

List of publications of Georgi Nikolaev Georgiev presented for participation in the procedure

Publications as per item B.4: Habilitation work – scientific papers in referenced and indexed journals by reputable scientific databases (Web of Science and Scopus):

- B4.1 **G Georgiev**, R Dimitrov, P Todorov, Y Dimitrov, R Konakchieva. Melatonin receptors in human spermatozoa-new findings and relevance to assisted reproduction. (2012) Journal of Reproductive Immunology 1 (94), 105, <https://doi.org/10.1016/j.jri.2012.03.439>; IF 4.054, Q1;
- B4.2 **Georgiev, G.N.**, Marinova, E., Konakchieva, R., Todorov, P. Melatonin selectively influences the transcription of pluripotency and differentiation markers in human non-cancer cells (2019) Biotechnology and Biotechnological Equipment, 33 (1), pp. 286-293. <https://doi.org/10.1080/13102818.2019.1571440> - IF 1.632, Q3;
- B4.3 **Georgiev, G.N.**, Mourdjeva, M., Oreshkova, T., Pankov, R., Konakchieva, R. MT1 and MT2 melatonin receptor expression and in vitro melatonin effect on the pha-dependent activation of human PBMC (2019) Comptes Rendus de L'Academie Bulgare des Sciences, 72 (11), pp. 1500-1506. DOI:10.7546/CRABS.2019.11.07 - IF 0.378, Q2;
- B4.4 Nikolov, G., **Georgiev, G.N.**, Marinova, E., Mourdjeva, M., Konakchieva, R. UP-Regulation of MT1 and MT2 receptors by in vitro melatonin and modulation of alpha-tubulin and aromatase P450 expression in human granulosa-lutein cells (2020) Comptes Rendus de L'Academie Bulgare des Sciences, 73 (3), pp. 348-354. DOI: 10.7546/CRABS.2020.03.07 – IF 0.378, Q2;
- B4.5 **Nikolaev, G.**; Robeva, R.; Konakchieva, R. Membrane Melatonin Receptors Activated Cell Signaling in Physiology and Disease. *Int. J. Mol. Sci.* **2022**, 23, 471. <https://doi.org/10.3390/ijms23010471> – IF 5.924, Q1;

Publications under item Г.7: Scientific papers in referenced and indexed journals by reputable scientific databases (Web of Science and Scopus) apart from the Habilitation work:

- Г7.1. Pastuschek, J., Bus, T., Poetzsch, J., Raabe, M., Winkler, S., Fritzsche, A., Schleussner, E., Markert, U., **Georgiev, G.**, COV434 granulosa cell line: take it or leave it? (2014) *Journal of Reproductive Immunology*, 101–102, <https://doi.org/10.1016/j.jri.2013.12.102>; IF 4.054, Q1;
- Г7.2. Pastuschek, J., Poetzsch, J., Morales-Prieto, D.M., Schleußner, E., Markert, U.R., **Georgiev, G.** Stimulation of the JAK/STAT pathway by LIF and OSM in the human granulosa cell line COV434 (2015) *Journal of Reproductive Immunology*, 108, pp. 48-55. <https://doi.org/10.1016/j.jri.2015.03.002> - IF 4.054, Q1;
- Г7.3. Petrova, V.Y., Kujumdzieva, A.V., Tomova, A.A., **Georgiev, G.**, Stefanova, N., Pankov, R.G. Superoxide dismutase and catalase participate in the regulation of quiescent state of human fibroblasts: In silico and biochemical analysis (2016) *Comptes Rendus de L'Academie Bulgare des Sciences*, 69 (4), pp. 467-474. IF 0.378, Q2;
- Г7.4. Uzunova, V., Tzoneva, R., Stoyanova, T., Pankov, R., Skrobanska, R., **Georgiev, G.**, Maslenkova, L., Tsonchev, Z., Momchilova, A. Dimethylsphingosine and miltefosine induce apoptosis in lung adenocarcinoma A549 cells in a synergistic manner (2019) *Chemico-Biological Interactions*, 310. <https://doi.org/10.1016/j.cbi.2019.108731> – IF 5.192, Q2;
- Г7.5. Momchilova, A., Staneva, G., Tzoneva, R., Scrobanska, R., **Georgiev, G.**, Hadzhilazova, M., Maslenkova, L., Pankov, R. Resveratrol affects sphingomyelin and cholesterol in three-dimensional fibroblast cultures (2019) *Comptes Rendus de L'Academie Bulgare des Sciences*, 72 (4), pp. 479-484. DOI: 10.7546/CRABS.2019.04.07; IF 0.378, Q2;
- Г7.6. Peruhova, M., Peshevska-Sekulovska, M., Krastev, B., Panayotova, G., Georgieva, V., Konakchieva, R., **Nikolaev, G.**, Velikova, T.V. What could microRNA expression tell us more about colorectal serrated pathway carcinogenesis? (2020) *World Journal of Gastroenterology*, 26 (42), pp. 6556-6571. doi:10.3748/wjg.v26.i42.6556 – IF 5.742, Q1;
- Г7.7. **Georgiev, G.**, Konakchieva, R., Momchilova, A., Pankov, R. Quiescent primary fibroblasts sequester activated ERK1/2 into the lipid rafts (2020) *Comptes Rendus de L'Academie Bulgare des Sciences*, 73 (3), pp. 363-370. DOI: 10.7546/CRABS.2020.03.09; IF 0.378, Q2;
- Г7.8. Velikova, T., Krastev, B., Lozenov, S., Gencheva, R., Peshevska-Sekulovska, M., **Nikolaev, G.**, Peruhova, M. Antibiotic-related changes in microbiome: The hidden villain behind colorectal carcinoma immunotherapy failure (2021) *International Journal of Molecular Sciences*, 22 (4), art. no. 1754, pp. 1-11. <https://doi.org/10.3390/ijms22041754> – IF 5.924, Q1;

- Г7.9. Videv, P., Mladenov, N., Andreeva, T., Mladenova, K., Moskova-Doumanova, V., **Nikolaev, G.**, Petrova, S.D., Doumanov, J.A. Condensing effect of cholesterol on hBest1/POPC and hBest1/SM langmuir monolayers (2021) Membranes, 11 (1), art. no. 52, pp. 1-8. <https://doi.org/10.3390/membranes11010052>; IF 4.106, Q2;
- Г7.10. Evangelatov, A., Naidenova, D., **Georgiev, G.**, Momchilova, A., Pankov, R. Effects of hyperglycemia on wound healing in three-dimensional cell culture (2021) Comptes Rendus de L'Academie Bulgare des Sciences, 74 (6), pp. 861-867. IF 0.378, Q2;
- Г7.11. Momchilova, A., Markovska, T., **Georgiev, G.**, Pankov, S., Staneva, G., Petkova, D., Krastev, P., Pinkas, A., Pankov, R. Quercetin affects membrane lipids and apoptosis in three-dimensional fibroblast cultures (2021) Biotechnology and Biotechnological Equipment, 35 (1), pp. 943-952. <https://doi.org/10.1080/13102818.2021.1939785>; IF 1.632, Q3;

Publications under item Г.8: Book chapter:

- Г8.1. **Georgi Georgiev**, Jana Pastuschek, Stefan Neubeck, Udo R. Markert (2013) Part I: Substances Secreted by the Preimplantation Human Embryo. In Immunology of Pregnancy 2013, Bentham Science, doi: [10.2174/9781608057337113010020](https://doi.org/10.2174/9781608057337113010020)
- <https://www.eurekaselect.com/117505/chapter/part-i%3A-substances-secreted-by-the-preimplantation-human-embryo>