

# Author Index

- Abe, Jun, 4076  
 Abou-Samra, Elias, 3994  
 Abrahamsson, Annelie, 4420  
 Adamson, Lauren, 4103  
 Ahsan, Budrul, 4076  
 Akhbir, Loubna, 3949  
 Akira, Shizuo, 4037  
 Ali, Salman, 3949  
 Almyroudis, Nikolaos G., 4175  
 Altman, Amnon, 4027  
 Ametani, Akio, 4076  
 Aminuddin, Farzian, 3949  
 Anderson, Ana C., 4196  
 Angkasekwinai, Nasikarn, 3959  
 Assenmacher, Mario, 3967  
 Astudillo, Aurora, 4408  
 Ault, Nicholas, 3994  
 Axthelm, Michael K., 4103
- Bacher, Petra, 3967  
 Bak, Sungho, 4305  
 Balagopalan, Lakshmi, 3849  
 Barr, Valerie A., 3849  
 Barth, Holger, 4215  
 Becker, Allan, 3949  
 Becker, Henry M., 4305  
 Behar, Samuel M., 4196  
 Bendrik, Christina, 4420  
 Bennett, John E., 3959  
 Berberich, David W., 4297  
 Bergman, Petra, 4066  
 Blackwell, Timothy S., 4175  
 Bolinger, Beatrice, 4162  
 Boscá, Lisardo, 4226  
 Brakhage, Axel A., 3967  
 Braley-Mullen, Helen, 3928  
 Browne, Sarah K., 3959  
 Bundle, David R., 4116  
 Byrd, Angel S., 4136
- Calado, Ângelo, 4349  
 Callard, Robin, 3985  
 Candel, Sergio, 4349  
 Carrasquero, Luz María G., 4226  
 Cerdeira, Ana Sofia, 3939  
 Chang, Chia-Shiang, 4205  
 Chan-Yeung, Moira, 3949  
 Chen, Mian, 4305  
 Chen, Pei-Jer, 4185  
 Chen, Tse-Ching, 4205  
 Choi, Ilseung, 4382  
 Choi, Seng Jin, 4092  
 Choi, Youn Soo, 4014  
 Chuang, Sheng-Hao, 4205  
 Commenges, Daniel, 3985  
 Corbeil, Chloe, 3994  
 Corbett, Nathan, 3949  
 Coyle, Elizabeth M., 4400  
 Craig, Vanessa J., 4283  
 Crotty, Shane, 4014  
 Cullen, Jaime L., 3889  
 Cybulsky, Myron I., 4305
- Dabrosin, Charlotta, 4420  
 Daley, Denise, 3949  
 D'Auria, Anthony C., 4175  
 Davidson, Bruce A., 4175  
 de Herreros, Antonio García, 4408  
 Delano, Matthew J., 3916  
 de Lara, Catherine, 4162  
 Delicado, Esmerilda G., 4226  
 Denk, Stephanie, 4215  
 Dennis, Carly G., 4175
- de Oliveira, Sofia, 4349  
 de Ru, Arnoud H., 3869  
 Diao, Liang-Hui, 4027  
 Ding, Li, 3959  
 Downey, Edward, 3928  
 Drijfhout, Jan W., 3869  
 Duke, Jamie L., 3878  
 Dupuy, Adam J., 4393  
 Duso, Debra K., 4149  
 Dutta, Avijit, 4205
- Engeler, Daniel, 4162  
 Eto, Mitsuhiro, 3905  
 Eto, Tetsuya, 4382  
 Evers, Rebecca, 4005
- Falkenburg, J. H. Frederik, 3869  
 Faló, Louis, Jr., 4324  
 Fang, Yujiang, 3928  
 Farooq, Ahmad, 4297  
 Ferris, Laura, 4324  
 Firner, Sonja, 4162  
 Fischer, Henrike J., 4360  
 Fitieh, Amira, 4116  
 Fixman, Elizabeth D., 3859  
 Fjell, Christopher D., 3949  
 Flierl, Michael A., 4215  
 Fortuno, Edgardo S., III, 3949  
 Freeman, Alexandra F., 3959  
 Frey, Jeremy M., 4236  
 Fukada, So-ichiro, 4046  
 Fukushima, Satoshi, 3905  
 Fyfe, Susanne E., 4283
- Gailani, David, 4149  
 Galen, Karen P., 4297  
