

Graduate Program Immunomodulation Summer Semester 2013 Programme Pillars of Immunology

Date	Chair	Speakers	Topic
18. April	Thomas Hünig	Daniel Paletta Tobias Gulde Tobias Pusch	<p>Hugh Auchincloss and Laurence A. Turka CTLA-4: Not All Costimulation Is Stimulatory. <i>J Immunol</i> 2011 187: 3457-3458</p> <p>Matthew F. Krummel and James P. Allison Pillars Article: CD28 and CTLA-4 Have Opposing Effects on the Response of T Cells to Stimulation. <i>The Journal of Experimental Medicine.</i> 1995. 182: 459–465. <i>J Immunol</i> 2011 187: 3459-3465</p> <p>Theresa L. Walunas, Deborah J. Lenschow, Christina Y. Bakker, Peter S. Linsley, Gordon J. Freeman, Jonathan M. Green, Craig B. Thompson, and Jeffrey A. Bluestone Pillars Article: CTLA-4 Can Function as a Negative Regulator of T Cell Activation. <i>Immunity.</i> 1994. 1: 405–413. <i>J Immunol</i> 2011 187: 3466-3474</p>
25. April 3 pm	Thomas Herrmann	Felipe Riaño Cinthia Silva Hani Alrefai	<p>Stephen M. Hedrick Positive Selection in the Thymus: An Enigma Wrapped in a Mystery. <i>J Immunol</i> 2012 188: 2043-2045</p> <p>Kristin A. Hogquist, Stephen C. Jameson, William R. Heath, Jane L. Howard, Michael J. Bevan, and Francis R. Carbone Pillars Article: T Cell Receptor Antagonist Peptides Induce Positive Selection. <i>Cell.</i> 1994. 76: 17–27. <i>J Immunol</i> 2012 188: 2046-2056</p>
2. May	This seminar is moved to the 18 th of July		
9. May	No seminar due to Christi Himmelfahrt		

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16. May	Niklas Beyersdorf	Lisa Prager Krisna Murti Thomas Nerreter	<p>Michael J. Bevan The Earliest Knockouts. J Immunol 2010 184: 4585-4586</p> <p>Maarten Zijlstra, Mark Bix, Neil E. Simister, Janet M. Loring, David H. Raulet, and Rudolf Jaenisch Pillars Article: β2-Microglobulin Deficient Mice Lack CD4⁻8⁺ Cytolytic T Cells. <i>Nature.</i> 1990. 344: 742–746. J Immunol 2010 184: 4587-4591</p> <p>Beverly H. Koller, Philippa Marrack, John W. Kappler, and Oliver Smithies Pillars Article: Normal Development of Mice Deficient in β2M, MHC Class I Proteins, and CD8⁺ T Cells. <i>Science.</i> 248: 1227–1230. J Immunol 2010 184: 4592-4595</p>
23. May	Edgar Serfling	Mohindar Murugesu Itsaso Montalbán	<p>Neil Warner and Gabriel Nunez MyD88: A Critical Adaptor Protein in Innate Immunity Signal Transduction J Immunol 2013 190: 3-4</p> <p>Holger Wesche, William J. Henzel, Wendy Shillinglaw, Shyun Li, and Zhaodan Cao Pillars Article: MyD88: An Adapter That Recruits IRAK to the IL-1 Receptor Complex. <i>Immunity.</i> 1997. 7: 837–847. J Immunol 2013 190: 5-15</p> <p>Marta Muzio, Jian Ni, Ping Feng, and Vishva M. Dixit Pillars Article: IRAK (Pelle) Family Member IRAK-2 and MyD88 as Proximal Mediators of IL-1 Signaling. <i>Science.</i> 1997. 278: 1612–1615. J Immunol 2013 190: 16-19</p>
30. May	No seminar due to Fronleichnam		

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6. June	Manfred Lutz	Denise Mathes Zafar Mahmood Jasmin Kungl	<p>Ethan M. Shevach The Resurrection of T Cell-Mediated Suppression. <i>J Immunol</i> 2011 186: 3805-3807</p> <p>Shimon Sakaguchi, Noriko Sakaguchi, Masanao Asano, Misako Itoh, and Masaaki Toda Pillars Article: Immunologic Self-Tolerance Maintained by Activated T Cells Expressing IL-2 Receptor α-Chains (CD25). Breakdown of a Single Mechanism of Self-Tolerance Causes Various Autoimmune Diseases. <i>J. Immunol.</i> 1995. 155: 1151–1164. <i>J Immunol</i> 2011 186: 3808-3821</p>
13. June	Thomas Kerkau	Sonja Kern Akinbami Adenugba	<p>Ronald N. Germain Uncovering the Role of Invariant Chain in Controlling MHC Class II Antigen Capture. <i>J Immunol</i> 2011 187: 1073-1075</p> <p>Paul A. Roche and Peter Cresswell Pillars Article: Proteolysis of the Class II-Associated Invariant Chain Generates a Peptide Binding Site in Intracellular HLA-DR Molecules. <i>Proc. Natl. Acad. Sci. USA.</i> 1991. 88: 3150-3154. <i>J Immunol</i> 2011 187: 1076-1080</p>
20. June	Ingolf Berberich	Jonas Hummel Julia Fischer Youngeun Yoo	<p>Selvakumar Sukumar and Mark S. Schlissel Receptor Editing as a Mechanism of B Cell Tolerance. <i>J Immunol</i> 2011 186: 1301-1302</p> <p>Denise Gay, Thomas Saunders, Sally Camper, and Martin Weigert Pillars Article: Receptor Editing: An Approach by Autoreactive B Cells to Escape Tolerance. <i>The Journal of Experimental Medicine.</i> 1993. 177: 999–1008. <i>J Immunol</i> 2011 186: 1303-1312</p> <p>Susan L. Tiegs, David M. Russell, and David Nemazee Pillars Article: Receptor Editing in Self-reactive Bone Marrow B Cells. <i>The Journal of Experimental Medicine.</i> 1993. 177: 1009–1020. <i>J Immunol</i> 2011 186: 1313-1324</p>

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27. June	Jörg Wischhusen	Hemant Joshi Kumar Maria Bieringer	Madhu Ramaswamy and Richard M. Siegel Autoimmunity: Twenty Years in the Fas Lane. J Immunol 2012 189: 5097-5100 Rie Watanabe-Fukunaga, Camilynn I. Brannan, Neal G. Copeland, Nancy A. Jenkins, and Shigekazu Nagata Pillars Article: Lymphoproliferation Disorder in Mice Explained by Defects in Fas Antigen that Mediates Apoptosis. <i>Nature.</i> 1992. 356: 314–317. J Immunol 2012 189: 5101-5104

Preparation for the Retreat

Date	Speaker	Chair	Topic
4. July	Akinbami Adenugba	Lisa Prager	The role of the cytoplasmic tail of the G glycoprotein in pneumoviral pathogenesis
	Youngeun Yoo		The role of Src tyrosine kinases in TLR-mediated activation of human myeloid cells
11. July	Thomas Nerreter	Julia Wohlfahrt	Novel pharmacological approaches to enhance anti-leukemic T cell activity
	Daniel Paletta		The variability of the invariant NKT cells
	Julia Fischer		Human HDC PBMC – method and usage in tumor research
18. July	Tobias Pusch	Nitish Gulve	The role of NFAT transcription factors in CD8+ T cell function
	Cinthia Silva		CTLA-2 as a modifier of dendritic cell-induced T cell responses
	Jonas Hummel		Human Endogenous Retroviruses as immune modulators in healthy and impaired human pregnancies
21 – 23 July	Annual Retreat		Annual Retreat