Сведения о научном руководителе

диссертации Балакиревой Анастасии Васильевны

«Протеиназы пшеницы и их активация в норме и при биотическом стрессе»

Научный руководитель: Замятнин Андрей Александрович

Ученая степень: доктор биологических наук

Ученое звание: доцент

Должность: заведующий лабораторией молекулярной биологии и биохимии Института молекулярной медицины, директор Института молекулярной медицины ФГАОУ ВО Первый МГМУ им. И.М. Сеченова Минздрава России

Место работы: ФГАОУ ВО Первый МГМУ им. И.М. Сеченова Минздрава России

Адрес места работы: 119991, Москва, ул. Трубецкая, д.8, стр. 2

Тел.: +7 495 622 98 43

E-mail: zamyat@belozersky.msu.ru

Список основных научных публикаций по специальности 03.01.03 – «Молекулярная биология» за последние 5 лет:

1. Anastasia V. Balakireva and Andrey A. Zamyatnin Jr. Cutting out the gaps between proteases and programmed cell death. *Frontiers in plant science*, 10:704, 2019;
2. Anatoly B. Shekhter, Anastasia V. Balakireva, Natalia V. Kuznetsova, Marina N. Vukolova, Petr F. Litvitsky, and Andrey A. Zamyatnin. Collagenolytic enzymes and their applications in biomedicine. *Current Medicinal Chemistry*, 26(3):487–505, 2019;
3. Anastasia V. Balakireva, Natalia V. Kuznetsova, Anastasia I. Petushkova, Lyudmila Savvateeva, and Andrey A. Zamyatnin. Trends and prospects of plant proteases in therapeutics. *Current Medicinal Chemistry*, 26(3):465–486, 2019;
4. Anastasia V. Balakireva and Andrey A. Zamyatnin Jr. Indispensable role of proteases in plant innate immunity. *International Journal of Molecular Sciences*, 19(2):629, 2018;
5. Anastasia V. Balakireva, Andrei A. Deviatkin, Victor G. Zgoda, Maxim I. Kartashov, Natalia S. Zhemchuzhina, Vitaly G. Dzhavakhiya, Andrey V. Golovin, Andrey A. Zamyatnin, and Jr. Proteomics analysis reveals that

caspase-like and metacaspase-like activities are dispensable for activation of proteases involved in early response to biotic stress in triticum aestivum l. *International Journal of Molecular Sciences*, 19(12):3991, 2018;
6. Lyudmila V. Savvateeva, Svetlana I. Erdes, Anton S. Antishin, and Andrey A. Zamyatnin. Overview of celiac disease in russia: Regional data and estimated prevalence. *Journal of Immunology Research*, 2017:2314813, 2017;
7. Neonila V. Gorokhovets, Vladimir A. Makarov, Anastasiia I. Petushkova, Olga S. Prokopets, Mikhail A. Rubtsov, Lyudmila V. Savvateeva, Evgeni Yu Zernii, and Andrey A. Zamyatnin. Rational design of recombinant papain-like cysteine protease: Optimal domain structure and expression conditions for wheat-derived enzyme triticain-α. *International Journal of Molecular Sciences*, 18(7):1395, 2017;
8. Anastasia V. Balakireva and Andrey A. Zamyatnin. Properties of gluten intolerance: Gluten structure, evolution, pathogenicity and detoxification capabilities. *Nutrients*, 8(10):644, 2016;
9. Lyudmila V. Savvateeva and Andrey A. Zamyatnin. Prospects of developing medicinal therapeutic strategies and pharmaceutical design for effective gluten intolerance treatment. *Current Pharmaceutical Design*, 22(16):2439–2449, 2016;
10. Lyudmila V. Savvateeva, Neonila V. Gorokhovets, Vladimir A. Makarov, Marina V. Serebryakova, Andrey G. Solovyev, Sergey Yu Morozov, Reddy V. Prakash, Evgeni Yu Zernii, Andrey A. Zamyatnin, and Gjumrakch Aliev. Glutenase and collagenase activities of wheat cysteine protease triticain-α: Feasibility for enzymatic therapy assays. *International Journal of Biochemistry and Cell Biology*, 62:115–124, 2015;
11. Andrey A. Zamyatnin Jr. Plant proteases involved in regulated cell death. Biochemistry (Moscow), 80(13):1701–1715, 2015.

Ученый секретарь диссертационного совета,

доктор биологических наук Т.В. Комарова