 Galván, José Alberto, 4408  
 Gaudie, Jack, 4420  
 Gebhard, Florian, 4215  
 Gelfand, Erwin W., 4056  
 Ghazarian, Magar, 4305  
 Ghosh, Yong Song, 4092  
 Ghosh, Arundhati, 4400  
 Gillett, Alan, 4066  
 Gonzalez, Segundo, 4408  
 Goulet, Marie-Line, 3994  
 Gow, Neil A. R., 4129  
 Greenbaum, Jason, 4014  
 Grimm, Melissa J., 4175  
 Gruber, Andras, 4149  
 Grusby, Michael J., 3977  
 Guo, Zhongliang, 4337
- Ha, Tae, 4103  
 Hagen, Shoko I., 4103  
 Hahm, Eun-Ryeong, 4400  
 Hamilton-Valensky, Melisa, 3994  
 Han, Junyan, 4056  
 Hancock, Robert E. W., 3949  
 Harty, John T., 3854  
 Hasegawa, Atsuhiko, 4382  
 Hashimoto, Shin-ichi, 4076  
 Hassan, Chopie, 3869  
 Hattori, Masahira, 4076  
 Hay, John B., 4305  
 He, Fuchu, 4185  
 He, Yueh-Chia, 4205  
 Hedges, Jodi F., 4263  
 Heemskerk, Mirjam H. M., 3869  
 Hegele, Richard G., 3949  
 Hill, Jim, 4149  
 Hirano, Ayaka, 3905
- Hirschfeld, Aaron F., 3949  
 Hogan, Thea, 3985  
 Hohl, Tobias M., 4175  
 Holland, Steven M., 3959  
 Holmdahl, Rikard, 4175  
 Hombrink, Pleun, 3869  
 Honda, Noritoshi, 3905  
 Hong, Bok Sil, 4092  
 Hoque, Rafaz, 4297  
 Howard, James F., 3895  
 Huang, Ching-Tai, 4205  
 Huber-Lang, Markus, 4215  
 Huergo-Zapico, Leticia, 4408  
 Husain, Zaheed, 3939
- Ifrim, Daniela C., 4129  
 Ihn, Hironobu, 3905  
 Izquierdo, Manuel, 4226
- Jacobs, Liesbeth, 4129  
 Jagodic, Maja, 4066  
 James, Tojo, 4066  
 Jansen, Trees, 4129  
 Jayaraman, Pushpa, 4196  
 Jerome, Maria, 4263  
 Jia, Yi, 4056  
 Jinnin, Masatoshi, 3905  
 Joetham, Anthony, 4056  
 Johnson, Courtney M., 4136  
 Johnston, Robert J., 4014  
 Joller, Nicole, 3977  
 Joosten, Leo A. B., 4129  
 Jutila, Mark A., 4263  
 Jutivorakool, Kamonwan, 3959
- Kajihara, Ikko, 3905  
 Kaneko, Shuichi, 4076  
 Kannagi, Mari, 4382  
 Kaplan, Maia, 3949  
 Karumanchi, S. Ananth, 3939  
 Kashgarian, Michael, 3889  
 Kato, Hiroki, 4037  
 Kato, Koji, 4382  
 Kayes, Timothy, 3928  
 Kelkka, Tiina, 4175  
 Kelly-Scumpia, Kindra M., 3916  
 Kerr, William G., 3994  
 Kester, Michel G. D., 3869  
 Khalil, Ashraf M., 3878  
 Khan, A. Nazmul H., 4175  
 Killeen, Meaghan E., 4324  
 Kim, Oh Youn, 4092  
 Kim, Yoon-Keun, 4092  
 Kimmel, Emily, 4263  
 Kinyanjui, Margaret W., 3859  
 Kleinstein, Steven H., 3878  
 Klenerman, Paul, 4162  
 Kniemeyer, Olaf, 3967  
 Knight, Paul R., 4175  
 Knolle, Martin D., 4283  
 Kobzik, Lester, 4283  
 Koh, Ki-Ryang, 4382  
 Kollmann, Tobias R., 3949  
 Kopcow, Hernan D., 3939  
 Kortum, Robert L., 3849  
 Kramarova, Tatiana, 4066  
 Krystal, Gerald, 3994  
 Kuchroo, Vijay K., 3977, 4196  
 Kular, Lara, 4066  
 Kullberg, Bart-Jan, 4129  
 Kummer, Lawrence W., 4149  
 Kupetsky, Erine A., 4324

