



CIS Clinical
Immunology
Society

2013 CIS Annual Meeting:
Regulation & Dysregulation of Immunity
APRIL 25 – 28, 2013 • MIAMI, FL

FINAL PROGRAM



Dear Colleagues,


On behalf of the Clinical Immunology Society (CIS), thank you for participating in the 2013 Annual Meeting: Regulation & Dysregulation of Immunity taking place April 25 – 28, 2013 at the JW Marriott Marquis in Miami, FL.

CIS is the key inter-disciplinary organization for the field of clinical immunology and is devoted to fostering developments in the science and practice of clinical immunology. The mission of CIS is to facilitate education, translational research and novel approaches to therapy in clinical immunology and to promote excellence in the care of patients with immunologic/inflammatory disorders.

The goal of the CIS leadership and Program Committee is to have a multi-disciplinary meeting with a broad focus where delegates can learn about human immunology-related research conducted in specialties of medicine other than their own and consider how to apply those paradigms to their own research. Our goal is to accomplish this with collaboration amongst our corporate supporters.

The CIS leadership is excited about the 2013 Annual Meeting and we look forward to bringing accomplished clinical researchers together to present what is sure to be outstanding science. We hope you enjoy the meeting!

Sincerely,



Daniel C. Adelman, MD
2013 Annual Meeting Co-Chair
CIS Secretary-Treasurer



Lawrence B. Schwartz, MD, PhD
2013 Annual Meeting Co-Chair
CIS President

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ABOUT THE CLINICAL IMMUNOLOGY SOCIETY

The Clinical Immunology Society (CIS), established in 1986, is the key interdisciplinary organization for the field of clinical immunology and is devoted to fostering developments in the science and practice of clinical immunology. CIS is an international professional organization which includes more than 650 clinicians, investigators, and trainees.

The mission of CIS is to facilitate education, translational research and novel approaches to therapy in clinical immunology to promote excellence in the care of patients with immunologic/inflammatory disorders.

The primary objectives and purposes of CIS are to:

- facilitate the interchange of ideas and information among physicians and other investigators who are concerned with immunological/inflammatory diseases;
- promote research on the causes and mechanisms of diseases relating to the immune system and, as a result, to unify concepts of disease pathogenesis;
- encourage investigators and clinicians to share in their knowledge of immunologically active drugs and other interventions;
- promote application and dissemination of recent advances in biomedical science for the prevention, diagnosis and treatment of diseases related to immunity and inflammation; and
- foster excellence in research and medical practice.

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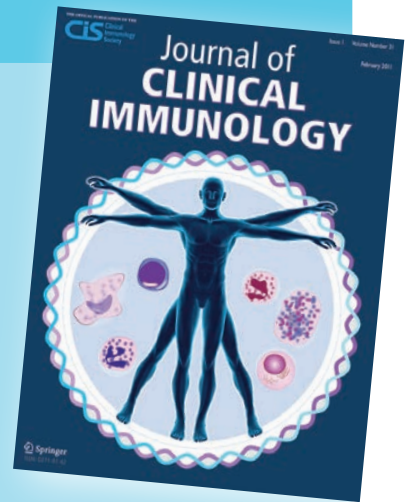
Submit a Manuscript

The *Journal of Clinical Immunology* accepts manuscripts in the areas of human, basic, and clinical immunology and molecular biology. The areas of basic immunology include (but are not limited to) studies of lymphocytes, antigen presenting cells, neutrophils, natural killer cells, complement components, immunoglobulins, antibodies, cytokines and their receptors, immunoregulation, signal transduction, T-cell receptors, and immunoglobulin genes. Papers on animal models of human diseases are welcome. Articles dealing with molecular biology related to human diseases are accepted. Special Articles are by invitation only. Case reports will only be considered if they are linked to novel new findings/science or are accompanied by an extensive review of the relevant medical literature to the findings of the case report.

Authors, editors and reviewers of *Journal of Clinical Immunology* use our fully web-enabled online manuscript submission and review system. To keep the review time as short as possible, we request authors to submit manuscripts online to the journal's editorial office. Our online manuscript submission and review system offers authors the option to track the progress of the review process of manuscripts in real time.

About the Journal

The *Journal of Clinical Immunology* is a bimonthly international journal that helps researchers and academic clinicians keep current on investigative basic immunology and diseases related to the immune system. This well-established journal publishes articles on basic, translational, and clinical studies in all aspects of immunology, including animal models of human diseases. The OnlineFirst™ feature allows articles to be viewed through the journal's website before they are available in the printed journal. The *Journal of Clinical Immunology* is the official journal of the Clinical Immunology Society.



To submit a manuscript, please visit <http://www.editorialmanager.com/joci/>

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and Infectious Disease
Bethesda, MD, USA

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Jordan Orange
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Center
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La Jolla Institute for Allergy
and Immunology
San Diego, CA, USA

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MEMBERSHIP APPLICATION INFORMATION

Apply online at www.clinimmsoc.org

MISSION STATEMENT

The mission of the Clinical Immunology Society is to facilitate education, translational research and novel approaches to therapy in clinical immunology to promote excellence in the care of patients with immunologic/inflammatory disorders.

ABOUT CIS: OBJECTIVES AND PURPOSES

The Clinical Immunology Society (CIS), established in 1986, is devoted to fostering developments in the science and practice of clinical immunology. The primary objectives and purposes of this Society shall be to:

1. facilitate the interchange of ideas and information among physicians and other investigators who are concerned with immunologic/inflammatory diseases;
2. promote research on the causes and mechanisms of diseases relating to the immune system and, as a result, to unify concepts of disease pathogenesis;
3. encourage investigators and clinicians to share their knowledge of immunologically active drugs and other interventions;
4. promote application and dissemination of recent advances in biomedical science for the prevention, diagnosis and treatment of diseases related to immunity and inflammation and;
5. foster excellence in research and medical practice.

MEMBERSHIP BENEFITS

The benefits of membership in the Clinical Immunology Society include:

- The opportunity to be involved in a dynamic society devoted to fostering the development of clinical immunology.
- Reduced registration fees to the CIS Annual Meeting & Primary Immune Deficiency National Conference.
- Complimentary online subscription to the *Journal of Clinical Immunology*, the official peer-reviewed scientific journal of the Clinical Immunology Society;
- Opportunities to advance your career by serving on CIS Committees or serving as faculty for CIS Schools and meetings;
- Access to the CIS Membership Directory and beneficial links on the CIS website, www.clinimmsoc.org.
- Belonging to an association that is accredited by the Accreditation Council for Continuing Medical Education to sponsor CME for physicians;
- Reduced FOCIS Annual Meeting Registration fees;
- Access to virtual meeting content through the CIS website.

MEMBERSHIP CATEGORIES AND REQUIREMENTS

Regular membership shall be open to those individuals who:

- are engaged in research in the area of clinical immunology or have contributed to or are engaged in the practice of clinical immunology;
- have an MD, DO, PhD or equivalent academic degree;
- are active, bona fide representatives of the international scientific community with a specialty or interest in a field related to clinical immunology.

Associate membership shall be open to those individuals who:

- hold a Bachelors, Masters, RN or equivalent degree with a demonstrated interest in clinical immunology.

Trainee membership shall be open to those individuals who:

- are enrolled in academic programs awarding, and are candidates for, MD, DO, PhD, or equivalent degree, with a demonstrated interest in clinical immunology.
- are participating in post-doctoral or clinical fellowship, or residency programs.

DEVELOPING COUNTRIES

Applicants from developing countries are eligible for a reduced dues rate of \$50.00 upon request.

APPLICATION PROCESS

Applicants for **Regular** and **Associate** membership must submit:

- a CIS membership application;
- a current curriculum vitae;
- the first year's dues with application.

Applicants for **Trainee** membership must submit:

- a CIS membership application;
- the first year's dues with application;
- attestation statement available at www.clinimmsoc.org/UserFiles/file/AttestationStatement.pdf.

CLINICAL IMMUNOLOGY SOCIETY

555 East Wells Street, Suite 1100
Milwaukee, WI 53202-3823 USA

Telephone: 414.224.8095

info@clinimmsoc.org

Fax: 414.272.6070

www.clinimmsoc.org

CIS 2013 MEMBERSHIP APPLICATION

First Name _____ Middle Initial _____ Last Name _____

Designation (MD, PhD, other) _____ Current Position/Title _____

Date of Birth _____ Training Start Date _____ Training End Date _____

Institution _____

Current Research Interest(s) (up to 3) _____

Preferred Mailing Address: Business Home

Business Address _____

City _____ State _____ Postal Code/Country _____

Business Phone _____ Fax _____

E-mail _____

Home Address _____

City _____ State _____ Postal Code/Country _____

Home Phone _____

PLEASE SELECT TO BE LISTED ON THE FIND AN IMMUNOLOGIST DIRECTORY:

- I would like to be listed in the on-line Find an Immunologist Referral Directory
must be clinically active to qualify

JOURNAL OF CLINICAL IMMUNOLOGY – OFFICIAL JOURNAL OF THE CLINICAL IMMUNOLOGY SOCIETY

As a CIS member you are entitled to receive electronic access. You may add a print subscription for an additional \$20.

- I DO wish to receive the print subscription to the CIS Journal at a cost of \$20.

AFFILIATIONS (CHECK ALL THAT APPLY):

- | | |
|---|--|
| <input type="checkbox"/> Industry | <input type="checkbox"/> Private Practice |
| <input type="checkbox"/> Medical School | <input type="checkbox"/> Research University |
| <input type="checkbox"/> Military | <input type="checkbox"/> NIH/FDA |
| <input type="checkbox"/> Other _____ | |

SPECIALTY (CHECK ALL THAT APPLY):

- | | |
|---|--|
| <input type="checkbox"/> Allergy/Asthma/Pulmonary | <input type="checkbox"/> Immunodeficiency |
| <input type="checkbox"/> Autoimmunity | <input type="checkbox"/> Immunogenetics |
| <input type="checkbox"/> Cardiovascular | <input type="checkbox"/> Immunotherapy |
| <input type="checkbox"/> Cytokines | <input type="checkbox"/> MS/Neuroimmunology |
| <input type="checkbox"/> Dermatology | <input type="checkbox"/> Mucosal Immunology |
| <input type="checkbox"/> Diagnostic/Laboratory Immunology | <input type="checkbox"/> Pathology |
| <input type="checkbox"/> Endocrinology | <input type="checkbox"/> Ophthalmology |
| <input type="checkbox"/> Gastroenterology | <input type="checkbox"/> Reproductive Immunology |
| <input type="checkbox"/> Hematology | <input type="checkbox"/> Rheumatology |
| <input type="checkbox"/> HIV/Infectious Diseases | <input type="checkbox"/> Transplantation |
| <input type="checkbox"/> Histocompatibility | <input type="checkbox"/> Tumor Immunology |
| | <input type="checkbox"/> Other _____ |

MEMBERSHIP CATEGORY

- Regular – 3+ years out of training \$200*
 Regular – 2 years out of training/training completed in 2008 \$125*
 Regular – 1 year out of training/training completed in 2009 \$50*
 Associate \$175*

Documents required for Regular & Associate Membership:

- Current Curriculum Vitae
 Trainee \$35*
 Name of training program director _____

Documents required for Trainee Membership

- Attestation Statement
**Dues must be submitted with your application.*

DEVELOPING COUNTRIES

- As an applicant from a developing country I am requesting the reduced dues rate of \$50.00.

