Arash Bashirullah

Professor & Associate Dean for Research and Graduate Education
School of Pharmacy, University of Wisconsin-Madison

EDUCATION

B.S., Chemistry, University of Winnipeg
Ph.D., Biology, California Institute of Technology (Caltech)

PROFESSIONAL POSITIONS

University of Wisconsin-Madison

Executive Director, Lachman Institute for Pharmaceutical Development (2022-present)

Associate Dean for Research and Graduate Education, School of Pharmacy (2020-present)

Professor, Division of Pharmaceutical Sciences, School of Pharmacy (2022-present)
Associate Professor (2014-2021), Assistant Professor (2007-2014)

Faculty Trainer: Department of Genetics (2008-present), Cellular Molecular Biology Program (2008-present), Stem Cell & Regenerative Medicine Center (2021-present)

University of Utah

Postdoctoral Fellow, HHMI & Department of Human Genetics (2000-2007)

Yale University

Postdoctoral Fellow, Department of Molecular, Cellular and Developmental Biology (2000)

HONORS

Teacher of the Year, Pharmacology & Toxicology B.S. Program (2024)
BTAA-ALP Fellow, Big Ten Academic Alliance, Academic Leadership Program (2021-2022)
Teacher of the Year, Pharmacology & Toxicology B.S. Program (2020)
Teacher of the Year, Doctor of Pharmacy Program (2016)
Undergraduate Mentor Award, nominated by School of Pharmacy (2015)
Kavli Fellow, selected by the Kavli Board and the US National Academy of Sciences (2014)
NIH NRSA Postdoctoral Fellowship (@ Utah) (2001-2004)
NIH NRSA Postdoctoral Fellowship (@ Yale; declined) (2000)
Chemistry Faculty Award, University of Winnipeg (awarded to top graduating student) (1989)
Academic Proficiency Scholarship, University of Winnipeg (1986-1989)

LEADERSHIP EXPERIENCE

Associate Dean for Research and Graduate Education, School of Pharmacy (2020-present)

Strategic leadership of research enterprise.

- Lead diverse $19.4M research portfolio spanning basic to translational science across biology, chemistry, engineering, social sciences, and humanities
- Oversee six research centers and instrumentation infrastructure advancing the School's research capabilities
- Drive research growth through metrics-based planning, faculty development, targeted funding opportunities and Research Administration Office's strategic management of grant lifecycle
- Build strategic partnerships with industry, government, and academic stakeholders to expand scale and scope of funding opportunities, including federal appropriations and emerging team science initiatives (ARPA-H, NSF TIP)
- Oversee compliance framework encompassing research security, safety, IP management, and research integrity policies, while minimizing faculty burden
- Advance School's impact through leadership in cross-college research initiatives and campus-wide strategic planning

Strategic leadership of Graduate Education

- Lead five graduate programs (2 PhD, 3 MS) with ~220 students total
- Oversee development of two new revenue-generating MS programs, currently achieving ~30% semester-over-semester growth
- Manage and nurture substantial endowment revenue in support of graduate education
- Lead strategic enrollment initiatives through faculty directors, enhancing recruitment outcomes and career placement rates
- Develop industry partnerships to support regional biotech workforce development and strengthen enrollment pipeline
- Guide program innovation through interdisciplinary training opportunities aligned with evolving workforce needs

Executive Director, Lachman Institute for Pharmaceutical Development (2022-present)

- Founding director instrumental in Institute's creation, from donor engagement through operational launch
- Lead strategic development and implementation of dual mission: advancing interdisciplinary research in biotherapeutics and managing cutting-edge pharmaceutical instrumentation facility
- Direct operations catalyzing team science initiatives and multi-investigator program grants across pharmaceutical sciences

Member, UW-Madison RISE Initiative: Joint Operations Team (2024-present)
- Lead implementation strategies for campus-wide initiative to hire 150 new faculty across three interdisciplinary themes
- Develop strategies to coordinate infrastructure needs, foster collaboration, and identify mechanisms to integrate incoming faculty into existing and reenergized research ecosystems

