

Developmental Biology II. (Principles of regenerative medicine) 2022/23 (spring semester)

Director of course: Nándor Nagy, PhD

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
16th February (Nándor Nagy)
2. Neural stem cells II: pattern formation of neural tube, stem cells in the CNS
23th February (Krisztina Herberth-Minkó)
3. Neural stem cells III.: neural crest: Development of the enteral nervous system, congenital diseases.
02nd March (Nándor Nagy)
4. Neural stem cells IV: Cranial neural crest and congenital skull malformations
09th March (Nándor Nagy)
5. Vasculogenesis, early hemopoiesis and its molecular regulation
16th March (Krisztina Herberth-Minkó)
6. Stem cells of the trunk: somitogenesis, paraxial mesoderm development
23rd March (Dávid Dóra)
7. Epithelial-mesenchymal interaction in lung and glands development
30th March (Katalin Kocsis)
8. Intestinal stem cells: theoretical and therapeutic importance
06th April (Viktória Halasy)
9. Epidermal stem cells: theoretical and therapeutic importance
13st April (Nóra Pecsénye-Fejszák)
10. Development of kidney
20th April (Nándor Nagy)
11. Thymus development and congenital anomalies
27th April (Ildikó Bódi)
12. Limb development and malformations
04th May (Nándor Nagy)
13. Stem cells in vitro (neurosphere technique). Organoids and they place in regenerative medicine
11th May (Ádám Soós, Emőke Szócs)
14. Development of pancreas and liver
18th May (Katalin Kocsis)