

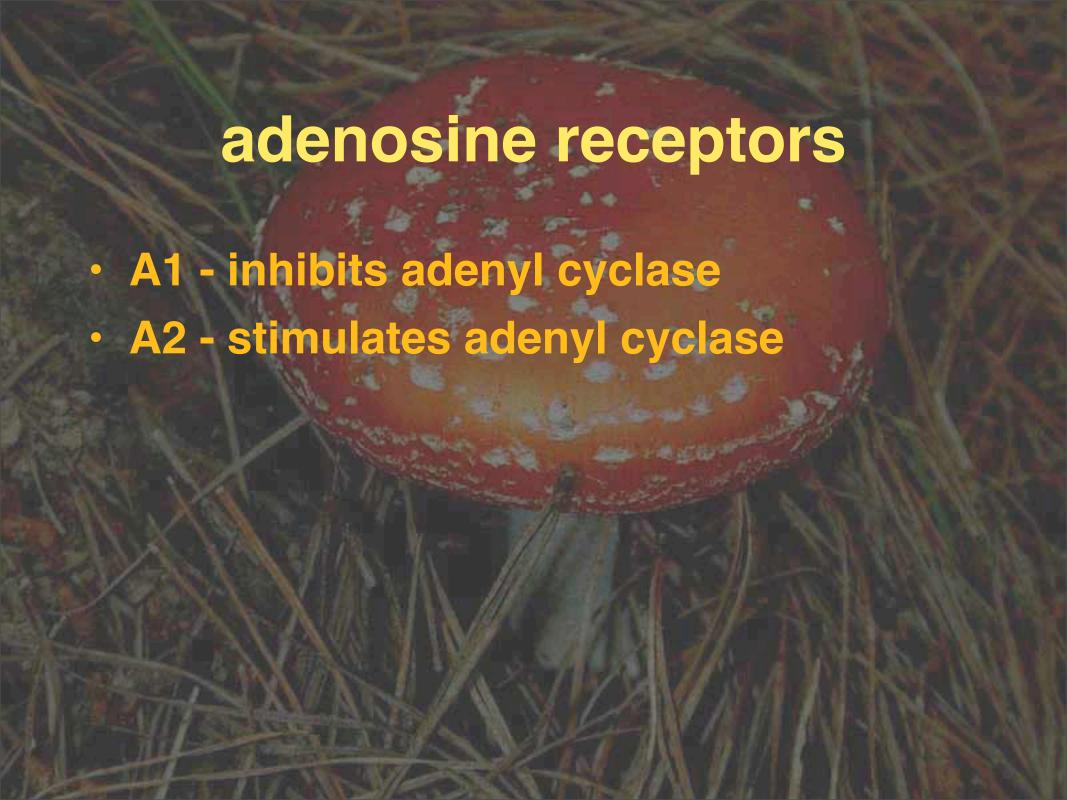
5HT receptors

- 1A CNS (autoreceptor) sleep, appetite, anxiety
- 1B CNS (autoreceptor) behavioural effects
- 1D CNS, blood vessels vasoconstriction
- 2A platelets aggregation, smooth muscle contraction
- 2B stomach contraction
- 2C choroid plexus CSF secretion
- 3 P/CNS vomiting, anxiety
- 4 gut motility
- 5A&B CNS unknown function
- 6 CNS unknown function
- 7 hypothalamus, intestine unknown function
- other receptors in slimy things