PLEASE CONSIDER MAKING A DONATION TO CIS

- General Donation Amount: \$ _____
 Educational Programs Amount: \$ _____

TOTAL AMOUNT ENCLOSED / AUTHORIZED TO CHARGE

\$ _____

PAYMENT METHOD:

- Check (in US dollars payable to Clinical Immunology Society)
 VISA MASTERCARD
 DISCOVER AMERICAN EXPRESS

Cardholder Name _____ Cardholder Signature _____

Card Account Number _____

Expiration Date _____ 3 Digit Security Code _____
 (4 Digits for AmEx)



APPLICATION FOR CIS-PIDD LIST SERVICE ACCESS

CIS-PIDD is a professional group of physicians and scientists with an interest in primary immunodeficiencies. The purpose of the group is to enhance collaborations and exchange information among members. We welcome physicians who provide care for patients with immunodeficiencies and scientists who are doing research related to the primary immunodeficiencies who wish to join our group.

This list service is managed by the Clinical Immunology Society. Completed applications must be sent to CIS by email, fax or the postal service to the following address:

CLINICAL IMMUNOLOGY SOCIETY

555 East Wells Street, Suite 1100

Milwaukee, WI 53202/USA

Email: info@clinimmsoc.org

Telephone: 414.224.8095 - Fax: 414.272.6070

Name _____

Department _____

Institution _____

Address _____

City _____ Postal Code _____

Country _____

Phone _____ Fax _____

Email address _____

Basis of interest in CIS-PIDD list service: _____

DISCLAIMER

The communication provided by this list service is for educational or informational purposes only and is not intended to replace or constitute medical advice or treatments.

CIS intends that the information discussed on this list service is accurate. However, these discussions are between CIS-PIDD list service members. Therefore, CIS disclaims any warranty of any kind, whether express or implied, as to any matter whatsoever relating to this service, including without limitation merchantability or fitness for any particular purpose. In no event shall CIS be liable for any indirect, special, incidental or consequential damages arising out of any use of or reliance on any content or materials contained herein.

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CIS does not assume and hereby disclaims any and all liability to any person or entity for any claims, damages, liability or other loss including, without limitation, any liability for injury or other damage resulting from any use of or reliance on this service or from the posting of any content or material by any third party.

No use of, or reliance on, information included on this list service shall be deemed to give rise to a physician-patient relationship. No information presented shall be deemed to present the only or necessarily the best method or procedure with respect to a matter discussed on this service; rather, any such material shall be acknowledged as only the approach or opinion of the discussant. The user assumes all risks of using the information discussed on this list service.

I would like to join the CIS-PIDD List Service and agree to abide by the guidelines.

Signature: _____ Date: _____



APPLICATION FOR CIS-AUTOIMMUNE POLYENDOCRINE SYNDROMES (APS) LIST SERVICE PARTICIPATION

The Autoimmune Polyendocrine Syndromes (APS) list service is a professional email group of physicians and scientists with an interest in APS. The purpose of the group is to enhance collaborations and exchange information among participants. We welcome physicians and researchers who have a special interest in autoimmune polyendocrine syndromes including the clinical care of patients and research into the pathophysiology, natural history and possible treatments for these disorders to join our group.

PLEASE PRINT OR TYPE AND RETURN COMPLETED FORM TO THE CIS NATIONAL OFFICE

Name _____

Department _____

Institution _____

Address _____

City _____ Postal Code _____

Country _____

Phone _____ Fax _____

Email address _____

I would like to join the CIS-APS list service group and I agree to abide by the guidelines.

Signature: _____ Date: _____

CLINICAL IMMUNOLOGY SOCIETY
APS List Service
555 East Wells Street, Suite 1100
Milwaukee, WI 53202/USA
Email: info@clinimmsoc.org
Telephone: 414.224.8095 - Fax: 414.272.6070

CIS-AUTOIMMUNE POLYENDOCRINE SYNDROMES (APS) LISTSERV GUIDELINES

INTRODUCTION:

This E-mail Listserv has been set up to provide an easy way for professionals with an interest in APS to discuss issues of common interest. You can send an email to the server group. Your email will appear in the email file of everyone on the server list. If someone offers advice, that advice also appears in everyone's email. A third person may disagree and join the conversation. We hope to generate many lively discussions. The server group may also be used to look for collaborators or new faculty members. This Listserv is set up as a communication tool to help you interact with your colleagues. It is closed to the general public.

GUIDELINES FOR POSTING MESSAGES:

Different people have different access privileges to the Internet. Your messages affect a large number of people. Please keep this in mind when sending a message to the group. Here are some specific guidelines to help keep things simple.

1. Do not use this list for commercial purposes or allow anyone else to use this list for commercial purposes.
2. Part of the purpose of the server group is to help us to build a community. To do this, we must be able to identify each other. At the end of your message, sign your email with your name, institution, address, phone number, fax number and email address. This will also allow people to contact you directly if they have a message that is not of general interest.
3. Do not send attachments in your message (attachments are files from another software program on your hard drive). Because people use a variety of different software programs, attachments cannot generally be opened by the entire group.
4. Your writing is a reflection of professionalism. Please spell check your messages and use the same rules for grammar and politeness that you would use in a paper letter. CAPITAL LETTERS ARE SEEN AS SHOUTING WORDS. Please use respect for your colleagues.
5. Keep 'Subject' lines relevant. If the topic changes, change the 'Subject.'

We ask that all participants adhere to these guidelines in order to facilitate reasonable discussion, enhance the quality of the service and to make life easier for everyone who reads the list.

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The communication provided by this Listserv is for educational or informational purposes only and is not intended to replace or constitute medical advice or treatments.

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GENERAL MEETING INFORMATION

MEETING LOCATION

All educational sessions, posters, exhibits, and registration held as part of the CIS Annual Meeting will take place at the JW Marriott Marquis.

JW MARRIOTT MARQUIS

255 Biscayne Boulevard Way
Miami, FL 33131
P: (305) 421-8600

REGISTRATION DESK

JW Marriott Marquis ~ 3rd Floor, Met Ballroom Pre-function

REGISTRATION DESK HOURS

Wednesday, April 24	4:00pm – 7:00pm
Thursday, April 25	7:30am – 7:00pm
Friday, April 26	7:30am – 7:00pm
Saturday, April 27	7:30am – 6:00pm
Sunday, April 28	7:30am – 12:00pm

EXHIBIT HALL

JW Marriott Marquis ~ 3rd Floor, Met Ballroom 1 - 4

Exhibitors provide the latest information on products and services available to physicians, researchers and allied health professionals in the field of immunology. Take this valuable opportunity to meet with companies and organizations specializing in all areas of the immunology field.

EXHIBITOR MOVE-IN HOURS

Wednesday, April 24	2:00pm – 7:00pm
Thursday, April 25	6:00am – 11:30am

EXHIBIT & POSTER SESSION HOURS

Thursday, April 25	11:30am – 1:30pm 5:30pm – 7:30pm
Friday, April 26	11:00am – 1:00pm 7:00pm – 9:00pm
Saturday, April 27	11:30am – 1:30pm 5:45pm – 7:45pm

EXHIBITOR DISMANTLE HOURS

Sunday, April 28	8:00am – 5:00pm
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POSTER SESSIONS

Poster sessions are held in the exhibit hall and authors will be present with their posters during exhibit hall hours. Lunch will be available during the afternoon poster session hours and hors d'oeuvres and an open bar are available during the evening poster session hours.

PUBLISHING OF ABSTRACTS

The abstracts submitted to the 2013 Annual Meeting are published in the April issue of *Journal of Clinical Immunology*, the official journal of the Clinical Immunology Society. Copies are available at the CIS registration desk.

ACCESSIBILITY

If you require special arrangements in order to fully participate in the CIS Annual Meeting, please speak with a CIS staff member at the registration desk.

NAME BADGES

All registered attendees at the CIS Annual Meeting will receive a name badge as part of their registration packet. These badges should be worn at all times as they will be used to control access to sessions and activities.

SMOKING

Smoking is prohibited at all CIS Annual Meeting sessions and events.

EVALUATIONS

Delegates will have the opportunity to provide feedback on their experience at the 2013 CIS Annual Meeting. After the meeting all registered delegates will receive an online evaluation to complete. Evaluations are an important part in helping us to improve our educational sessions so please take a moment to complete it!



GRIFOLS

CIS / GRIFOLS FELLOWSHIP AWARD

Thanks to a generous grant from Grifols, we were able to offer one (1) \$30,000 Fellowship Award to a promising immunologist who has demonstrated a commitment to the study of primary immunodeficiency as a career path. Funding is to support the education and research endeavors of this individual.

Congratulations to the Fellowship Award Winner:
Talal Imad Mousallem, Duke University



CIS / BAXTER SCHOLARSHIP PROGRAM

Thanks to a generous grant from Baxter, we were able to offer one (1) \$30,000 Fellowship Award and one (1) \$30,000 Junior Faculty Award to two promising immunologists who have demonstrated a commitment to the study of primary immunodeficiency as a career path. Funding is to support the education and research endeavors of these individuals.

Congratulations to the Fellowship Award Winner:
Paul J. Maglione, MD PhD, Mt. Sinai Medical Center

Congratulations to the Junior Faculty Award Winner:
Sarah K. Nicholas, MD, Texas Children's Hospital



NIT / FIT MEET & GREET RECEPTION

The members of the CIS New-Immunologists-in-Training / Fellows-in-Training (NIT / FIT) Committee invite you to attend the NIT / FIT Reception on Thursday, April 25th from 5:30 – 7:30pm. This is an opportunity for Fellows and Trainees to network with their colleagues and senior faculty. Come and mingle with the future leaders in the field of immunology as you meet the committee members and discuss their professional and committee-related goals.

CONTINUING MEDICAL EDUCATION INFORMATION

PURPOSE

The purpose is to provide an intellectual forum for all clinicians and researchers from around the world to discuss diagnosis, pathogenesis, and management of the regulation and dysregulation of immunity.

TARGET AUDIENCE

The target audience is physicians and researchers working in various clinical immunology specialties including, but not limited to, allergy, autoimmunity, dermatology, gastroenterology, hematology, infectious disease, primary immunodeficiency, rheumatology, and transplantation.

EXPECTED RESULTS

At the completion of the activity participants should be able to:

- Recognize the value of new research techniques;
- Describe new research findings in immunology;
- Explain the diagnosis and management of diseases and disorders across various subspecialties of medicine.

ACCME ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the sponsorship of the Clinical Immunology Society (CIS). The CIS is accredited by the ACCME to provide continuing medical education for physicians.

DESIGNATION STATEMENT

The Clinical Immunology Society designates this live activity for a maximum of 18.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CLAIMING CME

To claim CME credit and print out your CME certificate and/or certificate of attendance, please visit <http://www.cjinimmsoc.org/cme/am13>.

2013 ANNUAL MEETING PROGRAM COMMITTEE AND SPEAKER DISCLOSURES

Daniel C. Adelman, MD

ALVINE PHARMACEUTICALS, INC.
Stellar Biotechnologies – *Scientific advisor receiving Honoraria*
Alvine Pharmaceuticals, Inc. – *Employee receives salary*

John P. Atkinson, MD

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
Compliment Corporation – *Membership on advisory committee or review committee receiving Ownership interest*
Kypa, Inc – *Membership on advisory committee or review committee receiving Ownership interest*
Genentech, INC – *Consulting receiving Consulting fee*
Celldex Therapeutics – *Consulting receiving Consulting fee*
Alexion Pharmaceuticals, Inc – *Consulting and Membership on advisory committee or review committee receiving Consulting fee*

Rosa Bacchetta

SAN RAFFAELE TELETHON INSTITUTE FOR GENE THERAPY (HSR-TIGET), MILAN, ITALY
There are no relationships to disclose.

