

CURRICULUM VITAE

Howard David Lipshitz

CONTACT INFORMATION:

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EDUCATION:

University of Natal[#], Durban, Natal, South Africa
1976 B. Sc., Biological Sciences and Mathematical Statistics
1977 B. Sc. (Hons.) *cum laude*, Biological Sciences
Yale University, New Haven, Connecticut
1980 M. Phil., Biology
1983 Ph. D., Biology
Stanford University, Stanford, California
1983 – 1986 Postdoctoral, Biochemistry

ACADEMIC LEADERSHIP POSITIONS HELD:

Current

None

Previous

1996: Acting Head, Program in Developmental Biology, Research Institute, The Hospital for Sick Children, Toronto, Canada.
1997 – 2001: Associate Director (Faculty Development), Research Institute, The Hospital for Sick Children, Toronto, Canada.
2001 – 2005: Head, Program in Developmental Biology, Research Institute, The Hospital for Sick Children, Toronto, Canada.
2007 – 2010: Associate Director, Terrence Donnelly Centre for Cellular & Biomolecular Research, University of Toronto, Toronto, Canada.
2005 – 2016: Chair, Department of Molecular Genetics, University of Toronto, Toronto, Canada.
2015 – 2020 Co-Director, Joint Institute of Genetics and Genome Medicine, University of Toronto – Zhejiang University.
2016 – 2022 Senior Advisor to the Chair on International Partnerships, Department of Molecular Genetics, University of Toronto, Canada.

ACADEMIC APPOINTMENTS:

Current

1995 – present Professor, Department of Molecular Genetics, University of Toronto, Canada.
1995 – present Member, Collaborative Graduate Specialization in Developmental Biology, University of Toronto, Canada.

[#] Now the University of Kwazulu-Natal

Previous

1986 – 1992:	Assistant Professor, Division of Biology, California Institute of Technology, Pasadena, California
1992 – 1995:	Associate Professor (with tenure), Division of Biology, California Institute of Technology, Pasadena, California
1995 – 1999:	Visiting Associate, Division of Biology, California Institute of Technology, Pasadena, California
1995 – 2017:	Senior Scientist, Program in Developmental & Stem Cell Biology, Research Institute, The Hospital for Sick Children, Toronto, Canada.
1996 – 1998:	Senior Scientist, Department of Genetics, The Hospital for Sick Children, Toronto, Canada.
1999 – 2008	Member, Institute of Medical Science, University of Toronto, Toronto, Canada.
2002 – 2008:	Canada Research Chair in Developmental Biology (Tier 1), University of Toronto, Toronto, Canada.
2012 – 2018	Honorary Professor, Department of Biochemistry, University of Hong Kong
2018 – 2019	Honorary Professor, School of Biomedical Sciences, University of Hong Kong
2015 – 2017	Adjunct Professor, Zhejiang University School of Medicine, Hangzhou, China
2017 – 2020	Qiushi Chair Professor, Zhejiang University School of Medicine, Hangzhou, China
2017	Gordon and Betty Moore Distinguished Scholar, California Institute of Technology, USA

HONORS & AWARDS:

- University of Natal Scholarship (1973 – 1976)
- Damant Science Prize, University of Natal (1975)
- Council for Scientific and Industrial Research Scholarship (held at University of Natal) (1976)
- South African National Scholarship (held at Yale University) (1978 – 1980)
- Yale University Graduate Fellowship (1978, 1979 – 1981)
- Davenport Hooker Memorial Fellowship in the Biological Sciences, Yale University (1978 – 1979)
- Sigma Xi, The Scientific Research Society, Grant-in-Aid of Research (held at Yale University) (1980 – 1981)
- Helen Hay Whitney Foundation Postdoctoral Fellowship (held at Stanford University) (1983 – 1986)
- Searle Scholar (held at California Institute of Technology) (1988 – 1991)
- Fellow, American Association for the Advancement of Science (1990)
- Canada Research Chair (Tier 1) in Developmental Biology (held at University of Toronto) (2002 – 2008)
- Elliot Osserman Award for Distinguished Service in Support of Cancer Research, Israel Cancer Research Fund (2008)
- Honorary Professor, Department of Biochemistry, University of Hong Kong (2012 – 2015)
- Honorary Professor, School of Biomedical Sciences, University of Hong Kong (2018-2019)
- Adjunct Professor, Zhejiang University School of Medicine, Hangzhou, China (2015 – 2017)
- Gordon and Betty Moore Distinguished Scholar, California Institute of Technology (2017)
- Qiushi Chair Professor, Zhejiang University School of Medicine, Hangzhou, China (2017 – 2020)
- Full Member, Sigma Xi: The Scientific Honor Society (2023)

