



## Winter Semester 2008/09 Programme

	Seminar Type	Chair	Speaker(s)	Topic
16.Oct	Distribution of papers	Thomas Herrmann	Tobias Grimm	Careers in Science Administration
23.Oct	Jobs for immunologists	Thomas Hünig	Stephan Kissler	A postdoc in the US and back – a sometimes bumpy but rewarding road
30.Oct	Jobs for immunologists	Thomas Hünig	Martin Bachmann	Immunologic research in a spin-off Biotec company
6.Nov	Jobs for immunologists	Ingolf Berberich	Martina Wolf	From selling to managing innovative therapeutics in big pharma
13.Nov	Jobs for immunologists	Thomas Hünig	Michael Tacke	Research and research administration in big pharma
20.Nov	Jobs for immunologists	Thomas Hünig	Thomas Hanke	Project scouting in the pharma industry
27.Nov	Jobs for immunologists	Thomas Hünig	Ute Hentschel	A woman's look at an academic career in science
4.Dec	Pillars of immunology	Jürgen Schneider-Schaulies	Hieu Tran-Van Susanne Köthe Kahlid Muhammad	<p><b>1. T and B lymphocytes</b> Max D. Cooper, Raymond D. A. Peterson, Mary Ann South, and Robert A. Good <b>The Functions of the Thymus System and the Bursa System in the Chicken. <i>J. Exp. Med.</i> 1966. 123: 75–102.</b></p> <p>Miller J.F. and Mitchel G.F. <b>The Thymus and the Precursors of Antigen Reactive Cells. <i>Nature</i> 1967 vol 216: 659-663.</b></p> <p>Borgulya P, Kishi H, Müller U, Kiberg J, von Boehmer H. <b>Development of the CD4 and CD8 lineage of T cells: instruction versus selection. <i>EMBO J.</i> 1991. vo. 10 no. 4: 913-918.</b></p>
11.Dec	Pillars of immunology	Thomas Hünig	Jianqiang Li Anja Matuschek Simone Riedel	<p><b>2. NK cells</b> Klas Karre, Hans Gustaf Ljunggren, Gerald Piontek, and Rolf Kiessling <b>Selective Rejection of H-2-Deficient Lymphoma Variants Suggests Alternative Immune Defence Strategy. <i>Nature</i>, 1986, 391: 675–678</b></p> <p>Franz M. Karhofer, Randall K. Ribaldo, and Wayne M. Yokoyama <b>MHC Class I Alloantigen Specificity of Ly-49 IL-2-Activated Natural Killer Cells. <i>Nature</i> 1992.</b></p>

