The Chicago Chronic GVHD Meeting
October 24th, 2015
Message from the Department Head...

The Department of Ophthalmology and Visual Sciences in collaboration with Division of Hematology/Oncology is delighted to sponsor the Chicago Chronic GVHD Meeting. This inaugural meeting brings together clinicians, researchers and educators from all Chicago area Ophthalmology Departments and Hematology/Oncology programs as well as internationally renowned experts, for presentations and discussions of new advances and changing clinical practice in chronic GVHD.

Our Department is dedicated to developing innovative research and clinical programs which will impact the lives of patients with blinding and debilitating disease. The Chicago Chronic GVHD Meeting and the NIH funded clinical trial in ocular GVHD reflect this commitment. We have recently established the Ophthalmic Clinical Trials and Translational Center in our Department, which will provide services and infrastructure to these GVHD programs and numerous other clinical and translational programs underway or in development at the Illinois Eye and Ear Infirmary.

Please join us on the University of Illinois at Chicago campus on October 24th, 2015 for this exciting meeting.

Mark I. Rosenblatt, MD, PhD, MBA
Professor of Ophthalmology and Head
Illinois Lions/Charles I. Young Chair
Department of Ophthalmology and Visual Sciences
University of Illinois at Chicago

Program Directors

Sandeep Jain, MD
Associate Professor of Ophthalmology
Director, Corneal Neurobiology Laboratory
Department of Ophthalmology and Visual Sciences
University of Illinois at Chicago

Damiano Rondelli, MD
Michael Reese Professor of Hematology
Chief, Division of Hematology/Oncology
Director, Blood & Marrow Transplant
University of Illinois at Chicago

From the Dean...

Dear Colleagues,

I welcome your participation in The Chicago Chronic GVHD Meeting at the newly renovated state-of-the-art facilities of the College of Medicine (COM) Learning Center.

The University of Illinois COM boasts several thriving biomedical discovery programs in basic science and clinical departments. Our research goals are centered on fostering interdisciplinary research collaborations and translating our strengths in biomedical and behavioral discoveries and the University's strengths in technological innovations into clinical applications, including addressing unmet medical needs. A key initiative of the UI COM is to foster clinically relevant translational research by NIH funded clinician scientists.

The continued success of our research goals is assured under the leadership of Professor Mark Rosenblatt, MD, PhD, MBA, Head of Department of Ophthalmology and Visual Sciences. Dr. Rosenblatt, himself a NIH funded clinician-scientist, has made enhancing clinically relevant translational research a priority for the Department. He has established the Ophthalmic Clinical Trials and Translational Center, a centralized operational structure, which will speed transformative research discoveries to clinical applications.

With the help of all the GVHD symposium participants, Dr. Sandeep Jain’s research on ocular GVHD is a prime example of the ongoing translational research at the Ophthalmology Department and College of Medicine.

I look forward to seeing you at this exciting meeting on Chronic GVHD.

Dimitri Azar, MD, MBA
Dean, University of Illinois College of Medicine
BA Field Chair of Ophthalmologic Research
Distinguished Professor of Ophthalmology, Pharmacology and Bioengineering
University of Illinois at Chicago
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<td>RPB - Preserving Vision, Restoring Sight</td>
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<td>Chronic GVHD: Value of NIH Classification Approach</td>
<td>Madan Jagasia, MBBS, MS</td>
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<td>Pathophysiological Basis of Systemic GVHD</td>
<td>Bruce Blazar, MD</td>
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<td>Biomarkers and Treatment Trends in Chronic GVHD</td>
<td>Damiano Rondelli, MD</td>
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<td>Neutrophils &amp; Neutrophil Extracellular Traps (NETs) in GVHD</td>
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<td>A New Pathway of Neutrophilic Inflammation</td>
<td>J. Edwin Blalock, PhD</td>
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<td>11:10 - 11:45am</td>
<td>NETs in Chronic oGVHD - Friend or Foe?</td>
<td>Sandeep Jain, MD</td>
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<td>11:45 - 12:00pm</td>
<td>Trashing the DNA: Therapeutic Potential of DNase I</td>
<td>Robert Lazarus, PhD</td>
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<td>Chronic GVHD Management in the Chicago Area: Panel Discussion</td>
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<td>Chronic Ocular GVHD</td>
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<td>Clinical Presentation of oGVHD</td>
<td>Stella Kim, MD</td>
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<td>Diagnostic Criteria of oGVHD</td>
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<td>Medical Management of oGVHD</td>
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<td>Prosthetic Devices in oGVHD Management</td>
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<td>Sandeep Jain, MD</td>
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Deborah Jacobs, MD is currently an Assistant Clinical Professor of Ophthalmology at Harvard Medical School and the Medical Director at the Boston Ear Infirmary, Harvard Medical School followed by fellowships in Corneal and External Diseases at Harvard. Her main clinical interests include ocular surface disease, corneal ectasia, contact lens, and prosthetic replacement of the ocular surface ecosystem (PROSE).