ELECTED OFFICE/SERVICE:

Current

- Scientific Advisory Committee, “Rare Diseases: Models & Mechanisms Network”, Canadian Institutes of Health Research (2012 – present)

- Board of Directors, Genetics Society of America (2021 – present).
- Member, Publications Committee, Genetics Society of America (2021 – present)
- Member of Board of Directors, RNA Canada ARN (2022 – present)
- Chair, Board of Directors, RNA Canada ARN (2023 – present)

Previous

- Federation of American Societies of Experimental Biology, Research Conference Advisory Committee (2001 – 2003; Committee Chair, 2003)
- Society for Developmental Biology, Board of Directors (Canada Representative; 2000 – 2006)
- The Gairdner Foundation, Medical Review Panel, Toronto (2002 – 2007)
- National *Drosophila* Board, Bethesda, Maryland (Canada Representative; 2006 – 2009)
- Co-Director, Canadian *Drosophila* Microarray Centre, University of Toronto, Mississauga (2000 – 2015)
- Developmental Genetics & Birth Defects Priority and Planning Committee, Institute of Genetics, Canadian Institutes of Health Research (2002 – 2012)
- International Scientific Advisory Board, Israel Cancer Research Fund, New York, NY (2008 – 2012)
- Advisory Committee on “Hundred Talents Recruiting Program”, College of Life Sciences, Zhejiang University, China (2014 – 2020)
- Co-Director & Member of the Executive Committee, Joint Institute of Genetics and Genome Medicine, University of Toronto – Zhejiang University (2015 – 2020).
- Ad Hoc Committee on Rejuvenation of the Annual *Drosophila* Research Conference, National *Drosophila* Board, USA (2016)
- Canadian Society for Molecular Biosciences, Advocacy & Communications Committee, Member-at-Large (2020 – 2024)
- Chair, Publications Committee, Genetics Society of America (2019 – 2020).

EDITORIAL BOARDS:

Current

- Editor in Chief, *GENETICS* (2021 – present)

Previous

- Guest Editor, *The FASEB Journal* (March 1999; Special issue on RNA Localization)
- Consulting Editor, *Pediatric Research* (2002 – 2005)
- Associate Editor, *Zygote* (1993 – 2014)
- Editorial Board, *Differentiation* (2000 – 2013)
- Editorial Board, *Developmental Dynamics* (2004 – 2015)
- Associate Editor, *G3: Genes/Genomes/Genetics* (2011 – 2016)
- Managing Guest Editor, *Methods* (2017; Special Issue on Post-transcriptional Regulation)
- Senior Editor, *G3: Genes/Genomes/Genetics* (2016 – 2020)

GRANT REVIEW PANEL MEMBERSHIP:

Current

- Canadian Institutes of Health Research, College of Reviewers (2017 – present)
- Canadian Institutes of Health Research, Genomics, Systems & Computational Biology (GMX) Grant Review Panel (2019 – present)

Previous

- National Institutes of Health, Special Study Section, Member (1989)
- American Cancer Society, Nucleic Acids & Proteins Study Section, Member (1990)
- American Heart Association, Greater Los Angeles Affiliate, Study Section (1993)
- National Science Foundation, Eukaryotic Genetics Advisory Panel (1993 – 1996)

- American Cancer Society (California Division), Fellowship Committee (1994 –1997)
- Ontario Genomics Institute/Genome Canada Review Panel (2001)
- National Cancer Institute of Canada, review Panel H (2000 – 2003)
- Israel Cancer Research Fund, Scientific Review Panel A, New York (2006 – 2008)
- Canadian Institutes of Health Research, Innovative Technology/High Risk Grants Panel (2007 – 2010)

MEMBERSHIP IN PROFESSIONAL SOCIETIES (CURRENT):

- American Association for the Advancement of Science (elected Fellow, 1990)
- Genetics Society of America
- Society for Developmental Biology
- Canadian Society for Molecular Biosciences
- RNA Society
- Council of Science Editors
- Sigma Xi, The Scientific Honor Society

PUBLICATIONS:

(* = corresponding author; underline = H.L.'s trainees/staff):