- Kusano, Takamitsu, 3905  
Kvist, Anders, 4066
- Lacaze-Masmonteil, Thierry, 3949  
Lambiris, John D., 3831, 3839  
Lauer, Peter, 3854  
Lavigne, Liz M., 4136  
Lavoie, Pascal M., 3949  
Lee, Joomin, 4400  
Lee, Pui Y., 3916  
Lee, Won Hee, 4092  
Legasse, Al, 4103  
Leifler, Karin Söderlund, 4420  
Li, Ning, 4371  
Li, Yi, 3916  
Li, Yingqiu, 4027  
Liang, Jia-Qi, 4027  
Liang, Yongjie, 4337  
Liao, Zhenyuan, 4337  
Lifson, Jeffrey D., 4103  
Lin, Chun-Yen, 4205  
Lin, Jr-Shiuan, 4149  
Lin, Yung-Chang, 4205  
Lipinski, Tomasz, 4116  
Liu, Biao, 4185  
Liu, Di, 4185  
Liu, Jing, 4185  
Liu, Man, 3878  
Liu, Sue M., 3977  
Liu, Zhongmin, 4337  
Lo, Agnes, 3939  
Long, Mian, 4371  
López-Soto, Alejandro, 4408  
Lötvall, Jan, 4092  
Lü, Shouqin, 4371  
Lucas, Joseph J., 4056  
Ludewig, Burkhard, 4162  
Luo, Deyan, 4149  
Luque, Alfonso, 4226  
Lux, Anja, 4315
- Mackman, Nigel, 4149  
Maeda, Yasuhiro, 4382  
Mahmoud, Ahmad Bakur, 3994  
Makino, Katsunari, 3905  
Makino, Takamitsu, 3905  
Makrigiannis, Andrew P., 3994  
Malik, Ahsan, 4297  
Mansour, Michael K., 4175  
Mao, Debin, 4371  
Marcus, Roland A., 4056  
Marr, Nico, 3949  
Martín-Sanz, Paloma, 4226  
Masuguchi, Shinichi, 3905  
Mathers, Alicia R., 4324  
Mathewson, Nathan, 4005  
Matsushima, Kouji, 4076  
Mayer, Matthew L., 3949  
McClurg, Joseph P., 4297  
McElrath, Juliana M., 4103  
Mehal, Wajahat, 4297  
Meyerholz, David K., 4393  
Miaw, Shi-Chuen, 4205  
Michaud, Monia, 3977  
Mihlan, Michael, 4215  
Mikami, Norihisa, 4046  
Mino, Takashi, 4037  
Miras-Portugal, María Teresa, 4226  
Miyagi, Yayoi, 4046  
Moldawer, Lyle L., 3916  
Monk, Peter N., 4215  
Morishita, Shinichi, 4076  
Mottashed, Amelia, 3994  
Mulero, Victoriano, 4349  
Mullarky-Kanevsky, Isis, 4149
- Mullen, Karl, 4103  
Müller, Nora, 4360
- Nacionales, Dina C., 3916  
Nagavalli, Anil, 3895  
Nakada, Emily M., 3859  
Nakamae, Hirohisa, 4382  
Nakatani, Yoichiro, 4076  
Neff, Thomas, 4215  
Netea, Mihai G., 4129  
Nickerson, Kevin M., 3889  
Nieves, Evelyn, 4005  
Nijveen, Harm, 3869  
Nimmerjahn, Falk, 4315  
Nishimura, Tomoyasu, 4196  
Nogueron, Arys, 4103
- O'Brien, Xian M., 4136  
O'Connor, Brian P., 4056  
O'Dea, Kieran P., 4274  
Ogoshi, Katsumi, 4076  
O'Hara, Geraldine, 4162  
Okamura, Jun, 4382  
Olivier, Alicia K., 4393  
Olivier, Kenneth N., 3959  
Olsson, Anna-Karin, 4420  
Ori, Daisuke, 4037  
Oshima, Kenshiro, 4076  
Ostergaard, Hanne L., 4116  
Owen, Caroline A., 4283
- Parent, Michelle A., 4149  
Park, Anna K., 3849  
Park, Haesun, 4103  
Park, Kyong-Su, 4092  
Patel, Avignat S., 4283  
Patel, Brijesh V., 4274  
Peng, Hui, 4255  
Pérez-Sen, Raquel, 4226  