DeBORAH JAcOBS, MD

Rico School of Medicine and trained in the Ophthalmology residency program at the Massachusetts Eye and Ear Infirmary, Harvard Medical School

vIctOR PeRez, MD

Victor Perez, MD is a Professor of Ophthalmology at the University of Miami’s Bascom Palmer Eye Institute. He graduated from the University of Puerto Rico School of Medicine and trained in the Ophthalmology residency program at the Massachusetts Eye and Ear Infirmary, Harvard Medical School followed by fellowships in Corneal and External Diseases and Uveitis at Harvard. He is a National Eye Institute funded clinician scientist. His research is focused on Innate and Adaptive Immunological Responses in High-Risk Corneal Transplantation and Anterior Segment Immunology. He was recently awarded an NEI R01 grant to study Immunological Aspects of Ocular GVHD.

vIctOR PeRez, MD

J. eDwIn BlAlOck, PHD

J. Edwin Blalock, PhD is Scientific Director of the UAB Lung Health Center and Professor of Medicine, Cell, Developmental and Integrative Biology, and Neurobiology at the University of Alabama at Birmingham School of Medicine. Dr. Blalock is internationally recognized for his research in neuroimmunology, rational drug design, as well as the role of inflammation in chronic lung diseases. He has published over 330 journal articles and book chapters and enjoyed uninterrupted funding for the past 38 years. Dr. Blalock has served on the ELCA Foundation Board of Trustees and currently serves on the Board of Directors of Lutheran Services in America.

J. eDwIn BlAlOck, PHD

ROBeRt lAzARuS, PHD

Robert A. Lazarus, PhD is a Principal Scientist in Early Discovery Biochemistry at Genentech, Inc. He worked on protein-protein interactions, using peptide and protein scaffolds and protein engineering technologies to interrogate key biological pathways with activators or inhibitors. He has published extensively on human DNase I and engineered variants with improved biochemical properties. Dr. Lazarus has also focused on proteases, pseudoproteases and other targets using structure and function to guide molecular and diversity approaches to generate tools for drug development in diverse biological areas. He is the current President of the International Proteolysis Society.

ROBeRt lAzARuS, PHD

Bruce Blazar, MD is the Regents Professor of Pediatrics in the Division of Blood and Marrow Transplantation at the University of Minnesota. Dr. Blazar is a member of the Institute of Medicine. He has served as Chair of the National Institutes of Health Cancer Immunopathology and Immunotherapy Study Section, a full member of two other NIH study sections, and as a past member of the Immune Tolerance Network Executive Committee, Food and Drug Administration Biological Response Modifiers Advisory Committee, and Leukemia and Lymphoma Translational Research Award Committee. Dr. Blazar is the recipient of an NIH MERIT Award and is the principal investigator of several other NIH funded studies focusing on BMT immunological studies. Dr. Blazar is the author of more than 600 manuscripts which have appeared in premier peer-reviewed publications.

BRUCE BLAZAR, MD

MADAn JAgASIA, MBBS, MS

Madan Jagasia, MBBS, MS is Professor of Medicine, Chief of Section of Hematology-Stem Cell Transplant and the Director of Outpatient Transplant Program at the Vanderbilt-Ingram Cancer Center. He is the co-leader of Translational Research and Interventional Oncology (TRIO) research program at Vanderbilt-Ingram Cancer Center. He specializes in stem cell transplant for hematological malignancies (leukemia, lymphoma, Myeloma, MDS) and bone marrow failure disorders. His research interest is graft-versus-host disease, an immune complication after a donor stem cell transplant. He established the long term transplant clinic (LTTC) at Vanderbilt. Dr. Jagasia has authored and co-authored more than 100 research articles in peer reviewed-journals. He is a member of the GVHD and Leukemia working committees for the Center of International Blood and Marrow Transplant Center.