1. **Lipshitz, H.D.**, Berjak, P., Pammenter, N.W., and Davey, J.E. (1975) A note on the apparent redistribution of crabs in the Saco mangrove swamp, Inhaca Island, Mocambique. *South African Journal of Science* **71**, 55-57. [Note: Surname was misspelled on publication as Lipschitz.]
2. *Kankel, D.R. and **Lipshitz, H.D.** (1981) Allelic variability at loci affecting the development and function of the visual system. In: "Genetic Dissection of Behavior in *Drosophila*", Proc. Seventh International Symposium, Division of Physics, Tanaguchi Foundation, Japan (Ed.: Y. Hotta), Pp. 215-238.
3. **Lipshitz, H.D.** and *Kankel, D.R. (1985) Developmental interactions between the peripheral and central nervous system in *Drosophila melanogaster*: analysis of the mutant, *two-faced*. *Developmental Biology* **107**, 1-12.
4. **Lipshitz, H.D.** and *Kankel, D.R. (1985) Specificity of gene action during central nervous system development in *Drosophila melanogaster*: analysis of the *lethal (1) optic ganglion reduced* locus. *Developmental Biology* **108**, 56-77.
5. *Hogness, D.S., **Lipshitz, H.D.**, Beachy, P.A., Peattie, D.A., Saint, R.B., Goldschmidt-Clermont, M., Harte, P.J., Gavis, E.R., Helfand, S.L. (1985) Regulation and products of the *Ubx* domain of the bithorax complex. *Cold Spring Harbor Symposia on Quantitative Biology* **50**, 181-194.
6. **Lipshitz, H.D.**, Peattie, D.A. and *Hogness, D.S. (1987) Novel transcripts from the *Ultrabithorax* domain of the bithorax complex. *Genes & Development* **1**, 307-322.
7. *Thummel, C.S., Boulet, A. M. and ***Lipshitz, H.D.** (1988) Vectors for *Drosophila* P-element-mediated transformation and tissue culture transfection. *Gene* **74**, 445-456.
8. Strecker, T.R., Halsell, S.R., Fisher, W.W. and ***Lipshitz, H.D.** (1989) Reciprocal effects of hyper- and hypoactivity mutations in the *Drosophila* pattern gene *torso*. *Science* **243**, 1062-1066.
9. Palazzolo, M.J., Hamilton, B.A., Ding, D., Martin, C.H., Mead, D.A., Mierendorf, R.C, Vijay Raghavan, K., *Meyerowitz, E.M. and ***Lipshitz, H.D.** (1990) Phage lambda cDNA cloning vectors for subtractive hybridization, fusion protein expression and Cre-*loxP* automatic plasmid subcloning. *Gene* **88**, 25-36.
10. Strecker, T.R. and ***Lipshitz, H.D.** (1990) Functions of the *Drosophila* terminal genes in establishing embryonic pattern. In: "Developmental Biology", UCLA Symposia on Molecular and Cellular Biology, New Series, Volume 125, Eds: E. Davidson, J. Ruderman, J. Posakony, Wiley-Liss, N.Y., Pp. 85-94.

