



# EOSINOPHIL NEWS

## Message from the President



Dear colleagues and friends,

We would like to update you with a newsletter about recent developments in our society as well as in our field of research. I invite you to navigate through the pages, discover the different activities offered, and learn more by visiting our website. In particular, I would like to warmly invite you to join us in Chicago on 14-18 July for the 2015 IES Biennial Symposium, the main scientific meeting of our Society. Bruce Bochner and his team are doing an amazing job in organizing this meeting and we are convinced that it will be a great scientific and social event for all of our members and friends. We look forward to meeting you in Chicago.

How about the future of our IES biennial meetings? As already announced, Marie Carlson and Christine Wennerås will be the organizers of the 2017 IES symposium which will be held in Gothenburg, Sweden.

Please note that we are currently collect proposals for 2019 and would like to encourage you to send us your proposal by 30 June 2015.

Sincerely,

Hans-Uwe Simon, MD PhD  
President



*Bruce S. Bochner, MD, 2015 IES Scientific Program Director  
April 2015*

Dear Colleagues-

It's April, and that means that spring has finally arrived, right? Except that here in Chicago we tied the record, in place since 1875, for the coldest February ever! But never fear, the weather in July in Chicago is splendid, and the science at the IES meeting will be blazing hot. With the help of the organizing and fundraising committees, the program is now complete. Since the last newsletter, registration has opened, abstract submission went live (due date for submission is 30 April), accommodations can be booked, travel grant applications can be submitted, and the Scientific Program has been posted online, including the exciting additional Pre-Conference Workshop on Tuesday 14 July that has been organized by Marc Rothenberg (morning session entitled "Consortium of Eosinophilic Gastrointestinal Disease Researchers (CEGIR) Symposium") and Amy Klion (afternoon session entitled "Personalized medicine: novel biologic therapies for rare eosinophilic disorders"). Those who plan to attend both should make their travel plans accordingly to arrive by Monday 13 July, and should also be aware that registration for this pre-IES conference is only an additional \$50 (instead of \$100) if you are also registering for the main IES meeting. We are still working out the final details for some of the evening social events, but we are certain to have ample opportunities to mix great science with collegiality and fun. Looking forward to seeing you there!



# Eosinophils in Health and Disease

*Edited By James J. Lee and Helene F. Rosenberg*

## Key Features:

- The only updated, comprehensive source of information on eosinophils currently available
- Presents a holistic view of the subject, including basic science, disease-specific chapters, therapeutic options and emerging areas of research
- Features content from over 100 authors who are prominent members of the eosinophil research and clinical community
- Includes detailed illustrations, figures and tables



More details available online at

[www.eosinophil-society.org/eosinophil-resources/iespublications](http://www.eosinophil-society.org/eosinophil-resources/iespublications)

## CALENDAR OF EOSINOPHILIC EVENTS

### **British Society for Haematology (SBH)**

20 - 22 April 2015  
Edinburgh, United Kingdom

### **American Thoracic Society (ATS)**

15 - 20 May 2015  
Denver, CO

### **European College of Allergy, Asthma and Clinical Immunology (EAACI)**

**Congress 2015**  
6 - 10 June 2015  
Barcelona, Spain

### **European Hematology Association (EHA)**

11 - 14 June 2015  
Vienna, Austria

### **Federation of Clinical Immunology Societies (FOCIS)**

22 - 28 June 2015  
San Diego, CA

### **American Partnership for Eosinophilic Disorders (APFED)**

26 - 27 June 2015  
Indianapolis, IN

### **Society for Leukocyte Biology (SLB)**

27 - 29 September 2015  
Raleigh, NC

### **World Allergy Organization (WAO) Congress**

14 - 17 October 2015  
Seoul, Korea

### **American Society of Tropical Medicine and Hygiene (ASTMH)**

25 - 29 October 2015  
Philadelphia, PA

### **American College of Allergy, Asthma and Immunology (ACAAI)**

5 - 9 November 2015  
San Antonio, TX

### **Campaign Urging Research for Eosinophilic Disease (CURED)**

6 - 8 November 2015  
Cincinnati, OH

### **American Society of Hematology (ASH)**

5 - 8 December 2015  
Orlando, FL

### **American Academy of Allergy, Asthma & Immunology (AAAAI)**

**Annual Meeting**  
4 - 7 March 2016  
Los Angeles, CA

**HOT OFF THE PRESS**

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**HOT OFF THE PRESS, CONTINUED**

