

NAME:

Cellular Neurobiology 2019-20

Final Exam example

- Provide a brief definition of the following terms: (2x6p)

THERANOSTICS

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NISSL STAINING

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MORPHOLINO KNOCKDOWN

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DENDRO-DENDRITIC SYNAPSE

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VESICULAR TRANSPORTER

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FACS (Fluorescence-activated.....)

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• Answer to the following questions with a brief description (10 lines maximum) or by making a scheme:

1) Compare the features of classical and unconventional neurotransmitters (3p)

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2) How can we study mRNA sub-compartmentalization and transport? (4p)

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3) List the main steps involved in astrocyte reaction (astrocytosis/astrogliosis) with a brief description (3p)

- Please describe and comment the following figure related to the induction of genetic mutants in zebrafish (4p)