Sarah K. Browne, MD

NIAID, NIH
There are no relationships to disclose.

Rebecca H. Buckley, MD

DUKE UNIVERSITY MEDICAL CENTER
There are no relationships to disclose.

A. Wesley Burks, MD

UNC - CHAPEL HILL CHILDREN'S HOSPITAL
Merck – *Consulting receiving Consulting fee*
Mylan Speciality – *Speaking and Teaching receiving Honoraria*
Allertein – *Minority Stockholder receives stock*

Fabio Candotti, MD

NATIONAL HUMAN GENOME RESEARCH INSTITUTE
There are no relationships to disclose.

Jean-Laurent Casanova, MD, PhD

ROCKEFELLER UNIVERSITY
There are no relationships to disclose.

Joseph A. Church, MD

KECK SCHOOL OF MEDICINE, UNIVERSITY OF SOUTHERN CALIFORNIA
Baxter Health Care – *Consulting receiving Consulting fee*
Gritols Therapeutics Inc. – *Research Grant Recipient receiving Research Grant*

Robert A. Eisenberg, MD

UNIVERSITY OF PENNSYLVANIA
Astellas – *Consulting receiving consulting fees*
Sands Capital Management – *Consulting receiving consulting fees*
Genentech – *Consulting receiving consulting fees*
B-Siege Biotech – *Scientific board receives non-remunerative*
Ajinomoto – *Common Stock ownership for miniscule proportion of companies*
BMS – *Common Stock ownership for miniscule proportion of companies*
Dupont – *Common Stock ownership for miniscule proportion of companies*
GE – *Common Stock ownership for miniscule proportion of companies*
Invesco Global Health Care - *Common Stock ownership for miniscule proportion of companies*
Corning – *Common Stock ownership for miniscule proportion of companies*
J&J – *Common Stock ownership for miniscule proportion of companies*
Eli Lilly – *Common Stock ownership for miniscule proportion of companies*
Merck – *Common Stock ownership for miniscule proportion of companies*
P&G – *Common Stock ownership for miniscule proportion of companies*

Emilia Liana Falcone, MD

NATIONAL INSTITUTES OF HEALTH
There are no relationships to disclose.

C. Garrison Fathman, MD

STANFORD UNIVERSITY MEDICAL SCHOOL
There are no relationships to disclose.

Gilberto Filaci, MD, PhD

UNIVERSITY OF GENOA
There are no relationships to disclose.

2013 ANNUAL MEETING PROGRAM COMMITTEE AND SPEAKER DISCLOSURES

Thomas A. Fleisher, MD

NATIONAL INSTITUTES OF HEALTH

There are no relationships to disclose.

B. Brett Finlay

UNIVERSITY OF BRITISH COLUMBIA

There are no relationships to disclose.

Michael M. Frank, MD

DUKE UNIVERSITY MEDICAL CENTER

Robert Michael Educational Institute - *Speaking and Teaching receiving Honoraria*

CSL Behring - *Consulting receiving Consulting fee*

James L. Gulley, MD, PhD, FACP

NATIONAL CANCER INSTITUTE

There are no relationships to disclose.

Hal M. Hoffman, MD

RADY CHILDREN'S HOSPITAL

Novartis - *Consulting receiving Consulting fee and Honoraria*

Sobi - *Consulting receiving consulting fee; Speaking and Teaching receiving Honoraria;*

Membership on advisory committee or review committee receiving Consulting fee

Regeneron - *Consulting receiving Consulting fee*

Steven M. Holland, MD

NIAID, NIH

There are no relationships to disclose.

Carl June, MD

UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE

At time of program printing, no Disclosures were received

Charles H. Kirkpatrick, MD

UNIVERSITY COLORADO HEALTH SCIENCE CENTER

pharming - *Research Grant receiving Grant Recipient*

Jerini - *Research Grant receiving Grant Recipient*

Dyax Corp. - *Consulting receiving consulting fee*

Xiao-Fei Kong, MD, PhD

THE ROCKEFELLER UNIVERSITY

There are no relationships to disclose.

Donald B. Kohn, MD

UNIVERSITY OF CALIFORNIA, LOS ANGELES

There are no relationships to disclose.

Caroline Y. Kuo, MD

DAVID GEFLEN SCHOOL OF MEDICINE AT UCLA

There are no relationships to disclose.

Mark Larché, PhD

MCMASTER UNIVERSITY

Circassia Limited - *Consulting receiving consulting fee; Intellectual property rights receiving Ownership interest*

Adiga Life Sciences - *Consulting receiving Honoraria*

Abbott - *Consulting receiving Honoraria*

W. Ian Lipkin, MD

COLUMBIA UNIVERSITY

There are no relationships to disclose.

Harry L. Malech, MD

NATIONAL INSTITUTES OF HEALTH

There are no relationships to disclose.

Claudia Mauri, PhD

UNIVERSITY COLLEGE LONDON

There are no relationships to disclose.

Eric Meffre, PhD

YALE UNIVERSITY SCHOOL OF MEDICINE

Nimbus Discovery Inc. - *Consulting receiving Consulting fee*

Joshua Milner, MD

NIAID, NIH

There are no relationships to disclose.

Eric G. Pamer

MEMORIAL SLOAN-KETTERING CANCER CENTER

There are no relationships to disclose.

Charles Parker

UNIVERSITY OF UTAH SCHOOL OF MEDICINE

There are no relationships to disclose.

Elena Elizabeth Perez, MD, PhD

UNIVERSITY OF MIAMI

Baxter - *Consulting receiving Honoraria*

CSL Behring - *Consulting receiving Honoraria*

Vidara Therapeutics Inc. - *Consulting receiving Honoraria*

Jeffrey V. Ravetch MD, PhD

THE ROCKEFELLER UNIVERSITY

There are no relationships to disclose.

David J. Rawlings, MD

SEATTLE CHILDREN'S RESEARCH INSTITUTE

There are no relationships to disclose.

Marc Riedl, MD

UCLA DAVID GEFLEN SCHOOL OF MEDICINE

CSL Behring - *Speaking and Teaching; Membership on advisory committee or review committee receiving Honoraria; Grant Recipient receiving Research Grant*

Dyax - *Speaking and Teaching; Membership on advisory committee or review committee receiving Honoraria; Grant Recipient receiving Research Grant*

ViroPharma - *Speaking and Teaching; Membership on advisory committee or review committee receiving Honoraria; Grant Recipient; receiving Research Grant*

Shire - *Speaking and Teaching; Membership on advisory committee or review committee receiving Honoraria; Grant Recipient receiving Research Grant*

Pharming - *Grant Recipient receiving Research Grant*

BioCryst - *Membership on advisory committee or review committee receiving Honoraria*

Isis - *Grant Recipient receiving Honoraria*

Noel R. Rose, MD

JOHNS HOPKINS UNIVERSITY

There are no relationships to disclose.

Marc Elliott Rothenberg, MD, PhD

CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER

Immune Pharmaceutical - *Consulting and Membership on advisory committee or review committee receiving Consulting fee and Ownership interest receiving*

Teva Pharmaceutical - *Consulting receiving Royalty*

2013 ANNUAL MEETING PROGRAM COMMITTEE AND SPEAKER DISCLOSURES

Lawrence B. Schwartz, MD, PhD

VIRGINIA COMMONWEALTH UNIVERSITY SCHOOL OF MEDICINE

BioLegend - *Independent contractor receiving Royalty*

Santa Cruz - *Independent contractor receiving Royalty*

Hycult - *Independent contractor receiving Royalty*

Millipore - *Independent contractor receiving Royalty*

Phadia (ThermoFisher) - *Independent contractor receiving Royalty*

Sanofi - *Consulting receiving Consulting fee*

Tekmira - *Consulting receiving Consulting fee*

Cecil's Textbook of Medicine - *Independent contractor receiving Royalty*

Up-To-Date - *Independent contractor receiving Royalty*

Springer/J Clin Immunol Associate Editor - *Independent contractor receiving Honoraria*

Marshal Edwards Inc. - *Consulting receiving Consulting fee*

Silvia Selleri, PhD

CHU SAINTE-JUSTINE

There are no relationships to disclose.

Padmanee Sharma, MD, PhD

MD ANDERSON CANCER CENTER

Dendreon - *Consulting receiving Consulting fee*

BMS - *Consulting receiving Consulting fee*

Jounce - *Consulting receiving Consulting fee and Ownership interest*

Helsinn - *Consulting receiving Consulting fee*

MedImmune - *Consulting receiving Consulting fee*

Richard J. Smith, MD

UNIVERSITY OF IOWA

There are no relationships to disclose.

Ludvig M. Sollid

UNIVERSITY OF OSLO

Regeneron - *Consulting receiving Consulting fee*

ImmunsanT - *Membership on advisory committee or review committee receiving Honoraria*

Alvine Pharmaceuticals - *Membership on advisory committee or review committee receiving Honoraria*

Michael A. Spinner

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES, NATIONAL INSTITUTES OF HEALTH

There are no relationships to disclose.

Warren Strober, MD

NIAID/NIH

There are no relationships to disclose.

Kathleen E. Sullivan, MD, PhD

CHILDREN'S HOSPITAL OF PHILADELPHIA

There are no relationships to disclose.

Matthias G. von Herrath, MD

LA JOLLA INSTITUTE ALLERGY AND IMMUNOLOGY/
NOVONORDISK DIABETES R&D CENTER

NovoNordisk Diabetes R&D Center - *Employment-Management position receives Salary*

Troy R. Torgerson, MD, PhD

UNIVERSITY OF WASHINGTON

Baxter Biosciences - *Membership on advisory board receiving consulting fees; Grant Recipient receiving Research Grant*

CSL Behring - *Grant Recipient receiving Research Grant*

Duane Wesemann, MD, PhD

BRIGHAM AND WOMEN'S HOSPITAL

There are no relationships to disclose.

Bruce L. Zuraw, MD

UNIVERSITY OF CALIFORNIA SAN DIEGO

Shire - *Grant Recipient receives Research Grant*

Dyax - *Consulting receives consulting fee; Speaking and Teaching receives Honoraria*

CSL Behring - *Consulting receives consulting fee*

BioCryst - *Consulting receives consulting fee*

Isis - *Consulting receives consulting fee*

Sanofi Aventis - *Consulting receives consulting fee*

Novartis - *Consulting receives consulting fee*

Genzyme - *Consulting receives consulting fee*

MIAMI VISITOR INFORMATION

NEIGHBORHOODS

Miami's cultural diversity is apparent from the moment you set foot on its soil and hear the rise and fall of a dozen different languages being spoken. It is an easygoing beach town, a refugee camp, and a 24-hour party all at once.

MIAMI BEACH

When talking about Miami, the beach is the best place to start. In the 1940s, when vacationers began to arrive, Miami Beach was the center of the action. Although years have passed and times have changed, the beach remains a perennial hot spot. Enormous luxury resorts such as Fontainebleau and Eden Roc rise majestically against the skyline. Shops and restaurants line the streets, and who could forget the miles of white sand beach?

SOUTH BEACH

Once home to a number of retired citizens and starving artists, South Beach has now risen to international fame as a popular vacation destination. Every block is packed with restaurants, bars, shops, and - of course - dance clubs, each trendier, more glamorous and cutting-edge than the last. One could spend days soaking in the sights and sounds of South Beach. Take a walking tour along Ocean Drive or down Lincoln Road, where the beautiful people come out to play. Whether it's three in the morning or three in the afternoon, there is bound to be plenty to do.

