NENS Course on Developmental Neurobiology

First week. **Activities will take place at Cajal Institute and Faculty of Medicine (UAM): Seminario 4 or Laboratorio C16 Rooms**

Time	Monday, January 31	Tuesday, February 1	Wednesday, February 2	Thursday, February 3	Friday, February 4
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. **Aixa Morales** **Jose Mª Frade** **Sergio Casas**	T4. Induction of the neural plate, regionalization, and morphogenesis. **Ruth Diez del Corral**	T7. Neural crest as origin of the peripheral nervous system: induction and generation. **Aixa Morales**	T11. Neuronal polarity and axon initial segment. **Juan José Garrido**	T15. Axonal growth and axonal guide: basic concepts. **Juan Antonio Moreno** **15,30-16,30**
16,00-17,00	T1. Anatomical basis of embryonic development. **Francisco Clascá**	T5. Regionalization of the spinal cord and rhombencephalon. **Ruth Diez del Corral**	T8. Neural crest as origin of the peripheral nervous system: migration and differentiation. **Aixa Morales**	T12. Development of the cerebral cortex: Projection neurons **Marta Nieto**	T16. Axonal growth and axonal guide: new mechanisms. **Juan Antonio Moreno** **16,30-17,30**
17,00-18,00	T2. Animal models used in Developmental Biology. **Juan José Sanz Ezquerro**	T6. Brain regionalization. **Pilar Esteve**	T9. Control of proliferation neural precursors and neurogenesis. **José Mª Frade**	T13. Development of the cerebral cortex: dendrites, spines and axon. **Marta Nieto**	T17. Sensory systems: Inner ear development. **Fernando Giráldez** **17,30-18,30**
18.00-19.00	T3. Signaling pathways in embryonic development. **Juan José Sanz Ezquerro**		T10. Cell death during nervous system development. **José Mª Frade**	T14. Sexual differentiation of the nervous system **Esther Serrano**	**Brainshake session.** Science and belief: from Plato to post-truth **Fernando Giráldez** **18,30-19,30**

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Second week. **Activities will take place at Cajal Institute and Faculty of Medicine (UAM): Seminario 4 or Laboratorio C16 Rooms**

Time	Monday, February 7	Tuesday, February 8	Wednesday, February 9	Thursday, February 10	Friday, February 11
12,00-14,00			**Laboratory stay report** **Cajal Institute**		**Exam (NENS students)** **Cajal Institute** **11:00- 12:00**
15,00-16,00	T18. Sensory systems: Eye development. **Alicia Mansilla**	T22. Differentiation of oligodendrocytes. Myelination. **Fernando de Castro**	**Seminar:** **Cristina Pujades (U. Pompeu Fabra)** Title to be announced **Cajal Institute**	Practices Group I Drosophila model for Developmental Neurobiology **Room: Laboratorio C16 Faculty of Medicine (UAM)**	Practices Group I Chicken model for Developmental Neurobiology **Room: Laboratorio C16 Faculty of Medicine (UAM)** **15:30-17:30**
16,00-17,00	T19. Differentiation and neural specification in the olfactory bulb . **María Figueres**	T23. Myelination of the peripheral nervous system. **José Miguel Cosgaya**			
17,00-18,00	T20. Drosophila nervous system development I. **Sergio Casas**	T24. Neurogenesis in the adult nervous system: role of neural stem cells. **Carlos Vicario**		Practices Group II Drosophila model for Developmental Neurobiology **Room: Laboratorio C16 Faculty of Medicine (UAM)**	Practices Group II Chicken model for Developmental Neurobiology **Room: Laboratorio C16 Faculty of Medicine (UAM)** **17:30-19:30**
18.00-19.00	T21. Drosophila nervous system development II. **Sergio Casas**	T25. Cell reprogramming and cell regeneration in the nervous system. **Sergio Gascón**			