

Comparative Behavioural Neuroscience, Examination 21st August 2015, Duration: 2 hours

1) Describe a mechanism of antidepressant treatment other than selective serotonin reuptake inhibition. You can choose either another approved antidepressant or a drug for which there is some evidence that it has an antidepressant effect.

(Answer contributes 25 % to overall grade)

2) Combine a manipulation (e.g. genetic, environmental) and a behavioural test to produce an animal model of depression. Which brain structures underlie the behavioural changes that you observe in your model?

(Answer contributes 25 % to overall grade)

3) Describe the functions of dopamine neurotransmission in reward processing. Discuss whether changes in dopamine function might be relevant to depression.

(Answer contributes 50 % to overall grade)