

NENS Course on Developmental Neurobiology

First week

Time	Monday, February 3	Tuesday, February 4	Wednesday, February 5	Thursday, February 6	Friday, February 7
9:00-13:00	Laboratory stay Cajal Institute	Laboratory stay Cajal Institute	Laboratory stay Cajal Institute	Laboratory stay Cajal Institute	Laboratory stay Cajal Institute
15,00-16,00	Course introduction. Room: Seminario 4 Faculty of Medicine (UAM)	T3. Global aspects of celular differentiation and histogenesis mechanisms of the nervous system. Room: Seminario 4 Faculty of Medicine (UAM)	T7. Neural crest as origin of the peripheral nervous system: induction and generation. Room: Seminario 4 Faculty of Medicine (UAM)	T11. Neuronal migration. Room: Seminario 4 Faculty of Medicine (UAM)	T15. Growth and axonal guide: basic concepts. Room: Seminario 4 Faculty of Medicine (UAM)
16,00-17,00	T1. Temporal course and comparative aspects of nervous system organogenesis. Room: Seminario 4 Faculty of Medicine (UAM)	T4. Induction of the neural plate, regionalization and morphogenesis. Room: Seminario 4 Faculty of Medicine (UAM)	T8. Neural crest as origin of the peripheral nervous system: migration and differentiation. Room: Seminario 4 Faculty of Medicine (UAM)	T12. Cerebral cortex development. Room: Seminario 4 Faculty of Medicine (UAM)	T16. Growth and axonal guide: new mechanisms. Room: Seminario 4 Faculty of Medicine (UAM)
17,00-18,00	T2. Global aspects of celular differentiation and histogenesis mechanisms of the nervous system. Room: Seminario 4 Faculty of Medicine (UAM)	T5. Regionalization of the brain. Room: Seminario 4 Faculty of Medicine (UAM)	T9. Control of neural precursors proliferation and neurogenesis. Room: Seminario 4 Faculty of Medicine (UAM)	T13. Mechanisms of acquisition of morphological and functional polarity of neurons. Room: Seminario 4 Faculty of Medicine (UAM)	T17. Development of networks in the cerebral cortex: dendrites, spines and axon. Room: Seminario 4 Faculty of Medicine (UAM)
18.00-19.00		T6. Regionalization of the spinal cord and rhombencephalon. Room: Seminario 4 Faculty of Medicine (UAM)	T10. Cell death during nervous system development. Room: Seminario 4 Faculty of Medicine (UAM)	T14. The initial segment of the axon: Mechanisms of formation and modulation of neuronal excitability. Room: Seminario 4 Faculty of Medicine (UAM)	T18. Sensory systems: Ear development. Room: Seminario 4 Faculty of Medicine (UAM)

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Second week

Time	Monday, February 10	Tuesday, February 11	Wednesday, February 12	Thursday, February 13	Friday, February 14
12,00-14,00			Laboratory stay report Cajal Institute		Exam Cajal Institute
15,00-16,00	T19. Sensory systems: Eye development. Room: Seminario 4 Faculty of Medicine (UAM)	T23. Differentiation of oligodendrocytes. Myelination. Room: Seminario 4 Faculty of Medicine (UAM)	Seminar: To be announced Cajal Institute	Practical course Group I Room: Laboratorio C16 Faculty of Medicine (UAM)	Practical course Group I Room: Laboratorio C16 Faculty of Medicine (UAM) 15:30-17:30
16,00-17,00	T20. Differentiation and neural specification in the olfactory bulb I. Room: Seminario 4 Faculty of Medicine (UAM)	T24. Myelination of the peripheral nervous system. Room: Seminario 4 Faculty of Medicine (UAM)			
17,00-18,00	T21. Differentiation and neural specification in the olfactory bulb II. Room: Seminario 4 Faculty of Medicine (UAM)	T25. Neurogenesis in the adult nervous system: role of neural stem cells. Room: Seminario 4 Faculty of Medicine (UAM)		Practical course Group II Room: Laboratorio C16 Faculty of Medicine (UAM)	Practical course Group II Room: Laboratorio C16 Faculty of Medicine (UAM) 17:30-19:30
18.00-19.00	T22. Drosophila nervous system development. Room: Seminario 4 Faculty of Medicine (UAM)	T26. Contribution of Adult Neurogenesis to Animal Behavior. Room: Seminario 4 Faculty of Medicine (UAM)			