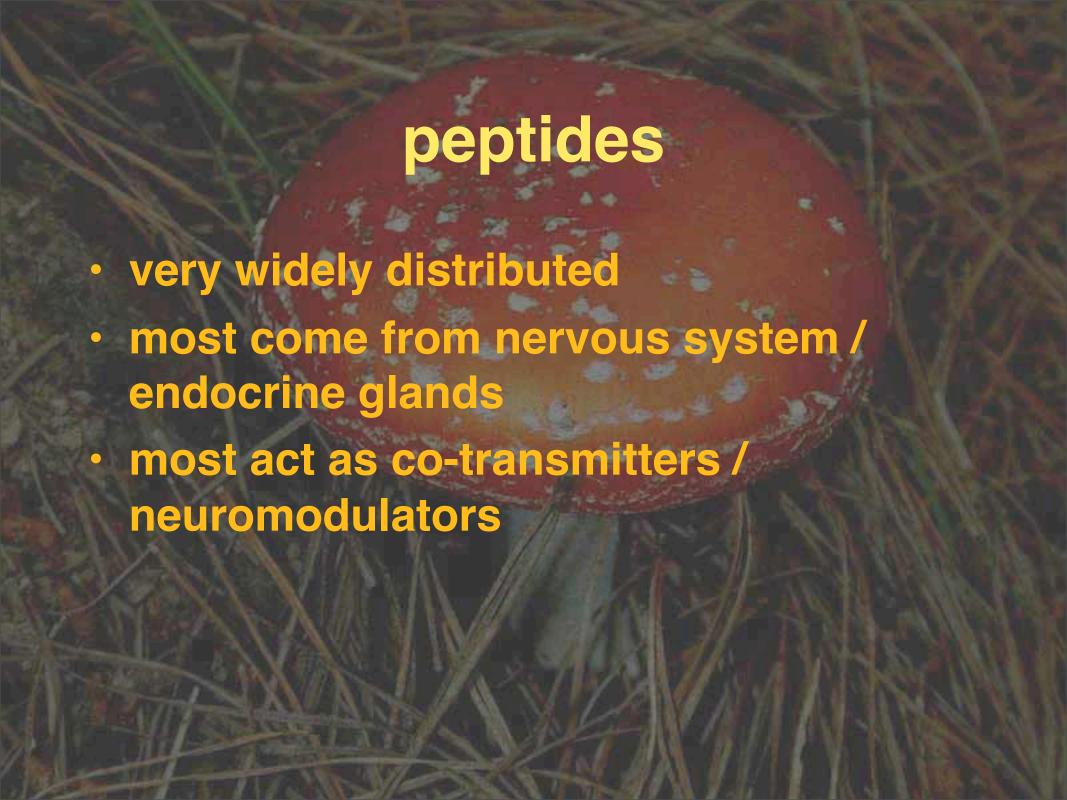
5HT drugs

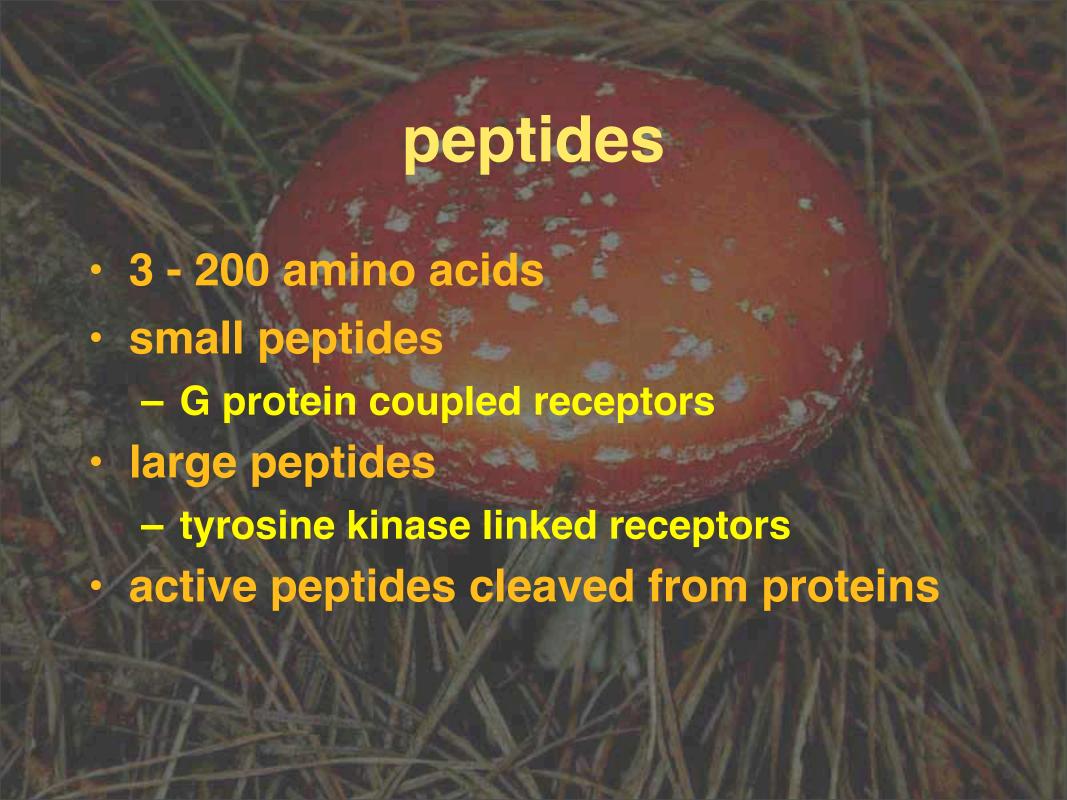
- 5HT1 ergot (antagonist)
- 5HT1A buspirone (partial agonist)
- 5HT1D sumatriptan (agonist)
- 5HT2 LSD (agonist)
- 5HT3 ondansetron (antagonist)
- 5HT4 metaclopramide, cisapride (agonist)
- uptake 1 fluoxetine (blocker)