Member, Chancellor's Research Overhead Allocation Budget Task Force (2024)
- Selected for elite committee tasked with developing new budget allocation model for campus's $1.7B research portfolio
- Chosen for demonstrated expertise in research budgeting and strategic resource allocation across diverse funding streams

Member (invited), UW-Madison Biotech Sector Consortium (2022-present)
- Led strategic engagement with biotech industry partners to align university research capabilities with industry needs
- Built partnerships strengthening research collaboration, technology transfer, and graduate student training and career placement in private sector

Member, UW-Madison Associate Deans for Research Group (2020-present)
- Serve on campus executive research leadership council that manage strategic directions and operations of the campus' $1.7B research enterprise
- Lead development and implementation of research-related processes, policies and initiatives

Member, UW-Madison Associate Deans for Graduate Education Group (2022-present)
- Serve on newly-formed group of college/school leaders in graduate education
- Chaired by the Dean of the Graduate School to lead and coordinate development and implementation of graduate student-related processes, policies and initiatives

Member (invited), UW-Madison Biological Sciences Research Committee (2020-2023)
- Directed distribution of ~$12M annual research stimulus funding across campus biological sciences
- Evaluated proposals spanning basic to translational research, stimulating strategic growth and fostering interdisciplinary collaboration

Senator (elected), UW-Madison University Faculty Senate (2012-2017)
- Served as elected Senator in UW-Madison's highest shared governance body
- Contributed to institutional policies on tenure, research, and education during period of significant transformation in higher education

Member (elected), School of Pharmacy Academic Planning Council, (2016-2019)
- Led comprehensive revision of School's strategic plan, successfully consolidating from 19 competing priorities to focused three-pillar approach
- Demonstrated ability to build consensus and implement change management across diverse stakeholder groups

Member (elected), School of Pharmacy Board of Visitors (2014-2017)
- Served as faculty representative to board of distinguished alumni and donors.
- Built productive relationships between external stakeholders and faculty, translating strategic initiatives into actionable programs benefiting School's research and educational mission

SERVICE

UNIVERSITY LEVEL

- Associate Vice Chancellor for Entrepreneurship Search Committee, Member (2025-present)
- UW-Madison Named Professorships Selection Committee, Member (2025)
- University HIPAA Executive Board, Board Member (2024-present)
- Institute for Clinical and Translational Research (ICTR), Board of Governors, Dean's designee (2023-present)
- Provost Search, Council of Deans, Dean's designee (2023)
- Institutional Conflict of Interest (ICOI) Committee, Member (2021-present)
- UW-Madison Biotechnology Training Program, Advisory Board Member (2021-present)
- Cellular and Molecular Biology (CMB) Program, Exceptional Ph.D. Thesis Awards Committee, Member (2016-2017)
- Fifth Division Task Force (examine UW-Madison tenure guidelines for clinical faculty), Member (2015-2016)
- UW Health Sciences Civility and Anti-Bullying Advisory Group, Member (2014-2015)
- Curriculum Committee (Ph.D.), Genetics T32 Training Program, Member (2010-2015)
- UW-Madison, University Faculty Senate, Alternate (2009-2012)
- Graduate Admissions (Ph.D.), Cellular and Molecular Biology (CMB) Program, Member (2010-2014)

SCHOOL LEVEL

Major Service Roles

Dean's Leadership Council (DLC), member (2020-present)
Graduate Studies Committee, chair (2020-present)
Research Committee, chair (2020-present)
Instrumentation Committee, chair (2020-present)
Safety Committee, ex-officio member (2020-present)
Animal Use Committee, chair (2020-present)
Continuity of Operations Planning (COOP) Committee, member (2020-present)
Coordinating Committee for Academic Programs (CCAP), member (2020-present)
Equity, Diversity, and Climate Committee, chair (2017-2018)
Professional (Pharm.D.) Curriculum Committee, member (2015-2016)
Faculty Activities Review Committee, member (2014-2015)
Executive Committee, member (2014-present)
Climate Committee, member (2010-2012), chair (2012-2015)
Graduate Studies Committee (M.S. & Ph.D.), member (2009-2010)
Research Committee, member (2008-2009)

