

| <b>MIC 321 Immunobiology Schedule Spring 2015</b>  |  |
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| TUESDAY  | THURSDAY   |
| January  |  |
| 13: Dr. Lichtenheld – Course Introduction incl. key differences of innate and adaptive immunity (11,12, 21 and 23)                             | 15: Dr. Khan – <b>B-cell Overview</b><br>Antibody structure and diversity (82, 91,92), B lymphocyte development (150, 151), diversity and function after antigen encounter (231-233, 237) germinal center (239-240) and immunodeficiencies |
| 20: Dr. Khan – Antibody <b>structure and diversity</b> (82 – 97)   | 22: Dr. Khan– Refining antibody <b>specificity</b> and dedicate functions (98-105)   |
| 27: Dr. Khan – B lymphocyte <b>development</b> and repertoire selection (150-168)  | 29: Dr. Khan – B lymphocyte and antibody in <b>immune response</b> (231-261)   |
| February   |  |
| 3: Dr. Khan – <b>IgE</b> -mediated immunity and allergy (401-426)  | 5: Dr. Khan – Inherited <b>immunodeficiency</b> diseases (375-384) ); Ask the Professor Exam Prep  |
| <b>10: Exam 1 (50 questions by Dr. Khan)</b>   | 12: Dr. Lichtenheld – <b>T-cell Overview</b><br>Compare antibody and TCR structure (114), recognition (121,122, 133), effector function (218-220) and development (178)  |
| 17: Dr. Lichtenheld – <b>T-cell development</b> , diversity and selection (113-119; 177-196)   | 19: Dr. Lichtenheld – <b>Antigen processing and presentation</b> (120-134)   |
| 24: Dr. Lichtenheld – <b>MHC</b> and its mechanism to generate diversity (135-145)   | 26: Dr. Lichtenheld – <b>T-cell activation</b> (199-218)   |
| March  |  |
| 3: Dr. Lichtenheld – <b>T-cell effector functions and memory</b> (218-228, 301-307)  | 5: Dr. Lichtenheld – <b>Inborn T-cell immunodeficiencies</b> (375 – 385); Ask the Professor Exam Prep  |
| <i>Spring Break</i>  |  |
| 17: <b>Exam 2 (50 questions by Dr. Lichtenheld)</b>  | 19: Dr. Bayer – <b>NK Cells</b> (pg329-347)  |
| 24: Dr. Bayer - $\gamma\delta$ T cells and $\alpha\beta$ T cell restriction (pg347-361). <b>Mucosal sites</b> (pg 267-275, up to section 10-6) | 26: Dr. Bayer- <b>Mucosal Sites</b> (pg275-291)  |
| 31: Dr. Bayer – <b>Autoimmunity</b> (pg473-492, up to section 16-12)   |  |
| April  |  |
|  | 2: Dr. Bayer – <b>Autoimmunity</b> (pg 492-505); Ask the Professor Exam Prep   |
| <b>7: Exam 3 (40 questions by Dr. Bayer)</b>   | 9: Dr. Stone – <b>Vaccines</b> (308-326)   |
| 14: Dr. Stone – <b>HIV</b> (386-394)   | 16: Dr. Stone – <b>Immune Evasion</b> (365-375)  |
| 21: Dr. Stone – <b>Transplantation</b> (433-469)   | 23: Dr. Stone – <b>Cancer</b> (509-530); Ask the Professor Exam Prep   |
| April 29 to May 6: <b>Final (40 questions by Dr. Stone plus 10 questions each by Drs. Khan Lichtenheld, Bayer and Stone)</b>                   |  |