

CURRICULUM VITAE AND BIBLIOGRAPHY

NAME: Askar Akimzhanov

PRESENT TITLE: Assistant Professor

WORK ADDRESS: The University of Texas Medical School at Houston
Department of Biochemistry and Molecular Biology
6431 Fannin St., MSB 6.168, Houston, TX 77030

BIRTHDATE: 01/05/1978

CITIZENSHIP: Russia

UNDERGRADUATE EDUCATION:

1999 - M.S., Novosibirsk State University, Novosibirsk, Russia.

GRADUATE EDUCATION:

2005 - Ph.D., University of Wurzburg, Wurzburg, Germany.

POSTGRADUATE TRAINING:

2005-2007 Postdoctoral fellow at UT MD Anderson Cancer Center, Houston

2007-2013 Postdoctoral fellow at UT Medical Branch, Galveston

2013-2014 Postdoctoral fellow at UT Health Science Center at Houston

PROFESSIONAL ORGANIZATIONS (AND COMMITTEES OF THESE):

NATIONAL:

2009 - Member, Biophysical Society

2013 - Member, The American Society for Cell Biology

HONORS AND AWARDS:

2009 - Postdoctoral award for the best podium presentation,
Neuroscience and Cell Biology Department Retreat, UT Medical
Branch, Galveston

2002 - Travel award, Gene Regulation in Lymphocyte,
Development Conference, Santorini, Greece

CURRENT GRANT SUPPORT:

1R01GM115446-01A1 (Akimzhanov) 09/16/2016-08/31/2021 4.8 calendar
NIH/NIGMS \$323,400

“Dynamic Protein Palmitoylation in Cell Signaling”

Role: Principal Investigator

2R01GM081685-10A1 (Boehning) 05/01/2017-02/28/2021 1.2 calendar
NIH/NIGMS \$329,525

“Mechanisms of apoptotic calcium signaling”

Role: Co-Investigator

PUBLICATIONS:

1. Semenov D.V., Kanyshkova T.G., Kit Y.Y., Khlimankov D.Y., **Akimzhanov A.M.**, Gorbunov D.A., Buneva V.N., Nevinsky G.A.: *Human breast milk immunoglobulins G hydrolyze nucleotides*. Biochemistry (Mosc). 1998 Aug;63(8):935-43.
2. Semenov D.V., Kanyshkova T.G., **Akimzhanov A.M.**, Buneva V.N., Nevinsky G.A.: *Interaction of human milk lactoferrin with ATP*. Biochemistry (Mosc). 1998 Aug;63(8):944-51.
3. Chuvpilo S., Jankevics E., Tyrsin D., **Akimzhanov A.**, Moroz D., Jha M.K., Schulze-Luehrmann J., Santner-Nanan B., Feoktistova E., König T., Avots A., Schmitt E., Berberich-Siebelt F., Schimpl A., Serfling E.: *Autoregulation of NFATc1/A expression facilitates effector T cells to escape from rapid apoptosis*. Immunity. 2002 Jun;16(6):881-95.
4. **Akimzhanov A.M.**, Yang X.O., Dong C.: *Chromatin remodeling of interleukin-17 (IL-17)-IL-17F cytokine gene locus during inflammatory helper T cell differentiation*. J Biol Chem. 2007 Mar 2;282(9):5969-72.
5. **Akimzhanov A.**, Krenacs L., Schlegel T., Klein-Hessling S., Bagdi E., Stelkovic E., Kondo E., Chuvpilo S., Wilke P., Avots A., Gattenlöhner S., Müller-Hermelink H.K., Palmetshofer A., Serfling E.: *Epigenetic changes and suppression of the nuclear factor of activated T cell 1 (NFATC1) promoter in human lymphomas with defects in immunoreceptor signaling*. Am J Pathol. 2008 Jan;172(1):215-24.
6. Yang X.O., Pappu B.P., Nurieva R., **Akimzhanov A.**, Kang H.S., Chung Y., Ma L., Shah B., Panopoulos A.D., Schluns K.S., Watowich S.S., Tian Q., Jetten A.M., Dong C.: *T helper 17 lineage differentiation is programmed by orphan nuclear receptors ROR alpha and ROR gamma*. Immunity. 2008 Jan;28(1):29-39.
7. **Akimzhanov A.M.**, Wang X., Sun J., Boehning D.: *T-cell receptor complex is*

essential for Fas signal transduction. Proc Natl Acad Sci U S A. 2010 Aug 24;107(34):15105-10.

8. **Akimzhanov A.M.*** and Boehning D.: *Monitoring Dynamic Changes In Mitochondrial Calcium Levels During Apoptosis Using A Genetically Encoded Calcium Sensor. J Vis Exp. 2011 Apr 1;(50).* *Co-corresponding author.
9. **Akimzhanov A.M.*** and Boehning D.: *IP₃R function in cells of the immune system. Wiley Interdisciplinary Reviews: Membrane Transport and Signaling. doi:10.1002/wmts.27 (2011).**Co-corresponding author.
10. **Akimzhanov A.M.***, Barral J.M. and Boehning D.: *Caspase 3 Cleavage of the Inositol 1,4,5-Trisphosphate Receptor Does Not Contribute to Apoptotic Calcium Release. Cell Calcium. 2013 Feb;53(2):152-8.**Co-corresponding author.
11. **Akimzhanov A.M. *** and Boehning D.: *Rapid and transient palmitoylation of the tyrosine kinase Lck mediates Fas signaling. Proc Natl Acad Sci U S A. 2015 Sep 8.* *Co-corresponding author.