. In 1990, Geoff joined the Roswell Park Cancer Institute to concentrate on clinical trials in acute leukemia and in particular AML, his area of special interest. While at RPCI, he worked closely with Dr. Clara Bloomfield to define the role of cytogenetics and molecular abnormalities in predicting AML therapy outcomes and was an important contributor to evolving concepts in the treatment of Hodgkin’s lymphoma.

In 2000, Geoff moved to the University Of Louisville School Of Medicine to co-direct the BMT program at the James Graham Brown Cancer Center with his brother and close scientific collaborator, Roger. Geoff was quirky and fearless and throughout his pioneering career, known as a demanding mentor prone to random acts of kindness. He is remembered by all for his underlying gentleness and warm heart. He was an avid sailor who loved ‘precision’ cooking, fine cigars, Burgundy wines and music of all types. He was active in multiple professional societies and research organizations including the American Society of Hematology, the American Society of Clinical Oncology, the International Society of Experimental Hematology, the Cancer and Acute Leukemia Group B, the International Bone Marrow Transplant Registry, the Center for International Blood and Marrow Transplant Research and others. He died December 20, 2013, and is survived by his brother Roger, his son Andrew and his grandchildren. This memorial symposium is an opportunity to honor both the person and the innovative spirit that drove his work. Geoffrey Herzig developed or participated in advancing many of the cancer therapies and interventions we take for granted now – the field of hematopoietic stem cell transplantation would not be what it is today without him.

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**Symposium Chair**

**William Tse, MD, FACP**
Chief, Division of Blood and Bone Marrow Transplantation
Marion F. Beard Endowed Chair for Hematology Research
Professor of Medicine
James Graham Brown Cancer Center
University of Louisville

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**Honorary Co-Chair**

**Roger Herzig, MD**
Professor of Medicine
Director, Blood & Marrow Transplant Program
University of Kentucky
AGENDA

April 8, 2016

7:00 AM Breakfast

8:00 AM Welcome Remarks
Donald Miller, MD, PhD
Professor of Medicine and Pharmacology
Chief, Division of Medical Oncology and Hematology
Director, James Graham Brown Cancer Center
James Graham Brown Foundation Chair
University of Louisville

William Tse, MD, FACP
Chief, Division of Blood and Bone Marrow Transplantation
Marion F. Beard Endowed Chair for Hematology Research
Professor of Medicine
James Graham Brown Cancer Center
University of Louisville

Roger Herzog, MD
Professor of Medicine
Director, Blood & Marrow Transplant Program
University of Kentucky

8:15 AM Clinical Significance of MRD in Leukemia
Robert Peter Gale, MD, PhD, DSc(hc), FACP, FRSM
Haematology Research Centre
Division of Experimental Medicine, Department of Medicine
Imperial College London
London, UK

8:55 AM Leukemogenesis Mediated by MLL Fusion Proteins
Michael J. Thirman, MD
Associate Professor of Medicine
University of Chicago
Section of Hematology/Oncology

9:35 AM Break

9:50 AM Cytogenetic and Molecular Risk Stratification for AML:
2016 WHO and ELN Guideline Updates
Clara D. Bloomfield, MD
Distinguished University Professor
William G. Pace III Professor of Cancer Research
Cancer Scholar and Senior Advisor
The Ohio State University Comprehensive Cancer Center

10:30 AM Using CAR T-Cell Strategy for Relapse/Refractory
T-Cell Malignancies
Yupo Ma, MD, PhD
Professor and Hematopathologist
Medical Director of Flow Cytometry Lab
Scientific Director of Stem Cell Core
Department of Pathology
School of Medicine
Stony Brook University

11:10 AM Energy Balance, Cancer and Stem Cell Transplant
Nathan A. Berger, MD
Distinguished University Professor
Hanna-Payne Professor of Experimental Medicine
Professor of Medicine, Biochemistry, Oncology, Genetics
Director, Center for Science, Health and Society
Case Western Reserve University, School of Medicine

11:50 AM Lunch

12:50 PM Prevention of GVHD through Naive T-Cell Depletion
Nelson Chao, MD, MBA
Donald D. and Elizabeth G. Cooke Professor
Chief/Division of Hematologic Malignancies and Cellular Therapy/BMT
Director/Global Cancer/Duke Cancer Institute/
Duke Global Health Institute
Professor of Medicine and Immunology/
Research Professor of Global Health

1:30 PM Thrombopoietin in Normal and Neoplastic Hematopoiesis
Kenneth Kaushansky, MD
Senior Vice President, Health Sciences
Dean, School of Medicine
Stony Brook Medicine

2:10 PM Allogeneic HSCT for AML Patients Not in Complete Remission
Gordon Phillips, MD
Professor of Medicine
Wake Forest University School of Medicine