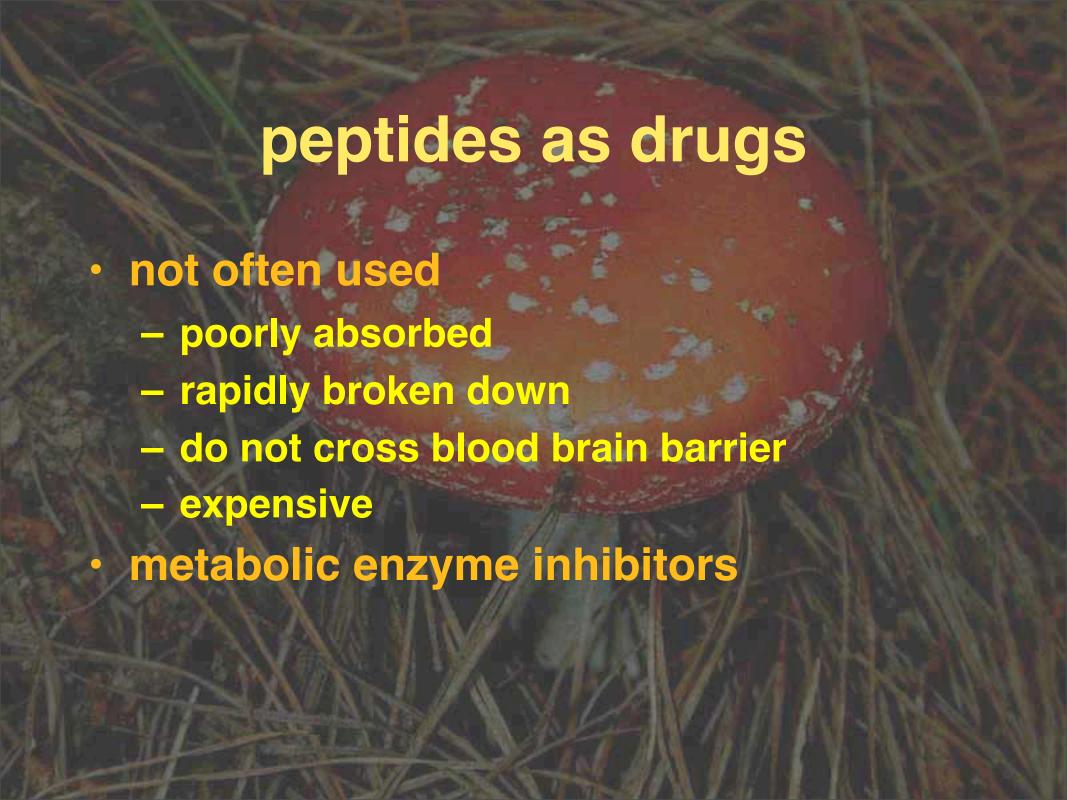


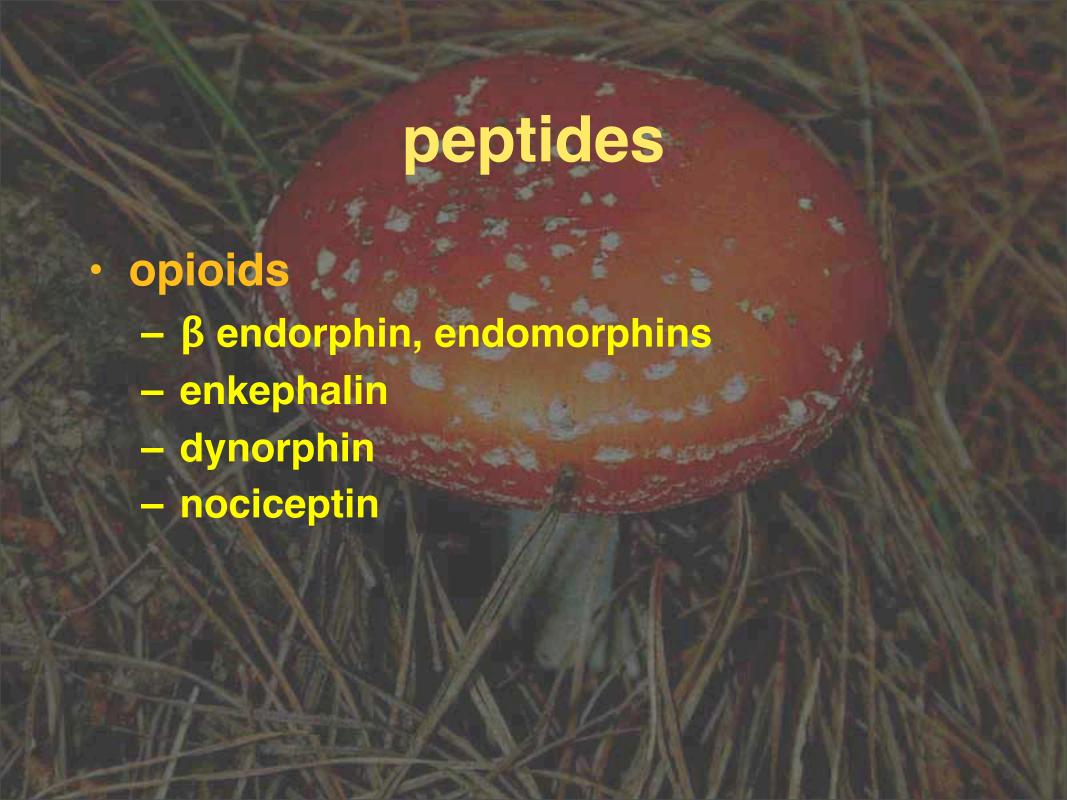


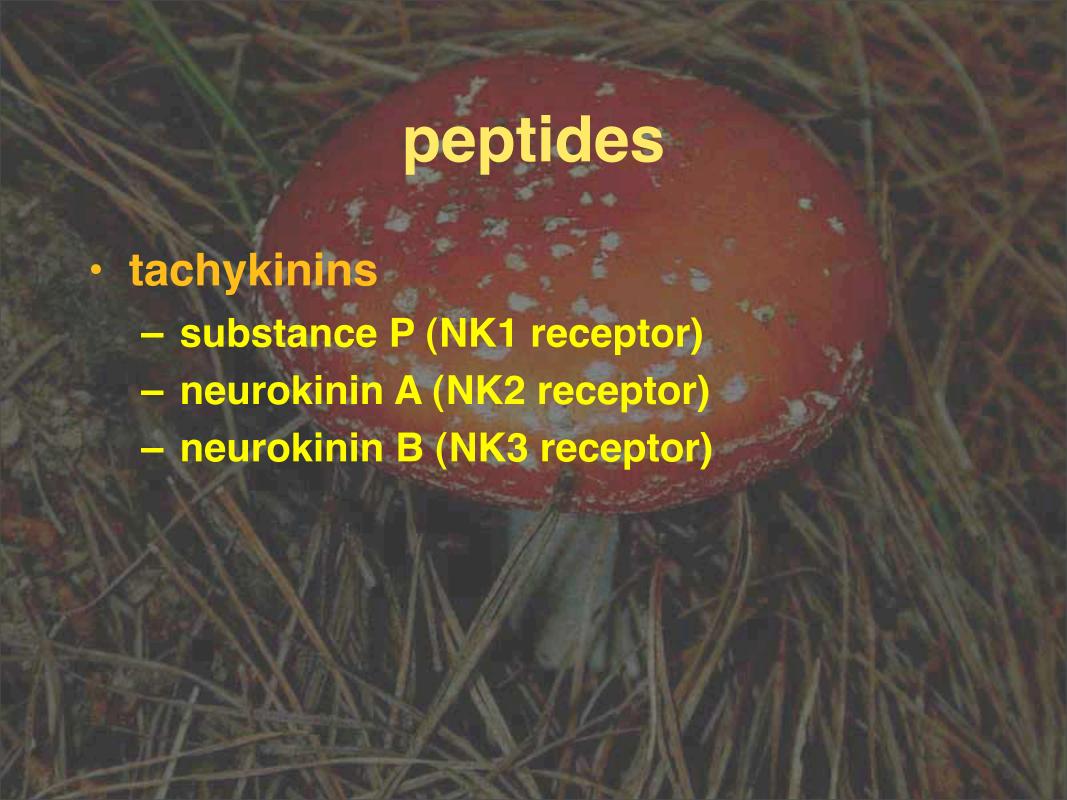






