

CURRICULUM VITAE

Dubek Kazyken, Ph.D.

10/07/2020

Contact

Dept. of Cell and Developmental Biology
Univ. of Michigan Medical School
3468 BSRB
109 Zina Pitcher Place
Ann Arbor, MI 48109
Tel (cell): 917-374-6182
Tel (lab): 734-763-6329
email: dkazyken@med.umich.edu

Education

2014, April Ph.D. (Biology), L.N. Gumilyov Eurasian National University (Kazakhstan)
2008, July Master (Biology), L.N. Gumilyov Eurasian National University (Kazakhstan)
2006, July Bachelor (Biotechnology), Xinjiang Agricultural University (China)

Research Experience

5/2015-present Post-doctoral fellow (PI: Diane Fingar, PhD., Department of Cell and Developmental Biology, University of Michigan Medical School, Ann Arbor, Michigan, USA)
7/2014-5/2015 Researcher, Laboratory of Immunochemistry and Immunobiotechnology, National Center for Biotechnology of the Republic of Kazakhstan, Astana, Kazakhstan
10/2012-7/2013 PhD visiting student, Laboratory of Cell Signal and Metabolism, National Institute of Biomedical Innovation, Osaka, Japan
12/2010-12/2011 Graduate Student-non-UTHSCH, Department of Molecular and Cellular Oncology, University of Texas, M. D. Anderson Cancer Center, Houston, USA
12/2006-10/2009 Junior Researcher, Laboratory of Immunochemistry and Immunobiotechnology, National Center for Biotechnology of the Republic of Kazakhstan, Astana, Kazakhstan

Teaching Experience

7/2013-6/2014 Cell biology lecture and laboratory, Undergraduate 2nd and 3rd year students, Department of General Biology and Genomics, Faculty of Natural Sciences, Eurasian National University, Astana, Kazakhstan

Publications

1. Ho-Kowalsky A., Sim N., Mettetal E., Park H.W., **Kazyken D.**, Fingar D.C., Lee J.H. (2020) The GATOR2-mTORC2 axis mediates Sestrin2-induced AKT activation. *Journal of Biological Chemistry*. 295(7) 1769 –1780
2. **Kazyken D.**, Magnuson B., Bodur C., Acosta-Jaquez H. A., Zhang D., Tong X., Barnes T.M., Steinl G. K., Patterson N. E., Alheim C. H., Sharma N., Inoki K., Cartee G. D., Bridges D., Yin L., Riddle S. M., and Fingar D. C. (2019) AMPK directly activates mTORC2 to promote cell survival during acute energetic stress. *Science Signaling* 12 (585), eaav3249
3. Bodur C., **Kazyken D.**, Huang K., Ustunel B.E., Siroky K.A., Tooley A.S., Gonzalez I.E., Foley D.H., Acosta-Jaquez H.A., Barnes T.M., Steinl G.K., Cho K.W., Lumeng C.N., Riddle S.M., Myers M.G., Fingar D.C. (2018) The IKK-related kinase TBK1 activates mTORC1 directly in response to growth factors and innate immune agonists. *The EMBO journal* 37 (1), 19-38
4. **Kazyken D.**, Kaz Y., Kiyani V., Zhylybayev A.A., Chen C.H., Agarwal N.K., Sarbassov D.D. (2014) The nuclear import of ribosomal proteins is regulated by mTOR. *Oncotarget*. 5(20): p. 9577-9593.
5. Chen C.H., Kiyani V., Zhylybayev A.A., **Kazyken D.**, Bulgakova O.V., Page K.E., Bersimbaev R.I., Spooner E., Sarbassov D.D. (2013) Autoregulation of the mTOR Complex 2 integrity is controlled by the ATP-dependent mechanism. *Journal of Biological Chemistry*. 288(38): p. 27019-27030.
6. Agarwal N.K., **Kazyken D.**, Sarbassov D.D. (2013) Rictor encounters RhoGDI2: The second pilot is taking a lead. *Small GTPases*. 4: p. 102-105.
7. Мукантаев К.Н., Бегалиева А., Іңірбай Б., Райымбек Г., **Қазыкен Д.**, Сегізбаева Г.Ж., Шевцов А.Б., Муканов К.К. (2015) Получение Рекомбинантного Антигена р60 Listeria Monocytogenes. *Biotechnology. Theory and Practice*. 1: 17-25 (in Russian language, title in English: *Obtaining The p60 recombinant antigen of Listeria monocytogenes*)
8. **Қазыкен Д.** (2012) Гель хроматографиясымен mTOR комплекстерін бөліп алу. *әл-Фараби атындағы Қазақ ұлттық университеті, Хабаршы, биология сериясы*, 4(56): 209-211 б. (in Kazakh language, title in English: *Purifying mTOR complex with gel filtration chromatography*)
9. **Қазыкен Д.**, Берсімбаев Р.І., Сарбасов Д. (2012) mTOR сигнал жолының жоғарғы ағындық реттеушілері. *әл-Фараби атындағы Қазақ ұлттық университеті. Хабаршы, биология сериясы*, 1(53): 23-27 б. (in Kazakh language, title in English: *Upstream regulators of mTOR signaling pathway*)

Abstracts and Presentations

1. **Қазыкен Д.** (2012) mTOR комплексін бөліп алу мақсатында жасушаларды субфракциялаудың жаңа әдісі. «Биология және биотехнологияның қазіргі заманғы аспектілері» атты ғылыми-зерттеу конференциясының материалдары, Л.Н. Гумилев атындағы ЕҰУ, 96-99 б. (in Kazakh language, title in English: *Novel method of cell subfractionation in order to purify mTOR complex*)