



Henry Kunkel Society Annual Meeting 2008

Autoimmunity, inflammation and lymphoproliferative diseases

Santa Margherita Ligure (Italy), May 21 – 24, 2008



Henry Kunkel Society President
Mary K. Crow, MD

Meeting Chair
Manlio Ferrarini, MD

Program Committee
J. Donald Capra, MD, Chair
Robert Carter, MD
Judith James, MD, PhD
Fritz Melchers, PhD
Vito Pistoia, MD
Debra Jeske Zack, MD, PhD

Organizing Local Committee
Vincenzo Barnaba, MD
Manlio Ferrarini, MD
Paolo Ghia, MD
Vito Pistoia, MD
Antonio Uccelli, MD

Presentation

The Henry Kunkel Society was founded in 1990 with the goal of bringing together researchers with a strong interest in both immunology research and clinical aspects of immune system-mediated diseases. The Society is named for Henry G. Kunkel, M.D., who was a physician and professor at Rockefeller University in New York. Dr. Kunkel's illustrious scientific life was distinguished by the ability to delineate principles of fundamental human biology through meticulous study of patients with a variety of disorders of the immune system. His ability to bring the study of the patient into the laboratory resulted in fundamental insights into the nature of the immune system and diseases characterized by autoimmunity, immunodeficiency and malignant proliferation of the elements of the immune system. Several generations of physician scientists who worked in his Rockefeller laboratory were influenced by Dr. Kunkel's unique mentorship style and disseminated his research approach to institutions throughout the United States and Europe.

An annual meeting of the Henry Kunkel Society is the core activity of the Society, with the aim of presentation and discussion of current research relevant to the pathogenesis and therapy of human disease, and with a particular focus on diseases mediated by the immune system. The meeting is preceded by the presentation of the Henry Kunkel Lecture, delivered by a distinguished investigator. Every third year the annual meeting is held at an international location and is open to all investigators whose research interests coincide with the mission of the Kunkel Society. Previous international meetings were held in Oslo, Grenada and Cambridge. The next international meeting will take place in Santa Margherita Ligure, Italy and is entitled, "Autoimmunity, inflammation and lymphoproliferative diseases". The Kunkel Lecture will be presented by Dr. John Atkinson, who will speak on "Lessons from innate immunity interacting with altered self". As is the case for all Kunkel Society meetings, the meeting format will feature invited lectures as well as presentations selected from submitted abstracts. The emphasis is on "bench to bedside" and "bedside to bench" research. The discussion will span the most relevant current research addressing genetics and immunopathogenesis of autoimmune, inflammatory and lymphoproliferative diseases and will extend to the newest advances in the treatment of those diseases. Discussion among investigators from basic immunology and clinical research fields will suggest new concepts in disease mechanisms as well as novel therapeutic strategies.

Invited speakers have been selected by a Program Committee and will include Kunkel Society members and non-members. Attendees will have the opportunity to submit abstracts from which additional oral and poster presentations will be selected.

ECM

Application for ECM credits for Italian participants has been requested to the Italian Ministry of Health. The project number is **358-8003857**.

The meeting has been granted with 12 ECM credits for physicians and biologists.

The credit certification is subject to the accreditation by the Ministry of Health, the full attendance of the meeting, the completion of the meeting evaluation test and the event evaluation form, the correspondance between the participant's profession and the professional categories defined as physicians (specialized in Immunology, Hematology, Rheumatology, Neurology) and biologists.

Official Language

The official language of the Meeting is English. No simultaneous translation will be provided.

Gala Dinner

On May 23rd, a Gala Dinner will be organized at Le Carillon, Via Paraggi al Mare 10, Paraggi, Santa Margherita Ligure (GE)

Program

■ Wednesday May 21

- 3.00pm-5.00pm Registration
- 5.00pm Welcomes
Mary K. Crow, MD, Manlio Ferrarini, MD and J.Donald Capra, MD
- 5.30pm **Henry G. Kunkel Lecture**
Lessons from innate immunity interacting with altered self
John Atkinson, MD
Washington University School of Medicine
- 7.00pm Welcome Cocktail

