

# Dinar Yunusov, PhD – Curriculum Vitae

E-mail: dinar.yunusov@gmail.com  
Date of birth: January 16, 1990

## Education

2010 – 2016 Department of Biochemistry, Universidade de São Paulo, Brazil,  
Graduate Program in Biochemistry; PhD degree awarded on June 10<sup>h</sup>, 2016  
2009 – 2010 Department of Biochemistry, Universidade de São Paulo, Brazil,  
Undergraduate student exchange program participant  
2005 – 2010 Department of Genetics, Kazan (Volga Region) Federal University, Russian Federation;  
Specialist Degree and Diploma with Honors awarded  
2001 – 2005 Physics and Mathematics Lyceum #131, Kazan, Russian Federation

## Research experience

2016 – present Post-doctoral researcher  
Thomas Gingeras lab, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA  
Project: “Functional characterization of small RNA cargoes of extracellular vesicles”  
Supervisor: Thomas Gingeras, PhD

2010 – 2016 Graduate researcher  
Laboratory of Gene Expression in Eukaryotes, Department of Biochemistry, Chemistry  
Institute, Universidade de São Paulo, São Paulo, SP, Brazil  
PhD thesis: “Characterization of *HIPSTR* highlights the heterogeneous expression pattern of  
lncRNAs in human embryos and stable cell lines”  
Supervisor: Sergio Verjovski-Almeida, PhD, MD

2015 Visiting scholar  
R. Michael Roberts Research Group, University of Missouri, Columbia, MO, USA  
Project: “Functional characterization of *TFAP2A-AS2* (*HIPSTR*) long non-coding RNA in human  
*in vitro* trophoblast model”  
Supervisor: R. Michael Roberts, D. Phil.

2009 – 2010 Undergraduate researcher  
Laboratory of Gene Expression in Eukaryotes, Department of Biochemistry, Chemistry  
Institute, Universidade de São Paulo, São Paulo, SP, Brazil  
Specialist Degree thesis work: “Development of the directional pyrosequencing method of  
human and *Schistosoma mansoni* transcriptomes”  
Supervisor: Sergio Verjovski-Almeida, PhD, MD

2007 – 2009 Undergraduate researcher  
Laboratory of Dr. Albert Rizvanov, Department of Genetics,  
Kazan (Volga Region) Federal University, Kazan, Russian Federation  
Molecular cloning of Vascular Endothelial Growth Factor A isoforms and Basic Fibroblast  
Growth Factor for stem cell based gene therapy of neurodegenerative disorders  
Supervisor: Albert Rizvanov, PhD

## Publications

- Tanabe ISB, Tanabe ELL, Santos EC, Martins WV, Araújo IMTC, Cavalcante MCA, Lima ARV, Câmara NOS, Anderson L, Yunusov D (*co-last author*), Bassi ÊJ. **Cellular and Molecular Immune Response to Chikungunya Virus Infection.** *Front Cell Infect Microbiol.* 2018 Oct 10;8:345. Review. doi: 10.3389/fcimb.2018.00345. PMID: 30364124
- Sheridan MA, Yunusov D (*co-first author*), Balaraman V, Alexenko AP, Yabe S, Verjovski-Almeida S, Schust DJ, Franz AW, Sadosky Y, Ezashi T, Roberts RM. **Vulnerability of primitive human placental trophoblast to Zika virus.** *PNAS.* 2017 Feb 28; 114 (9): E1587-E1596. doi: 10.1073/pnas.1616097114. PMID: 28193876
- Yunusov D, Anderson L, DaSilva LF, Wysocka J, Ezashi T, Roberts RM, Verjovski-Almeida S. **HIPSTR and thousands of lncRNAs are heterogeneously expressed in human embryos, primordial germ cells and stable cell lines.** *Scientific Reports.* 2016 Sep 8; 6: 32753. doi: 10.1038/srep32753. PMID: 27605307

## Grants and patents

- Personal scholarship for studies abroad by Fundação de Amparo à Pesquisa do Estado de São Paulo, FAPESP process no. 2015/01397-7
- Personal PhD Program scholarship awarded by Fundação de Amparo à Pesquisa do Estado de São Paulo, FAPESP process no. 2010/51152-7
- Executor of Russian Federal Agency for Science and Innovations government contract FCP 02.512.11.2052
- Co-author of the Scientific inventions registry of Russian Federation Patent no. 2431669, “Genetically modified cells-based method of vaccine preparation”

## Awards

2009	Tatarstan Academy of Sciences personal scholarship award
2009	President of Tatarstan Republic special scholarship award
2009	Best oral presentation, Second Russian congress for undergraduate and postgraduate students “Symbiose-Russia 2009”, Perm, May 25-29, 2009
2009	Best report, final scientific-overview conference of Kazan State University students, Kazan, 2009
2008	2-1 Diploma First Russian congress for undergraduate and postgraduate students “Symbiose-Russia 2008”, Kazan, July 6-10, 2008
2008	Best poster report, First City student conference “Cross-disciplinary research in the field of natural sciences” Kazan, April 29, 2008
2006, 2007	Second team place in “Do you know the history of your <i>Alma mater</i> ?” contest
2005	Silver medal “For significant advances in education”, high school award

## Career-related courses and activities

Molecular biology course, “Vertical” center of distance education, February 24 - May 25, 2009

## Conferences

- Cell Symposium: Stem Cell Epigenetics, Sitges, Spain, September 20-22, 2015;
- Cell Symposium: Regulatory RNAs, Berkeley, CA, USA, October 19-21, 2014;
- ESF-EMBO Conference on Long Regulatory RNAs, Polonia Castle, Pultusk, Poland, September 13-18, 2014;
- XV annual Symposium for Biology Students of Europe “SymBioSE 2011”, Universität Basel, Switzerland, July 27-August 6, 2011;
- XIV annual Symposium for Biology Students of Europe “SymBioSE 2010”, Eskişehir Osmangazi Üniversitesi, Turkey, July 30-August 9, 2010;
- XIII annual Symposium for Biology Students of Europe “SymBioSE 2009”, Kazan State University, Russian Federation, July 30-August 9, 2009;
- Second Russian congress for undergraduate and postgraduate students “Symbiose-Russia 2009”, Perm State University, Russian Federation, May 25-29, 2009;
- First inter-university conference on modern biology “Bio-news” in English language, Kazan State University, Russian Federation, November 24, 2008;
- Second international theoretical and practical conference “Post-Genomic era in biology and problems of biotechnology”, Kazan State University, Russian Federation, September 15-16, 2008;
- First Russian congress for undergraduate and postgraduate students “Symbiose-Russia 2008”, Kazan State University, Russian Federation, July 6-10, 2008;
- First City conference for undergraduate and postgraduate students “Cross-disciplinary research in the field of natural sciences” Kazan State University, Russian Federation, April 29, 2008;
- Final scientific-overview conference of Kazan State University students 2006, 2008, 2009

## Affiliations

- Russian social organization of young biologists “Symbiose-Russia”. Head of Educational department, 2008-2011
- Administrator of SymBioSE (Symposium for Biology Students of Europe) official web-site, 2009-2011

## Languages

- Russian (native)
- English (fluent)
- Portuguese (fluent)

## References

- Thomas Gingeras, PhD (gingeras@cshl.edu)
- Alexander Dobin, PhD (dobin@cshl.edu)
- Sergio Verjovski-Almeida, PhD, MD (verjo@iq.usp.br)
- R. Michael Roberts, D.Phil (robertsrm@missouri.edu)
- Toshihiko Ezashi, PhD, D.V.M. (ezashit@missouri.edu)