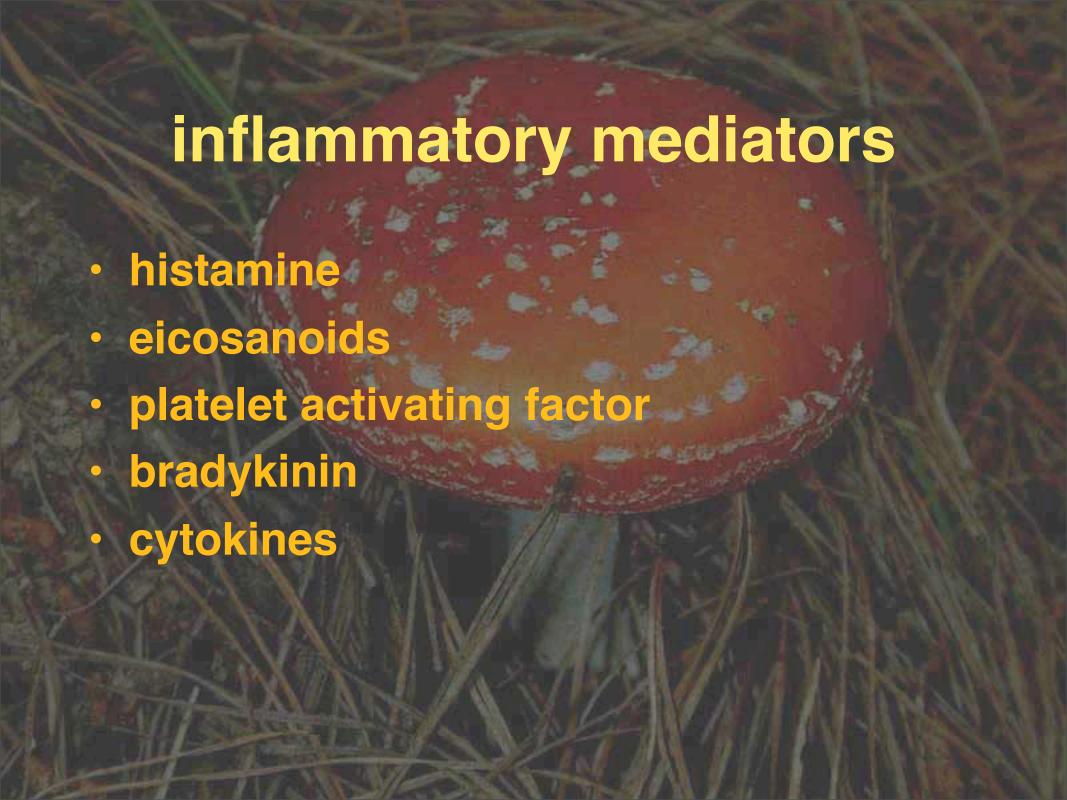


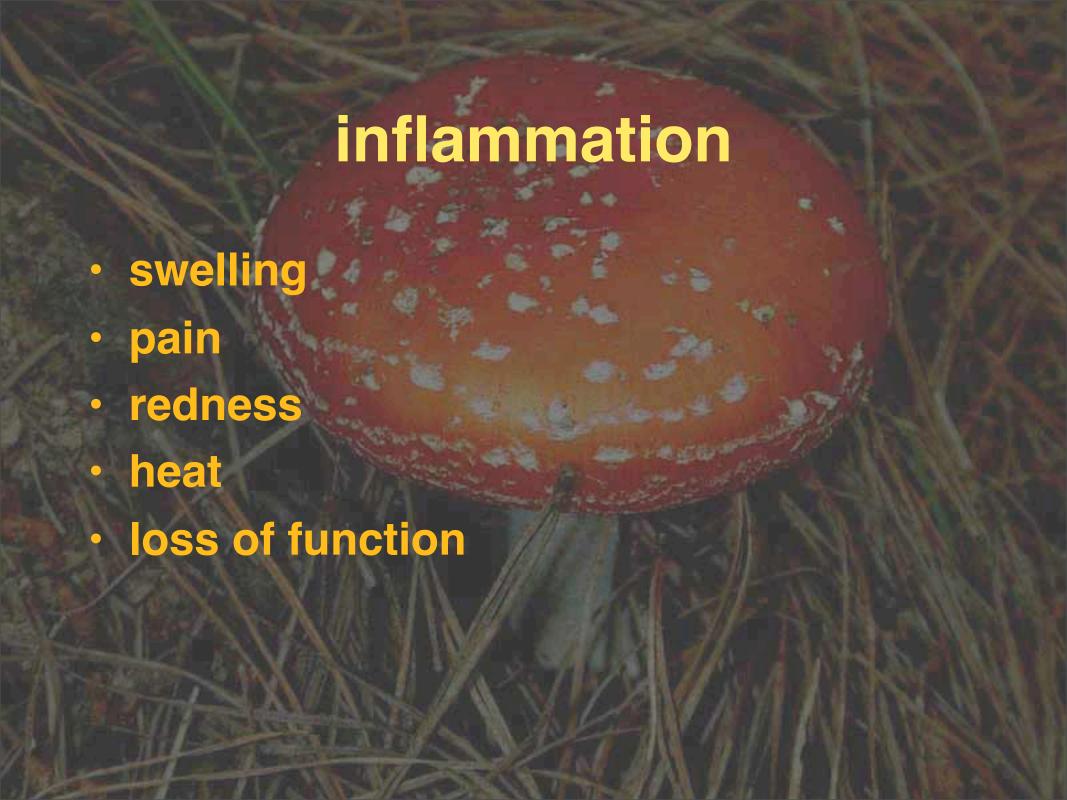


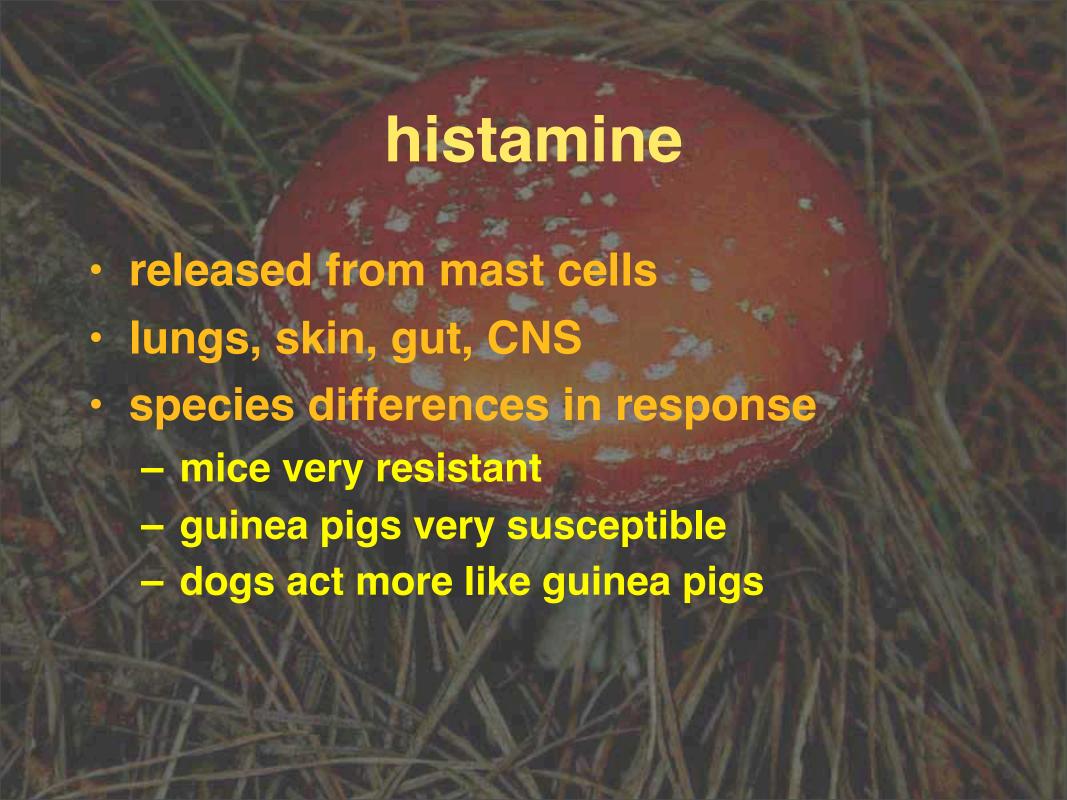












histamine receptors

- H1 skin, smooth muscle
 - antagonists commonly used
- H2 gastric parietal cells
 - antagonists block acid production
- H3 presynaptic on neurones (inhibition)
- H4??