BAL HARBOUR

Located on the northern end of Miami Beach, Bal Harbour is the most exclusive neighborhood in Greater Miami. Luxury resorts sit serenely amid the lush foliage and palatial homes. No visit to this district is complete — or even begun — without a visit to the Bal Harbour Shops. Versace, Louis Vuitton, Fendi and Prada are just a few of the fashion houses that have retail outlets in this shopping center. Plenty of fine dining can be found in Bal Harbour. (If you're on a budget, this isn't the place to dine or shop!)

DOWNTOWN MIAMI

Although primarily a business district, there's a lot to see and do downtown. Tour the design district between Northeast 36th and 41st Streets, or check out the museums in the Metro-Dade Cultural Center. Shoppers will delight in the Bayside Marketplace with its retail shops, open-air crafts market, half-dozen restaurants and pier. The Port of Miami is next to Bayside, where you can easily find a boat to take you on a tour around the bay.

CORAL GABLES

Coral Gables is a gated enclave crisscrossed by canals, just a few minutes' drive from Downtown Miami. This small, tree-lined village is home to many of Miami's most famous attractions, including the Biltmore Hotel, Venetian Pool and Miracle Mile. Excellent shopping and dining can be found on the Miracle Mile as well as on the side streets surrounding it.

COCONUT GROVE

Although this bustling district is one of the oldest in Miami, it seems to just be hitting its prime. Full of energy and creativity, the Grove is as busy as South Beach, but in a different way. Instead of attracting models and body builders, it draws in artists, writers and patrons of the arts. There are hundreds of fabulous shops and restaurants crammed within this small area, most of them located on the CocoWalk or on the Streets of Mayfair. The Coconut Grove Playhouse is one of the best live theater venues in the southeastern United States.

LITTLE HAVANA

This area is located west of Brickell Avenue and runs along the thoroughfare known as Calle Ocho (Southwest 8th Street). Many immigrants and refugees from Cuba have settled here, along with natives of Colombia, Guatemala, Puerto Rico and other Latin American countries. It is in this district that you can enjoy authentic salsa music, indulge in a complete Cuban meal that's light on your wallet, or try a steaming cup of shockingly strong café cubano in an outdoor café.

NORTH MIAMI/AVENTURA

While it may be slightly out of the way, Aventura is easy to reach even without a car, thanks to the shuttle buses that run regularly from the major downtown hotels to the Aventura Mall. The mall is well worth a day trip, as it boasts over 250 shops, restaurants and attractions. This district is also home to dozens of excellent restaurants, many of them specializing in "Floribbean" cuisine.

GOLF COURSES

CRANDON GOLF KEY BISCAYNE (7 miles)

Phone: 1-305-361-9129

18 holes – Par for course: 72

Designed by Robert Von Hagge and Bruce Devlin

MIAMI BEACH GOLF CLUB (6.5 miles)

Phone: 1-305-532-3350

18 holes – Par for course: 72

Designed by Arthur Hills

BILTMORE GOLF CLUB (6 miles)

Phone: 1-305-460-5364

18 holes – Par for course: 71

Designed by Donald Ross

FAMILY & CHILDREN'S ACTIVITIES

JUNGLE ISLAND (3 miles)

Phone: 1-305-400-7000

Tropical paradise featuring exotic animals, vibrant botanical bird sanctuary & wildlife habitat.

Fee: 32.95 USD

MIAMI CHILDREN'S MUSEUM (2 miles)

Phone: 1-305-373-5437

Dedicated to enriching children's lives, with interactive exhibits & more.

Fee: 15.00 USD

MIAMI SEAQUARIUM (5 miles)

Phone: 1-305-361-5705

38-acre aquatic park featuring fantastic themed animal shows

Fee: 37.95 USD

METROZOO (20.5 miles)

Phone: 1-305-251-0400

Spend a day exploring this fascinating zoo with the family

Fee: 15.95 USD

MIAMI VISITOR INFORMATION

SHOPPING

AVENTURA MALL

19501 Biscayne Boulevard
Aventura, FL 33180
P: (305) 935-1110

Aventura Mall was voted Best Local Shopping Destination by the Miami Herald's "Hot List" and ranks as one of the top five highest grossing malls in the country in sales per square foot. The 2.8 million square-foot multi-level mall recently completed a \$22 million renovation featuring dramatic new architecture and distinctive design. Aventura Mall is also South Florida's #1 shopping destination among international visitors. Aventura Mall is home to Nordstrom, Bloomingdale's, Macy's, Macy's Men's Home Furniture, JCPenney and Sears, more than 280 stores and restaurants, a 24-screen movie theater, and an artist-designed interactive playground, Rainbow Valley.

BAL HARBOUR SHOPS

9700 Collins Avenue
Miami Beach, FL 33154
P: (305) 866-0311

The Bal Harbour Shops are known throughout Miami as the one-stop-shop for all things designer. At this shopping center shoppers will find everything from luxury department stores like Saks Fifth Avenue to individual designer boutiques like Chanel, Gucci, Hermes, Prada, Jimmy Choo and many more. The Bal Harbour Shops also have quite a few delicious restaurants scattered throughout so you can keep your strength up so you shop but don't drop.

BAYSIDE MARKETPLACE

401 Biscayne Boulevard, Suite R106
Miami, FL 33132
P: (305) 577-3344

To get the quintessential Miami experience, visit this lovely open-air market, where you can browse the artist's carts, sip an iced drink and stroll along the pier. More than 100 shops and 30 restaurants make this a wonderful place to shop. This is more than just a mall—it is a sweet slice of south Florida life. Located next to the American Airlines Arena and the Port of Miami, this is a great place to spend a few hours.

LINCOLN ROAD

Between 16th & 17th Street
Miami, FL 33139
P: (305) 531-3442

A stroll down the Lincoln Road is a must for all those visiting the South beach area. Traffic is not allowed on this Road that features some fabulous cinemas, bars, cafes, restaurants—you name it, it has it. It also houses the famous New World Symphony concert hall. Galleries that encourage budding artistes also adorn the Lincoln Road; just the perfect place for those looking for some retail therapy at a leisurely pace minus the traffic.

LOCAL TOUR SERVICES

BAYSIDE TOURS

Bayside Marketplace and Miami
P: (305) 374-6283
Everglades Adventure
P: 1-800-303-1503

GRAND MIAMI AIR TOUR

Miami's beautiful beaches and shoreline
P: 1-800-303-1503

MIAMI CITY TOUR AND BISCAYNE CRUISE

Miami city tour and cruise along Biscayne Bay
P: 1-800-303-1503

MILLIONAIRES ROW

Tour of Biscayne Bay's Millionaires Row
Island Queen Cruises
P: (305) 379-5119

VIZCAYA MUSEUM & GARDENS TOUR

P: 1-800-303-1503

DINING

THE CAPITAL GRILLE (0.4 miles)

P: (305) 374-4500
Steakhouse
Open for lunch and dinner
Luscious dry-aged steaks, hand-carved chops and fresh seafood grace the menu of this outstanding, upscale restaurant.

CHOP HOUSE MIAMI (0.1 miles)

P: (305) 938-9000
Steakhouse
Open for lunch and dinner
"A Destination for those who still share the secret pleasures of red meat, well-cut and seriously served." - New York Times

GRIMPA STEAKHOUSE (0.9 miles)

P: (305) 445-4757
Brazilian Steakhouse
Open for lunch and dinner

THE OCEANAIRE SEAFOOD ROOM (0.6 miles)

P: (305) 372-8862
Seafood
Open for lunch and dinner

GORDON BIERSCH BREWERY RESTAURANT (0.7 miles)

P: (786) 425-1130
American
Open for lunch and dinner
Casual restaurant, sports entertainment



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Through our continued focus on innovation, we develop new proteins of therapeutic benefit from plasma and new clinical indications for existing therapies, providing "Biotherapies for Life."

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GRIFOLS

2013 CIS ANNUAL MEETING SCHEDULE AT-A-GLANCE

	Met Ballroom Pre-function	Met Ballroom 1 - 4	Met Ballroom 5 - 7	Junior Ballroom AB	Junior Ballroom C	Gallery 4
WEDNESDAY, APRIL 24						
2:00pm - 7:00pm		Exhibitor Move-in				
4:00pm - 7:00pm						Speaker Ready Room
4:00pm - 7:00pm	Registration Open					
5:00pm - 7:00pm					CIS Council Meeting	
THURSDAY, APRIL 25						
6:00am - 11:30am		Exhibitor Move-in				
7:30am - 5:30pm						Speaker Ready Room
7:30am - 7:00pm	Registration Open					
7:30am - 9:00am	Breakfast					
8:00am - 5:30pm			Update in PID			
11:30am - 1:30pm		Exhibit Hall Open				
11:45am - 12:30pm		Update in PID Guided Poster Session				
12:30pm - 1:30pm		Lunch				
5:30pm - 7:30pm		Exhibit Hall Open				
5:30pm - 7:30pm		NIT/FIT Meet-&-Greet Reception				
FRIDAY, APRIL 26						
7:30am - 7:00pm						Speaker Ready Room
7:30am - 9:00am	Breakfast					
7:30am - 7:00pm	Registration Open					
8:00am - 9:00am			Tales From the Listserv			
9:15am - 11:15am			From Diagnostics to Genetics			
11:00am - 1:00pm		Exhibit / Poster Hall Open				
11:15am - 11:45am	Guided Poster Session					
11:45am - 12:45pm		Lunch				
11:45am - 12:45pm					CIS Membership Committee Meeting	
12:45pm - 2:45pm			Mucosal Immunology			
3:00pm - 4:15pm			Susceptibility to Fungal Infections			
4:30pm - 6:00pm			Tolerance in Autoimmunity			
6:00pm - 7:00pm			Fahey/Rose Founders Lecture			
7:00pm - 9:00pm		Exhibit Hall Open				
7:00pm - 9:00pm		CIS Past Presidents' Reception				

2013 CIS ANNUAL MEETING SCHEDULE AT-A-GLANCE

	Met Ballroom Pre-function	Met Ballroom 1 - 4	Met Ballroom 5 - 7	Junior Ballroom AB	Junior Ballroom A	Gallery 4
SATURDAY, APRIL 27						
7:30am - 5:45pm						Speaker Ready Room
7:30am - 9:00am	Breakfast					
7:30am - 6:00pm	Registration Open					
8:00am - 9:00am					CIS Communications Committee Meeting	
9:15am - 11:15am			Immunotherapy in Cancer			
11:15am - 11:45am			CIS Business Meeting			
11:30am - 1:30pm		Exhibit /Poster Hall Open				
11:45pm - 12:15pm		Guided Poster Session				
12:15pm - 1:15pm		Lunch				
1:15pm - 2:45pm			Translational Cutting-Edge Development in Complement	Updates in Gene Therapy for PID		
3:00pm - 5:15pm			Tolerance in Hypersensitivity			
5:15pm - 5:45pm			CIS Presidential Award Presentation			
5:45pm - 7:45pm		Exhibit/Poster Hall Open				
SUNDAY, APRIL 28						
7:30am - 11:45am						Speaker Ready Room
7:30am - 9:00am	Breakfast					
7:30am - 12:00pm	Registration Open					
8:00am - 5:00pm		Exhibit Hall Tear Down				
8:00am - 9:30am			HAE			
9:45am - 11:45am			Host Microbial Interactions / Pathogen Discovery			

