

Selected publications of Assoc. Prof. Maya Markova

- Nikolova V., R. Zhivkova, M. Markova, T. Topouzova-Hristova, A. Mitkova, S. Delimitreva (2012). Characterization of mouse oocytes and oocyte-cumulus complexes extracted for nuclear matrix and intermediate filaments (NM-IF). *Acta Morph. Anthropol.* 19: 149-152.
- Markova M., V. Nikolova, L. Chakalova, S. Salieva, Ts. Marinova (2012). Reconstruction and explanation of early artifactual microscopic observations of sperm tail. *Acta Morph. Anthropol.* 18: 54-59.
- Nikolova V., I. Chakarova, R. Zhivkova, M. Markova, R. Dimitrov, S. Delimitreva (2012). Comparison of in vitro matured oocytes from two inbred mouse strains of their F1 hybrids. *Ембриология*, т. 7, бр. 1: 10-14.
- Markova M.D., V.P. Nikolova, Ts.Ts. Marinova (2011). Observations of interface between tail microtubules and outer dense fibers in human necrozoospermic spermatozoa. *JBCR (Pleven)* 4, No. 2: 82-85.
- Marinova Ts.Ts., L.D. Spassov, M.D. Markova, V.I. Vlassov, R.S. Dzhupanova, L.T. Belenska, L. Aloe (2011). Nerve growth factor (NGF) immunoreactivity modulation of mast cells in the thymus of subjects with myasthenia gravis. *JBCR (Pleven)* 4, No. 2: 86-89.
- Nikolova V., S. Delimitreva, R. Zhivkova, I. Chakarova, D. Dimitrova, M. Markova (2011). Cytoskeletal changes during mouse oocyte maturation revealed by a variation of nuclear matrix and intermediate filaments (NM-IF) extraction. *CR Acad. Bulg. Sci.* 64, No. 11: 1571-1576.
- Marinova T.T., L.D. Spassov, V.I. Vlassov, V.V. Pashev, M.D. Markova, V.S. Ganev, R.S. Dzhupanova, D.N. Angelov (2009). Aged human thymus Hassall's corpuscles are immunoreactive for IGF-I and IGF-I receptor. *Anat. Rec.* 292: 960-965.
- Markova M., Ts. Marinova (2008). Missing single or double peripheral microtubules in amniote axonemes. *Acta Morph. Anthropol.* 13: 64-66.
- Markova M., Ts. Marinova (2007). Extraction resistance of mammalian sperm axonemal microtubules. *Acta Morph. Anthropol.* 12: 32-36.
- Marinova Ts., M. Markova, L. Aloe (2006). NGF overexpression and distribution in cortical thymic epithelial cells of mice with experimentally induced leukemia. *In Vivo* 20: 259-264.
- Markova M.D. (2004). Electron microscopic observations of human sperm whole-mounts after extraction for nuclear matrix and intermediate filaments (NM-IF). *Int. J. Androl.* 27: 291-295.
- Markova M.D., R.S. Zhivkova (2003). Possible cytoskeletal structures of rainbow trout sperm revealed by electron microscopic observation after detergent extraction. *Anim. Reprod. Sci.* 79: 127-132.
- Markova M. (2003). Details of human sperm head ultrastructure observed on whole-mounts after extraction for nuclear matrix and intermediate filaments (NM – IF). Medical University of Sofia, 85th Anniversary of the Department of Anatomy and Histology – Anatomical Collection (Eds. W.Ovtcharoff, A. Bozhilova-Pastirova, D. Brazitzova): 57.

- Markova M.D., T.T. Marinova, I.T. Vatev (2002). Asymmetric vimentin distribution in human spermatozoa. Fol. Biol. 48: 160-162.
- Markova M.D. (2001). Electron microscopic observations of mouse sperm whole mounts after extraction for nuclear matrix and intermediate filaments. Arch. Androl. 47: 37-45.
- Markova M.D., T.T. Marinova (1999). EGF receptor-like determinants on human spermatozoa and their possible cytoskeletal association. Fol. Biol. 45: 143-145.
- Delimitreva S., M. Markova, R. Zhivkova (1999). Optimal metaphase plate preparation in mouse oocytes requires specific conditions for spindle disintegration. CR Acad. Bulg. Sci. 52, No. 7-8: 105-108.
- Marinova Ts.Ts., M.D. Markova (1998). Distribution of an N-terminal alpha-tubulin epitope in human spermatozoa. CR Acad. Bulg. Sci. 51, No. 3-4: 115-118.
- Marinova Ts., M. Markova, R. Stanislavov (1997). Detection and localization of vimentin in immotile human spermatozoa (immunocytochemical study). CR Acad. Bulg. Sci. 50, No. 3: 123-126.
- Marinova Ts.Ts., M.D. Markova, R.K. Stanislavov (1996). Distribution of vimentin in abnormal human spermatozoa. Andrologia 28: 287-289.