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 **International Eosinophil Society, Inc.**

**9th Biennial Symposium**  
**14-18 July 2015**  
**Chicago, IL**  
Holiday Inn Mart Plaza

Chicago



# Members Speaking at other Meetings

AMERICAN THORACIC SOCIETY (ATS) INTERNATIONAL CONFERENCE 2015		
Lloyd, Clare	Sunday, 17 May, 2015: 10:15 AM - 10:34 AM	Pulmonary Epithelial Derived TGF- $\beta$ 1 Facilitates Innate Lymphoid Cell Mediated Allergic Airways Disease
Nair, Parameswaran	Tuesday, 19 May, 2015: 9:36 AM - 9:50 AM	Sputum Eosinophils Should Be Used to Guide Asthma Therapy

EUROPEAN ACADEMY OF ALLERGY AND CLINICAL IMMUNOLOGY (EACCI) CONGRESS 2015		
Busse, William	Tuesday, 9 June, 2015: 10:30 AM - 11:00 AM	The pathophysiology of asthma in the elderly
Gauvreau, Gail	Monday, 8 June, 2015: 3:45 PM - 4:15 PM	Thymic stromal lymphopoietin: a central regulator of allergic asthma
Levi-Schaffer, Francesca	Wednesday, 10 June, 2015: 11:30 AM - 12:00 PM	Eosinophilia and skin diseases
Lloyd, Clare	Wednesday, 10 June, 2015: 9:30 AM - 10:00 AM	Role of epithelial derived IL-33 in allergy
Nair, Parameswaran	Monday, 8 June, 2015: 10:45 AM - 11:15 AM	The clinical use of biomarkers in asthma: Sputum
Simon, Hans-Uwe	Monday, 8 June, 2015: 10:00 AM - 10:30 AM	Eosinophil activation and degranulation
Straumann, Alex	Monday, 8 June, 2015: 3:45 PM - 4:15 PM	Eosinophilic esophagitis in adults and children: different entities?
Valent, Peter	Monday, 8 June, 2015: 2:15 PM - 2:45 PM	Mastocytosis and mast cell activation syndrome
Wardlaw, Andrew	Monday, 8 June, 2015: 11:45 AM - 12:15 PM	Treatment of Aspergillus fumigatus-associated asthma

EUROPEAN HEMATOLOGY ASSOCIATION (EHA) CONGRESS 2015		
Valent, Peter	Friday, 12 June, 2015: 8:30 AM - 9:00 AM	Markers and Targets of Neoplastic Stem Cells in CML
Valent, Peter	Saturday, 13 June, 2015: 8:30 AM - 9:00 AM	Markers and Targets of Neoplastic Stem Cells in CML

FEDERATION OF CLINICAL IMMUNOLOGY SOCIETIES (FOCIS) ANNUAL MEETING 2015		
Schleimer, Robert	Wednesday, 24 June, 2015: 11:05 AM - 11:30 AM	The Big Picture

## Awards

**Joanne Masterson** was awarded the APFED HOPE Pilot Award 2014 (American Partnership for Eosinophilic Disorders) for her grant entitled CEHIF signaling and mucosal healing in EoE<sup>1</sup>.

**Shahan Fernando's** research abstract received a poster of distinction award at the 2014 North American Society for Pediatric Gastroenterology, Hepatology and Nutrition annual conference, October 2014.



# Trainee Update

APRIL 2015

*Neda Farahi, IES Trainee Board Member*

## Chicago Symposium

There are only three more months to go until our IES symposium in Chicago. There is an excellent programme planned with trainee and senior IES members co-chairing some sessions. Trainee travel grants are available again this year so please have a look at the IES website for further details. Don't forget that IES trainee members are entitled to a reduced registration rate and that the early-bird registration is available until the end of April.