11. Strecker, T.R., Yip, M.-L.R. and ***Lipshitz, H.D.** (1991) Zygotic genes that mediate torso receptor tyrosine kinase functions in the *Drosophila* embryo. *Proceedings of the National Academy of Sciences USA* **88**, 5824-5828.
12. **Lipshitz, H.D.** (1991) Axis specification in the *Drosophila* embryo. *Current Opinion in Cell Biology* **3**, 966-975.
13. Strecker, T.R., Yip, M.-L.R. and ***Lipshitz, H.D.** (1992) Genetic control of cell fate in the termini of the *Drosophila* embryo. *Developmental Biology* **150**, 422-426.
14. *Parkhurst, S.M., Lipshitz, H.D. and Ish-Horowitz, D. (1993) Achaete-scute feminizing activities and *Drosophila* sex-determination. *Development* **117**, 737-749.
15. Ding, D., Parkhurst, S.M. and ***Lipshitz, H.D.** (1993) Different genetic requirements for anterior RNA localization revealed by the distribution of *Adducin-like* transcripts during *Drosophila* oogenesis. *Proceedings of the National Academy of Sciences USA* **90**, 2512-2516.
16. Ding, D., Parkhurst, S.M., Halsell, S.R. and ***Lipshitz, H.D.** (1993) Dynamic *Hsp83* RNA localization during *Drosophila* oogenesis and embryogenesis. *Molecular & Cellular Biology* **13**, 3773-3781.
17. Ding, D. and ***Lipshitz, H.D.** (1993) A molecular screen for polar-localized maternal RNAs in the early embryo of *Drosophila*. *Zygote* **1**, 257-271.
18. Ding, D. and ***Lipshitz, H.D.** (1993) Localized RNAs and their functions. *BioEssays* **15**, 651-658.
19. Ding, D., Whittaker, K.L. and ***Lipshitz, H.D.** (1994) Mitochondrially encoded 16S large ribosomal RNA is concentrated in the posterior polar plasm of early *Drosophila* embryos but is not required for pole cell formation. *Developmental Biology* **163**, 503-515.
20. Ding, D. and ***Lipshitz, H.D.** (1994) Spatially regulated expression of retrovirus-like transposons during *Drosophila melanogaster* embryogenesis. *Genetical Research* **64**, 167-181.
21. **Lipshitz, H.D.** (Editor) (1995) *Localized RNAs*. Molecular Biology Intelligence Unit. R.G. Landes Co., Austin, Texas/Springer, New York, 322 pp.
22. **Lipshitz, H.D.** (1995) Introduction. In: *Localized RNAs*. (Lipshitz, H., Ed.) Molecular Biology Intelligence Unit. R.G. Landes Co., Austin, Texas. Pp. 1 - 8.
23. Halsell, S.R. and ***Lipshitz, H.D.** (1995) Mechanisms and functions of RNA localization to the posterior pole of the *Drosophila* oocyte and early embryo. In: *Localized RNAs*. (Lipshitz, H., Ed.) Molecular Biology Intelligence Unit. R.G. Landes Co., Austin, Texas. Pp. 9 - 39.
24. Whittaker, K.L. and ***Lipshitz, H.D.** (1995) Mechanisms and functions of RNA localization to the anterior pole of the *Drosophila* oocyte and early embryo. In: *Localized RNAs*. (Lipshitz, H., Ed.) Molecular Biology Intelligence Unit. R.G. Landes Co., Austin, Texas. Pp. 41 - 61.
25. Zaccai, M. and ***Lipshitz, H.D.** (1996) Differential distributions of two adducin-like protein isoforms in the *Drosophila* ovary and early embryo. *Zygote* **4**, 159-166.
26. *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.
27. **Lipshitz, H.D.** (1996) Resynthesis or revisionism? (letter to the editor) *Developmental Biology* **177**, 616-618.
28. Zaccai, M. and ***Lipshitz, H.D.** (1996) Roles of *Adducin-like (hu-li tai shao)* mRNA and protein localization in regulating cytoskeletal structure and function during *Drosophila* oogenesis and early embryogenesis. *Developmental Genetics* **19**, 249-257.
29. Yip, M.L.R. and ***Lipshitz, H.D.** (1996) The terminal gene hierarchy of *Drosophila* and the genetic control of tissue specification and morphogenesis. *Advances in Developmental Biology* Volume 4 (Wassarman, P., Ed.) JAI Press, Connecticut. Pp. 83-146.
30. Yip, M.L.R., Lamka, M.L. and ***Lipshitz, H.D.** (1997) Control of germ band retraction in *Drosophila* by the Zinc-finger protein HINDSIGHT. *Development* **124**, 2129-2141.

