

SOCIETY FOR
MUCOSAL IMMUNOLOGY

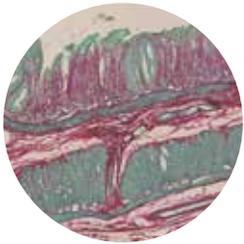


NEWSLETTER

Volume 6
Issue 4
December 2014

A Quarterly Publication of the Society for Mucosal Immunology

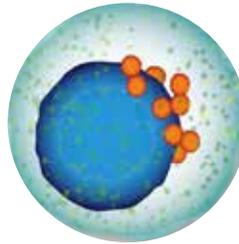
Registration and Abstract Submission are Now Open!



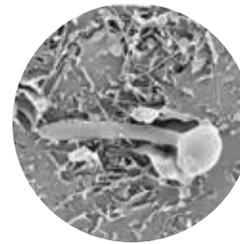
Submit Your
Science



ICMI 2015
Programming



SMI Symposium
at AAI



New Protocols
on SMI Website



Lectures
on Demand



EMIG 2014 Poster
Prize Winners



Test Your
Mucosal
Knowledge



Join Your
Global
Colleagues



Nov. and Dec.
Featured Papers

Submit your Science to ICMI 2015 Today!

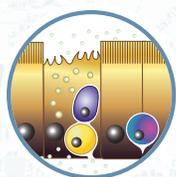
ICMI 2015

17th International Congress of Mucosal Immunology
July 14th - 18th • Berlin, Germany

Abstract submission for the 17th International Congress of Mucosal Immunology (ICMI 2015) is now open! Submit your abstract to the premier meeting on the mucosal immune system. Notifications will be sent to the contact author via email on April 15, 2015.

SMI is proud to support young scientists in the field of mucosal immunology and will award up to 40 travel awards for the upcoming ICMI congress. Travel awards will range from \$500-\$1,000 and will be given to young investigators who submit the highest scoring abstracts. Eligible awardees must be under the age of 40 and must be members of SMI. Recipients will be notified via email by April 15, 2015.

To submit your abstract, [click here](#).



SOCIETY FOR
MUCOSAL IMMUNOLOGY

SMI Symposium at AAI

SMI is hosting a guest symposium at the American Association of Immunologists (AAI) Annual Meeting on Sunday, May 10, 2015 in New Orleans, Louisiana. The symposium will feature:



10:15-10:45 am:
Control of Mucosal Th17 Cell Homeostasis
Ivaylo Ivanvo, PhD,
Columbia University



10:45-11:15 am:
N TCRab+ IEL: Mix and Match MHC Reactives
Florence Lambolez, PhD,
La Jolla Institute for Allergy and Immunology



11:15-11:45 am:
NKT Cells Orchestrate Critical Barrier Protective Functions in Mucosal Tissues
Richard Blumberg, MD,
Brigham & Women's Hospital



11:45-12:15 pm:
Human Pathogen Reactive MAIT Cells
Marielle Gold, PhD,
Oregon Health & Science University



Symposium Chaired by:
Tim Denning, PhD,
Emory University

New Protocols Added to the SMI Website!



Back by popular demand: New protocols have been added to the SMI website! Enjoy new, interactive protocols ranging from the *Isolation of T Cells from the Gut to Investigating Intestinal Inflammation in DSS-induced Model of IBD*.

Do you have a protocol you would like displayed on the SMI website? If so, please send your protocol to SMI Membership and Marketing Coordinator, Catherine Wanzer at cwanzer@socmucimm.org.

New Member Benefit: Lectures on Demand

Couldn't make it to ICMI 2013 in Vancouver? SMI is happy to announce its members now have access to plenary session videos. Access the full-length session videos through the Members Only portal on the SMI website.



Plenary session videos include:

- *Immune Dysregulation in Celiac Disease* presented by **Nadine Cerf-Bensussan, MD, PhD**
- *Genetics and Pathogenesis* presented by **Ramnik Xavier, MD, PhD**
- *Structure, Function and Diversity of the Human Vaginal Microbiome* presented by **Larry Forney, PhD**

[Click here to access all the plenary sessions.](#)

EMIG 2014 Poster Prize Winners

SMI sponsored two *Mucosal Immunology* poster prizes at this year's European Mucosal Immunology Group (EMIG) conference October 9-12 in Glasgow, Scotland.

