

Kaveh Daneshvar, Ph.D.

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Training *Postdoctoral Research Fellow,* Oct 2012 - Current
Massachusetts General Hospital, Harvard Medical School, Boston, MA
Dr. Alan Mullen Laboratory

Education *Ph.D. in Biology,* August 2007 - Dec 2012
University of North Carolina, Charlotte

Master's in Biochemistry, August 2004 - June 2007
Razi University, Kermanshah, IRAN

Bachelor's of Biology, August 1999 - June 2004
University of Tehran, Tehran, IRAN

Publications Published papers

Daneshvar K., Pondick J V., Kim B., Zhou C., York SR., Macklin JA., Abualteen A., Tan B., Sigova AA., Marcho C., Tremblay KD., Mager J., Choi MY., Mullen AC. 2016. DIGIT Is a Conserved Long Noncoding RNA that Regulates GSC Expression to Control Definitive Endoderm Differentiation of Embryonic Stem Cells. *Cell Reports* 17:113.

Molinie B., Wang J., Lim KS., Hillebrand R., Lu Z., Van Wittenberghe N., Howard BD., **Daneshvar K.**, Mullen AC., Dedon P., Xing Y., Giallourakis CC. 2016. m6A-LAIC-seq reveals the census and complexity of the m6A epitranscriptome. *Nature Methods* 13:692698.

Batista PJ., Molinie B., Wang J., Qu K., Zhang J., Li L., Bouley DM., Lujan E., Haddad B., **Daneshvar K.**, Carter AC., Flynn RA., Zhou C., Lim K-S., Dedon P., Wernig M., Mullen AC., Xing Y., Giallourakis CC., Chang HY. 2014. m6A RNA Modification Controls Cell Fate Transition in Mammalian Embryonic Stem Cells. *Cell Stem Cell*.

Nath S., **Daneshvar K.**, Roy LD., Grover P., Kidiyoor a., Mosley L., Sahraei M., Mukherjee P. 2013. MUC1 induces drug resistance in pancreatic cancer cells via upregulation of multidrug resistance genes. *Oncogenesis* 2:e51.

Daneshvar K., Nath S., Khan A., Shover W., Richardson C., Goodliffe JM. 2013. MicroRNA miR-308 regulates dMyc through a negative feedback loop in Drosophila. *Biology open* 2:19.

Daneshvar K., Khan A., Goodliffe JM. 2011. Myc Localizes to Histone Locus Bodies during Replication in Drosophila. *PLoS ONE* 6:e23928.

Molinie B., Zhou C., **Daneshvar K.**, Pondick J V., Wang J., Xing Y., Giallourakis CC. Mullen AC. 2017. Identification and characterization of m6A circular RNA epitranscriptome. *Cell Reports*.

Papers in preparation/submission

Daneshvar K., Pondick J V., Mullen AC. RNA-aptamer chimera crosslinking and pull-down (RAPCROP) reveals lncRNA-protein and lncRNA-DNA interactome. *In preparation*.

Conferences

Talks

- 1) International Society of Stem Cell Research (ISSCR). 2017. Boston, MA, USA.
- 2) Keystone Symposia: Noncoding RNAs: From Disease to Targeted Therapeutics. 2017. Banff, Canada.
- 3) Keystone Symposia: Endoderm Lineages in Development and Disease. 2015. Keystone, CO, USA.

Poster presentations

EMBO meeting on noncoding RNA, structure meets function. 2016. Stockholm, Sweden.
Keystone Symposia: Long Noncoding RNAs: Marching toward Mechanism. 2014. Santa Fe, NM USA
Model Organism to Cancer Genetics. 2012. Washington D.C, USA
Drosophila Genetic conference. 2010. Washington D.C, USA
Drosophila Genetic conference. 2009. Chicago, IL, USA

Scholarships and awards

Travel award to attend EMBO meeting (2016, RNA Society)
SAC Poster Distinction travel award (2016, MGH)
MGH Postdoc Association Travel Award (2016, MGH)
GASP graduate assistantship award (2007-2012, UNC Charlotte)
Graduate School Tuition Scholarship (2007-2012, UNC Charlotte)
Best Poster Award, Graduate Research Symposium (2011, UNC Charlotte)

Mentorship experience

Harvard Stem Cell Institute summer internship program (2015 — HSCI, MGH)
Role: co-mentor
Harvard Stem Cell Institute summer internship program (2014 — HSCI, MGH)
Role: co-mentor
Undergraduate honors program (2009-2012 — UNC Charlotte)
Role: co-mentor for three students

Teaching experience

Guest lecturer (2018 — Harvard University)
Course: Epigenetics and Gene Regulation (BIOS E-30)
Topic: RNA world

Teaching Assistant (2007-2012 — UNC Charlotte)
Courses taught: Physiology and anatomy lab I and II (pre-licensure, kinesiology and biology majors), Cell and Molecular biology lab (biology majors), General biology lab (biology and chemistry majors), and freshmen seminar (Science and technology majors).

Academic services

Scientific Advisory Board member 2016 - current
Journal: *Matters*
Ad-hoc reviewer 2012 - current
RNA (Cold Spring harbor Laboratory), Gene (Elsevier), Biology Open (Company of Biologists), PLoS One, American Biology Teacher (BioOne)

References

Dr. Alan C. Mullen
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Dr. Julie Goodliffe
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Dr. Cosmas Giallourakis
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