SCHEDULE OF EVENTS

THURSDAY, APRIL 25

- 8:00am – 5:30pm **Update in Primary Immunodeficiency Diseases**
MET BALLROOM 5 - 7
-
- 5:30pm – 7:30pm **NIT/FIT Meet-and-Greet Reception**
MET BALLROOM 1 - 4
- The members of the CIS New-Immunologists-in-Training / Fellows-in-Training (NIT / FIT) Committee invite you to attend the NIT / FIT Reception on Thursday, April 25th from 5:30 – 7:30pm. This is an opportunity for Fellows and Trainees to network with their colleagues and senior faculty. Come and mingle with the future leaders in the field of immunology as you meet the committee members and discuss their professional and committee-related goals.*

FRIDAY, APRIL 26

- 8:00am – 9:00am **Tales from the Listserv**
MET BALLROOM 5 - 7
- Moderator:* Elie Haddad, MD, PhD *CHU Ste-Justine, University of Montreal*
- Speakers:* Asymptomatic Hypogammaglobulinemia
Joseph A. Church, MD *Children's Hospital of Los Angeles*
Warts and T Cell Lymphopenia
Charles H. Kirkpatrick, MD *University Colorado Health Science Center*
IPEX Question
Elena E. Perez, MD, PhD *University of Miami School of Medicine*
-
- 9:00am – 9:15am **Morning Break**
MET BALLROOM PRE-FUNCTION
-
- 9:15am – 11:15am **Plenary: From Diagnostics to Genetics**
MET BALLROOM 5 - 7
- Moderator:* Troy Torgerson, MD, PhD *University of Washington*
- Speakers:* Jean-Laurent Casanova, MD, PhD *The Rockefeller University*
Hal M. Hoffman, MD *University of California, San Diego*
Identifying tissue-specific and disease-related gene expression in the pathogenesis of T1D in mouse and man
C. Garrison Fathman, MD *Stanford University School of Medicine*
- Oral Abstracts:**
GATA2 Deficiency: Extended Clinical Phenotype in 57 Patients
Michael A. Spinner *NIAID, NIH*
Gene Dosage Effects of Interferon Receptors in the Chronic Mucocutaneous Candidiasis of Down Syndrome
Xiao-Fei Kong *The Rockefeller University*
-
- 11:15am – 11:45pm **Guided Poster Session #1**
MET BALLROOM 1 - 4
- Moderator:* Dr. Jack Routes
- POSTER #: 13**
2349: AN UNUSUAL PRESENTATION OF MONOMAC
Christina Gagliardo, *New York Presbyterian Hospital - Columbia University Medical Center*

POSTER #: 20

2330: THYMUS TRANSPLANTATION IN A THREE YEAR OLD CHILD WHO DID NOT DEVELOP SUFFICIENT NAÏVE CD4 T CELLS AFTER PARENTAL BONE MARROW STEM CELL TRANSPLANTATION
Elizabeth A. McCarthy, *Duke University Medical Center*

POSTER #: 60

2292: IMMUNE DYSFUNCTION WITH COENZYME Q10 DEFICIENCY IMPROVES AFTER COENZYME Q10 REPLACEMENT IN A FOUR YEAR-OLD CHILD WITH RECURRENT INFECTIONS
Samira Farough, *MassGeneral Hospital for Children*

POSTER #: 68

2376: CASE REPORT OF 2 PATIENTS WITH COMMON VARIABLE IMMUNODEFICIENCY (CVID) AND DEBILITATING CHRONIC URTICARIA/ANGIOEDEMA (CUA)
Solrun Melkorka Maggadottir, *Children's Hospital of Philadelphia*

POSTER #: 69

2416: IMMUNE DYSREGULATION, TELOMERE SHORTENING, AND LIVER DISEASE IN A PEDIATRIC PATIENT: A THERAPEUTIC DILEMMA
Timothy Lax, *Massachusetts General Hospital*

Moderator:

Dr. Tom Fleisher

POSTER #: 66

2396: ALLOGENEIC TRANSPLANTATION FOR X-LINKED HYPER IgM SYNDROME- A SINGLE INSTITUTION EXPERIENCE
Sharat Chandra, *Cincinnati Children's Hospital Medical Center*

POSTER #: 44

2398: PREDISPOSITION TO INFECTION AND SIRS IN OXIDATIVE PHOSPHORYLATION DISORDERS: 8 YEARS' EXPERIENCE IN A NEW ENGLAND COHORT FOLLOWED AT MASSACHUSETTS GENERAL HOSPITAL AND PARTNERS AFFILIATES
Melissa A. Walker, *MassGeneral Hospital for Children*

POSTER #: 23

2438: TACKLING THE HETEROGENEITY IN PATIENTS WITH CHRONIC MUCOCUTANEOUS CANDIDIASIS CAUSED BY MUTATIONS IN THE STAT1 DNA-BINDING DOMAIN
Heidi Schaballie, *University Hospitals Leuven*

POSTER #: 11

2419: A SUCCESSFUL PREGNANCY AND DELIVERY IN A PATIENT WITH ATAXIA-TELANGIECTASIA
Burcin Uygungil, *Johns Hopkins Hospital*

POSTER #: 6

2362: KINETICS OF IgM AND IgA ANTIBODY RESPONSE TO 23-VALENT PNEUMOCOCCAL POLYSACCHARIDE VACCINATION IN HEALTHY SUBJECTS
Antony Parker, *The Binding Site*

11:45pm – 12:45pm

Lunch / Poster Viewing / Exhibit Hall Open
MET BALLROOM 1 - 4

11:45am – 12:45pm

CIS Communications Committee Meeting
JUNIOR BALLROOM C

SCHEDULE OF EVENTS, CONTINUED

12:45pm – 2:45pm **Plenary: Mucosal Immunology**
MET BALLROOM 5 - 7

Moderator: Daniel Adelman, MD *University of California, San Francisco*

Speakers: Discovery and understanding of a new chronic food allergy Disorder: Eosinophilic Esophagitis
Marc E. Rothenberg, MD, PhD *Cincinnati Children's Hospital Medical Center*

Immunologic Insights into Inflammatory Bowel Diseases
Warren Strober, MD *NIAID, NIH*

Autoimmunity, Mucosal and Extra-Intestinal Inflammation in Celiac Disease
Ludvig Sollid, MD, PhD *Oslo University Hospital Rikshospitalet*

Oral Abstracts:
Gastrointestinal Manifestations in Autosomal Recessive Chronic Granulomatous Disease
Emilia L. Falcone, MD *NIH*

Development and Education of Early B Lineage Cells in the Gut Lamina Propria
Duane R. Wesemann, MD, PhD *Brigham and Women's Hospital*

2:45pm – 3:00pm **Afternoon Break**
MET BALLROOM PRE-FUNCTION

3:00pm – 4:15pm **Plenary: Susceptibility to Infections**
MET BALLROOM 5 - 7

Moderator: John M. Routes, MD *Medical College of Wisconsin*

Speakers: Jean-Laurent Casanova, MD, PhD *The Rockefeller University*
Steven M. Holland, MD *NIAID, NIH*

Oral Abstract:
Anti-Granulocyte-Macrophage Colony Stimulating Factor Autoantibodies in Patients with Cryptococcal Meningitis
Sarah K. Browne, MD *NIAID, NIH*

4:15pm – 4:30pm **Afternoon Break**
MET BALLROOM PRE-FUNCTION

4:30pm – 6:00pm **Plenary: Tolerance in Autoimmunity**
MET BALLROOM 5 - 7

Moderator: Robert Eisenberg, MD *University of Pennsylvania*

Speakers: Understanding Human Autoreactive B cells and Tolerance Checkpoints
Eric Meffre, PhD *Yale University*
Joshua D. Milner, MD *NIAID, NIH*

Immune Regulatory Function of B Lymphocytes
Claudia Mauri, PhD *University College London*

Oral Abstracts:
Non-Coding RNA Regulation of TNF Alpha
Kathleen E. Sullivan, MD, PhD *Children's Hospital of Philadelphia*

Cord Blood-Derived Mesenchymal Stromal Cells Down-Modulate CD4+ T-Cell Activation by Inducing IL-10 Producing TH1 Cells
Silvia Selleri *CHU Sainte-Justine*

6:00pm – 7:00pm **The CIS Fahey/Rose Founders Lecture**

Moderator: Lawrence Schwartz, MD, PhD

Speaker: Jeffrey V. Ravetch, MD, PhD *The Rockefeller University*

7:00pm – 9:00pm **CIS Past Presidents Reception**

SATURDAY, APRIL 27

9:15am – 11:15am **Plenary: Immunotherapy in Cancer**
MET BALLROOM 5 - 7

Moderator: Padmanee Sharma, MD, PhD *M.D. Anderson Cancer Center*

Speakers: Carl June, MD *University of Pennsylvania*
Padmanee Sharma, MD, PhD *M.D. Anderson Cancer Center*
James L. Gulley, MD, PhD *National Cancer Institute*

Oral Abstract:
CD39 is Highly Involved in Mediating the Suppression Activity of Tumor Infiltrating CD8+ T Regulatory Lymphocytes
MTECS-Induced Apoptosis of Melanoma-Specific CD8+ T Lymphocytes is Regulated by AIRE Polymorphisms
Gilberto Filaci, MD *University of Genoa*

11:15am – 11:45am **CIS Business Meeting**
MET BALLROOM 5 - 7

11:45am – 12:15pm **Guided Poster Session #2**
MET BALLROOM 1 - 4

Moderator: Dr. Larry Schwartz

POSTER #: 4
2363: DEFECTS IN IL-12 / IFN- γ AXIS: A NEW PERSPECTIVE ON DEVELOPMENT AND ESTABLISHMENT OF WHEEZING
Angela Falcai, *University of São Paulo*

POSTER #: 18
2325: MULTIPLE GENE EXPRESSION ANALYSIS IN CD4, CD8 AND CD19 SUBSETS FOR PATIENTS AT-RISK AND WITH TYPE 1 DIABETES
Dongmei Han, *University of Miami Miller School of Medicine*

POSTER #: 21
2255: IDENTIFICATION AND VALIDATION OF SHRIMP-TROPOMYOSIN CD4 T CELL EPITOPES
Eugene V. Ravkov, *ARUP Institute for Clinical and Experimental Pathology*

POSTER #: 59
2435: HARMONIN AUTOANTIBODIES MEASURED BY LIPS AS SPECIFIC MARKERS FOR THE DIFFERENTIAL DIAGNOSIS OF IPEX AND IPEX-LIKE SYNDROMES
Rosa Bacchetta, *San Raffaele Telethon Institute for Gene Therapy (HSR-TIGET), Milan, Italy*

POSTER #: 72
2380: PREDICTION OF EARLY/IMMEDIATE AND LONG-TERM OUTCOME FOLLOWING RENAL TRANSPLANTATION USING PERIOPERATIVE MEASUREMENTS OF SELECTED LEVELS OF COMPLEMENT-DERIVED ANAPHYLATOXINS AND MOLECULES
Wojciech Blogowski, *Pomeranian Medical University in Szczecin*

SCHEDULE OF EVENTS, CONTINUED

Moderator: Dr. Matthias von Herrath

POSTER #: 43
2430: NOVEL GAIN OF FUNCTION MUTATION IN STAT1 ASSOCIATED WITH DISSEMINATED ZYGOMYCOSIS
Mary E. Hanks, *LCID/NIH*