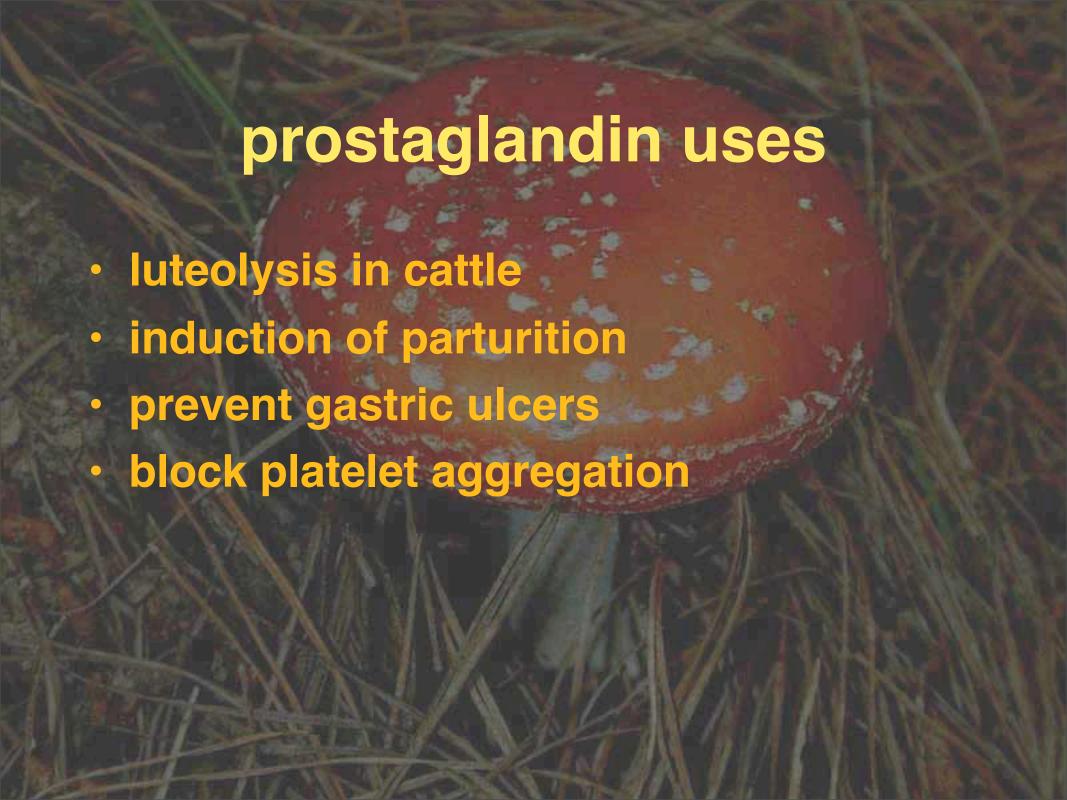


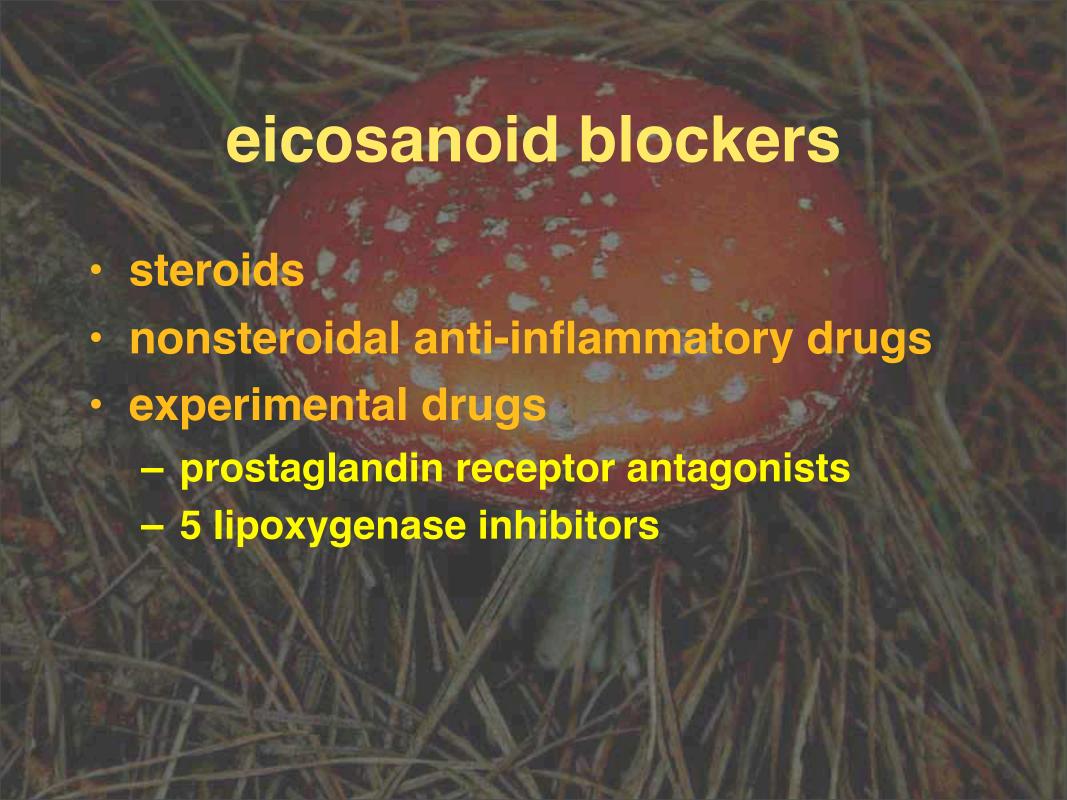


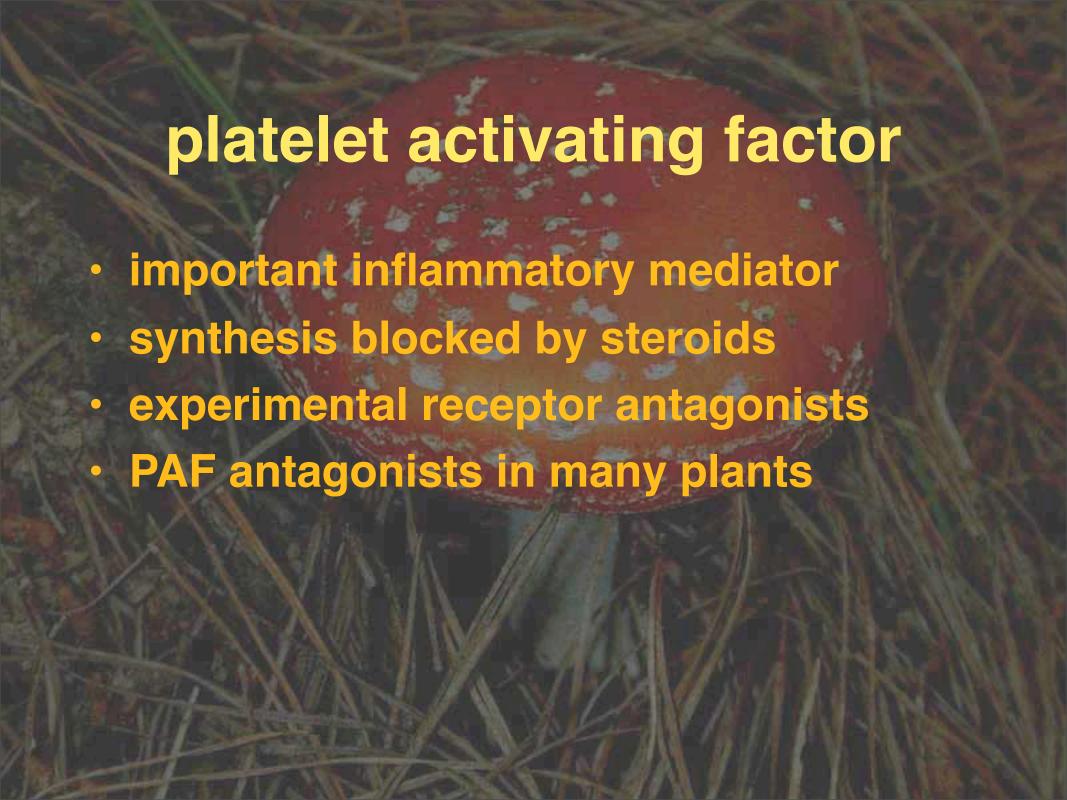






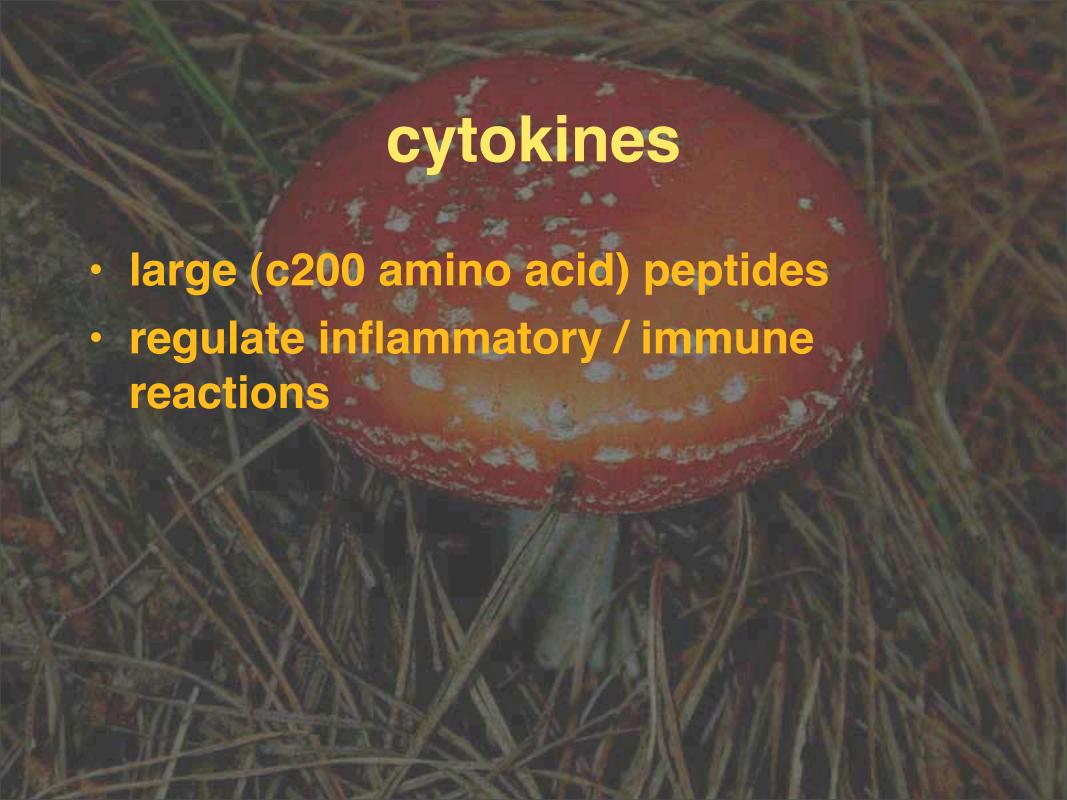