Faculty Search Committees

UW-Madison Cluster Hire Program, Cancer Therapeutics, chair (2018-2020)
Pharmaceutical Sciences, Drug Action Core, member (2016-2018)
Pharmacy Practice Division, member (2016-2017)
Social & Administrative Sciences, member (2016)

Staff Search Committees

Assistant Dean for Research Administration, chair (2023)
Post-Award Accountant, member (2022-2023)
Graduate Program Coordinator, chair (2020)
Content Marketing (Dean's Office), member (2018)
Financial Specialist (Business Office), member (2015)

Faculty Mentoring

Assistant Professor Peters (Pharmaceutical Sciences Division), chair (2018-present)
Assistant Professor Wenthur (Pharmacy Practice Division), member (2018-2024)
Assistant Professor Dai (Pharmaceutical Sciences), member (2017-present)
Assistant Professor Taylor (Pharmaceutical Sciences), chair (2015-2024)
Assistant Professor Abraham (Social and Administrative Sciences), member (2018-2022)
Assistant Professor Ford (Social and Administrative Sciences), member (2018-2022)
Assistant Professor Oakes (Pharmaceutical Sciences), member (2015-2017)

Student Affairs

Graduate Admissions (Ph.D.), Pharmaceutical Sciences, chair (2014-2016)
Awards Committee (Pharm.D.), Ron Borchardt Scholarship, chair (2015-2021)
Annual Research Day for Pharmaceutical Sciences, coordinator (2014-2016)
Graduate Admissions (Ph.D.), Pharmaceutical Sciences, member (2007-2014)

Other

Rennebohm Lecture Series (Bob Horvitz, Nobel Prize 2002), host & coordinator (2016)
Rennebohm Lecture Series (Mario Capecchi, Nobel Prize 2007), host & coordinator (2012)

PROFESSIONAL SERVICE

Editorial Roles

GENETICS, Senior Advisory Editor (2022-present)
G3: Genes, Genomes, Genetics, Associate Editor (2016-2022)
Genesis, The Journal of Genetics and Development, Editorial Board (2015-present)

Conference Organization

International Insect Hormones Workshop, Crete, Greece, Organizer (2019)
National Academy of Sciences (NAS), Japanese-American Frontier of Science (JAFoS), Organizing Committee (2014-2016)
Annual Drosophila Research Conference, Cell Cycle & Cell Death session, Moderator (2016)

Annual Drosophila Research Conference, Ecdysone Workshop, Organizer (2010-2012)

International Society Service

Genetics Society of America, International Strategic Planning Working Group, chair (2018)

Genetics Society of America, Early Career Scientist Communication Subcommittee, advisor (2017-2019)

International Insect Hormones Workshop, Scientific Advisory Committee (2014-present)

Ad hoc Journal Peer Reviewer

Autophagy, BMC Biology, Cell Death and Differentiation, Contact, Current Biology, Development, Developmental Biology, Developmental Cell, FASEB Journal, FEBS Journal, Frontiers in Endocrinology, G3: Genes Genomes Genetics, Genetics, Genesis, Insect Biochemistry and Molecular Biology, Journal of Cell Biology, JoVE, Mechanisms of Development, Methods in Enzymology, Molecular and Cellular Endocrinology, Open Biology, PLoS Genetics, and PLoS ONE

Grant Review panels

National Institutes of Health (NIH): Special Emphasis Panel, Fellowship: Cell Biology, Developmental Biology and Bioengineering (2018); DEV2 Study Section (2022). American Cancer Society: Institutional Research Grants (2018-2020). National Science Foundation (NSF) and the Research Foundation-Flanders (FWO; Belgium).