31. Cohen, B., Bashirullah, A., Dagnino, L., Campbell, C., Fisher, W., Whiting, E., Leow, C.C., 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 centers in mammals and alter Notch-dependent development in *Drosophila*. *Nature Genetics* **16**, 283-288.
32. Cooperstock, R.L. and ***Lipshitz, H.D.** (1997) Control of mRNA stability and translation during *Drosophila* development. *Seminars in Cell & Developmental Biology* **8**, 541-549.
33. Bashirullah, A., Cooperstock, R. and ***Lipshitz, H.D.** (1998) RNA localization in development. *Annual Review of Biochemistry* **67**, 335-394.
34. Bashirullah, A., Halsell, S.R., Cooperstock, R.L., Kloc, M., Karaiskakis, A., Fisher, W.W., Fu, W., Hamilton, J.K., Etkin, L.D. 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.
35. *Etkin, L.D. and ***Lipshitz, H.D.** (1999) RNA localization. *FASEB Journal* **13**, 419-420.
36. *Verdi, J.M., Bashirullah, A., Goldhawk, D.E., Kubu, C.J., Jamali, M., Meakin, S.O. and **Lipshitz, H.D.** (1999) Distinct human NUMB isoforms regulate differentiation versus proliferation in the neuronal lineage. *Proceedings of the National Academy of Sciences USA* **96**, 10472-10476.
37. Lamka, M.L. and ***Lipshitz, H.D.** (1999) The role of the amnioserosa in germ band retraction of the *Drosophila melanogaster* embryo. *Developmental Biology* **214**, 102-112.
38. Whittaker, K.L., Ding, D., Fisher, W.W. and ***Lipshitz, H.D.** (1999) Different 3' untranslated regions target alternatively processed *hu-li tai shao* (*hts*) transcripts to distinct cytoplasmic locations during *Drosophila* oogenesis. *Journal of Cell Science* **112**, 3385-3398.
39. Wilk, R., Reed, B.H., Tepass, U. and ***Lipshitz, H.D.** (2000) The *hindsight* gene is required for epithelial maintenance and differentiation of the tracheal system in *Drosophila*. *Developmental Biology* **219**, 183-196.
40. **Lipshitz, H.D.** (2000) Flying into the post-genome era. (News & Views) *Journal of Pediatric Gastroenterology & Nutrition* **31**, 1-2.
41. ***Lipshitz, H.D.** and Smibert, C.A. (2000) Mechanisms of RNA localization and translational regulation. *Current Opinion in Genetics & Development* **10**, 476-488.
42. Pannell, D., Osborne, C.S., Yao, S., Sukonnik, T., Pasceri, P., Karaiskakis, A., Okano, M., Li, E., **Lipshitz, H.D.** and *Ellis, J. (2000) Gene silencing by MoMLV and HIV-1 vectors is de novo methylase-independent and marked by a repressive histone code. *EMBO Journal* **19**, 5884-5894.
43. Cooperstock, R.L. and ***Lipshitz, H.D.** (2001) RNA localization and translational regulation during axis specification in the *Drosophila* oocyte. *International Review of Cytology* **203**, 541-566.
44. Bashirullah, A., Cooperstock, R.L. and ***Lipshitz, H.D.** (2001) Spatial and temporal control of RNA stability. *Proceedings of the National Academy of Sciences USA* **98**, 7025-7028.
45. Reed, B.A., Wilk, R. and ***Lipshitz, H.D.** (2001) Downregulation of Jun kinase signaling in the amnioserosa is essential for dorsal closure of the *Drosophila* embryo. *Current Biology* **11**, 1098-1108.
46. Pickup, A.T., Lamka, M.L., Sun, Q., Yip, M.L.R. and ***Lipshitz, H.D.** (2002) Control of photoreceptor cell morphology, planar polarity and epithelial integrity during *Drosophila* eye development. *Development* **129**, 2247-2258.
47. Tadros, W., Houston, S.A., Bashirullah, A., Cooperstock, R.L., Semotok, J.L., Reed, B.H. and ***Lipshitz, H.D.** (2003) Regulation of maternal transcript destabilization during egg activation in *Drosophila*. *Genetics* **164**, 989-1001.
48. *Burtis, K.C., Hawley, R.S. and ***Lipshitz, H.D.** (2003) The 2003 Thomas Hunt Morgan Medal: David S. Hogness. *Genetics* **164**, 1243-1245.