■ Thursday May 22

I Session: AUTOIMMUNE DISEASE GENETICS: A BURGEONING FRONTIER

Chair: Judith James, MD/PhD

- 8.30am **The inheritance of multiple sclerosis susceptibility**
George Ebers, MD
University of Oxford
- 9.00am **Advances in genetic evaluation of rheumatoid arthritis**
Peter Gregersen, MD
The Feinstein Institute for Medical Research
- 9.30am **SLEGEN - Whole genome association studies in SLE**
John Harley, MD/PhD
Oklahoma Medical Research Foundation
- 10.00am **Genome wide association studies in SLE**
Tim Behrens, MD
Genentech
- 10.15am Break
- 10.45am **Influence of genetic copy number on autoimmune susceptibility**
Robert Kimberly, MD
University of Alabama at Birmingham
- 11.15am **BAFF, memory and autoimmunity**
Michael Cancro, PhD
University of Pennsylvania School of Medicine

- 11.45am **Human genetics of infectious diseases: a unified theory**
Jean-Laurent Casanova, MD/PhD
Necker Medical School, University of Paris René Descartes
- 12.15pm **Differentiation and function of human regulatory T cells**
Derya Unutmaz, MD
New York University School of Medicine
- 12.30pm **Dual role of IL-15 in maintaining IL-7R α low CCR7- memory CD8+T cells in humans via recovering the PI3K/AKT pathway**
Insoo Kang, MD
Yale University, School of Medicine
- 12.45pm Lunch and Poster Viewing
- II Session: INFLAMMATION**
Co-chairs: Debra Jeske Zack, MD/PhD and Fritz Melchers, PhD
- 2.45pm **Cytokines in RA: the old, the new, and how they all fit together**
Jean-Michael Dayer, MD
Geneva School of Medicine
- 3.15pm **Interleukin-17: a new paradigm in inflammation, autoimmunity, and therapy**
Sarah Gaffen, PhD
University of Buffalo School of Dental Medicine
- 3.45pm **Molecular pathways in autoimmunity and inflammation**
Laurie Glimcher, MD
Harvard School of Public Health
- 4.15pm **ATP released following activation of various pathogen-sensing receptors autocrinally induces IL-1 β and IL-18 secretion by monocytes**
Anna Rubartelli, MD
National Cancer Research Institute, Genoa
- 4.30pm Break
- 4.45pm **Lessons learned from anti-CD28**
Thomas Hünig, MD
University of Würzburg
- 5.15pm **Mucosal, B cell and Ig switching interactions in inflammation: how bacteria support mucosal immunity**
Andrea Cerutti, MD
Weill Medical College of Cornell University
- 5.45pm **Osteoimmunology: how the immune system signals bone loss in rheumatic disease**
Georg Schett, MD
University of Erlangen-Nürnberg

6.15pm **A new form of Osteopetrosis caused by defects in the RANKL/RANK/OPG axis**
Anna Villa, MD
Institute of Biomedical Technologies, Segrate, Italy

6.30pm **SHIP1 associates with DAP12 and negatively regulated TREM2/DAP12 signaling in macrophages and osteoclasts**
Mary Beth Humphrey, MD/PhD
University of Oklahoma Health Science Center

6.45pm End of Session

■ Friday **May 23**

III Session: THE MOLECULAR AND CELLULAR BASIS OF (HUMAN) AUTOIMMUNITY

Chair: Robert Carter, MD

8.00am **Complement, antigen presentation, and autoimmunity**
Michael Carroll, PhD
Harvard Medical School

8.30am **MHC association with autoimmune disease: a hypothesis**
Elizabeth Mellins, MD
Stanford University Medical Center

8.45am **Targeting BAFF and/or APRIL**
Anne Davidson, MD
Feinstein Institute for Medical Research

9.15am **Cytokine, chemokine and cellular pathway targets in autoimmunity**
Lawrence Steinman, MD
Stanford University School of Medicine

9.45am **Natural Human CD4+CD25+high Regulatory T cells become Th17 effector cells in disease**
David Hafler, MD
Harvard Medical School

10.00am **TLR-dependent and -independent pathways in autoimmunity**
Argyrios Theofilopoulos, MD
Scripps Research Institute

10.30am Break

11.00am **The Sa (citullinated-vimentin) immune system in rheumatoid arthritis**
Henri Menard, MD
McGill University Health Center