ACADEMICS

RESEARCH PRESENTATIONS

Invited Seminars/Symposia (selected)

- *Department of Neurobiology and Behavior, Stony Brook University, NY, Oct 2025 (upcoming)*
- *Department of Biochemistry and Molecular Biophysics, Kansas State University, KS, Oct 2025 (upcoming)*
- American Society for Biochemistry and Molecular Biology (ASBMB) Annual Meeting, Mar 2024, San Antonio, TX
- 11th International Meeting on Neuroacanthocytosis, Sept 2023, Homburg, Germany
- Cell Biology Department, NYU School of Medicine, May 2023, New York, NY
- 13th Vps13 Forum on Bridge-like Lipid Transfer Proteins, May 2023, virtual
- Plenary Speaker, Annual Drosophila Research Conference, Mar 2021, virtual
- International Insect Hormone Workshop, July 2017, Nasu, Japan
- School of Life Sciences, University of Science and Technology of China, June 2017, Hefei, China

Contributed Conference Platform Presentations (selected)

- Neuman, S.D., R. Thakur, K. Amin, S. J. Gratz, K. M. O'Connor-Giles, and A. Bashirullah. "Dissecting the role of bulk lipid transporters in human disease: a novel movement disorder model." Platform presentation, *66th Annual Drosophila Research Conference, San Diego, CA* Mar 2025
- Neuman, S.D., A. Cavanagh, and A. Bashirullah. "Dissecting mechanisms that target bulk lipid transport proteins to membrane contact sites." Platform presentation, *66th Annual Drosophila Research Conference, San Diego, CA* Mar 2025
- Neuman, S.D., Y. Kang, and A. Bashirullah. "Animal body size as a genetic readout of secretory capacity." Platform presentation, *International Insect Hormone Workshop, Crete, Greece* July 2019

- Neuman, S.D., Y. Kang, and A. Bashirullah. "Tango7 and dark regulate mutually-exclusive subcellular domains of caspase activation during development." Platform presentation, *59th Annual Drosophila Research Conference, Philadelphia, PA* Apr 2018
- Neuman, S.D., Y. Kang, and A. Bashirullah. "IAP-antagonist expression is not sufficient to induce caspase activation during *Drosophila* endogenous cell death." Platform presentation, *2017 Ecdysone Workshop, 58rd Annual Drosophila Research Conference, San Diego, CA* Mar 2017
- Neuman, S.D. and A. Bashirullah. "A screen for systematic growth regulators reveals *hobbit*, a novel and conserved regulator of insulin secretion" Platform presentation, *Gordon Research Conference, Protein Processing, Trafficking & Secretion, New London, NH* ["best talk" award] July 2016
- Neuman, S.D. and A. Bashirullah. "A screen for systematic growth regulators reveals *hobbit*, a novel and conserved regulator of insulin secretion" Platform presentation, *The Allied Genetics Conference 2016, Orlando, FL* July 2016
- Kang, Y., Castelvecchi, G., Braun, D. and A. Bashirullah. "A novel regulator of cell death, *bulsa*, controls nuclear shrinkage during apoptosis." Platform presentation, *56th Annual Drosophila Research Conference, Chicago, IL* Mar 2015

CLASSROOM TEACHING

Formal instruction. All courses team taught.

PhmSci 310: Drugs and Their Actions (enrollment: ~225; 2009-2024)

PhmSci 401: Survey of Pharmacology (also course coordinator; enrollment: ~250; 2009-2019)

PhmSci 522: Pharmacology II (also course coordinator; enrollment: ~130; 2010-present)

PhmSci 558: Laboratory Techniques in Pharmacology (enrollment: ~25; 2017-present)

PhmSci 623: Pharmacology III (enrollment: ~130; 2010-present)

PhmSci 780: Introduction to Pharmaceutical Sciences (enrollment: ~25; 2007-present)

MENTOR TEACHING

Graduate Student Mentoring
(current position in italics)

1. Robert J. Ihry, Ph.D., Cellular and Molecular Biology Graduate Program, 2009-2014
   Best Thesis Award, Cellular Molecular Biology, 2015
   Senior Principal Scientist, Novartis Institutes for BioMedical Research
2. Yunsik Kang, Ph.D., Genetics Graduate Program, 2009-2016
   Damon Runyon Postdoctoral Fellow, HHMI, Vollum Institute, Portland, OR
   Assistant Professor, Cell & Developmental Biology, University of Colorado, Anschutz Medical Campus, Denver, CO
3. Sarah D. Neuman, Ph.D., Cellular and Molecular Biology Graduate Program, 2012-2017
   NSF Graduate Fellow, 2013-2016
   Best Thesis Award, Cellular Molecular Biology, 2018
   Scientist II, Bashirullah lab
4. Annika Lee, M.S., Pharmaceutical Sciences Graduate Program, 2019-2020
   Associate Scientist II, Invenra

