

**'Seminar on Inflammation' Biology 177**

**Spring 2012**

**Instructor:** Professor David Cochrane  
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Barnum 117B /617-627-3197  
Office hours: Wednesday 9:30-10:30am or by appointment

**Time:** Tuesday & Thursday 3:00-4:15 pm

**Location:** Barnum 113

**Grading:** 50% Class Participation  
50% Research Proposal  
No exams – No text

**Format:** Lecture, reading, and discussion of papers from the contemporary literature on inflammation.

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<b>January</b>	<b>19 Th</b>	Introduction to course – Overview of Inflammation
	<b>24 T</b>	Soluble Components of Inflammation – Histamine, leukotrienes, prostaglandins, nitric oxide, etc.
	<b>26 Th</b>	Discussion/papers
	<b>31 T</b>	Soluble Components – Complement, kinins, neuropeptides
<b>February</b>	<b>2 Th</b>	
	<b>7 T</b>	Discussion/papers
	<b>9 Th</b>	Soluble Components – Cytokines and chemokines
	<b>14 T</b>	Discussion/papers
	<b>16 Th</b>	Extracellular matrix proteins, adhesion molecules
	<b>21 T</b>	Cellular Components – Mast cells
	<b>23 Th</b>	<b>(Monday Schedule – no class)</b>
	<b>28 T</b>	Discussion/papers (adhesion molecules, mast cells)
<b>March</b>	<b>1 Th</b>	Cellular Components – Neutrophils and Macrophages
	<b>6 T</b>	Discussion/papers
	<b>8 Th</b>	Cellular Components – Eosinophils and Platelets
	<b>13 T</b>	Discussion/papers
	<b>15 Th</b>	Cellular Components – Endothelial Cells and Fibroblasts
	<b>17-26</b>	<b>Spring Recess</b>
	<b>27 T</b>	Discussion/papers
	<b>29 Th</b>	Healing and Wound Repair
<b>April</b>	<b>3 T</b>	Discussion/papers
	<b>5 Th</b>	Inflammatory diseases
	<b>10T</b>	Discussion/papers
	<b>12 Th</b>	Inflammatory diseases
	<b>17 T</b>	Discussion/papers
	<b>19 Th</b>	Inflammatory diseases
	<b>24 T</b>	Discussion/papers
<b>26 T</b>	Inflammatory diseases	

**Important Dates:**

**Classes end April 30<sup>th</sup>**

**Reading Period 5/1-5/3**

**Final Exams end May 11<sup>th</sup>**

**Grades due for all degree candidates 5/18**

**Bio 177 proposals due Tuesday, May 15<sup>th</sup>, 5pm.**