Perl, Mario, 4215  
Peters, Bjoern, 4014  
Pewe, Lecia L., 3854  
Piatak, Michael, Jr., 4103  
Picker, Louis J., 4103  
Pimentel-Santillana, María, 4226  
Pivarsci, Andor, 4066  
Pyrgos, Vasilios, 3959
- Qin, Andong, 4337  
Qu, Wei, 4076  
Quintero, Pablo A., 4283  
Quintin, Jessica, 4129  
Qureshi, Salman T., 3859
- Rahim, Mir Munir A., 3994  
Raines, Elaine W., 4236  
Rajakumar, Augustine, 3939  
Reddy, Pavan, 4005  
Reeves, Westley H., 3916  
Reichardt, Holger M., 4360  
Reichner, Jonathan S., 4136  
Remold, Heinz G., 4196  
Ren, Tao, 4337  
Renshaw, Stephen A., 4349  
Reyes-Aldasoro, Constantino C., 4349  
Ricklin, Daniel, 3831, 3839  
Rittirsch, Daniel, 4215  
Robertson, Jennifer, 4420  
Rodrigo, Luis, 4408  
Rogers, Laura M., 4393  
Roh, Tae-Young, 4092  
Röhm, Marc, 4175  
Rosen, Lindsey B., 3959  
Roy, Justin G., 3994
- Royle, Caroline M., 3939  
Ruhmann, Sabrina, 4066  
Rullo, Jacob, 4305
- Sada-Ovalle, Isabel, 4196  
Sakai, Keisuke, 3905  
Samelson, Lawrence E., 3849  
Sandford, Andrew J., 3949  
Sanjo, Hideki, 4037  
Sarkar, Saumendra N., 4400  
Sarma, J. Vidya, 4215  
Sasada, Amane, 4382  
Sasaki, Atsushi, 4076  
Scanlan, Chris N., 4315  
Schatz, David G., 3878  
Scheffold, Alexander, 3967  
Schink, Christian, 3967  
Schneider, Marion E., 4215  
Schneiderman, Julia, 3949  
Scumpia, Philip O., 3916  
Seddon, Benedict, 3985  
Seder, Robert A., 4103  
Segal, Brahm H., 4175  
Shan, Jichuan, 3859  
Shand, Francis H. W., 4076  
Shlomchik, Mark J., 3878, 3889  
Shuvaev, Andrey, 3985  
Sims, Stuart, 4162  
Singel, Kelly L., 4175  
Singh, Shivendra V., 4400  
Slütter, Bram, 3854  
Smiley, Stephen T., 4149  
Smith, Colin-Jamal, 3895  
Snyder, Deann T., 4263  
Sobel, Eric, 3916  
St. Pierre, Joëlle, 4116  
Su, Maureen A., 3895  
Sueda, Kaori, 4046  
Suehiro, Youko, 4382  
Sugano, Sumio, 4076  
Sukhatme, Vikas P., 3939  
Sun, John, 4005  
Sun, Rui, 4255  
Sun, Yaping, 4005  
Supic, Gordana, 4066  
Sputtamongkol, Yupin, 3959  
Sutherland, Andrew P. R., 3977  
Suzuki, Yutaka, 4076  
Svensson, Susanne, 4420  
Sylwester, Andrew W., 4103  
Szaba, Frank M., 4149
- Tai, Lee-Hwa, 3994  
Tai, Phillip W. L., 4236  
Takamori, Ayako, 4382  
Takata, Masao, 4274  
Takatsuji, Miku, 4046  
Takeda, Katsuyuki, 4056  
Takemoto, Shigeki, 4382  
Takeuchi, Osamu, 4037  
Tamai, Yotaro, 4382  
Tamaki, Hiroya, 4005  
Tang, Li, 4185  
Tang, Ling, 4255  
Tanosaki, Ryuji, 4382  
Tartey, Sarang, 4037  
Tchilian, Elma, 4162  
Teutschbein, Janka, 3967  
Thadhani, Ravi I., 3939  
Thiebaut, Rodolphe, 3985  
Tian, Zhigang, 4255  
Tighe, Michael, 4149  
Tischner, Denise, 4360  
Tomayko, Mary M., 3878  
Tomomi, Toubai, 4005