Research Staff Mentoring

Doug Braun, 2007-2014, 2024-present
Dena Johnson-Schlitz, 2014-2016
Sam Grund, 2017-2018
Jane Selegue, 2018-2021
Amy Cavanagh, 2018-2023
Sarah Neuman, 2017-present

Undergraduate Research Mentoring

I have mentored 32 UW-Madison undergraduate students through research internships in my lab, most stayed multiple years and some for all four years. Some went on to pursue graduate degrees (at Stanford, U of Washington, Wash U and Yale); most pursued professional degrees in healthcare.

Ph.D. Thesis Committees

I have served on 45 Ph.D. Thesis Committees for students in the following graduate programs:

Biochemistry (IPiB)	4
Cancer Biology	1
Cellular Molecular Biology (CMB)	7
Genetics	9
Integrative Biology (formerly Zoology)	1
Microbiology Doctoral Training Program (MDTP)	2
Molecular & Cellular Pharmacology (MCP)	1
Neuroscience	1
Pharmaceutical Sciences	19

ACTIVE RESEARCH GRANTS

NIH/NIGMS R01 GM155154 (07/2023 - 05/2028) $323,116/yr direct ($497,317/yr total)
Bashirullah (role: PI), "Analysis of bulk lipid transport at membrane contact sites"

RESEARCH PUBLICATIONS

1. Dziurdzik S.K., V. Sridhar, H. Eng, S.D. Neuman, J. Yan, M. Davey, S. Taubert, A. Bashirullah, E. Conibear (2025). Hoi1 targets the yeast BLTP2 protein to ER-PM contact sites to regulate lipid homeostasis. *bioRxiv 2025.02.11.637747; doi: https://doi.org/10.1101/2025.02.11.637747*
2. Neuman, S.D., R.S. Thakur, S.J. Gratz, K.M. O'Connor-Giles, and A. Bashirullah (2025). Neurodegenerative and neurodevelopmental roles for bulk lipid transporters *VPS13A* and *BLTP2*. ***Movement Disorders***, 40(7):1356-1368. doi:10.1002/mds.30178.
3. Bu, S., S.S.Y. Lau, W.L. Yong, H. Zhang, S. Thiagarajan, A. Bashirullah, F. Yu (2023). Polycomb group genes are required for neuronal pruning in *Drosophila*. ***BMC Biology***, 21(1):33
4. Brashi, B., E.A. Bruford, A.T. Cavanagh, S.D. Neuman, and A. Bashirullah (2022). The bridge-like lipid transfer protein (BLTP) gene group: introducing new nomenclature based on structural homology indicating shared function. ***Human Genomics***, 16(1):66
5. Neuman, S.D., T.P. Levine, and A. Bashirullah (2022). A novel superfamily of bridge-like lipid transfer proteins. ***Trends in Cell Biology***, 32(11): 962-974 (Invited Review)