- 11.15am **Human light chain V gene repertoires and transcription**
Martin Weigert, MD
The Gwen Knapp Center for Lupus and Immunology Research
University of Chicago
- 11.30am **Immune responses to foreign antigens and autoantigens take place in ectopic lymphoid tissue**
Westley Reeves, MD
University of Florida
- 11.45am **CD8+ diabetes antigen specific T cells in patients with Type 1 diabetes and after treatment with anti-CD3 mAb**
Kevan Herold, MD
Yale University Medical Center
- 12.00pm **Immunological memory in chronic inflammation**
Andreas Radbruch, PhD
German Rheumatism Research Centre, Berlin
- 12.15pm **Role of the ChemR23/chemerin axis in the recruitment of plasmacytoid dendritic cells in autoimmune diseases**
Silvano Sozzani, PhD
University of Brescia
- 12.30pm **Age related changes in human immunity**
Arne Akbar, PhD
University College, London
- 12.45pm Lunch and Poster Viewing
- IV Session: EARLY STEPS OF B CELL DIFFERENTIATION AND THE ORIGIN OF ACUTE LYMPHOBLASTIC LEUKEMIAS AND DIFFUSE LARGE CELL LYMPHOMAS**
Chair: Vito Pistoia, MD
- 3.00pm **Early B cell differentiation**
Paul Kincade, PhD
Oklahoma Medical Research Foundation
- 3.30pm **Genetic lesions in Acute Lymphoblastic Leukemia (ALL)**
James Downing, MD
St. Jude Children's Research Hospital
- 4.00pm **Molecular genetics of Diffuse Large Cell Lymphoma (DLCL)**
Riccardo Dalla-Favera, MD
Columbia University Medical Center

- 4.30pm **Clinical impact of molecular classifications of DLCL**
Margaret Shipp, MD
Dana Farber Cancer Institute
- 5.00pm Break
- 5.30pm **High affinity human monoclonal antibodies after influenza booster immunization**
Patrick Wilson, PhD
Oklahoma Medical Research Foundation
- 6.00pm **Optimal Recombination vs. Lymphomagenesis: the B cell challenge**
Rafael Casellas, PhD
Genomic Integrity and Immunity, NIAMS, National Institutes of Health
- 6.15pm **Lymphomas can develop from B cells chronically helped by idiotype-specific T cells**
Bjarne Bogen, MD
Institute of Immunology, Oslo, Norway
- 6.30pm **Immune Escape of Tumour Cells: Molecular mechanisms of complement resistance and strategies for therapeutic intervention**
Michael Kirschfink DVM, PhD
Institute of Immunology, University of Heidelberg
- 6.45pm End of Session
- 8.30pm Gala Dinner

■ **Saturday**

May 24

V Session: ANTIGEN-DRIVEN LYMPHOPROLIFERATIVE DISORDERS

Chair: J. Donald Capra, MD

- 8.30am **Infection-associated lymphomas**
Marc Lecuit, MD/PhD
Necker-Enfants Malades Hospital
- 9.00am **B-Cell Chronic Lymphocytic Leukemia (CLL) as an antigen driven process**
Nicholas Chiorazzi, MD
Feinstein Institute for Medical Research
- 9.30am **Multi-step pathogenesis of CLL**
Carlo Croce, MD
Ohio State University Comprehensive Cancer Center

- 10.00am **Monoclonal antibody therapy in CLL**
John Byrd, MD
Ohio State University Medical Center
- 10.30am Break
- 11.00am **Anti-leukemia effects of lenalidomide in CLL**
Asher Chanan-Khan, MD
Roswell Park Cancer Institute
- 11.30am **Therapy with proteasome inhibitors**
Nikhil Munshi, MD
Dana-Farber Cancer Institute
- 12.00pm **A mouse model to evaluate in vivo human hemato-lymphopoiesis and immune system function**
Markus Manz, MD
Institute for Research in Biomedicine, Switzerland
- 12.15pm **Concluding Remarks**
Mary K. Crow, MD and Manlio Ferrarini, MD
- 12.45pm **Evaluation test** (only for Italian physicians and biologists)
- 1.00pm Farewell cocktail

Poster Presentations

Session I:

Thursday, May 22 1.00pm-2.45pm

- P.1 Jacques Behmoaras, Imperial College, Hammersmith Hospital, London
- P.2 Claudia Berek, Deutsches Rheuma Forschungszentrum, Berlin
- P.3 Bogen Bjarne, Centre for Immune Regulation, Institute of Immunology, University of Oslo
- P.4 Bogen Bjarne, Centre for Immune Regulation, Institute of Immunology, University of Oslo
- P.5 Gabriela Constantin, Department of Pathology, University of Verona
- P.6 Anna Corcione, Laboratory of Oncology, G. Gaslini Institute, Genoa
- P.7 Terri Finkel, The Children's Hospital of Philadelphia, University of Pennsylvania
- P.8 Patrick Gaffney, Oklahoma Medical Research Foundation, Oklahoma
- P.9 Benkhoucha Mahdia, Department of Pathology and Immunology, University Hospital, Geneva
- P.10 Paola Migliorini, Immunoallergology Unit, University Hospital of Pisa

- P.11 Ignazia Prigione, Laboratory of Oncology, G. Gaslini Institute, Genoa
- P.12 Marie-Laure Santiago-Raber, Medical School of Geneva
- P.13 Marie-Laure Santiago-Raber, Medical School of Geneva
- P.14 Francesca Schena, II Division of Pediatrics, IRCCS G. Gaslini Institute, Genoa
- P.15 Kendall Smith, Weill Medical College of Cornell University, New York
- P.16 Pieter Fokko Van Loo, Depts of Pulmonary Medicine and Immunology, Erasmus MC Rotterdam

Session II:

Friday, May 23 1.00pm-3.00pm

- P.1 Arne N. Akbar, Department of Immunology, University College London
- P.2 Davide Bagnara, The Feinstein Institute for Medical Research, Manhasset NY
- P.3 Teodor-D. Brumeanu, Uniformed Services University of Health Sciences, Bethesda
- P.4 Claudia Cocco, Laboratory of Oncology, G. Gaslini Institute, Genoa
- P.5 Anna Corcione, Laboratory of Oncology, G. Gaslini Institute, Genoa
- P.6 Silvia Deaglio, University of Torino Medical School, Turin
- P.7 Götz Ehrhardt, Emory University School of Medicine, Atlanta
- P.8 Andras Falus, Dept. Genetics, Cell and Immunobiology, Semmelweis University, Budapest
- P.9 Rudi Hendriks, Dept of Immunology and Dept of Pulmonary Medicine, Erasmus MC Rotterdam
- P.10 Claudia Manca, Public Health Research Institute, Newark
- P.11 Gianluca Matteoli, IFOM-IEO Campus, Milan
- P.12 Anna Rubartelli, Cell Biology Unit, National Cancer Research Institute, Genoa
- P.13 Claudine Schiff, Center of Immunology Marseille-Luminy (CIML), Marseille
- P.14 Nathan Schoettler, Gwen Knapp Center for Lupus and Immunology Research, University of Chicago
- P.15 Valerie Serban, New York Medical College, New York
- P.16 Pan Zheng, Department of Pathology, University of Michigan, Ann Arbor

Henry Kunkel Society Lecturers

1992 - Louis Kunkel
1993 - David Ho
1994 - Benvenuto Pernis
1996 - Jeffrey Ravetch
1997 - Anthony Fauci
1998 - Klaus Rajewsky
1999 - Peter Doherty
2000 - Max D. Cooper
2001 - Fritz Melchers
2002 - Tasuku Honjo
2003 - Fred Rosen
2004 - Diane Mathis
2005 - Charles Weissmann
2006 - Ralph M. Steinman
2007 - Antonio Lanzavecchia

Henry Kunkel Society Presidents

Nick Chiorazzi
Peter Lachmann
John B. Zabriskie
J. Donald Capra
Jacob B. Natvig
Alexander Bearn
Eng M. Tan

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Meeting venue

Grand Hotel Miramare

Lungomare Milite Ignoto, 30
Santa Margherita Ligure, Genoa (Italy)
Tel +39 0185 287013

How to get the meeting venue

Santa Margherita Ligure is located 36 km from Genoa and 3 km from Portofino in the heart of the Riviera Ligure.

By train: railway Station of Santa Margherita-Portofino is 5 minutes from the hotel.

By plane: 40 minutes from Genoa International Airport Cristoforo Colombo. Transfer service available.

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Organizing Secretariat

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