

Associate professor Stefka Delimitreva, PhD

Selected publications

- S. Delimitreva, R. Zhivkova, I. Vatev. Supernumerary human preembryos provide potential for preimplantation genetic diagnosis. *Folia Biologica (Praha)*, 47, 2001, 88-81.
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- Delimitreva S, Zhivkova R, Isachenko E, Umland N, Nayudu PL. Meiotic abnormalities in in vitro-matured marmoset monkey (*Callithrix jacchus*) oocytes: development of a non-human primate model to investigate causal factors. *Hum Reprod* (2006) 21, 240-7.
- Zhivkova RS, S. Delimitreva, D. Toncheva, I. Vatev. Analysis of human unfertilized oocytes and pronuclear zygotes – correlation between chromosome / chromatin status and patient-related factors. *Eur J Obstet Gynecol Reprod Biol* (2007) 130, 73-83.
- O.Y. Tkachenko, S. Delimitreva, E. Isachenko, R.R.Valle, H.W. Michelmann, A. Berenson, P.L. Nayudu. Epidermal growth factor effects on marmoset monkey (*Callithrix jacchus*) oocyte IVM, IVF and embryo development are altered by gonadotrophin concentration during oocyte maturation. *Hum Reprod* (2010) 25(8):2047-2058.
- Zhivkova RS, S. Delimitreva, D. Toncheva, I. Vatev. Chromatin quality as a crucial factor for success of Fluorescent *In Situ* Hybridization analyses of unfertilized oocytes, polar bodies and arrested zygotes. *Balkan Journal of Medical Genetics* (2010) 13, 1, 1-8.
- V. Nikolova, S. Delimitreva, R. Zhivkova, I. Chakarova, D. Dimitrova, M. Markova. Cytoskeletal changes during mouse oocyte maturation revealed by a variation of nuclear matrix and intermediate filament (NM-IF) extraction. *Comptes rendus de l'Academie bulgare des Sciences* (2011) 64, 11, 1571-76.
- V. Nikolova, I. Chakarova, R. Zhivkova, M. Markova, R. Dimitrov, S. Delimitreva. Comparison of in vitro matured oocytes from two inbred mouse strains and their F1 hybrids. *Embryology* (2012) 7, 1, 10-14.
- S. Delimitreva , O.Y. Tkachenko, A. Berenson, P.L. Nayudu. Variations of chromatin, tubulin and actin structures in primate oocytes arrested during *in vitro* maturation and fertilization – what is this telling us about the relationships between cytoskeletal and chromatin meiotic defects? *Theriogenology* (2012) 77,1297-1311.
- V. Nikolova, R. Zhivkova, M. Markova, T. Topouzova-Hristova, A. Mitkova, S. Delimitreva. Characterization of mouse oocytes and oocyte-cumulus complexes extracted for nuclear matrix and intermediate filaments (NM-IF). *Acta Morphologica et Anthropologica* (2012) 19, 149-152.
- S. Delimitreva, E. Wedi, J. Bakker, O. Y. Tkachenko, V. Nikolova, P. L. Nayudu. Numerical chromosome disorders in the common marmoset (*Callithrix jacchus*) - comparison between two captive colonies. *J Med Primatol* (2013) 42, 177–185.