

Developmental Biology II. (Principles of regenerative medicine) 2023/24 (spring semester)

Director of course: Prof. Nándor Nagy

Code: AOVANT834_2M **Credit points:** 2 **Type of course:** elective

Place and time of course: Huzella Auditorium in the Department of Anatomy, Histology and Embryology (Túzóltó u. 58), second floor, every Thursday, 16:30-18:00.

1. Neural stem cells I: Neural crest cells
15th February (Nandor Nagy)
2. Neural stem cells II: pattern formation of neural tube, stem cells in the CNS
22th February (Krisztina Herbert-Minkó)
3. Neural stem cells III.: neural crest: Development of the enteral nervous system, congenital diseases.
29th February (Nándor Nagy)
4. Neural stem cells IV: Cranial neural crest and congenital skull malformations
07th March (Nándor Nagy)
5. Vasculogenesis, angiogenesis, hemopoiesis
14th March (Nándor Nagy)
6. Stem cells of the trunk: somitogenesis, paraxial mesoderm development
21th March (Dávid Dóra)
7. Epithelial-mesenchymal interaction in lung and glands development
28th March (Katalin Kocsis)
8. Intestinal stem cells: theoretical and therapeutic importance
04th April (Viktoria Halasy)
9. Epidermal stem cells: theoretical and therapeutic importance
11st April (Nora Pecsénye-Fejszák)
10. Thymus development and congenital anomalies
18th April (Ildikó Bódi)
11. Development of kidney
25th April (Nándor Nagy)
12. Limb development and malformations
02th May (Nándor Nagy)
13. Stem cells in vitro (neurosphere technique). Organoids and they place in regenerative medicine
09th May (Ádám Soós, Emőke Szócs)
14. Development of pancreas and liver
16th May (Katalin Kocsis)