6. Neuman, S.D., Jorgensen, J.R., Cavanagh, A.T., Smyth, J.T., Selegue, J.E., Emr, S.D., and A. Bashirullah (2022). The Hob proteins are novel and conserved lipid binding proteins at ER-PM contact sites. ***Journal of Cell Science***, 135(5):jcs259086 (special issue on Cell Biology of Lipids)
7. Neuman, S.D., A. Cavanagh and A. Bashirullah (2021). The Hob proteins: Putative novel lipid transfer proteins at ER-PM contact sites. ***Contact***, 4:1-3 (Invited Commentary)
8. Neuman, S.D., Lee, A.R., Selegue, J.E., Cavanagh, A.T., and A. Bashirullah (2021). A novel function for Rab1 and Rab11 during secretory granule maturation. ***Journal of Cell Science***, 134(15):jcs259037
9. Neuman, S.D., E.L. Terry, J.E. Selegue, A.T. Cavanagh, & A. Bashirullah. (2021). Mistargetting of secretory cargo in retromer-deficient cells. ***Disease Models & Mechanisms***, 14:dmm046417
10. Vasudevan, D., S.D. Neuman, A.Yang, L. Lough, B. Brown, A. Bashirullah, T. Cardozo, H.D. Ryoo (2020). Translation of the stress response mediator ATF4 requires noncanonical initiation factors eIF2D and DENR. ***Nature Communications***, 11(1):4677
11. Brooks, D., F. Naeem, M. Stetsiv, N. Green, C. Clark, A. Bashirullah, and E.R. Geisbrecht (2020). *Drosophila* NUAK functions with Starvin/BAG3 in autophagic protein turnover. ***PLoS Genetics***, 16(4): e1008700
12. Neuman, S.D. & Bashirullah, A. (2018). Reconsidering the passive diffusion model of steroid hormone cellular entry. ***Developmental Cell***, 47(3):261-262
13. Baker, L.R., Weasner, B.P., Nagel, A., Neuman, S.D., Bashirullah, A., & Kumar, J.P. (2018). Eyeless/Pax6 initiates eye formation non-automously from the peripodial epithelium. ***Development***, 145: dev163329
14. Neuman, S.D. & Bashirullah, A. (2018). *Hobbit* regulates intracellular trafficking to drive insulin-dependent growth during *Drosophila* development. ***Development***, 145: dev161356
15. Pallilyil, S., Zhu, J., Baker, L.R., Neuman, S.D., Bashirullah, A., & Kumar, J.P. (2018). Allocation of distinct organ fates from a precursor field requires a shift in expression and function of gene regulatory networks. ***PLoS Genetics***, 14(1): e1007185
16. Kang, Y., Neuman, S.D., and A. Bashirullah (2017). Tango7 regulates cortical activity of caspases during *reaper*-triggered changes in tissue elasticity. ***Nature Communications***, 8(1):603
17. Kang, Y., K. Marischuk, G. Castelvecchi, and A. Bashirullah (2017). HDAC inhibitors disrupt programmed resistance to apoptosis during *Drosophila* development. ***G3: Genes, Genomes, Genetics***, 7(6): 1985-1993
18. Weasner, B.M., B.P. Weasner, S.D. Neuman, A. Bashirullah and J.P. Kumar (2016). Retinal expression of the Drosophila eyes absent gene is controlled by several cooperatively acting cis-regulatory elements. ***PLoS Genetics***, 12(12): e1006462
19. Neuman, S.D., Ihry, R.J., Gruetzmacher, K.M. and A. Bashirullah (2014). INO80-dependent regression of ecdysone-induced transcriptional responses regulates developmental timing in Drosophila. ***Developmental Biology***, 387(2): 229-39
20. Ihry, R.J. and A. Bashirullah (2014). Genetic control of specificity to steroid-triggered responses in Drosophila. ***Genetics***, 196(3): 767-80
21. Kang, Y. and A. Bashirullah (2014). A steroid-controlled global switch in sensitivity to apoptosis during Drosophila development. ***Developmental Biology***, 386(1): 34-41
22. Sapiro, A.L., Ihry, R.J., Buhr, D.L., Konieczko, K.M., Ives, S.M., Engstrom, A.K., Wleklinski, N.P., Kopish, K.J. and A. Bashirullah (2013). Rapid recombination mapping for high-throughput genetic screens in Drosophila. ***G3: Genes, Genomes, Genetics***, 3(12): 2313-2319
23. Ihry, R.J., Sapiro, A.L. and A. Bashirullah (2012). Translational control by DEAD box RNA helicase *belle* regulates ecdysone-triggered transcriptional cascades. ***PLoS Genetics***, 8(11):e1003085
24. Kirilly, D., Gu, Y., Huang, Y., Wu, Z., Bashirullah, A., Low, B.C., Kolodkin, A.L., Wang, H. and F. Yu (2009). A genetic pathway composed of Sox14 and Mical governs severing of dendrites during pruning. ***Nature Neuroscience*** 12, 1497-1505
25. Wang, L., Evans, J., Andrews, H.K., Beckstead, R.B., Thummel, C.S., and A. Bashirullah (2008). A genetic screen identifies new regulators of steroid-triggered programmed cell death in Drosophila. ***Genetics*** 180, 269-281