2:50 PM Break

3:05 PM Targeting Immune Checkpoint Proteins and Cells
for the Treatment of Cancer
Jason Chesney, MD, PhD
Endowed Chair in Med-Oncology
Professor of Medicine
Deputy Director, James Graham Brown Cancer Center
University of Louisville

3:45 PM Novel Therapies for INHL
Maxwell M. Krem, MD, PhD
Assistant Professor of Medicine
Co-leader Lymphoid Malignancy Program
Division of Blood and Bone Marrow Transplantation
James Graham Brown Cancer Center
University of Louisville

4:25 PM Cellular Immunotherapy for AML
Kenneth Lucas, MD
Professor of Pediatrics
Chief, Pediatric Hematology/Oncology
Kosair Children’s Hospital
University of Louisville

5:05 PM Advancing Our Understanding of Leukemogenesis and
Therapeutics through Animal Models
Levi J. Beverley, PhD
Assistant Professor of Medicine
Department of Pharmacology and Toxicology
James Graham Brown Cancer Center
University of Louisville

5:45 PM Closing Remarks
William Tse, MD, FACP
April 9, 2016

7:00 AM  Breakfast

8:00 AM  Opening Remarks
         William Tse, MD, FACP

8:15 AM  CLL
         Kanti Rai, MD
         Professor of Medicine and Molecular Medicine
         Hofstra Northwell School of Medicine
         Chief, Chronic Lymphocytic Leukemia Research and Treatment Program
         Investigator, Peter Karches Center for CLL, Feinstein Institute for
         Medical Research
         Northwell Cancer Institute

8:55 AM  High-Dose Melphalan and Transplant:
         Historic and New Perspectives
         Hillard M. Lazarus, MD, FACP
         The George & Edith Richman Professor & Distinguished
         Scientist in Cancer Research
         Professor of Medicine, Case Western Reserve University
         Director of Novel Cell Therapy, University Hospitals Case Medical Center

9:35 AM  Umbilical Cord Blood Transplantation in Adults
         Claudio Brunstein, MD, PhD
         Associate Professor of Medicine
         University of Minnesota School of Medicine

10:15 PM Break

10:30 AM RIC in Allogeneic Stem Cell Transplantation
         Rainer Storb, MD
         Professor of Medicine, University of Washington
         Member & Head, Transplantation Biology Program
         Fred Hutchinson Cancer Research Center

11:10 AM LGL Leukemia: Biology and Treatment
         Thomas P. Loughran, Jr., MD
         Professor of Medicine
         Director, UVA Cancer Center
         University of Virginia

11:50 AM High Dose Cytoxan in Haploidentical Stem Cell Transplant
         Ephraim J. Fuchs, MD, MBA
         Professor of Oncology and Immunology
         Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
         Johns Hopkins University School of Medicine

12:30 PM Lunch

1:30 PM  Autologous Stem Cell Transplantation for Multiple Sclerosis
         Richard Nash, MD
         Colorado Blood Cancer Institute
         Presbyterian/St. Luke’s Medical Center, Denver

2:10 PM  Bi-specific Antibodies in Cancer Treatment
         Lawrence G. Lum, MD, DSc
         Director of Cell Therapy
         Scientific Director of BMT
         UVA Cancer Center
         University of Virginia

2:50 PM  Update in Myeloma Treatment
         Donna Reece, MD
         Professor of Medicine
         Princess Margaret Cancer Centre
         University of Toronto

3:05 PM  Long-term Effects of Radiation Treatment for
         Lymphoma and Advances in Technique
         Marie Gurka, MD
         Assistant Professor of Medicine
         Radiation Oncology
         James Graham Brown Cancer Center
         University of Louisville

3:45 PM  Modulation of Immunosuppressive Myeloid Cells
         for Effective Tumor Immunotherapy
         Jun Yan, MD, PhD
         Professor of Medicine
         Endowed Chair in Translational Research
         Co-leader Lymphoid Malignancy Program
         Division of Blood and Bone Marrow Transplantation
         University of Louisville

4:25 PM  Novel View on Stem Cell Mobilization and Homing –
         Clinical Implications
         Mariusz Z. Ratajczak, MD, PhD, DSci, dhc
         Director of Stem Cell Program
         Stella and Henry Hoenig Endowed Chair in Cancer Biology
         James Graham Brown Cancer Center
         University of Louisville

4:45 PM  Closing Remarks
         Donald Miller, MD, PhD
         William Tse, MD, FACP
         Roger Herzig, MD
Levi J. Beverly, PhD
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Directory of Guest Speakers continued on next page
GUEST SPEAKERS
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The University of Louisville Office of Continuing Medical Education & Professional Development designates this live activity for a maximum of 16.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses – This program has been approved by the Kentucky Board of Nursing for 19.5 continuing education credits through University of Louisville Hospital, provider number 4-0068-7-16-919. The Kentucky Board of Nursing approval of an individual nursing education provider does not constitute endorsement of program content.

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The University of Louisville
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