

Graduate Program Immunomodulation - Summer Semester 2017

Pillars of Immunology

| Date  | Topic   | Chair             | Student speaker   |
|---|---|-------------------|---|
| 20 <sup>th</sup> April  | Bone Marrow Cell Rejection, MHC, NK Cells, and Missing Self Recognition: Ain't That Peculiar (with Apologies to Marvin Gaye) David H. Raulet. J Immunol 2015 195: 2923-2925   ImmunoCast  | Thomas Hermann    | Collenburg, Lena  |
|   | Pillars Article: Peculiar Immunobiology of Bone Marrow Allografts: I. Graft Rejection by Irradiated Responder Mice. J Exp Med. 1971. 134: 83–102 Gustavo Cudkowicz and Michael Bennett. J Immunol 2015 195: 2926-2945   |                   | Badr, Mohammad  |
|   | Pillars Article: Peculiar Immunobiology of Bone Marrow Allografts: II. Rejection of Parental Grafts by Resistant FI Hybrid Mice. J Exp Med. 1971. 134: 1513–1528. Gustavo Cudkowicz and Michael Bennett. J Immunol 2015 195: 2946-2961                                      |                   |   |
| 27 <sup>th</sup> April <b>4:15 pm, Hörsaal Institute for Virology and Immunobiology</b> | Talk by Dr. Julia Jellusowa. Title: Integration of cell signaling with metabolism in B cells  |                   |   |
| 3 <sup>rd</sup> May <b>Wednesday, 3:00 pm</b>   | Retreat preparation   | Thomas Hünig      | Tim Steinfatt, Vishakha Tiwarekar, Katja Ottmüller          |
| 18 <sup>th</sup> May  | Retreat preparation   | Thomas Hünig      | Anna Uri, Julia Lisa Hartweg, Alina Fichtner, Badr Mohammad |
| 29 <sup>th</sup> – 31 <sup>st</sup> May   | Retreat   |                   |   |
| 8 <sup>th</sup> June  | Promiscuity Promotes Tolerance. Diane Mathis and Christophe Benoist. J Immunol 2016 196: 2913-2914   ImmunoCast   | Jörg Wischhusen   | Fichtner, Alina   |
|   | Pillars Article: Promiscuous Gene Expression in Medullary Thymic Epithelial Cells Mirrors the Peripheral Self. Nat. Immunol. 2001. 2: 1032–1039. Jens Derbinski, Antje Schulte, Bruno Kyewski, and Ludger Klein. J Immunol 2016 196: 2915-2922                              |                   | Ashour, Diyaa   |
| 22 <sup>nd</sup> June   | Seeing Is Believing: Sorting Out Signaling Events at the Immunological Synapse. Janis K. Burkhardt. J Immunol 2015 194: 4059-4060   ImmunoCast  | Niklas Beyersdorf | Uri, Anna   |
|   | Pillars Article: Three-Dimensional Segregation of Supramolecular Activation Clusters in T cells. Nature. 1998. 395: 82–86 Colin R. F. Monks, Benjamin A. Freiberg, Hannah Kupfer, Noah Sciaky, and Abraham Kupfer. J Immunol 2015 194: 4061-4065                            |                   | Karikari, Akua  |
|   | Pillars Article: The Immunological Synapse: A Molecular Machine Controlling T Cell Activation. Science. 1999. 285: 221–227 Arash Grakoui, Shannon K. Bromley, Cenk Sumen, Mark M. Davis, Andrey S. Shaw, Paul M. Allen, and Michael L. Dustin J Immunol 2015 194: 4066-4072 |                   | Qureischi, Musga  |
| 29 <sup>th</sup> June <b>3:15 pm, Hörsaal Institute for Virology and Immunobiology</b>  | Talk by Prof. Nathaniel Landau from the NYU Langone Medical Center, New York<br>Title: "Innate Host Defenses Against HIV"   |                   |   |

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|-----------------------|---|------------------------------|---------------------|
| 6 <sup>th</sup> July  | CCR7: Unifying Disparate Journeys to the Lymph Node. Gwendalyn J. Randolph. J Immunol 2016 196: 3-4   ImmunoCast  | Manfred Lutz                 | Ottmüller, Katja    |
|                       | Pillars Article: CCR7 Coordinates the Primary Immune Response by Establishing Functional Microenvironments in Secondary Lymphoid Organs. Cell. 1999. 99: 23–33. Reinhold Forster, Andreas Schubel, Dagmar Breitfeld, Elisabeth Kremmer, Ingrid Renner-Muller, Eckhard Wolf, and Martin Lipp. J Immunol 2016 196: 5-15 |                              | Hartweg, Julia Lisa |
| 13 <sup>th</sup> July | Celebrating Diversity in Memory T Cells. Susan M. Kaech. J Immunol 2014 192: 837-839  | Andreas Beilhack             | Shaikh, Haroon      |
|                       | Pillars Article: Two Subsets of Memory T Lymphocytes with Distinct Homing Potentials and Effector Functions. Nature. 1999. 401: 708–712. Federica Sallusto, Danielle Lenig, Reinhold Forster, Martin Lipp, and Antonio Lanzavecchia J Immunol 2014 192: 840-844   |                              | Steinfatt, Tim      |
|                       | Pillars Article: Preferential Localization of Effector Memory Cells in Nonlymphoid Tissue. Science. 2001. 291: 2413–2417 David Masopust, Vaiva Vezys, Amanda L. Marzo, and Leo Lefrancois. J Immunol 2014 192: 845-849  |                              | Wustrow, Michael    |
| 20 <sup>th</sup> July | Transcription Factors Directing Th2 Differentiation: Gata-3 Plays a Dominant Role. Anne OGarra and Leona Gabryšova J Immunol 2016 196: 4423-4425   ImmunoCast   | Friederike Berberich-Siebelt | Tiwarekar, Vishakha |
|                       | Pillars Article: The Transcription Factor GATA-3 Is Necessary and Sufficient for Th2 Cytokine Gene Expression in CD4 T Cells. Cell. 1997. 89: 587–596. Wei-ping Zheng and Richard A. Flavell. J Immunol 2016 196: 4426-4435   |                              | Haack, Stephanie    |
| 27 <sup>th</sup> July | FOXP3, the Transcription Factor at the Heart of the Rebirth of Immune Tolerance. Jeffrey A. Bluestone. J Immunol 2017 198: 979-980   ImmunoCast   | Thomas Hünig                 | Wiese, Teresa       |
|                       | Pillars Article: Control of Regulatory T Cell Development by the Transcription Factor Foxp3. Science 2003. 299: 1057–1061 Shohei Hori, Takashi Nomura and Shimon Sakaguchi. J Immunol 2017 198: 981-985   |                              | John, Vini          |