Developmental Biology II. (Principles of regenerative medicine)
2025/26 (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, every Thursday, 16:30-18:00. (ZOOM)

1. Intestinal stem cells: theoretical and therapeutic importance
   19th February (Viktoria Halasy)

2. Epidermal stem cells: theoretical and therapeutic importance
   26st February (Nora Pecsenye-Fejszák)

3. Introduction to principles of regenerative medicine
   5th of March (Nandor Nagy)

2. Neural stem cells I: Neural crest cells
   12th of March (Nandor Nagy)

3. Neural stem cells II: neural crest: Development of the enteric nervous system, congenital diseases.
   19th of March (Nándor Nagy)

4. Neural stem cells III: Cranial neural crest and congenital skull malformations
   26th of March (Nándor Nagy)

5. Vasculogenesis and angiogenesis
   2nd of April (Nándor Nagy)

6. Somitogenesis, paraxial mesoderm development
   9th of April (Nandor Nagy)

7. Epithelial-mesenchymal interaction in lung and gland development
   16th of April (Katalin Kocsis)

8. Limb development and malformations
   23rd of April (Nándor Nagy)

11. Development of the kidney
    30th of April (Nándor Nagy)

12. Stem cells in vitro (neurosphere technique)
    7th of April (Ádám Soós)

13. Organoids and they place in regenerative medicine
    7th May (Emőke Szőcs)

14. Development of pancreas and liver
    15th May (Katalin Kocsis)