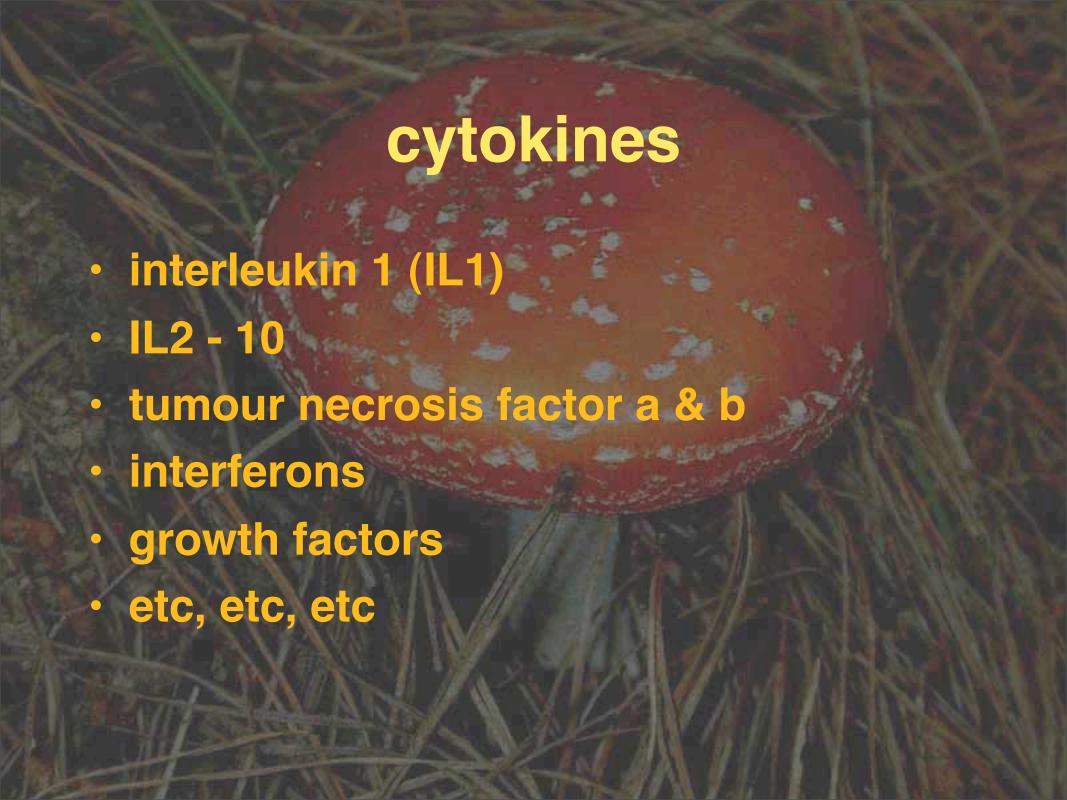


















autacoids

- autacoids are a large and important group of neuromodulators / inlammatory mediators
- rarely act alone potentiate or inhibit other transmitters
- most drugs which alter smooth muscle function or inflammation interact with autacoids
- important as CNS neuromodulators