

TEMATICA

concursului pentru ocuparea postului de doctorand

Disciplina Biologie Celulara, Moleculara Histologie

1. Membrana celulara : organizare moleculara, functii, specializari de suprafata, jonctiuni intercelulare, receptori si sisteme de mesageri secunzi.
2. Nucleul: structura, ultrastructura, organizare nucleara, functii.
3. Organite citoplasmatic: mitocondria, complex Golgi, reticul endoplasmic, lizozomi, peroxizomi, citoschelet.
4. Tesut epitelial: epiteli de acoperire, epiteli glandulare.
5. Tesutul conjunctiv: celulele conjunctive, matricea extracelulara.
6. Tesut muscular: neted, striat, scheletic, cardiac.
7. Maduva osoasa hematogena: hematopoieza.
8. Organe limfoide : ganglion limfatic, splina, timus, amigdale.
9. Aparat cardiovascular : endocardul, pericardul, miocardul, artere, vene, capilare.
10. Aparatul excretor : rinichi - structura generala, nefron, tubii uriniferi, bariera de filtrare, ureter, vezica urinara.

Bibliografie

- Anthony Mescher, **Junqueira's Basic Histology**: Text and Atlas, Ed. Lange, Ed. 13, 2013; Ed. 12, 2009; Ed. 11 (in lb. romana), 2008
- William K. Ovalle PhD and Patrick C. Nahirney **Netter's Essential Histology**, Ed. Elsevier, Ed. 1, 2008; Ed 2, 2013
- Michael H. Ross PhD and Wojciech **Histology: A Text and Atlas**, Ed. Lippincott, Williams, Wilkins, Ed. 6, 2010
- Don Fawcett, Ronald Jensh, Bloom and Fawcett: **Concise Histology**, Ed. Arnold, 2002
- Alberts B, Johnson A, Lewis J, Raff M, Roberts K, Walter P, **Molecular Biology of the Cell**, ed. 5, Garland Science.
- Pollard TD, CW Earnshaw, **Cell Biology** ed. 2, Saunders Elsevier, 2008