POSTER #: 34
2275: AN ATYPICAL CASE OF MHCII EXPRESSION DEFICENCY TREATED WITH BONE MARROW TRANSPLANT
Joud Hajjar, *Virginia Commonwealth University*

POSTER #: 27
2456: AUTOLOGOUS TGF- β IS REQUIRED FOR FOXP3 INDUCTION, IL-10 EXPRESSION, AND SUPPRESSIVE FUNCTION OF HUMAN TR1 CELLS
James W. Verbsky, *Medical College of Wisconsin*

POSTER #: 25
2332: SERUM INTERLEUKIN-18 AS A POTENTIAL PREDICTOR OF RESPONSE TO INTERFERON/ RIBAVIRIN THERAPY IN HCV-INFECTED EGYPTIAN PATIENTS
Howayda M. Hassoba, *FOM/SCU*

POSTER #: 10
2395: PRIMARY CILIARY DYSKINESIA (PCD) WITH NORMAL CILIARY STRUCTURE ON ELECTRON MICROSCOPY (EM) AND ASSOCIATED GENE MUTATIONS
Bob Geng, *UCLA Medical Center*

12:15pm – 1:15pm **Lunch / Poster Viewing / Exhibit Hall Open**
MET BALLROOM 1 - 4

1:15pm – 2:45pm **Concurrent Workshops**

Session 1: Translational Cutting-Edge Developments in Complement
MET BALLROOM 5 - 7

Moderator: John P. Atkinson, MD *Washington University School of Medicine*

Speakers: Charles Parker, MD *University of Utah School of Medicine*
Atypical hemolytic uremic syndrome and age-related macular degeneration: too much complement at the beginning and end of life
John P. Atkinson, MD *Washington University School of Medicine*
aHUS and C3Gs – 2013 State of the Art
Richard J. Smith, MD *University of Iowa*

Session 2: Updates in Gene Therapy for PID
JUNIOR BALLROOM AB

Moderator: Donald Kohn, MD *UCLA*

Speakers: Gene Therapy for SCID
Fabio Candotti, MD *NHGRI, NIH*
Gene Therapy for CGD
Harry Malech, MD *NIAID, NIH*
Gene Therapy for WAS & XLA
David Rawlings, MD *Seattle Children's Hospital*

Oral Abstracts:
Targeted Gene Therapy in the Treatment of X-Linked Hyper IgM Syndrome
Caroline Y. Kuo *David Geffen School of Medicine at UCLA*
FOXP3 Gene Transfer Converts FOXP3-Mutated Effector T Cells into Regulatory T Cells: Towards Gene Therapy for IPEX Syndrome
Rosa Bacchetta, MD *San Raffaele Telethon Institute for Gene Therapy (HSR-TIGET)*

2:45pm – 3:00pm **Afternoon Break**
MET BALLROOM PRE-FUNCTION

3:00pm – 5:15pm **Plenary: Tolerance in Hypersensitivity**
MET BALLROOM 5 - 7

Moderator: Lawrence Schwartz, MD, PhD *Virginia Commonwealth University*

Speakers: Mark Larché, MD *McMaster University*
Lawrence Schwartz, MD, PhD *Virginia Commonwealth University*
Immunologic Tolerance in Food Allergy
Matthias von Herrath, MD *La Jolla Institute Allergy and Immunology*
A. Wesley Burks, MD *UNC - Chapel Hill Children's Hospital*

Oral Abstracts:
The Role of Eosinophils in Autoimmune Disease
Noel R. Rose, MD, PhD *Johns Hopkins University*

5:15pm – 5:45pm **Presidential Award Presentation**
MET BALLROOM 5 - 7

Speaker: Rebecca Buckley, MD *Duke University Medical Center*

5:45pm – 7:45pm **Reception**
MET BALLROOM 1 - 4

SUNDAY, APRIL 28

8:00am – 9:30am **HAE**
MET BALLROOM 5 - 7

Moderator: Kathleen E. Sullivan, MD, PhD *Children's Hospital of Philadelphia*

Speakers: Marc Riedl, MD *UCLA David Geffen School of Medicine*
Bruce L. Zuraw, MD *University of California San Diego*
Michael M. Frank, MD *Duke University Medical Center*

9:30am – 9:45am **Morning Break**
MET BALLROOM PRE-FUNCTION

9:45am – 11:45am **Plenary: Host Microbial Interactions / Pathogen Discovery**
MET BALLROOM 5 - 7

Moderator: Steven M. Holland, MD *NIAID, NIH*

Speakers: Eric Pamer *Memorial Sloan Kettering*
B. Brett Finlay *The University of British Columbia*
Ian Lipkin, MD *Columbia University*

EXHIBIT HALL FLOOR PLAN

		Axelacare 311		CSL Behring 307	
Georgetown University Immunology Center 314		BioRx 312	ViroPharma, Inc. 310	Medical College of Wisconsin 308	Grifols 207
		World Allergy Organization 213	Biotest 211	Vidara Therapeutics 209	
		Bio Products Laboratory 212		The Binding Site 210	GeneDx 208
		Accredo Health Group, Inc. 113	CIS 111	Walgreens 109	Baxter 201

Booth #: 109

WALGREENS SPECIALTY INFUSION

Walgreens Infusion Services is the nation's largest provider of home and alternate treatment site infusion services. With a staff of more than 1,400 clinicians and over 70 infusion pharmacies nationally, Walgreens Infusion Services IG Program treats patients with a wide range of conditions requiring IG therapy. IG trained clinicians and insurance experts are available to support you and your patients 24 hours a day every day. Last year Crescent Healthcare joined the Walgreens team, bringing together two clinical leaders in home and alternate site IG services.

Booth #: 111

CLINICAL IMMUNOLOGY SOCIETY

(414) 224-8095
www.clinimmsoc.org

The Clinical Immunology Society (CIS), established in 1986, is the key interdisciplinary organization for the field of clinical immunology and is devoted to fostering developments in the science and practice of clinical immunology. CIS is an international professional organization which includes more than 600 clinicians, investigators, and trainees. The mission of CIS is to facilitate education, translational research and novel approaches to therapy in clinical immunology to promote excellence in the care of patients with immunologic/inflammatory disorders.

Booth #: 113

ACCREDO HEALTH GROUP, INC.

Accredo Health Group, Inc., is a recognized leader in the specialty pharmacy industry, providing targeted therapy support to patients with rare and complex conditions for over 25 years. Accredo is one of the largest specialty pharmacy providers in the United States.

Booth #: 201

BAXTER BIOSCIENCE

Baxter provides purified plasma treatments containing antibodies called immunoglobulins that help Primary Immune Deficiency patients fight off infection. Immunoglobulins are also indicated to treat a number of conditions including Kawasaki Syndrome, Chronic Lymphocytic Leukemia (CLL) and Idiopathic Thrombocytopenic Purpura (ITP).

Booth #: 207

GRIFOLS

Grifols is a global healthcare company whose mission is to improve the health and well-being of people around the world. We have three primary divisions – Bioscience, Diagnostic and Hospital – that develop, produce and market our innovative products and services to medical professionals in more than 100 countries around the world.

EXHIBITORS

Booth #: 208

GENEDX

GeneDx was founded in 2000 by two scientists from the National Institutes of Health (NIH) to address the needs of patients and clinicians in diagnosing rare inherited disorders. Currently, GeneDx offers testing for more than 350 rare Mendelian disorders, whole exome sequencing, oligonucleotide microarray-based testing for detecting chromosomal abnormalities, and next-gen panels for inherited cardiac disorders, neurological disorders, metabolic disorders, eye disorders, immunological disorders and mitochondrial disorders. Our highly trained and experienced physicians, geneticists, and genetic counselors work as a team to bring gene discoveries to clinical medicine for use in direct patient care. For more information, visit www.GeneDx.com or contact GeneDx@GeneDx.com.

Booth #: 209

VIDARA THERAPEUTICS, INC.

ACTIMMUNE® (interferon gamma-1b), a biologic response modifier, is a sterile, clear, colorless solution filled in a single-use vial for subcutaneous injection. ACTIMMUNE® is indicated for reducing the frequency and severity of serious infections associated with Chronic Granulomatous Disease (CGD). CGD is an inherited disorder of leukocyte function caused by defects in the enzyme complex responsible for phagocyte superoxide generation. ACTIMMUNE® is also indicated for delaying time to disease progression in patients with Severe, Malignant Osteopetrosis. Severe, Malignant Osteopetrosis is an inherited disorder characterized by an osteoclast defect, leading to bone overgrowth, and deficient phagocyte oxidative metabolism.

Booth #: 210

THE BINDING SITE

Binding Site is committed to the improvement of patient care by developing special protein assays and automated systems of the highest quality. Freelite®, developed and provided exclusively by Binding Site, is part of the standard-of-care for Myeloma diagnosis. We are also the market leaders for the investigation of immunoglobulin subclasses; our extensive portfolio includes assays for complement activity, optimized for the SPAPLUS, our flexible, reliable analyzer to meet any laboratory's changing needs. With our extensive development expertise, patented antibody production and focus on education, we provide healthcare professionals with relevant tools to optimize workflow and improve patients' lives.

Booth #: 211

BIOTEST

Biotest Pharmaceuticals Corporation (BPC) researches and manufactures biotherapeutic products with a specialization in immunology and hematology. BPC is a leader in the collection of source plasma and is currently involved in the development of plasma protein products in the field of Primary Immune Deficiency (PID) and various hyperimmune (IG) products which are antibody specific to high titer for treatment of modality.

Booth #: 212

BIO PRODUCTS LABORATORY

Bio Products Laboratory services the U S market with Gammaplex Immune Globulin Intravenous (Human), 5% liquid. BPL's Mission is to provide continuous and competitive supply of high quality plasma delivered products to a growing global market through investing in the latest research, technology and manufacturing methods and by ensuring ongoing and responsive support to health professionals throughout the world.

Booth #: 213

WORLD ALLERGY ORGANIZATION

The World Allergy Organization (WAO) is an international umbrella organization whose members consist of 89 regional and national allergology and clinical immunology societies from around the world. By collaborating with member societies, WAO is a global resource and advocate in the field of allergy, advancing excellence in clinical care through education, research and training as a worldwide alliance of allergy and clinical immunology societies in nearly 100 countries around the globe. Visit our booth to learn more about the WAO Symposium on Immunotherapy and Biologics to be held 13-14 December 2013 in Chicago, IL, USA. The Symposium is the first global meeting of its kind and will welcome basic and translational scientists, clinical immunologists, allergists and researchers interested in exploring the exciting field of Immunotherapy and Biologics.

Booth #: 307

CSL BEHRING

CSL Behring is a global leader in plasma protein therapeutics. The company manufactures safe and effective plasma-derived and recombinant therapies for treating coagulation disorders, primary immune deficiencies, hereditary angioedema and inherited respiratory disease, and for use in cardiac surgery, organ transplantation, burn treatment and to prevent hemolytic disease of the newborn. CSL Behring is a subsidiary of CSL Limited, a biopharmaceutical company with headquarters in Melbourne, Australia. For more information: www.cslbehring-us.com.

Booth #: 308

MEDICAL COLLEGE OF WISCONSIN

The Clinical Immunodiagnostic & Research Laboratory (CIRL) at MCW offers diagnostic flow cytometry for Primary Immunodeficiency (PID) diseases. CIRL and CHW's PID Clinics function as Jeffrey Modell Diagnostic & Patient Referral Center in Wisconsin since 2007. IDC is first in USA to pioneer statewide newborn screening for Severe Combined Immunodeficiency.

Booth #: 310

VIROPHARMA, INC.