Congratulations to Isabella Dotti (IDIBAPS, Barcelona) and Lars Vereecke (Ghent University, Ghent). They each received a poster prize consisting of \$200 and a one year membership to SMI.



From left, Allan Mowat (SMI President-Elect), Isabella Dotti, Lars Vereecke and William Agace (*Mucosal Immunology* journal Associate Editor).



ICMI 2015 Plenary Presentations



Andreas Diefenbach, MD, PhD

University of Mainz
Innate Lymphoid Cells in the Protection of the Mucosal Barrier



Florian Greten, MD

Georg-Speyer Haus,
Institute for Tumor Biology and Experimental Therapy
Inflammation and Stem Cell Plasticity in Colon Cancer



Benjamin Marsland, PhD
University of Lausanne

Neonatal Immune Cell Development in the Lung – Preprogrammed or Opportunities for Intervention?



William Agace, PhD
Lund University

Specialized Functions of Dendritic Cell Subsets in Intestinal Immune Homeostasis



Markus Neurath, MD, PhD

University of Erlangen
T Cell Subsets in IBD



Silvio Danese, MD, PhD
Humanitas Clinical and Research Center

New Therapies for IBD: From Bench to Bedside



Allan Mowat
University of Glasgow

Tissue Determined Differentiation of Macrophages and Dendritic Cells in the Intestine



Wolf-Dietrich Hardt, PhD
Eidgenössische Technische Hochschule Zürich

Salmonella Diarrhea, A Tug of War Between the Microbiota, the Pathogen and Mucosal Innate Immune Defense



Mathias Hornef, MD
Hannover Medical School

Ontogeny of the Enteric Mucosal Immune System and the Host's Susceptibility to Infection



Dana Philpott, PhD
University of Toronto

Nod-like Receptors – At the Interface of Immunity and Microbes



Charles MacKay, PhD
Monash University

Does it All Start in the Gut? Dietary and Bacterial Mechanisms Underlying Gut Homeostasis, Tolerance and Inflammatory Diseases

To view the complete list of topics and speakers, visit the ICMI Program at a [Glance page](#).

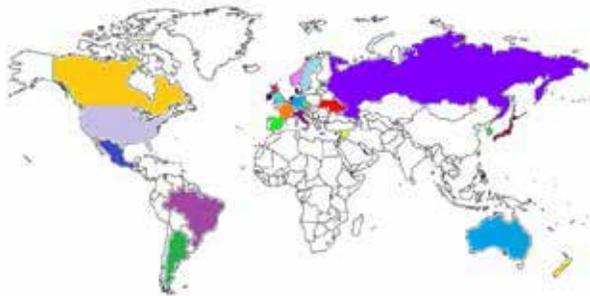
Test your Mucosal Immunology Knowledge

Think you're an expert in the field of mucosal immunology? Test your knowledge by taking a short quiz based off of *Principles of Mucosal Immunology*, the official textbook of SMI. [Click Here to Take the Quiz](#)

Interested in purchasing the textbook? Contact the SMI Executive Office to receive the code for 20% off your textbook purchase.

Join your Global Colleagues

Did you know that SMI members who submit papers to the *Mucosal Immunology* journal receive reduced page, color and open access charges? SMI membership is open to all immunologists, physicians, biochemists, dentists, veterinarians and other scientists who conduct research in or who have an interest in mucosal immunology. [Click here to join or renew.](#)



The perks of SMI membership include:

- A print and online subscription to *Mucosal Immunology*, now with a 7.537 Impact Factor
- 20% off *Principles of Mucosal Immunology* textbook
- Reduced registration to ICMI 2015, July 14-18, 2015 in Berlin, Germany
- Eligibility to receive a travel award to ICMI 2015
- Free job postings in the SMI Career Center
- Access to the SMI Membership Directory

November and December Featured Papers

November:

Precision microbiome reconstitution restores bile acid mediated resistance to *Clostridium difficile*

Buffie CG, Bucci V, Stein RR, McKenney PT, Ling L, Gobourne A, No D, Liu H, Kinnebrew M, Viale A, Littmann E, van den Brink MR, Jenq RR, Taur Y, Sander C, Cross J, Toussaint NC, Xavier JB, Pamer EG.