MADAn JAgASIA, MBBS, MS

BRIAn HOflAnD, PHD

Brian F. Hofland, PhD is the President of Research to Prevent Blindness (RPB). Previously, Hofland held senior leadership positions with the National Council on Aging; AARP Foundation; The Atlantic Philanthropies; and The Retirement Research Foundation. Hofland was a delegate to the 1995 and 2005 White House Conferences on Aging and was founding board chair of the foundation affinity group, Grantmakers in Aging. He previously served on the ELCA Foundation Board of Trustees and currently serves on the Board of Directors of Lutheran Services in America.

BRIAn HOflAnD, PHD

Bruce Blazar, MD is the Regents Professor of Pediatrics in the Division of Blood and Marrow Transplantation at the University of Minnesota. Dr. Blazar is a member of the Institute of Medicine. He has served as Chair of the National Institutes of Health Cancer Immunopathology and Immunotherapy Study Section, a full member of two other NIH study sections, and as a past member of the Immune Tolerance Network Executive Committee, Food and Drug Administration Biological Response Modifiers Advisory Committee, and Leukemia and Lymphoma Translational Research Award Committee. Dr. Blazar is the recipient of an NIH MERIT Award and is the principal investigator of several other NIH funded studies focusing on BMT immunological studies. Dr. Blazar is the author of more than 600 manuscripts which have appeared in premier peer-reviewed publications.
Stella Kim, MD  is currently the Joe M. Green Jr. Professor of Clinical Ophthalmology at University of Texas Health Medical School. Dr. Kim graduated from Harvard Medical School and trained in the Ophthalmology residency program at the Massachusetts Eye and Ear Infirmary, Harvard Medical School, followed by fellowship training in Corneal and External Diseases at the Moran Eye Center, University of Utah. She gained extensive experience in treating ocular GVHD patients at MD Anderson Cancer Center where she served as a faculty member for approximately 13 years. Dr. Kim is a member of the International Chronic Ocular Graft-Versus-Host Disease Consensus Group.

Yoko Ogawa, MD is a clinician and researcher at the Keio University School of Medicine Tokyo, Japan. She has published extensively on pathophysiology and clinical manifestations of ocular GVHD and currently is leading the International Chronic Ocular Graft-Versus-Host Disease Consensus Group. She is the lead author on the paper proposing consensus group diagnostic criteria on chronic ocular GVHD.

Francisco Amparo, MD is a Research Associate in Ophthalmology at the Schepens Eye Research Institute and a clinical Investigator at the Massachusetts Eye and Ear Infirmary at Harvard Medical School. He is spearheading multiple efforts in the area of ocular GVHD at Harvard.

Andrew Artz, MD, MS is an Associate Professor of Medicine at the University of Chicago and the Clinical Director of the Hematopoietic Cellular Therapy Program. Dr. Artz's clinical and research interest focus is on improving outcomes for older adults with hematologic conditions. He has worked to advance novel prognostic markers for allogeneic transplant, particularly among older adults. Dr. Artz started the Transplant Optimization Program (TOP) for older adults at the University of Chicago to better measure health and optimize outcome among older adults. He has pursued the novel approach of haplo-cord transplant. He also has a Geriatric Anemia Clinic where he works to better understand anemia and advance treatments.

John Galvin, MD, MPH is a Hematologist/Oncologist at Northwestern Memorial Hospital and an Instructor in Medicine-Hematology/Oncology and Microbiology-Immunology. Dr. Galvin treats blood cancers and disorders. His area of expertise is in hematopoietic stem cell transplantation (HSCT). His research focuses on understanding the immunobiology of graft-versus-host disease (GVHD) in the laboratory with the goal of translating insights gained into improved treatments for his patients who develop GVHD.

John Maciejewski, MD, PhD is an Assistant Professor of Hematology and Interim Director, Section of Bone Marrow Transplant & Cell Therapy at Rush University Medical Center. Dr. Maciejewski's clinical expertise is in Bone Marrow and Stem Cell Transplantation, Graft-Versus-Host Disease, Hodgkin and Non-Hodgkin Lymphoma, Multiple Myeloma, Myeloproliferative Neoplasms, and Acute and Chronic Leukemia. His research interests are in Stem Cell Transplantation, Graft-Versus-Host Disease, Multiple Myeloma, and Acute Leukemias.

Pritesh Patel, MD is an Assistant Professor of Clinical Medicine and Hematology/Oncology at the University of Illinois at Chicago. His research focuses on methods to reduce the risk of disease relapse after bone marrow transplants. Currently, Dr. Patel is developing methods of predicting susceptibility of leukemia to radiation and chemotherapy based upon the genetics of the disease. In addition he is developing several clinical trials for pre-transplant treatment with the hope of increasing the effectiveness while at the same time decreasing side effects.

Patrick Stiff, MD is a Professor of Medicine at Loyola University Medical Center and Director of the Cardinal Bernardin Cancer Center Hematology/Oncology Division. He graduated from Loyola University Chicago Stritch School of Medicine and completed his residency in internal medicine at the Cleveland Clinic Foundation, followed by fellowship training in Hematology and Medical Oncology at the Memorial Sloan - Kettering Cancer Center. Dr. Stiff's clinical expertise is in Bone Marrow Transplantation, Non-Hodgkin's Lymphoma, Ovarian Cancer and Leukemia.
SURENDRA BASTI, MD  |  Northwestern University Feinberg School of Medicine  |  Associate Professor of Ophthalmology

Surendra Basti, MD is an Associate Professor of Ophthalmology at Northwestern University Feinberg School of Medicine. His areas of clinical and research interest include ocular surface disease and dry eye, pediatric and adult cataracts, keratoconus and external eye disease related to cancer medications. He has authored 65 publications in peer-reviewed ophthalmology journals. In 2007, Dr. Basti was named to the list of the “Best Doctors in America” and has been named to this list each year since. In 2008, he received the achievement award from the American Academy of Ophthalmology.

CHARLES BOUCHARD, MD  |  Loyola University Medical Center  |  Professor and Chairman, Ophthalmology

Charles Bouchard, MD is the Department Chair of Ophthalmology and a Professor of Ophthalmology at the Stritch School of Medicine Loyola University. His clinical expertise is in Dry Eye Syndrome, Ocular Surface Disease, Stem Cell Transplantation and Keratoconus. Dr. Bouchard’s areas research interests include corneal transplant, corneal immunology, ocular surface reconstruction, Keratoconus and Stevens-Johnson syndrome.

KATHRYN COLBY, MD, PHD  |  University of Chicago  |  Professor and Chair, Ophthalmology and Visual Sciences

Kathryn Colby, MD, PhD is an internationally renowned ophthalmologist with expertise in managing complex medical and surgical diseases of the cornea and ocular surface. Dr. Colby has a particular interest in Fuchs’ dystrophy and is currently pioneering novel treatments for this condition. In addition, she has specific expertise in the management of ocular surface tumors. Dr. Colby is a passionate educator who trained hundreds of medical students, ophthalmology residents and cornea fellows during the two decades she spent at Harvard Medical School prior to coming to the University of Chicago as Professor and Chair of the Department of Ophthalmology and Visual Science. She has leadership roles in various national and international societies, including the American Academy of Ophthalmology and the Cornea Society.

SURI DWARAKANATHAN, MD  |  Cook County Hospital  |  Attending Physician, Ophthalmology

Suri Dwarakanathan, MD is an Attending Physician at John Stroger Hospital of Cook County. He graduated from Albany Medical College and completed his residency at Cook County Hospital, followed by fellowship training in Ophthalmology at University of Texas Southwestern at Dallas. Dr. Dwarakanathan clinical and research interest is primarily in Cornea.

JONATHAN RUBENSTEIN, MD  |  Rush University Medical Center  |  Professor of Ophthalmology

Jonathan Rubenstein, MD is the Vice Chairman and Professor of Ophthalmology at Rush University Medical Center in Chicago. He is a past President of the Chicago Ophthalmological Society. Dr. Rubenstein has received the American Academy of Ophthalmology’s Honor Award and Senior Honor Award. He is on the board of the Illinois Society for the Prevention of Blindness and was selected as one of Chicago’s top 500 doctors by Chicago Magazine.