				<p><b>358: 66–70.</b></p> <p>Jun Wu et al., Science 285, 730 (1999)  <b>An Activating Immunoreceptor Complex Formed by NKG2D and DAP10</b></p>
18.Dec	Pillars of immunology	Thomas Hünig	Christiane Hammerschmidt Katrien Pletinckx Stefanie Manthey	<p><b>3. Antigen presenting cells</b>  Kirk Ziegler and Emil R. Unanue  <b>Identification of a Macrophage Antigen-Processing Event Required for I-Region-Restricted Antigen Presentation to T Lymphocytes. <i>J. Immunol.</i> 1981. 127: 1869–1875.</b></p> <p>Ralph M. Steinman and Zanvil A. Cohn  <b>Identification of a Novel Cell Type in Peripheral Lymphoid Organs of Mice. I. Morphology, Quantitation, Tissue Distribution. <i>J. Exp. Med.</i> 1973. 137: 1142–1162.</b></p> <p>Sven Burgdorf, Christian Schölz, Andreas Kautz, Robert Tampé &amp; Christian Kurts  <b>Spatial and mechanistic separation of cross-presentation and endogenous antigen presentation. <i>Nature Immunology</i> 2008. Vol. 9, No. 5: 558-566.</b></p>
08.Jan	Pillars of immunology	Thomas Hünig	Markus Fehrholz Josip Zovko Carina Bäuerlein	<p><b>4. T cell antigen recognition and positive selection</b>  Rolf M. Zinkernagel and Peter C. Doherty  <b>Immunological Surveillance against Altered Self Components by Sensitised T Lymphocytes in Lymphocytic Choriomeningitis. <i>Nature</i>, 1974, 251: 547–548.</b></p> <p>Michael J. Bevan  <b>In a Radiation Chimaera, Host H-2 Antigens Determine Immune Responsiveness of Donor Cytotoxic Cells. <i>Nature</i> 1977. 269: 417–418.</b></p>
15.Jan	Pillars of immunology	Thomas Hünig	Anja Döhler Tessa van Alen Elisa Monzón Casanova	<p><b>5. Structural basis of antigen recognition by T cells</b>  P. J. Bjorkman, M. A. Saper, B. Samraoui, W. S. Bennett, J. L. Strominger, and D. C. Wiley  <b>The foreign antigen binding site and T cell recognition regions of class I histocompatibility antigens. <i>Nature</i> 329 (6139): 512–518 (1987)</b></p> <p>Alain R.M. Townsend, Frances M. Gotch, and John Davey  <b>Cytotoxic T cells recognize fragments of the influenza nucleoprotein Cell, Vol. 42, 457-467, Sept 1985</b></p>
22.Jan	Pillars of immunology	Thomas Hünig	Christian Brede Dajana Reuter Michaela Kruhm	<p><b>6. Antibody diversity</b>  Sydney Brenner and Cesar Milstein  <b>Origin of Antibody Variation. <i>Nature</i> 1966. 211: 242–243.</b></p> <p>N. Hozumi and S. Tonegawa  <b>Evidence for somatic rearrangement of immunoglobulin genes coding for variable and constant regions. Oct 1976 PNAS vol: 73 nr.10 (3628-3632)</b></p>

29.Jan	Pillars of immunology	Thomas Hünig	Evelyn Gassert Angela Bruder Johannes Schnitzer	<p><b>7. Central tolerance</b> G. J. V. Nossal and Beverley L. Pike <b>Evidence for the Clonal Abortion Theory of B-Lymphocyte Tolerance. <i>J.Exp. Med.</i> 1975. 141: 904–917.</b></p> <p>John W. Kappler, Neal Roehm, and Philippa Marrack <b>T Cell Tolerance by Clonal Elimination in the Thymus <i>Cell</i>, 1987, 49: 273– 280.</b></p>
05.Feb	Pillars of immunology	Thomas Herrmann	Paula Tabares Gaviria Martin Vöth Anoop Chandran	<p><b>8. Lymphocyte trafficking</b> Jonathan Sprent, Jacques F. A. P. Miller, and Graham F. Mitchell <b>Antigen-Induced Selective Recruitment of Circulating Lymphocytes. <i>Cell. Immunol.</i> 1971. 2: 171–181.</b></p> <p>W. Michael Gallatin, Irving L. Weissman, and Eugene C. Butcher <b>A Cell-Surface Molecule Involved in Organ-Specific Homing of Lymphocytes. <i>Nature</i> 1983. 304: 30–34.</b></p> <p>Lisa M. Ebert, Simone Meuter, and Bernhard Moser <b>Homing and Function of Human Skin gd T Cells and NK Cells: Relevance for Tumor Surveillance. <i>J. Immunol.</i> 2006, 176:4331-4336.</b></p>
12.Feb	Pillars of immunology	Thomas Hünig	Markus Junker Paula Römer Nicole Hassold	<p><b>9. Cytokine effects</b> Chyi-Song Hsieh, Steven E. Macatonia, Catherine S. Tripp, Stanley F. Wolf, Anne O'Garra, and Kenneth M. Murphy <b>Development of T<sub>H</sub>1 CD4<sup>+</sup> T Cells Through IL-12 Produced by <i>Listeria</i>-Induced Macrophages. 1993. <i>Science</i> 260(5107): 547–549</b></p> <p>Bruce Beutler, Ian W. Milsark, and Anthony C. Cerami <b>Passive Immunization Against Cachectin/Tumor Necrosis Factor Protects Mice from Lethal Effect of Endotoxin. <i>Science</i>, 1985, 229(4716):869–871.</b></p>