

PSYCHOLOGY & NEUROSCIENCE



Biological Foundations of Mental Health

Week 3:

Synaptic transmission and neurotransmitter systems



Dr Jon Robbins

Topic 2: Neurotransmitters, receptors and pathways Part 1 of 4

Topic list

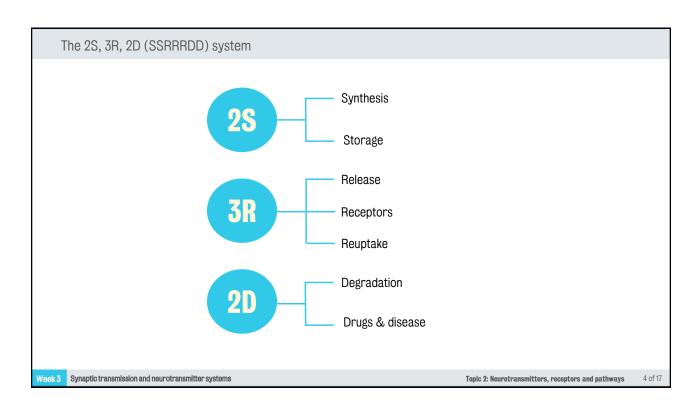


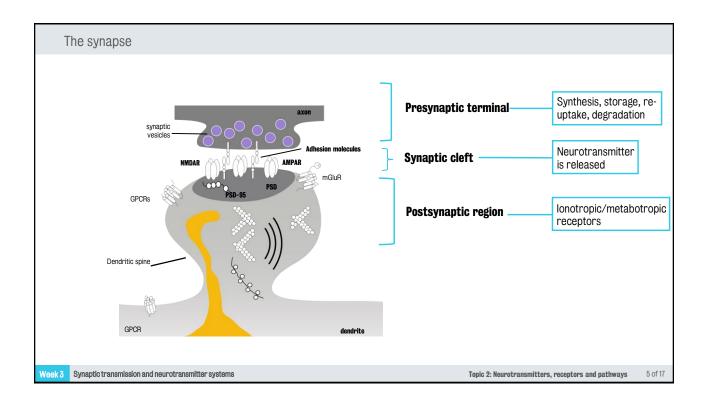
- Topic 2: Neurotransmitters, receptors and pathways

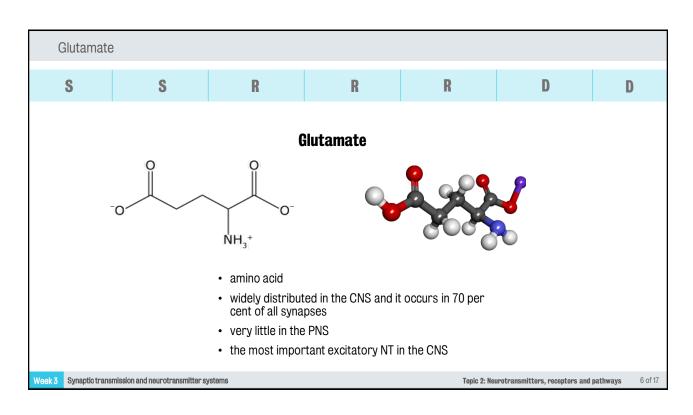
Week 3 Synaptic transmission and neurotransmitter systems

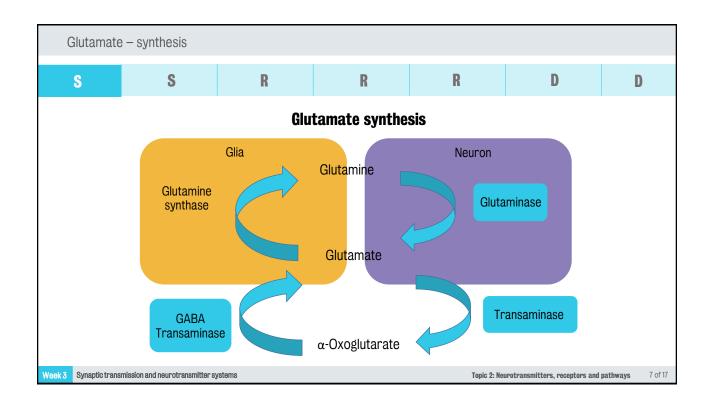
Topic 2: Neurotransmitters, receptors and pathways