Tong, Chunfang, 4371  
Touret, Nicolas, 4116  
Toyama-Sorimachi, Noriko, 3994  
Través, Paqui G., 4226  
Trawick, Bobby N., 4297  
Troke, Angela D., 3994  
Tsubota, Yoshiaki, 4236  
Tsujikawa, Kazutake, 4046  
Tsutsui, Hiroko, 4245  
Turvey, Stuart E., 3949

Uchiyama, Ryosuke, 4245  
Uike, Naokuni, 4382  
Unnewehr, Heike, 4215  
Urban, Constantin F., 4175  
Utsunomiya, Atae, 4382

van Bergen, Cornelis A. M., 3869  
van den Brandt, Jens, 4360  
van der Meer, Jos W. M., 4129  
van Veelen, Peter A., 3869  
Vethanayagam, R. Robert, 4175  
Vyas, Jatin M., 4175

Wada, Takashi, 4076  
Wang, Min, 4185  
Wang, Shirley, 3949  
Wang, Shufang, 3928  
Wang, Xiaowen, 4185  
Ward, Peter A., 4215  
Wei, Haiming, 4255  
Weinstein, Jason S., 3916  
Weiss, Manfred, 4215  
Welikson, Robert E., 4236  
Wen, Zhenke, 4337  
Williams, David L., 4129  
Williamson, Peter R., 3959  
Wilson, Michael R., 4274

Xiao, Haiyan, 4305  
Xie, Ji-Ji, 4027  
Xu, Lin, 4337  
Xu, Yuan, 3916

Yaari, Gur, 3878  
Yamamoto, Hiroshi, 4046  
Yamane, Keitaro, 3905

Yamano, Yoshihisa, 4382  
Yan, Jin, 3949  
Yang, Dongliang, 4185  
Yang, Jessica A., 4014  
Yang, Lauren M., 3959  
Yang, Lijun, 3916  
Yates, Andrew, 3985  
Yen, Ming-I, 4205  
Yonehara, Shin, 4245  
Yoon, Yae Jin, 4092  
Yu, Jhang-Sian, 4205  
Yu, Shiguang, 3928  
Yu, Xiaojie, 4315  
Yusuf, Isharat, 4014

Zein, Haggag S., 3994  
Zeng, Xiaopei L., 3895  
Zetoune, Firas, 4215  
Zhang, Yan, 4371  
Zhao, Dianyuan, 4185  
Zhou, Ya, 4337  
Zhu, Jianzhong, 4400



# 2013 Introductory Course in Immunology

July 13–18, 2013 • The University of Pennsylvania, Philadelphia, Pennsylvania

Director: Michael P. Cancro, Ph.D., *University of Pennsylvania, Perelman School of Medicine*  
Co-Director: Christopher A. Hunter, Ph.D., *University of Pennsylvania School of Veterinary Medicine*

## Don't miss the most comprehensive introduction to immunology available!

This intensive two-part course, taught by world-renowned immunologists, provides a comprehensive overview of the basics of immunology. This course is for students new to the discipline or those seeking more information to complement general biology or science training. **Part I (July 13–15)** is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. **Part II (July 16–18)** is a clinically oriented lecture series focusing on specialty areas.