Nature. 2014 Oct 22. doi: 10.1038/nature13828

TLR5-Mediated Sensing of Gut Microbiota is Necessary for Antibody Responses to Seasonal Influenza Vaccination

Oh JZ, Ravindran R, Chassaing B, Carvalho FA, Maddur MS, Bower M, Hakimpour P, Gill KP, Nakaya HI, Yarovinsky F, Sartor RB, Gewirtz AT, Pulendran B.

Immunity. 2014 Sep 18;41(3):478-92. doi: 10.1016/j.immuni.2014.08.009. Epub 2014 Sep 11.

Cutting Edge: GPR35/CXCR8 is the Receptor of the Mucosal Chemokine CXCL17

José L. Maravillas-Montero, Amanda M. Burkhardt, Peter A. Hevezi, Christina D. Carnevale, Martine J. Smit, and Albert Zlotnik
J Immunol 1401704; published ahead of print November 19, 2014, doi:10.4049/jimmunol.1401704

December:

Induction of the nuclear receptor PPAR- γ by the cytokine GM-CSF is critical for the differentiation of fetal monocytes into alveolar macrophages

Schneider C, Nobs SP, Kurrer M, Rehrauer H, Thiele C, Kopf M.
Nat Immunol. 2014 Nov;15(11):1026-37. doi: 10.1038/ni.3005. Epub 2014 Sep 28.

Indigenous enteric eosinophils control DCs to initiate a primary Th2 immune response in vivo

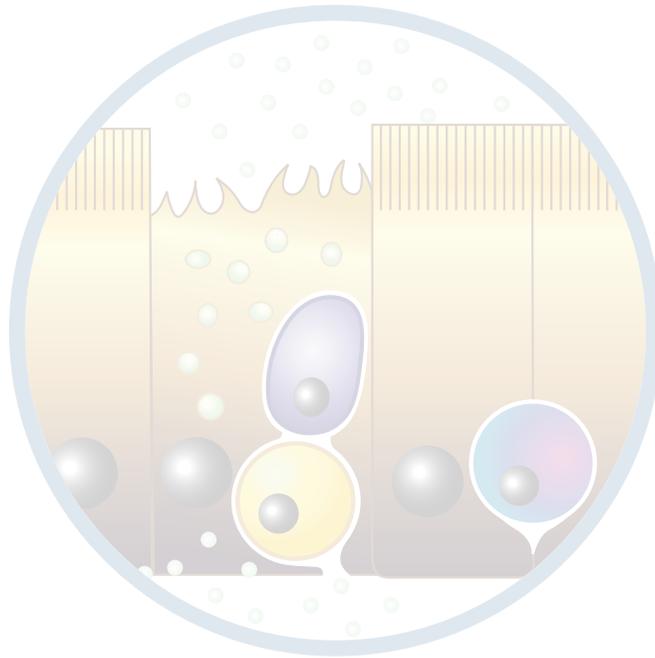
Chu DK1, Jimenez-Saiz R, Verschoor CP, Walker TD, Goncharova S, Llop-Guevara A, Shen P, Gordon ME, Barra NG, Bassett JD, Kong J, Fattouh R, McCoy KD, Bowdish DM, Erjefält JS, Pabst O, Humbles AA, Kolbeck R, Waserman S, Jordana M.

J Exp Med. 2014 Jul 28;211(8):1657-72. doi: 10.1084/jem.20131800.

CD8 α^* innate-type lymphocytes in the intestinal epithelium mediate mucosal immunity

Van Kaer L, Algood HM, Singh K, Parekh VV, Greer MJ, Piazuelo MB, Weitkamp JH, Matta P, Chaturvedi R, Wilson KT, Olivares-Villagómez D.

Immunity. 2014 Sep 18;41(3):451-64. doi: 10.1016/j.immuni.2014.08.010. Epub 2014 Sep 11.



SOCIETY FOR
MUCOSAL
IMMUNOLOGY