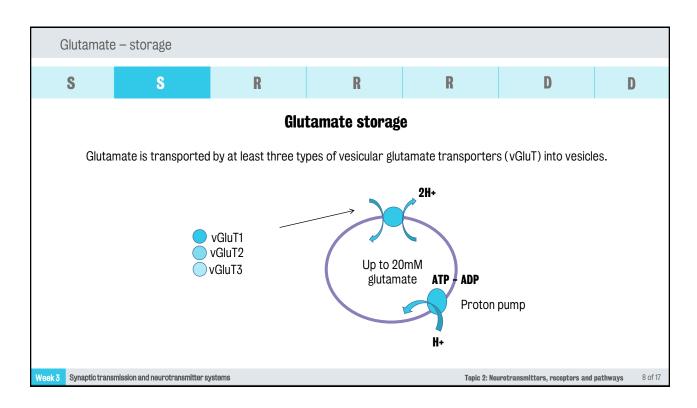


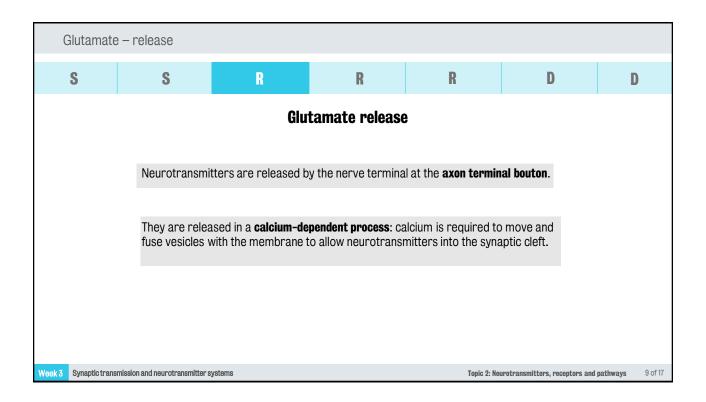


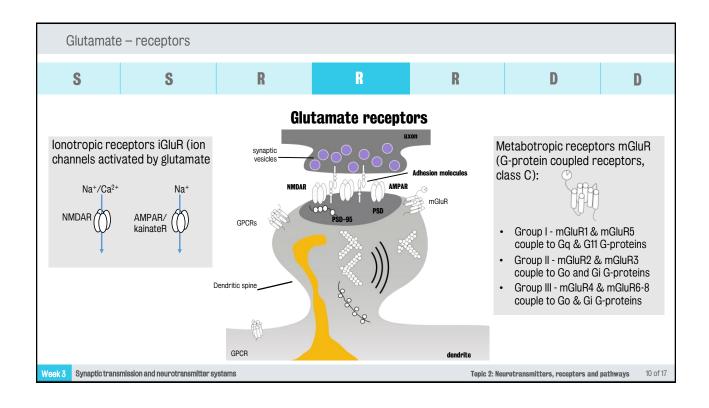


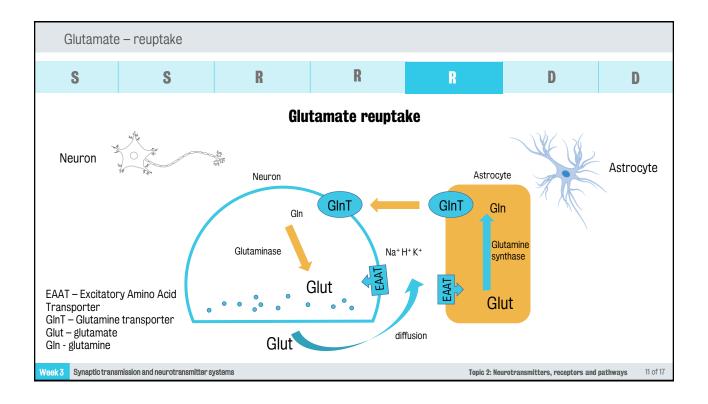


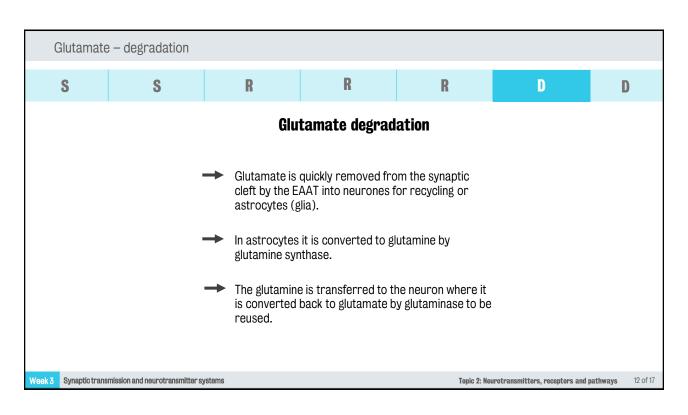


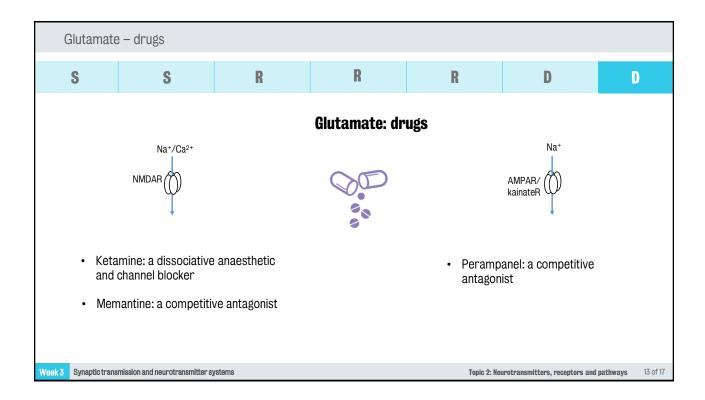


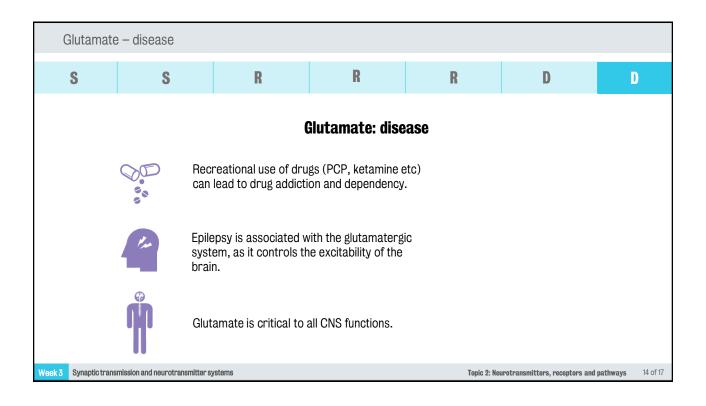












Glutamate – fact sheet

Glutamate: fact sheet

Drugs

| S | Glutaminase | - |
|---|---|----------------------|
| S | Vesicular | - |
| R | Calcium dependent at terminal | - |
| R | Iono: NMDA, AMPA, kainate; Metabo: mGluR 1-8 | Ketamine, parampanel |
| R | EAAT | - |
| D | Glutamine synthase | - |

Week:

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References

- Chapter 38 Rang et al (2016) Pharmacology 8th ed
- http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=75
- http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=40

Week

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