

**Zoznam publikácií vytvorených v rámci projektu
Výskum a vývoj látok pre diagnostiku Alzheimerovej choroby (DIAGNAD)
počas riešenia projektu v období 2017 - 2019**

1. Huy P.D.Q., Thai N.Q., Bednarikova Z., Phuc L.H., Linh H.Q., Gazova Z., Li M.S. Bexarotene Does Not Clear Amyloid Beta Plaques but Delays Fibril Growth: Molecular Mechanisms, 2017, ACS Chemical Neuroscience, 8 (9), 1960-1969 (podiel: 30%)
2. Lu N.-H., How S.-C., Lin C.-Y., Tsai S.-L., Bednarikova Z., Fedunova D., Gazova Z., Wu J.W., Wang S.S.-S. Examining the effects of dextran-based polymer-coated nanoparticles on amyloid fibrillogenesis of human insulin, 2018, Colloids and Surfaces B: Biointerfaces, 172, 674-683 (podiel: 20%)
3. How S.-C., Cheng Y.-H., Lo C.-H., Lai J.-T., Lin T.-H., Bednarikova Z., Antosova A., Gazova Z., Wu J.W., Wang S.S.-S. Exploring the effects of methylene blue on amyloid fibrillogenesis of lysozyme, 2018, International Journal of Biological Macromolecules, 119, 1059-1067 (podiel: 20%)
4. Orteca G., Tavanti F., Bednarikova Z., Gazova Z., Rigillo G., Imbriano C., Basile V., Asti M., Rigamonti L., Saladini M., Ferrari E., Menziani M.C. Curcumin derivatives and A β -fibrillar aggregates: An interactions' study for diagnostic/therapeutic purposes in neurodegenerative diseases, 2018, Bioorganic and Medicinal Chemistry, 26 (14), 4288-4300 (podiel: 30%)
5. Pham H.D.Q., Thai N.Q., Bednarikova Z., Linh H.Q., Gazova Z., Li M.S. Bexarotene cannot reduce amyloid beta plaques through inhibition of production of amyloid beta peptides: in silico and in vitro study, 2018, Physical Chemistry Chemical Physics, 20 (37), 24329-24338 (podiel: 30%)
6. Antosova A., Bednarikova Z., Koneracka M., Antal I., Marek J., Kubovcikova M., Zavisova V., Jurikova A., Gazova Z. Amino Acid Functionalized Superparamagnetic Nanoparticles Inhibit Lysozyme Amyloid Fibrillation, 2019, Chemistry - A European Journal, 25 (31), 7501-7514 (podiel: 20%)
7. Bednarikova Z., Marek J., Demjen E., Dutz S., Mocanu M.-M., Wu J.W., Wang S.S.-S., Gazova Z. Effect of nanoparticles coated with different modifications of dextran on lysozyme amyloid aggregation, 2019, Journal of Magnetism and Magnetic Materials, 473, 1-6 (podiel: 20%)
8. Antosova A., Bednarikova Z., Koneracka M., Antal I., Zavisova V., Kubovcikova M., Wu J.W., S.-S. Wang S., Gazova Z. Destroying activity of glycine coated magnetic nanoparticles on lysozyme, α -lactalbumin, insulin and α -crystallin amyloid fibrils, 2019, Journal of Magnetism and Magnetic Materials, 471, 169-176 (podiel: 20%)
9. Bystrenova E., Bednarikova Z., Barbalinardo M., Albonetti C., Valle F., Gazova Z. Amyloid fragments and their toxicity on neural cells, 2019, Regenerative Biomaterials, 6 (2), 121-127 (podiel: 25%)