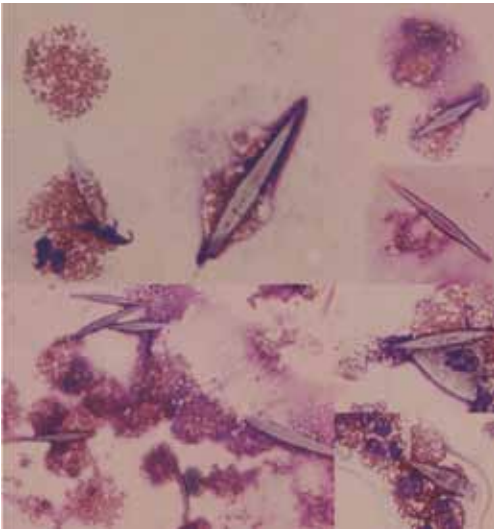
## Photo competition

Congratulations to Dr. Linsey Porter (1<sup>st</sup> prize) and Dr. Paige Lacy (2<sup>nd</sup> prize) for their winning eosinophil photos. Plans are afoot to convert these eye-catching images into T-shirts and they should be available for purchase at the Chicago meeting.

If you are a trainee member and want to get more actively involved in the IES, please get in touch with me at the meeting or by email ([nf231@cam.ac.uk](mailto:nf231@cam.ac.uk)). There are a number of opportunities to be involved in the IES sub-committees.

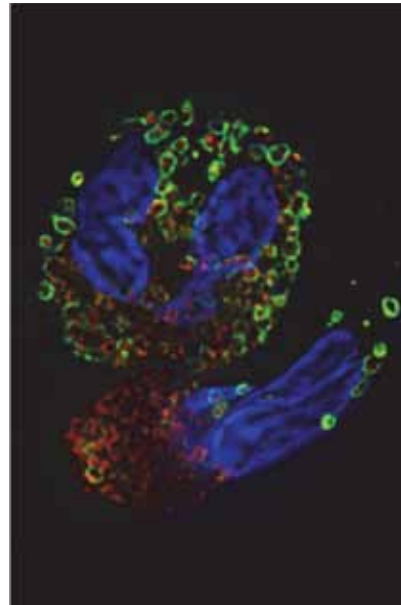
I hope you can join us in Chicago!

## 1<sup>st</sup> Place: Linsey Porter



The images show Charcot-Leyden Crystal formation from apoptotic/secondary necrotic eosinophils following their *in vitro* culture. Crystal formation was evident in eosinophils derived from atopic donors cultured under specific conditions that are believed to be both pathological and physiologically relevant. This finding has important *in vivo* relevance given that these crystals are often associated with eosinophilic inflammation and disease.

## 2<sup>nd</sup> Place: Paige Lacy



This is an image of a human eosinophil labeled for CD63 (green) and Rab27a (red), with DAPI staining (blue) to show the nucleus. Orig. mag. 63X. This image came from work done on our paper in *J. Leukoc. Biol.* 94:1265-74, 2013. This was captured on a Deltavision OMX super resolution microscope system, and has not been used in any publication.





## EGPA anti IL5 study

A world-wide Phase III study is currently underway investigating the efficacy and safety of mepolizumab, a fully humanized IgG monoclonal antibody specific for interleukin-5, for patients with Eosinophilic Granulomatosis with Polyangiitis, previously known as Churg-Strauss syndrome. This is a randomized, double-blind, placebo-controlled study over a 52 week treatment period for patients with relapsing or refractory EGPA on background corticosteroid therapy and standard of care therapy, with or without immunosuppressive therapy. The study is designed to evaluate the effectiveness of mepolizumab in inducing and maintaining remission of EGPA while reducing dependency on corticosteroids and other immunosuppressive agents. Mepolizumab is an interleukin-5 inhibitor; by binding to this cytokine it prevents IL-5 from binding to the receptor on the surface of eosinophils, therefore preventing further growth and production of eosinophils. Either 300mg of mepolizumab or placebo will be administered subcutaneously every 4 weeks, while oral steroid dose will be gradually tapered as per protocol based on patients' disease stability and vasculitis-specific outcome measurement tools. This study is jointly conducted by a branch of the National Institutes of Health, the National Institute of Allergy and Infectious Diseases, and by GlaxoSmithKline. This novel treatment could help patients with this rare disease rely less on long term corticosteroid use and provide an additional treatment option.

### INVESTIGATIONAL SITES AND PRINCIPAL INVESTIGATORS:

National Jewish Health

PI: Michael Wechsler, MD [wechslerm@njhealth.org](mailto:wechslerm@njhealth.org)

Beth Israel Deaconess Medical Center

PI: Peter Weller, MD [pweller@bidmc.harvard.edu](mailto:pweller@bidmc.harvard.edu)

University of Utah:

PI: Gerald Gleich, MD [gerald.gleich@hsc.utah.edu](mailto:gerald.gleich@hsc.utah.edu)

Mayo Clinic:

PI: Ulrich Specks, MD [specks.ulrich@mayo.edu](mailto:specks.ulrich@mayo.edu)

Cleveland Clinic:

PI: Carol Langford, MD [Langfoc@ccf.org](mailto:Langfoc@ccf.org)

University of Pennsylvania:

PI: Peter Merkel, MD [Peter.Merkel@uphs.upenn.edu](mailto:Peter.Merkel@uphs.upenn.edu)

National Institutes of Health

PI: Paneez Khoury, MD [khouryp@niaid.nih.gov](mailto:khouryp@niaid.nih.gov)

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## Don't forget to renew your International Eosinophil Society, Inc. membership!

As a reminder, the IES membership fees have not increased, the dues structure merely changed. Prior to 2015, IES offered one-year regular membership dues for \$100 per year. The new dues structure offers two-year regular membership dues for \$200. Please contact Ashley Salmon at +1 414 276 6445 or [asalmon@eosinophil-society.org](mailto:asalmon@eosinophil-society.org) with questions.

To renew your membership, please click here: <http://www.eosinophil-society.org/membership/membership-information>

As always, IES members receive discounted rates to the biennial symposiums. The 9th Biennial Symposium registration is open

and can be completed here: <http://www.eosinophil-society.org/symposia/2015-biennial-symposium/registration>

Are you a young scientist planning on submitting an abstract for the 9th Biennial Symposium? Apply for a travel grant today! <http://www.eosinophil-society.org/symposia/2015-biennial-symposium/travel-grants>

All abstracts may be submitted here: <http://www.eosinophil-society.org/symposia/2015-biennial-symposium/abstract-submission>



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### THE EOSINOPHIL NEWS IS SEEKING CONTRIBUTORS — NEXT ISSUE FALL 2015!

Whether you are interested in writing a recurring column or a one-time piece, have an idea for new content, or information about a newsworthy item, we would like to hear from you. Pictures are always appreciated. Contact Hans-Uwe Simon at [president@eosinophil-society.org](mailto:president@eosinophil-society.org). To place an ad in the newsletter, contact Ashley Salmon at [asalmon@eosinophil-society.org](mailto:asalmon@eosinophil-society.org).

### EOSINOPHIL RESOURCES

Please visit [www.eosinophil-society.org/eosinophil-resources/website-and-listservs](http://www.eosinophil-society.org/eosinophil-resources/website-and-listservs) for a link to these resources:

- American Partnership for Eosinophilic Disorders (APFED)
- Children's Hospital of Philadelphia - Center for Pediatric Eosinophilic Disorders
- Churg Strauss Syndrome Association (CSSA)
- Cincinnati Center for Eosinophilic Disorders
- Diagnostics Development
- HES Listserv
- NJ/PA Eosinophilic Support Group
- Office of Rare Diseases
- TIGERS



# Request for Proposals: 2019 IES Biennial Symposium

**DEADLINE FOR SUBMISSIONS: 30 JUNE 2015**

**THE APPLICATIONS WILL BE DISCUSSED IN CHICAGO (AT THE 2015 SYMPOSIUM).**

Below, we provide information about the process that will be used to decide on the location of the 2019 meeting and proposal information.

When you submit a proposal please discuss the following issues that are of concern to the Board, and to the members of the Society.

1. Distance from Airport - Please include the convenience and cost of transportation to the site from the major cities of Europe, North America and Asia from which our members will be traveling.
2. Hotel Room Rates during the month of July
3. Average Temperature during the month of July
4. Please provide a list of available conference facilities that could be used for the Symposium.
5. Please include a list of nearby attractions.
6. Please include a few novel things about the venue and city.

Please send a summary of your responses to the points listed above to Ashley Salmon ([asalmon@eosinophil-society.org](mailto:asalmon@eosinophil-society.org)) with the IES Secretariat, who then will distribute them to the Board to review.

On behalf of the Board, we want to thank, in advance, those of our colleagues who are willing to consider presenting a proposal for the 2019 meeting and future meetings of our Society.

The Board's objective will be to use its best judgment to choose a site for the 2019 meeting that is likely to be appealing to the majority of our members, and where they can enjoy the traditional collegial scientific and social interactions characteristic of our organization, in a stimulating and interesting site. We look forward to receiving your proposals.

Sincerely,

Hans-Uwe Simon, MD PhD  
President, International Eosinophil Society, Inc.