49. **Lipshitz, H.D.** (Editor) (2004) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Kluwer Academic Publishers, Boston, Massachusetts. (ISBN-4020-7591-X; 576 pp.)
50. **Lipshitz, H.D.** (2004) E.B. Lewis and his science. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Kluwer Academic Publishers, Boston, Massachusetts. Pp. 3-9.
51. **Lipshitz, H.D.** (2004) Lewis and the nature of the gene. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Kluwer Academic Publishers, Boston, Massachusetts. Pp. 13-29.
52. **Lipshitz, H.D.** (2004) Lewis and the genetic control of development. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Kluwer Academic Publishers, Boston, Massachusetts. Pp. 157-174.
53. **Lipshitz, H.D.** (2004) Lewis and the molecular control of development. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Kluwer Academic Publishers, Boston, Massachusetts. Pp. 275-286.
54. **Lipshitz, H.D.** (2004) Lewis and the somatic effects of ionizing radiation. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Kluwer Academic Publishers, Boston, Massachusetts. Pp. 389-404.
55. Wilk, R., Pickup, A.T. and ***Lipshitz, H.D.** (2004) Epithelial morphogenesis. In: Encyclopedia of Molecular Cell Biology & Molecular Medicine, Vol. 4 (2nd Edition). Pp. 277-304 (Ed: R.A. Myers). Wiley-VCH, Weinheim, Germany.
56. Reed, B.H., Wilk, R., Schöck, F. and ***Lipshitz, H.D.** (2004) Integrin-dependent apposition of *Drosophila* extraembryonic membranes promotes morphogenesis and prevents anoikis. *Current Biology* **14**, 372-380
57. **Lipshitz, H.D.** (2004) Professor Edward Lewis: Nobel prizewinning classical geneticist who discovered "master regulator" genes (Obituary). *The Independent (UK)* 27 July 2004, P. 34.
58. **Lipshitz, H.D.** (2004) From fruit flies to fallout: Ed Lewis and his science. *Journal of Genetics* **83**, 201-218.
59. Wilk, R., Pickup, A.T., Hamilton, J.K., Reed, B.H., and ***Lipshitz, H.D.** (2004) Dose-sensitive autosomal modifiers identify candidate genes for tissue autonomous and tissue non-autonomous regulation by the *Drosophila* nuclear zinc-finger protein, Hindsight. *Genetics* **168**, 281-300.
60. Tadros, W. and ***Lipshitz, H.D.** (2005) Setting the stage for development: mRNA translation and stability during oocyte maturation and egg activation in *Drosophila*. *Developmental Dynamics* **232**, 593-608.
61. **Lipshitz, H.D.** (2005) From fruit flies to fallout: Ed Lewis and his science. *Developmental Dynamics* **232**, 529-546 (reprint of *J. Genetics*, 2004 article)
62. Semotok, J.L., Cooperstock, R.L., Pinder, B.D., Vari, H.K., ***Lipshitz, H.D.** and *Smibert, C.A. (2005) Smaug recruits the CCR4/POP2/Not deadenylase complex to trigger maternal transcript localization in the early *Drosophila* embryo. *Current Biology* **15**, 284-294.
63. **Lipshitz, H.D.** (2006) Biographical Memoir: Edward B. Lewis. *Proceedings of the American Philosophical Society* **150**, 379-395.
64. Tadros, W., Goldman, A., Babak, T., Menzies, F., Vardy, L., Orr-Weaver, T., Hughes, T.R., Smibert, C.A., Westwood, J.T., ***Lipshitz, H.D.** (2007) SMAUG is a major regulator of maternal mRNA destabilization in *Drosophila* and its translation is activated by the PAN GU kinase. *Developmental Cell* **12**, 143-155.
65. de Velasco, B., Erclik, T., Shy, D., Sclafani, J., **Lipshitz, H.D.,** McInnes, R.R., *Hartenstein, V. (2007) Specification and development of the pars intercerebralis and pars lateralis, neuroendocrine command centers in the *Drosophila* brain. *Developmental Biology* **302**:309-23.

66. Wilk, R., ***Lipshitz, H.D.** (2007) Epithelial Morphogenesis. In: *Principles of Developmental Genetics* (S.A. Moody, editor) Elsevier/Academic Press, Pp. 424-447.
67. Tadros, W., Westwood, J.T., ***Lipshitz, H.D.** (2007) The mother-to-child transition. *Developmental Cell* **12**, 847-849.
68. Semotok, J.L., ***Lipshitz, H.D.** (2007) Regulation and function of maternal mRNA destabilization during early *Drosophila* development. *Differentiation* **75**, 482-506.
69. Nelson, M.R., Luo, H., Cox, B.J., Simmonds, A.J., Krause, H.M., ***Lipshitz, H.D.**, *Smibert, C.A. (2007) A multiprotein complex that mediates translational enhancement in *Drosophila*. *Journal of Biological Chemistry* **282**, 34031-34038.
70. **Lipshitz, H.D.** (Editor) (2007) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Second Edition (Revised & Expanded), Springer, Dordrecht. 597 pages. ISBN 978-1-4020-6343-5.
71. **Lipshitz, H.D.** (2007) E.B. Lewis and his science. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Second Edition (Revised & Expanded), Springer, Dordrecht. Pp. 3-10.
72. **Lipshitz, H.D.** (2007) Lewis and the nature of the gene. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Second Edition (Revised & Expanded), Springer, Dordrecht. Pp. 27-43.
73. **Lipshitz, H.D.** (2007) