

HOSPITAL  
FOR  
**SPECIAL  
SURGERY**



# Mary Kirkland Center for Lupus Research

Scientific Conference to  
Celebrate the 10th Anniversary of the  
Kirkland Scholar Program

Friday, September 16th – Saturday, September 17th, 2011

Grand Hyatt Hotel  
E. 42nd St. and Lexington Ave., New York, NY

## SCIENTIFIC PROGRAM (BALLROOM V)

**7:00-8:15** **BREAKFAST (BALLROOM IV)**

### Session I

**8:15-9:00** **Keynote Talk : Dr. Jeffrey V. Ravetch, MD, PhD**

**Theresa and Eugene M. Lang Professor, Head, Laboratory of Molecular Genetics and Immunology, The Rockefeller University**

*"The Protean Roles of Antibodies in Immunity and Inflammation"*

**9:00-9:25** **Jane Salmon, MD:** *"Mediators of Pregnancy Complications in Patients with Anti-Phospholipid Antibodies and Patients with Lupus"*

**9:25-9:45** **Alessandra Pernis, MD:** *"Signaling pathways in the development of lupus: novel opportunities for therapeutic intervention?"*

**9:45 – 10:00** **COFFEE BREAK**

### Session II - Innate Immunity

**10:00–10:20** **Anirudh J. Ullal, PhD, and David Pisetsky, MD:** *"The role of microparticles in the generation of immune complexes in systemic lupus erythematosus"*

**10:20-10:40** **Katalin Kis-Toth, PhD and George Tsokos, MD:** *"Cytosolic DNA-activated human dendritic Cells are potent activators of the adaptive immune response"*

**10:40-11:00** **Simone Caielli, PhD and Virginia Pascual, MD:** *"SLE neutrophil extracellular traps are major amplifiers of IFN production and plasmacytoid dendritic cell maturation"*

**11:00-11:20** **Deanna M. Santer, PhD, Alice Wiedeman, BS, and Keith Elkon, MD:** *"Regulation of lupus immune complex stimulation of plasmacytoid dendritic cells by C1q"*

**11:20-11:40** **Ram Pyare Singh, PhD and Bevra Hahn, MD:** *"Expression of Interferon-inducible genes are regulated by sex hormones and gender in SLE"*

**11:40-12:00** **Gary Gilkeson, MD:** *"Estrogen receptor alpha regulates the inflammatory response in systemic lupus erythematosus via modulating toll-like receptor signaling"*

# FRIDAY, SEPTEMBER 16<sup>TH</sup>, 2011

## Session II - Innate Immunity

12:00-12:20 **Peggy Crow, MD:** *"Molecular pathways activated in lupus flare"*

**12:20-1:20 LUNCHEON (BALLROOM IV)**

## Session III - Adaptive Immunity and Organ Damage

1:20-1:40 **Amanda Poholek, PhD, Jin-Young Choi, PhD and Joseph Craft, MD:** *"Follicular helper T cells and the B cells they help"*

1:40-2:00 **Tamara K. Nowling, MD Gary Gilkeson, MD:** *"Effects of altering Fli1 levels in lupus T cells on disease expression and T cell function in the MRL/lpr mouse model"*

2:00-2:20 **Alice Wiedeman, BS and Keith Elkon, MD:** *"TLR7 overexpression promotes accumulation of autoreactive CD19+ CD11c+ B cells"*

2:20-2:40 **Maureen McMahon, MD and Bevra Hahn, MD** *"High oxidative stress is associated with a 13 fold increased odds for the progression of subclinical atherosclerosis in SLE"*

**2:40-3:00 COFFEE BREAK**

3:00-3:20 **Ram Bethunaickan, PhD and Anne Davidson, MD:** *"A unique renal hybrid monocyte activation phenotype and its cross species transcriptional network between murine and human lupus nephritis"*

3:20-3:40 **Lionel Ivashkiv, MD:** *"IFNs and SLE pathogenesis"*

3:40-4:00 **Theresa Lu, MD:** *"Mechanisms of UV light-induced skin inflammation-the dendritic cell-vascular axis"*

4:00-5:00 **Discussion:** Moderator: David Pisetsky, MD, *"Opportunities for Translation of Research Advances to Improve Patient Outcomes"*

5:00-6:30 **POSTER PRESENTATIONS – BALLROOM IV**  
(WINE AND CHEESE SERVED)

**SATURDAY, SEPTEMBER 17<sup>TH</sup>, 2011**  
**Session IV Clinical Studies**

**7:00-8:00** **BREAKFAST (BALLROOM IV)**

8:00-8:20 **Karen Costenbader, MD** *“Prevalence and demographics of systemic lupus erythematosus and lupus nephritis among U.S. children with Medicaid coverage, 2002-2004”*

8:20-9:00 **Matthew Liang, MD:** *“Incidence, clinical manifestations and survival of SLE patients in a total population study of Afro-Caribbeans from the Barbados National Lupus Registry”*

9:00-9:20 **Antonio Avina-Zubieta, MD, and John Esdaile, MD:** *“Direct medical costs for systemic lupus erythematosus in British Columbia, Canada: A Population-Based Study”*

9:20-9:40 **Graciela Alarcón, MD:** *“Mestizo ethnicity is a risk factor for renal disease occurrence in SLE while antimalarials exert a protective effect: Data for a multi-national, multi-institution Latin American cohort”*

9:40-10:00 **Lindsey Criswell, MD:** *“European genetic ancestry protects against the development of renal disease in SLE”*

**10:00-10:15** **COFFEE BREAK**

10:15-10:35 **Maria Dall’Era, MD and David Wofsy, MD:** *“The ACCESS Trial: A novel design to determine whether Abatacept Plus Pulse Cyclophosphamide can induce sustained remission (‘tolerance’) in patients with lupus nephritis”*

10:35-10:55 **Peter Izmirly, MD and Jill Buyon MD:** *“Hydroxychloroquine and prevention of Anti-SSA/Ro associated cardiac disease in mothers with a previous child with neonatal lupus”*

10:55-11:15 **Michael Lockshin, MD, Eliza Kozora, PhD, Doruk Erkan, MD:** *“Cognitive function in SLE: Geographic differences and neuroimaging correlates”*

11:15-11:35 **Laura Julian, PhD and David Wofsy, MD:** *“Quantification of brain abnormalities and cognitive impairment in SLE”*

11:35-12:00 Discussion

**12:00** **MEETING ADJOURNED**

**Scientific Poster Presentations:**

**Effects on IRF5 first exon usage of an allele associated with risk for lupus**

*Daniel N. Clark, Brian D. Poole, PhD*

**Mechanistic study of role of interferon alpha in a murine lupus model**

*Zheng Liu PhD, Ramalingam Bethunaickan PhD, Weiqing Huang, Meera Ramanujam, Michael P. Madaio, Anne Davidson, MD*

**A potential role for myeloid derived suppressor cells in the protection from lupus-like disease in male (NZB x NZW) F1 mice**

*Abhishek Trigunaite, Ayesha Khan, Sanjay Varikuti, Justin Jones and Trine N. Jorgensen, PhD*

**Relative expansion of CD28- and HLA-DR+ CD8+ T in pediatric SLE reflects skewing of CD8+ T lymphocytes towards a terminally differentiated/ effector memory cytotoxic phenotype.**

*Gerlinde Obermoser, MD, Florence Allantaz, Jacques Banchereau and Virginia Pascual, MD*

**Differential DNA methylation associated with anti-dsDNA autoantibody production in systemic lupus erythematosus**

*Sharon A. Chung, MD, Kimberly E. Taylor, Hong L. Quach, Lisa F. Barcellos, Lindsey A. Criswell, MD*

**Outcome of individuals with high titer ANA but “asymptomatic”**

*I. Villa, M Lopez-Hoyos, J Calvo-Alen, MD*

**Lessons from a nation-wide registry of systemic rheumatic diseases**

*Axel Finckh, MD*

**Proof-of-Concept Study of a Novel Internet-based Identification of Persons with Possible Systemic Rheumatic Disease**

*Matthew H. Liang MD, Maura C.M. Couto, Cátia C.M. Duarte, Victoria Gall, Patience White, Stanley Naides, H. Ralph Schumacher, Jr., V. Michael Holers, Kevin D. Deane, Samar Gupta, I-Cheng Ho, Axel Finckh MD, Jacek Kopec, Linda Li, Eric C. Sayre*

**Mortality and Readmission of Patients with Systemic Lupus Erythematosus (SLE) Admitted to a Tertiary Hospital**

*Valentina Peeva, MD J Su, and Paul Fortin, MD*

**Pure membranous lupus nephritis in Caucasian patients: Clinical features and current therapy**

*Lucía Silva-Fernández, MD*

**B Lymphocyte Stimulator Levels in Systemic Lupus Erythematosus**

*Lauren L. Ritterhouse, Sherry R. Crowe, Timothy B. Niewold, Joan T. Merrill, Amy B. Dedeker, Gillian M. Air, Linda F. Thompson, Joel M. Guthridge, Judith A. James, MD*

**Does Epstein-Barr Virus Initiate Lupus Autoimmunity?**

*John B. Harley, MD, PhD*

**Respiratory Function in SLE Measured with Spirometry and Symptomatically During a Walking Test**

*CA Mancuso, MD, M Perna, JE Salmon, MD*

**Intrinsic unresponsiveness Mertk-/- B cells in the cGVH is associated with failure to downregulate MZ CD1d**

*Wen-Hai Shao, PhD, Yuxuan Zhen, Fred D. Finkelman, Robert A. Eisenberg, Philip L. Cohen, MD*

**MicroRNA Regulation of the Interferon Pathway in SLE**

*Qiu Guo, PhD, Agata Krzyzanowska, Rolando Duculan, Kyriakos Kirou, and Mary K. Crow, MD*

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