26. Bashirullah, A., Lam, G., Yin, V., and C.S. Thummel (2007). dTrf2 is required for transcriptional and developmental responses to ecdysone during Drosophila metamorphosis. ***Developmental Dynamics*** 236, 3173-3179
27. Yin, V., Thummel, C.S., and A. Bashirullah (2007). Down-regulation of IAP levels provides competence for steroid-triggered cell death. ***Journal of Cell Biology*** 178, 85-92.
28. Wang, H., Somers, G.W., Bashirullah, A., Heberlein, U., Yu, F., and W. Chia (2006). Aurora-A acts as a tumor suppressor and regulates self-renewal of Drosophila neuroblasts. ***Genes & Development*** 20, 3453-3463
29. Lee, C-Y, Andersen, R.O., Cabernard, C. Manning, L. Tran, K.D., Lanskey, M.J., Bashirullah, A., and C.Q. Doe (2006). Drosophila Aurora-A kinase inhibits neuroblast self-renewal by regulating aPKC/Numb cortical polarity and spindle orientation. ***Genes & Development*** 20, 3464-3474
30. Bashirullah, A., Pasquinelli, A.E., Kiger, A.A., Perrimon, N., Ruvkun, G., Thummel, C.S. (2003). Coordinate regulation of small temporal RNAs at the onset of Drosophila metamorphosis. ***Developmental Biology*** 259, 1-8
31. Ward, R.E., Reid, P., Bashirullah, A., D'Avino, P.P., Thummel, C.S. (2003). GFP in living animals reveals dynamic developmental responses to ecdysone during Drosophila metamorphosis. ***Developmental Biology*** 256, 389-402
32. Tadros, W., Houston, S.A., Bashirullah, A., Cooperstock, R.L., Semotok, J.L., Reed, B.H., Lipshitz, H.D. (2003). Regulation of maternal transcript destabilization during egg activation in Drosophila. ***Genetics*** 164, 989-1001
33. Bashirullah, A., Cooperstock, R.L., Lipshitz, H.D. (2001). Spatial and temporal control of RNA stability. ***Proc Natl Acad Sci USA*** 98, 7025-7028
34. Verdi, J.M., Bashirullah, A., Goldhawk, D.E., Kubu, C.J., Jamali, M., Meakin, S.O., Lipshitz, H.D. (1999). Distinct human NUMB isoforms regulate differentiation and proliferation in the neuronal lineage. ***Proc Natl Acad Sci USA*** 96, 10472-10476
35. Bashirullah, A., Halsell, S.R., Cooperstock, R., Karaiskakis, A., Fisher, W.W., Fu, W., Hamilton, J.K., and Lipshitz, H.D. (1999). Joint action of two RNA degradation pathways controls the timing of maternal transcript elimination at the midblastula transition in Drosophila melanogaster. ***EMBO Journal*** 18, 2610-2620
36. Bashirullah, A., Cooperstock, R.L., and Lipshitz, H.D. (1998). RNA localization in development. ***Annual Review of Biochemistry*** 67, 335-394
37. Cohen, B., Bashirullah, A., Dagnino, L., Campbell, C., Fisher, W.W., Leow, C.C., Whiting, E., Ryan, D., Zinyk, D., Boulianne, G., Hui, C.C., Gallie, B., Phillips, R.A., Lipshitz, H.D., and Egan, S.E. (1997). Fringe boundaries coincide with Notch-dependent patterning centres in mammals and alter Notch-dependent development in Drosophila. ***Nature Genetics*** 16, 283-288
38. Verdi, J.M., Schmandt, R., Bashirullah, A., Jacob, S., Salvino, R., Craig, C.G., Amgen EST Program, Lipshitz, H.D., and McGlade, C.J. (1996). Mammalian NUMB is an evolutionarily conserved signaling adapter protein that specifies cell fate. ***Current Biology*** 6, 1134-1145