NEUR0010
Week 8: Somatosensory System

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Mechanoreceptors (4 types) - Small vs. large receptive fields? - Fast vs. slow adapting? - Superficial or deep? (May be useful to make a table here)	
Two-point discrimination - What does it measure? - What does it say about receptive field size?	
Smaller receptive fields = more or less acuity? More or less cortical magnification?	
Primary afferents (4 types) - What kind of information is carried by each? - Which is most myelinated? Least myelinated? - Which is fastest? Slowest?	

Dermatomes: know the order and what general areas they innervate	
DCML Pathway - What sensations does it process? - Be able to sketch the pathway - Where does it decussate?	
Give one example that cortical maps are plastic, not rigidly static.	

Phantom limb sensations: what are they, and provide a neurobiological explanation.	
Posterior parietal cortex (association areas) - What are they responsible for? - What can happen with damage to these areas?	
Define analgesia and hyperalgesia. - What is primary hyperalgesia? Secondary hyperalgesia?	

Contrast fast and slow pain. - Which fibers? - Intensity? Localization?	
Sketch the spinothalamic/anterolateral pathway for pain. Indicate structures and location of decussation. - Be able to contrast this with the DCML pathway!	

Define referred pain. What is a likely neurobiological explanation for this?	