Our product **CINRYZE® (C1 Esterase Inhibitor [Human])** is indicated for routine prophylaxis against angioedema attacks in adolescent and adult patients with Hereditary Angioedema (HAE), a rare and potentially life threatening genetic inflammatory disorder.

Booth #: 311

AXELACARE

AxelaCare specializes in the administration of Immune Globulin IVIG and other infusible medications. We provide medications, treatment management, insurance support, home infusion nursing and advocacy services for patients with rare and chronic disease. Our proprietary clinical outcomes measurement system uses our infusion nurses and patients to enter physical assessments, quality of life, and disability/activities of daily living data into iPads. Validated data is collected and presented in simple graphical display via secure web access to clinicians to determine optimal care based on dose versus time and collected outcomes. Our mission is to empower people in the pursuit and delivery of exceptional patient care.

EXHIBITORS

Booth #: 312

BIORX

BioRx is a national provider and distributor of select specialty pharmaceuticals, related supplies, and clinical, reimbursement and in-home support services. BioRx specializes in the following disease/therapy areas: 1) hemophilia and related bleeding disorders, including the provision of anti-hemophilic clotting factors and highly customized support services, 2) immunology therapy (IVig and SCig), including related pumps, supplies and nursing services, 3) augmentation therapy for alpha-1 antitrypsin deficiency, 4) infusion and self-injection therapies for hereditary angioedema, and 5) enteral and parenteral infusion therapies for nutrition and digestive disorders.

Booth #: 314

GEORGETOWN UNIVERSITY IMMUNOLOGY CENTER

Bellanti's long-awaited ***Immunology IV: Clinical Applications in Health and Disease*** is a completely rewritten 2012 edition of his classic textbook. The book brings the science of immunology to clinical practice. Each chapter is written by a noted authority who contributes state-of-the-art knowledge on each particular topic in a 1000+ page volume containing 25 chapters, over 800 vivid colored figures accompanied by an online multilevel teaching format with animations/hyperlinks, clinical case studies with interactive Q & A and continual clinically relevant updates. Come visit us in the Exhibit hall, Booth 314, for a book signing.

You Have the Clues, But Do You Have the Right Tools?

Binding Site offers diagnostic tests for the quantification of immunoglobulins, subclasses for IgG and IgA, and complement activity.

For more information visit:
www.thebindingsite.com



The Specialist Protein Company

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Site

POSTER LISTING

Poster #	ID	Title	Keywords	Presenting Author
1	2421	EFFECT OF LYSOFYLLINE ON THE IMMUNE RESPONSE IN ISLET TRANSPLANT PATIENTS	Autoimmunity; Transplant Immunology	Ana Hernandez, <i>University of Miami Miller School of Medicine</i>
2	2367	PRIMARY IMMUNODEFICIENCIES WITH DYSREGULATION	PID	Analía Gisela Seminario, <i>Ricardo Gutiérrez Children xs Hospital</i>
3	2368	FOLLICULAR BRONCHIOLITIS AND PHENOTYPE ASSOCIATED WITH CD 25 DEFICIENCY	PID	Analía Gisela Seminario, <i>Ricardo Gutiérrez Children xs Hospital</i>
4	2363	DEFECTS IN IL-12 / IFN- γ AXIS: A NEW PERSPECTIVE ON DEVELOPMENT AND ESTABLISHMENT OF WHEEZING	Immediate Hypersensitivity	Angela Falcai, <i>University of São Paulo</i>
5	2315	THE SPECTRUM OF GUILLAIN-BARRE SYNDROME (GBS) IN PEDIATRICS – OVERLAP OF MILLER-FISHER (MFS), MOTOR-SENSORY (MS), AND AUTONOMIC (A) VARIANTS	Host Microbial Interactions/ Pathogen Discovery; Autoimmunity	Annick Gaye, <i>Catholic University of Louvain, Belgium</i>
6	2362	KINETICS OF IgM AND IgA ANTIBODY RESPONSE TO 23-VALENT PNEUMOCOCCAL POLYSACCHARIDE VACCINATION IN HEALTHY SUBJECTS	PID	Antony Parker
7	2415	MOLECULAR AND STRUCTURAL CHARACTERIZATION OF A NOVEL MUTATION IN BRUTON TYROSINE KINASE	PID	Artemio M Jongco, <i>Feinstein Institute of Medical Research</i>
8	2433	NORMAL B-CELL FUNCTION WITHOUT B-CELLS: AN UNRESOLVED PUZZLE	PID	Blas Javier Larrauri, <i>British Hospital of Buenos Aires</i>
9	2310	STRONGYLOIDES INFECTION OF IGA DEFICIENT HOST IN NON-ENDEMIC REGION	Host Microbial Interactions/ Pathogen Discovery; Mucosal Immunology	Bob Geng, <i>UCLA Medical Center</i>
10	2395	PRIMARY CILIARY DYSKINESIA (PCD) WITH NORMAL CILIARY STRUCTURE ON ELECTRON MICROSCOPY (EM) AND ASSOCIATED GENE MUTATIONS	Genetics	Bob Geng, <i>UCLA Medical Center</i>
11	2419	A SUCCESSFUL PREGNANCY AND DELIVERY IN A PATIENT WITH ATAXIA-TELANGIECTASIA	PID	Burcin Uygungil, <i>Johns Hopkins Hospital</i>
12	2432	UNMASKING IMMUNE DEFICIENCY IN AUTOIMMUNITY	Autoimmunity; PID	Christina C Price, <i>Yale University School of Medicine</i>
13	2349	AN UNUSUAL PRESENTATION OF MONOMAC	PID; Genetics	Christina Gagliardo, <i>New York Presbyterian Hospital - Columbia University Medical Center</i>
14	2231	SECONDARY HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS (HLH) FROM A BROWN RECLUSE SPIDER BITE	PID	Christopher Dandoy, <i>Cincinnati Children's Hospital Medical Center</i>
15	2446	FREQUENCY OF LYMPHOMAS IN A COHORT OF PATIENTS WITH COMMON VARIABLE IMMUNODEFICIENCY	PID	CM Kokron, <i>University of São Paulo School of Medicine</i>
16	2455	CASE REPORT: LEPROSY ASSOCIATED TO COMMON VARIABLE IMMUNODEFICIENCY	PID	CM Kokron, <i>University of São Paulo School of Medicine</i>
17	2437	ATYPICAL SCID WITH CD4 LYMPHOPENIA, HYPERGAMMAGLOBULINEMIA, AND NEUTROPENIA PRESENTING WITH DISSEMINATED VACCINE-STRAIN VARICELLA AND RUBELLA INFECTIONS	Host Microbial Interactions/ Pathogen Discovery; PID	Diana K. Bayer, <i>Baylor College of Medicine and Texas Children's Hospital</i>
18	2325	MULTIPLE GENE EXPRESSION ANALYSIS IN CD4, CD8 AND CD19 SUBSETS FOR PATIENTS AT-RISK AND WITH TYPE 1 DIABETES	Autoimmunity	Dongmei Han, <i>University of Miami Miller School of Medicine</i>
19	2392	TIMELY FOLLOW-UP OF A GATA2 DEFICIENCY PATIENT AS PREDICTOR OF SUCCESSFUL TREATMENT	Transplant Immunology	Eleonora Gambineri, <i>Anna Meyer Children's Hospital, Department of Sciences for Woman and Child's Health, University of Florence</i>
20	2330	THYMUS TRANSPLANTATION IN A THREE YEAR OLD CHILD WHO DID NOT DEVELOP SUFFICIENT NAÏVE CD4 T CELLS AFTER PARENTAL BONE MARROW STEM CELL TRANSPLANTATION	Transplant Immunology; PID	Elizabeth A. McCarthy, <i>Duke University Medical Center</i>
21	2255	IDENTIFICATION AND VALIDATION OF SHRIMP-TROPOMYOSIN CD4 T CELL EPITOPES	Immediate Hypersensitivity	Eugene V. Ravkov, <i>ARUP Institute for Clinical and Experimental Pathology</i>
22	2342	SEVERE COMBINED IMMUNODEFICIENCY DUE TO ADENOSINE DEAMINASE DEFICIENCY: EVIDENCE FROM THREE CASE REPORTS	PID	Ferah Genel, <i>Dr.Behçet Uz Children's Hospital</i>

POSTER LISTING, CONTINUED

Poster #	ID	Title	Keywords	Presenting Author
23	2438	TACKLING THE HETEROGENEITY IN PATIENTS WITH CHRONIC MUCOCUTANEOUS CANDIDIASIS CAUSED BY MUTATIONS IN THE STAT1 DNA-BINDING DOMAIN	PID; Genetics	Heidi Schaballie
24	2418	STRUCTURAL FEATURES OF THE PEYER'S PATCHES OF THE SMALL INTESTINE UNDER THE INFLUENCE OF CYCLOPHOSPHAMIDE	Mucosal Immunology	Helen Morozova
25	2332	SERUM INTERLEUKIN-18 AS A POTENTIAL PREDICTOR OF RESPONSE TO INTERFERON/ RIBAVIRIN THERAPY IN HCV-INFECTED EGYPTIAN PATIENTS	Host Microbial Interactions/ Pathogen Discovery	Howayda M Hassoba, <i>FOM/SCU</i>
26	2357	DOUBLE NEGATIVE T CELLS IN PEDIATRIC AUTOIMMUNITY	Autoimmunity	James A. Tarbox, <i>Washington University in St. Louis</i>
27	2456	AUTOLOGOUS TGF- β IS REQUIRED FOR FOXP3 INDUCTION, IL-10 EXPRESSION, AND SUPPRESSIVE FUNCTION OF HUMAN TR1 CELLS	Autoimmunity	James W. Verbsky, <i>Medical College of Wisconsin</i>
28	2389	SERUM IMMUNOGLOBULIN LEVELS ARE ASSOCIATED WITH HEALTH-RELATED QUALITY OF LIFE IN HUMORAL PRIMARY IMMUNODEFICIENCIES	PID	Jason Catanzaro, <i>Case Western Reserve University</i>
29	2269	ATOPIC DERMATITIS: MORE THAN ONE TREATMENT (A BRIEF CASE)	Genetics	Jennifer Harder, <i>IMUNOPED</i>
30	2442	SPOROTHRIX SCHENCKII LYMPHADENITIS IN A BOY WITH X-LINKED CHRONIC GRANULOMATOUS DISEASE	PID	Jennifer Leiding, <i>University of South Florida</i>
31	2246	AN UNCOMMON PRESENTATION OF COMMON VARIABLE IMMUNODEFICIENCY	PID	Jerome A Sigua, <i>Medical College of Wisconsin</i>
32	2366	TGF β REGULATES Pin1 STABILITY IN UBIQUITIN DEPENDENT MANNER	Mucosal Immunology	Jiyoung OH, <i>University of Texas Southwestern Medical Center</i>
33	2450	LUPUS PATIENT WITH IMPAIRED RECEPTOR EDITING HAS HETEROZYGOUS RAG2 MUTATION	Autoimmunity; PID	Jolan Walter, <i>MassGeneral Hospital for Children</i>
34	2275	AN ATYPICAL CASE OF MHCII EXPRESSION DEFICNECY TREATED WITH BONE MARROW TRANSPLANT	Transplant Immunology	Joud Hajjar
35	2354	NEWLY DIAGNOSED COVID IN A PATIENT FOLLOWING TREATMENT FOR OSTEOSARCOMA	PID	Kara Crosby
36	2439	SCIg VS IVIG: LET'S GIVE PATIENTS THE CHOICE!	PID	Kathryn Samaan
37	2434	THE ROLE OF PERFLUOROCTANE SULFONATE (PFOS) AS A POTENTIAL ENVIRONMENTAL TRIGGER OF SYSTEMIC LUPUS ERYTHEMATOSUS (SLE) IN AN IN UTERO MOUSE STUDY	Autoimmunity	Kristin Midgett, <i>Medical University of South Carolina</i>
38	2345	SAFETY, TOLERABILITY AND PHARMACOKINETICS (PK) OF HUMAN IMMUNE GLOBULIN SUBCUTANEOUS (IGSC), 20%: INTERIM ANALYSIS OF A PHASE 2/3 STUDY IN PATIENTS WITH PRIMARY IMMUNODEFICIENCIES (PI)	PID	Leman Yel
39	2272	EFFECT OF XINKANG CAPSULE ON MCP-1, VCAM-1, TNF- α EXPRESSION, NF-KB ACTIVATION IN VASCULAR SMOOTH MUSCLE OF RABBITS INDUCED BY HOMOCYSTEINE	Host Microbial Interactions/ Pathogen Discovery	Liang Xuguo
40	2253	DEVELOPMENT OF NOVEL MOUSE MODELS OF AUTOIMMUNE DISEASE AND FIBROSIS	Autoimmunity; Genetics	Madhumita Ray
41	2411	ADULT-ONSET NATURAL KILLER (NK) CELL DEFICIENCY MANIFESTING AS RECURRENT HUMAN PAPILLOMA VIRUS (HPV) LARYNGEAL PAPILOMATOSIS	PID	Maria Angelica Barcena, <i>University Hospitals of Cleveland Case Western Reserve University</i>
42	2305	ESTABLISHMENT OF NEWBORN SCREENING FOR SCID / SEVERE T LYMPHOCYTOPENIA IN SÃO PAULO	PID	Marilia Kanegae, <i>Institute of Biomedical Sciences</i>
43	2430	NOVEL GAIN OF FUNCTION MUTATION IN STAT1 ASSOCIATED WITH DISSEMINATED ZYGOMYCOSIS	Genetics	Mary E Hanks
44	2398	PREDISPOSITION TO INFECTION AND SIRS IN OXIDATIVE PHOSPHORYLATION DISORDERS: 8 YEARS' EXPERIENCE IN A NEW ENGLAND COHORT FOLLOWED AT MASSACHUSETTS GENERAL HOSPITAL AND PARTNERS AFFILIATES	PID	Melissa A Walker, <i>MassGeneral Hospital for Children</i>
45	2429	DOCK8 IS REQUIRED FOR ACTIN ACCUMULATION AT THE NK CELL LYTIC SYNAPSE AND NK CELL CYTOTOXIC FUNCTION	PID	Melissa Mizesko, <i>Baylor College of Medicine</i>

