

Chapters 2 + 3: Cells and Tissues of the Immune System + Leukocyte Migration into Tissues		Student Speaker:
October 22nd, 2015		
Project Leader Chair: Andreas Beilhack		
Cells and Tissues of the Immune System (p 13 – 33)		Julia Wohlfahrt
Leukocyte Migration into Tissues (p 35 – 50)		Anna Uri
Chapter 4: Innate Immunity		Student Speaker:
October 28th, 2015		
Project Leader Chair: Manfred Lutz		
Hörsaal, Institute for Virology and Immunobiology		
Overview of Innate Immune Responses - Recognition of Microbes and Damaged Self by the Innate Immune System - Cell-associated Pattern Recognition Receptors and Sensors of Innate Immunity - Cellular Components of the Innate Immune System (p 51 - 69)		Vishakha Tiwarekar
Soluble Recognition and Effector Molecules of Innate Immunity - The Inflammatory Response -The Antiviral Response -Stimulation of Adaptive Immunity -Mechanisms that Limit Innate Responses (p 69 - 84)		Tim Steinfatt
Chapter 5: Antibodies and Antigens		Student Speaker:
November 5th, 2015		
Project Leader Chair: Thomas Kerkau		
Antibodies and Antigens (p 88 – 105)		Cinthia Silva-Vilches
Chapter 6: The Major Histocompatibility Complex Molecules and Antigen Presentation to T lymphocytes		Student Speaker:
November 12th, 2015		
Project Leader Chair: Thomas Herrmann		
Properties of Antigens recognized by T lymphocytes – Antigen capture and the functions of Antigen presenting cells - The Major Histocompatibility Complex (MHC) (p 108 – 122)		Anna Ruckdeschel
Processing of Protein Antigens – Presentation of Non-protein Antigens to Subsets of T cells (p 124 – 133)		Damiano Rovituso

Chapter 7: Immune receptors and signal transduction	November 19th, 2015	
Project Leader Chair: Edgar Serfling		Student Speaker:
An Overview of Signal Transduction -The Immune Receptor Family – The T cell Receptor Complex and T cell Signaling (first part) (p 138 – 151)		Felipe Riaño
The T cell Receptor Complex and T cell Signaling (second part) - The B lymphocyte Antigen Receptor Complex – The Attenuation of Immune Receptor Signaling - Cytokine Receptors and Signaling (p 152 – 166)		Katja Ottmüller

Chapter 8: Immune Receptors and Antigen Receptor Gene Rearrangement	November 26th, 2015	
Project Leader Chair: Thomas Hünig		Student Speaker:
Overview of Lymphocyte Development - Rearrangement of Antigen Receptor Genes in B and T Lymphocytes (p 171 – 182)		Julia Lange
B Lymphocyte Development - Maturation of T Lymphocytes (p 184 – 196)		Anika König

Chapter 9 + 10 + 11: Activation of T Lymphocytes + Differentiation and Functions of CD4+ and CD8+ Effector T Cells	December 3rd, 2015	
Project Leaders Chairs: Friederike Berberich-Siebelt		Student Speaker:
Activation of T Lymphocytes (p 199 – p 211)		Natarajaswamy Kalleda
Differentiation and Functions of CD4+ Effector T Cells (p 213 – 228)		Hemant Kumar Joshi
Differentiation and Functions of CD8+ Effector T Cells (p 231 – 238)		Vini John

Chapter 12 + 13: B cell Activation and Antibody Production + Effector Mechanisms of Humoral Immunity	December 10th, 2015	
Project Leader Chair: Ingolf Berberich		Student Speaker:
B cell Activation and Antibody Production (p 239 – 260)		Hardikkumar Jetani
Effector Mechanisms of Humoral Immunity (p 265 – 287)		Claudia Hollmann

Chapter 14: Specialized Immunity at Epithelial barriers and in Immune Privileged Tissues	December 17th, 2015	Student Speaker:
Project Leader Chair: Christine Krempf		
General Features of Immunity at Epithelial Barriers - Immunity in the Gastrointestinal System (p 289 – 302)		Julia Lange
Immunity in other Mucosal Tissues - The Cutaneous Immune System - Immune Privileged Tissues (p 304 – 310)		Lena Collenburg

Chapter 15: Immunologic Tolerance and Autoimmunity	January 7th, 2016	Student Speaker:
Project Leader Chair: Niklas Beyersdorf		
Overview of Immunologic Tolerance - T Lymphocyte Tolerance - B Lymphocyte Tolerance (p 315 – 327)		Hannes Hofmann
Tolerance Induced by Foreign Protein Antigens – Mechanisms of Autoimmunity (p 329 – 342)		Julia Wohlfahrt

Chapter 16: Immunity to Microbes	January 14th, 2016	Student Speaker:
Project Leader Chair: Jurgen Schneider-Schaulies		
Overview of Immune Responses to Microbes - Immunity to Extracellular Bacteria -Immunity to Intracellular bacteria and Immunity to Fungi (p 339 – 347)		Anna Uri
Immunity to Viruses - Immunity to Parasites and Strategies for Vaccine Development (p 348 – 356)		Vishakha Tiwarekar

Chapter 18 + 19: Immunity to Tumors + Hipersensitivity Disorders	January 21th, 2016	Student Speaker:
Project Leader Chair: Michael Hudecek		
Immunity to Tumors		Anna Ruckdeschel
Hipersensitivity Disorders		Diyaa Ashour

Chapter 17: Transplantation Immunology	January 28st, 2016	
Project Leader Chair: Stephan Mielke		Student Speaker:
General Principles of Transplantation Immunology – Adaptive Immune Responses to Allografts – Patterns and Mechanisms of Allograft Rejection (p 359 – 370)		Lucas Freund
Prevention and Treatment of Allograft Rejection – Xenogeneic Transplantation – Blood Transfusion and the ABO and Rh Blood Group Antigens – Hematopoietic Stem Cell Transplantation (p 371 – 380)		Damiano Rovituso

Chapter 20: Allergy	February 4th, 2016	
Project Leader Chair: Thomas Hünig		Student Speaker:
Overview of IgE Dependent Allergic Reactions – Production of IgE – Role of Th2 Cells, Mast Cells, Basophils, and Eosinophils in Allergic Reactions (p 417 – 427)		Felipe Riaño
IgE- and Mast Cell – dependent Reactions – Genetic Susceptibility to Allergic Disease – Allergic Diseases in Humans: Pathogenesis and Therapy – The Protective Roles of IgE- and Mast Cell-Mediated Immune Reactions (p 428 – 434)		Katja Ottmüller

Chapter 21: Congenital and Acquired Immunodeficiencies	February 11th, 2016	
Project Leader Chair: Thomas Hünig		Student Speaker:
Overview of Immunodeficiency Diseases – Congenital Immunodeficiencies (p 437 – 450)		Alina Fichtner
Acquired (secondary) Immunodeficiencies – Human Immunodeficiency Virus and the Acquired Immunodeficiency Syndrome (p 450 – 460)		Anika König

Test: 18th February 2016 at 3:00 pm