Parts I and II may be taken independently at the discretion of the student.

## Faculty

Christopher A. Hunter, *University of Pennsylvania School of Veterinary Medicine*  
*Introduction to the Immune System*

Kathleen E. Sullivan, *Children's Hospital of Philadelphia*  
*Innate Immunity: Introduction to the Cells*

Oriol J. Sunyer, *University of Pennsylvania School of Veterinary Medicine*  
*Complement*

Igor E. Brodsky, *University of Pennsylvania School of Veterinary Medicine*  
*Innate Immunity: Introduction to Pattern Recognition and Intracellular Signaling*

Jennifer A. Punt, *Haverford College*  
*Introduction to Adaptive Immunity*

Terri M. Laufer, *University of Pennsylvania, Perelman School of Medicine*  
*MHC Restriction and Thymic Selection*

Laurence C. Eisenlohr, *Jefferson Medical College*  
*Antigen Processing and Presentation*

Edward M. Behrens, *Children's Hospital of Philadelphia*  
*Dendritic Cells: The Bridge Between Innate and Adaptive Immunity*

Jonathan D. Powell, *Johns Hopkins University School of Medicine*  
*Effector T Cell Differentiation and Response*

Michael P. Cancro, *University of Pennsylvania, Perelman School of Medicine*  
*B Cell Activation and Humoral Immunity*

Gary A. Koretzky, *University of Pennsylvania, Perelman School of Medicine*  
*Signaling in the Immune System*

Andrew D. Luster, *Massachusetts General Hospital, Harvard Medical School*  
*Trafficking of Immune Cells*

Ethan M. Shevach, *NIAID, NIH*  
*T and B Cell Tolerance*

Cathryn Nagler, *University of Chicago*  
*Mucosal Immunology*

David Artis, *University of Pennsylvania, Perelman School of Medicine*  
*Type 2 Immunity and Parasite Infections*

Christopher A. Hunter, *University of Pennsylvania School of Veterinary Medicine*  
*Cytokines*

Jonathan S. Maltzman, *University of Pennsylvania, Perelman School of Medicine*  
*Solid Organ Transplantation*

Robert H. Vonderheide, *University of Pennsylvania, Perelman School of Medicine*  
*Tumor Immunology*

Sunny Shin, *University of Pennsylvania, Perelman School of Medicine*  
*Immunity to Bacterial Pathogens*

Carolina B. Lopez, *University of Pennsylvania School of Veterinary Medicine*  
*Immunity to Viruses*

E. John Wherry, *University of Pennsylvania, Perelman School of Medicine*  
*Immunologic Memory*

David B. Weiner, *University of Pennsylvania, Perelman School of Medicine*  
*Vaccination*

Vijay K. Kuchroo, *Brigham & Women's Hospital, Harvard Medical School*  
*Autoimmunity*

Michael J. Lenardo, *NIAID, NIH*  
*Genetic Approaches to Immune-Mediated Diseases*

Andrew C. Chan, *Genentech, Inc.*  
*Bench to Bedside to Bench: Current Issues in Immunology*

For complete course details and registration, visit:  
[www.aai.org/Education/Courses](http://www.aai.org/Education/Courses)

For assistance, contact (301) 634-7178 or [meetings@aai.org](mailto:meetings@aai.org). Overseas applicants are advised to apply early for visas; for details, visit [www.aai.org/Education/Courses/Visa.html](http://www.aai.org/Education/Courses/Visa.html). Financial support for underrepresented minority scientists is available through the FASEB MARC Program; for details, visit <http://marc.faseb.org>.



# 2013 Advanced Course in Immunology

July 28–August 2, 2013 • Seaport World Trade Center, Boston, Massachusetts

Course Director: Leslie J. Berg, Ph.D., *University of Massachusetts Medical School*

## Don't miss the premier course in immunology for research scientists!

This intensive course is directed toward advanced trainees and scientists who wish to expand or update their understanding of the field. Leading experts will present recent advances in the biology of the immune system and address its role in health and disease. This is not an introductory course; attendees will need to have a firm understanding of the principles of immunology.