ELMER TU, MD  |  University of Illinois at Chicago  |  Professor of Clinical Ophthalmology, Director, Cornea Service

Elmer Tu, MD is the Director of the Cornea Service and Professor of Clinical Ophthalmology at the University of Illinois at Chicago. His main clinical and research interests are infectious disease of the cornea. Dr. Tu’s area of expertise also includes new and innovative forms of corneal transplantation and treatment of challenging ocular surface disorders. He is on numerous national and international committees and is a member of the Board of Directors of the Cornea Society.

SOLEDAD CORTINA, MD  |  University of Illinois at Chicago  |  Assistant Professor of Ophthalmology, Cornea Service Director, Comprehensive Ophthalmology Faculty Practice Director, Artificial Cornea Program

ALI DJALILIAN, MD  |  University of Illinois at Chicago  |  Associate Professor of Ophthalmology, Cornea Service Director, Corneal Epithelial Biology & Tissue Engineering Laboratory Director, Ocular Surface Reconstruction Program

TIMOTHY MCMHON, OD  |  University of Illinois at Chicago  |  Professor of Ophthalmology, Contact Lens Service Vice Chair for Optometry

ELLEN SHORTER, OD  |  University of Illinois at Chicago  |  Associate Professor of Ophthalmology, Contact Lens Service Director, PROSE Clinic
• A Phase I/II Randomized Placebo-Controlled, Double-Blind, Single-Center, Tolerability And Preliminary Efficacy Clinical Trial Of Recombinant Human Deoxyribonuclease (Rhdnase) Eye Drops In Patients With Ocular Graft-Versus-Host Disease

• A Prospective Study to Identify Bio-Markers that Predict Onset and Progression of Ocular Graft-Versus-Host Disease in Patients who receive Allogeneic Hematopoietic Stem Cell Transplant

**Principal Investigator:** Sandeep Jain, MD  
**Funding Agency:** NEI/NIH R01 EY024966  
**Location:** Ophthalmic Clinical Trials and Translational Center  
**Contact:** 312-918-0900 or mun2@uic.edu

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**Ophthalmic Clinical Trials and Translational Center**

The Department of Ophthalmology and Visual Sciences recently established The Ophthalmic Clinical Trials and Translational Center. The center provides services in clinical trials and translational studies that evaluate preventive, therapeutic, and diagnostic interventions in ophthalmic diseases.

The mission of the center is to design and run clinical trials and translational studies with world class academic ophthalmologists and federal and industry sponsors. The center is located on the second floor of the Illinois Eye and Ear Infirmary.

**CORES:**

**Full Service Clinical Trials Core:**
- Facilities with equipped lanes
- Patient identification and recruitment strategies
- IRB preparation and submission
- Budget and contract negotiations

**Translational Research Core:**
- Intellectual property and commercialization consulting
- Regulatory and oversight support to first in human studies

**Data and statistics Core:**
- Epidemiological and biostatistical design and analyses spanning the entire biomedical research spectrum
- Statistical programming involving data management, design/construction of databases, and analyses

For more information please contact: Joelle Hallak, PhD, (312)-996-0157, joelle@uic.edu
More than 50,000 hematopoietic stem cell transplant (HSCT) procedures are performed worldwide every year to treat hematological malignancies and the numbers are increasing. It is estimated that chronic ocular GVHD develops in 38-50% of allogeneic HSCT recipients. Signs and symptoms of ocular GVHD mimic other immunologically mediated Dry Eye Disease subtypes and it severely impacts quality of life. No specific treatments exist.

The Chicago Chronic GVHD Meeting brings together all Chicago area Hematology/Oncology Programs and Ophthalmology Departments and represents a novel multidisciplinary approach to providing education and stimulating collaborative research in the area of chronic systemic and ocular GVHD - an unmet medical need. This 1-day course will focus on presentations and discussions of new advances and changing practice in chronic systemic GVHD and chronic ocular GVHD.

**Date of Meeting:** Saturday, October 24th, 2015  
**Location of Meeting:** The Learning Center, 2nd floor Room 227, UIC College of Medicine West Tower  
1853 W. Polk Street, Chicago, IL 60612  
**Contact information:** Call (312) 996-6590; Call/Text: (312) 918-0900; Email: mun2@uic.edu  
**Online Registration website:** www.signmeup.com/110465  
**Department website:** www.chicago.medicine.uic.edu/eye-courses  
**Registration Fee:** None