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Poster #	ID	Title	Keywords	Presenting Author
46	2311	US IMMUNOLOGISTS PRESCRIBE THE SAME DOSES OF SCIG AND IVIG FOR TREATMENT OF PID	PID	Melvin Berger, <i>CSL Behring LLC, King of Prussia, PA, USA</i>
47	2270	PROINFLAMMATORY CYTOKINE GENE POLYMORPHISMS IN PATIENTS WITH ISCHEMIC HEART FAILURE	Genetics	Mona Hedayat, <i>Boston Children's Hospital, Harvard Medical School</i>
48	2377	A CASE OF RECURRENT MUCOCUTANEOUS CANDIDIASIS	PID	Nikita Raje, <i>Children's Mercy Hospital & Clinics</i>
49	2426	DECREASED PROTEIN EXPRESSION OF NADPH OXIDASE RELATED TO MUTATION OF THE GENE ENCODING p47phox OF A GIRL WITH AUTOSOMAL CHRONIC GRANULOMATOUS DISEASE	PID	Nuria Bengala Zurro, <i>Institute of biomedical Sciences</i>
50	2383	CLINICAL CHARACTERISTICS OF INFANTS IDENTIFIED BY THE CONNECTICUT NEWBORN SCREEN FOR SEVERE COMBINED IMMUNE DEFICIENCY	PID	Odelya E Pagovich, <i>Yale University School of Medicine</i>
51	2280	COMMON VARIABLE IMMUNODEFICIENCY OR RITUXIMAB ADVERSE REACTION?	Autoimmunity; PID	Patricia Roessler,
52	2409	IMPROVED IgG3 LEVELS DURING SUBCUTANEOUS IMMUNOGLOBULIN THERAPY CORRELATED WITH REDUCED INFECTION RATE IN A WOMAN WITH COMMON VARIABLE IMMUNE DEFICIENCY	Complement and C1inh	Ralph Scott Shapiro, <i>Midwest Immunology Clinic</i>
53	2447	USE OF A 20% SUBCUTANEOUS IMMUNOGLOBULIN SOLUTION (HIZENTRA,®) ALLOWS FOR LOWER TOTAL DOSING VOLUMES AND FEWER TREATMENT DAYS PER WEEK COMPARED TO A 16% SUBCUTANEOUS SOLUTION	PID	Ralph Scott Shapiro, <i>Midwest Immunology Clinic</i>
54	2370	ASSESSING THE VIAL REDUCTION ASSOCIATED WITH 30 GRAM GAMMAGARD LIQUID VIAL USE IN TREATING PRIMARY IMMUNODEFICIENCY (PI) PATIENTS IN REAL WORLD	PID	Ravi Iyer, <i>Baxter Healthcare Corp</i>
55	2291	MULTI-MODAL TREATMENT OF SEVERE TOXIC SHOCK LIKE SYNDROME (TSLs) WITH IV-IGG, INFlixIMAB AND TOPICAL PIMECROLIMIS CREAM	Autoimmunity; Immediate Hypersensitivity	Robert A. Dracker
56	2431	THE EXPANDING CLINICAL SPECTRUM OF ADENOSINE DEAMINASE (ADA) DEFICIENCY INCLUDES FEATURES OF METABOLIC SYNDROME	PID	Robert Sokolic, <i>National Human Genome Research Institute</i>
57	2408	SPECIFIC ANTIBODY DEFICIENCY IN A GIRL WITH PENTASOMY X CHROMOSOME	PID; Genetics	Rongras Damrongwatanasuk, <i>University of South Florida</i>
58	2451	SECRETORY LEUKOCYTE PROTEASE INHIBITOR IN CONJUNCTIVAE AFFECTED BY OCULAR CICATRICAL PEMPHIGOID	Autoimmunity; Mucosal Immunology	Rony Greemberg, <i>Massachusetts Eye Research and Surgery Institution</i>
59	2435	HARMONIN AUTOANTIBODIES MEASURED BY LIPS AS SPECIFIC MARKERS FOR THE DIFFERENTIAL DIAGNOSIS OF IPEX AND IPEX-LIKE SYNDROMES	Autoimmunity	Rosa Bacchetta, <i>San Raffaele Telethon Institute for Gene Therapy (HSR-TIGET), Milan, Italy</i>
60	2292	IMMUNE DYSFUNCTION WITH COENZYME Q10 DEFICIENCY IMPROVES AFTER COENZYME Q10 REPLACEMENT IN A FOUR YEAR-OLD CHILD WITH RECURRENT INFECTIONS	PID	Samira Farough, <i>MassGeneral Hospital for Children</i>
61	2420	INFECTION INCIDENCE AND ANTIBIOTIC USAGE IN PRIMARY IMMUNE DEFICIENCY PATIENTS ON IMMUNOGLOBULIN THERAPY: RESULTS FROM THE IMMUNOGLOBULIN DIAGNOSIS, EVALUATION, AND KEY LEARNINGS (IDEAL) PATIENT REGISTRY PROGRAM	PID	Sean Kearns, <i>Coram Clinical Trials</i>
62	2440	ANALYSIS OF PHYSICAL AND MENTAL QUALITY OF LIFE MARKERS IN PRIMARY IMMUNE DEFICIENCY PATIENTS ON IMMUNOGLOBULIN THERAPY: RESULTS FROM THE IMMUNOGLOBULIN DIAGNOSIS, EVALUATION, AND KEY LEARNINGS (IDEAL) PATIENT REGISTRY PROGRAM	PID	Sean Kearns, <i>Coram Clinical Trials</i>
63	2412	DOCK-8 DEFICIENCY- A CASE OF COMBINED IMMUNODEFICIENCY, EOSINOPHILIA AND ATOPY WITHOUT ELEVATED SERUM IgE	PID	Shanmuganathan Chandrakasan, <i>Cincinnati Children's Hospital Medical Center</i>
64	2449	HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS LIKE PRESENTATION OF AUTOIMMUNE LYMPHOPROLIFERATIVE SYNDROME IN MONOZYGOTIC TWINS	PID	Shanmuganathan Chandrakasan, <i>Cincinnati Children's Hospital Medical Center</i>
65	2458	CLINICAL SPECTRUM AND OUTCOME OF HEMATOPOIETIC CELL TRANSPLANT FOR PATIENTS WITH NEMO DEFECT: A SINGLE CENTER EXPERIENCE	PID	Shanmuganathan Chandrakasan, <i>Cincinnati Children's Hospital Medical Center</i>

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Poster #	ID	Title	Keywords	Presenting Author
66	2396	ALLOGENEIC TRANSPLANTATION FOR X-LINKED HYPER IgM SYNDROME- A SINGLE INSTITUTION EXPERIENCE	PID	Sharat Chandra, <i>Cincinnati Children's Hospital Medical Center</i>
67	2365	ABNORMAL NEUTROPHIL OXIDATIVE BURST (NOXB) IN A 72-YEAR OLD MALE WITH SECONDARY HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS (HLH)	PID	Shefali Anil Samant, <i>Mayo Clinic</i>
68	2376	CASE REPORT OF 2 PATIENTS WITH COMMON VARIABLE IMMUNODEFICIENCY (CVID) AND DEBILITATING CHRONIC URTICARIA/ANGIOEDEMA (CUA)	Autoimmunity; PID	Solrun Melkorka Maggadottir, <i>Children's Hospital of Philadelphia</i>
69	2416	IMMUNE DYSREGULATION, TELOMERE SHORTENING, AND LIVER DISEASE IN A PEDIATRIC PATIENT: A THERAPEUTIC DILEMMA	PID	Timothy Lax, <i>Massachusetts General Hospital</i>
70	2369	DELAYED RECOGNITION AND TREATMENT OF HAE	Complement and C1inh	Vivian Cino, <i>Joe Dimaggio Childrens Hospital</i>
71	2338	GNATHOSTOMA SPINIGERUM: IMMUNODEPRESSION IN EXPERIMENTAL INFECTED MICE	Host Microbial Interactions/ Pathogen Discovery	Wilai Saksirisampant
72	2380	PREDICTION OF EARLY/IMMEDIATE AND LONG-TERM OUTCOME FOLLOWING RENAL TRANSPLANTATION USING PERIOPERATIVE MEASUREMENTS OF SELECTED LEVELS OF COMPLEMENT-DERIVED ANAPHYLATOXINS AND MOLECULES	Complement and C1inh; Transplant Immunology	Wojciech Blogowski, <i>Pomeranian Medical University in Szczecin</i>
73	2381	CLINICAL ANALYSIS OF COMPLEMENT-DERIVED ANAPHYLATOXINS AND MOLECULES IN HUMAN ADIPOSE TISSUE	Complement and C1inh	Wojciech Blogowski, <i>Pomeranian Medical University in Szczecin</i>

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