### Faculty

Marc K. Jenkins, *Center for Immunology,  
University of Minnesota Medical School*

*Anatomy of the Immune Response*

Jonathan C. Kagan, *Children's Hospital Boston,  
Harvard Medical School*

*Innate Immunity*

Wayne M. Yokoyama, *Washington University  
School of Medicine*

*NK Cells—Their Receptors and Function  
in Health and Disease*

Michael C. Carroll, *Immune Disease Institute,  
Harvard Medical School*

*Molecular and Cellular Mediators of Inflammation*

Shannon J. Turley, *Dana Farber Cancer Institute,  
Harvard Medical School*

*Dendritic Cells*

Frederick W. Alt, *Children's Hospital Boston,  
Harvard Medical School*

*The Generation and Modification of Lymphocyte  
Antigen Receptor Genes*

Shiv Pillai, *Massachusetts General Hospital Cancer  
Center, Harvard Medical School*

*B Cell Development*

Avinash Bhandoola, *University of Pennsylvania,  
Perelman School of Medicine*

*T Cell Development*

Thorsten R. Mempel, *Massachusetts General Hospital,  
Harvard Medical School*

*Lymphocyte Trafficking*

Kenneth L. Rock, *University of Massachusetts  
Medical School*

*MHC-Restricted Antigen Presentation to T Cells*

Leslie J. Berg, *University of Massachusetts  
Medical School*

*Signaling from Antigen Receptors*

Brian A. Cobb, *Case Western Reserve University  
School of Medicine*

*Glycoimmunology*

Charlotte S. Kaetzel, *University of Kentucky College  
of Medicine*

*Mucosal Immunity*

David M. Center, *Boston University School of Medicine*

*Asthma and Allergy*

Joanne L. Flynn, *University of Pittsburgh School  
of Medicine*

*Immune Response to Pathogens*

Ann Marshak-Rothstein, *University  
of Massachusetts Medical School*

*B Cell Tolerance and Autoimmunity*

Vassiliki A. Boussiotis, *Beth Israel Deaconess  
Medical Center, Harvard Medical School*

*T Cell Tolerance and Autoimmunity*

Megan Sykes, *Columbia University College  
of Physicians and Surgeons*

*Transplantation*

Robert Schreiber, *Washington University  
School of Medicine*

*Tumor Immunology*

Susan M. Kaech, *Yale School of Medicine*

*Lymphocyte Memory*

Linda C. Burkly, *Biogen Idec*

*Immunotherapeutics*

Dennis W. Metzger, *Albany Medical College*

*Vaccines*

*Support in part for this AAI course has been generously provided by the Society for Glycobiology*

For complete course details and registration, visit:

[www.aai.org/Education/Courses](http://www.aai.org/Education/Courses)

For assistance, contact (301) 634-7178 or [meetings@aai.org](mailto:meetings@aai.org). Overseas applicants are advised to apply early for visas; for details, visit [www.aai.org/Education/Courses/Visa.html](http://www.aai.org/Education/Courses/Visa.html).

Financial support for underrepresented minority scientists is available through the FASEB MARC Program; for details, visit <http://marc.faseb.org>.

The American Association of Immunologists



# Future AAI Annual Meetings

Mark Your Calendar for the Premier Annual Immunology Event!

# 2014



IMMUNOLOGY 2014™

May 2–6  
Pittsburgh, Pennsylvania

# 2015

IMMUNOLOGY 2015™

May 8–12  
New Orleans, Louisiana



# 2016



IMMUNOLOGY 2016™

May 13–17  
Seattle, Washington

# IMMUNOLOGY 2013™

THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

Celebrating *100 Years*



**Save the Date!**



AAI Annual Meeting

May 3–7, 2013 ■ Honolulu, Hawaii

[www.IMMUNOLOGY2013.org](http://www.IMMUNOLOGY2013.org)