

## Immunology Winter 2003

<u><i>Date</i></u>	<u><i>Topic</i></u>	<u><i>Readings</i></u>
<i>January 3</i>	Introduction Overview of immune system	Kuby Ch.1
<i>January 6 -10</i>	How is the immune system organized? Innate immunity: Inflammation Extravasation Complement TLR and PRR	Kuby: 2, 15, 13, & pp 69-72 Group A papers: Invertebrate immunity (January 13)
<i>January 13 - 17</i>	Immunoglobulin: Structure, interaction with antigen, and gene rearrangement	Kuby: 3, 4, & 5
<i>January 20 - 24</i>	B cells: Development, activation, and memory	Kuby: 11 Group B papers: B cell memory (January 24 <sup>th</sup> )
<i>January 27 - 31</i>	MHC: Structure and function Antigen processing & presentation	Kuby: 7 & 8
<i>February 3 - 7</i>	T cell development: MHC restriction and thymic selection, T cell activation	Kuby: 9 & 10 MHC Restriction papers (Feb. 3 <sup>rd</sup> ) Group C papers: (February 7 <sup>th</sup> )
<i>February 10</i>	<i>Mid-term Break !!!!!!!!!!!!!!!!!!!!!!!</i>	
<i>February 12-14</i>	Finish T cell activation	Kuby: Ch. 10

<i>February 17-21</i>	Cytokines & chemokines Type 1 & Type 2 responses Humoral & cellular responses CTLs and NKs	Kuby: 12 & 14 Group D papers: Smallpox vaccine and CTL response (February 24 <sup>th</sup> )
<i>February 24-26</i>	Implications of Type 1 and 2 responses: Hypersensitivity and vaccines	Kuby: 16 & 18
<i>February 28</i>	How are immune responses modulated and/or turned off?	Kuby: pp 239-243; 357-359 & 488-492 Group E papers: Exercise and immunity (March 3 <sup>rd</sup> )
<i>March 3-7</i>	Infectious disease and evasion strategies	Kuby: 17 & 19
<i>March 10</i>	Odds and ends	<i>PAPER DUE!!!!!!!!!!!!</i>

***Quiz Dates:***

Quiz 1 January 14  
 Quiz 2 January 28  
 Quiz 3 February 11  
 Quiz 4 February 25  
 Quiz 5 March 4

***Paper Discussion Dates:***

Group A January 13<sup>th</sup>  
 Group B January 24<sup>th</sup>  
 Group C February 7<sup>th</sup>  
 Group D February 24<sup>th</sup>  
 Group E March 3<sup>rd</sup>

The grading scale used to determine your final grade for the course is the following:

A	93-100	B-	80-82	D+	68-69
A-	90-92	C+	78-79	D	63-67
B+	88-89	C	73-77		
B	83-87	C-	70-72		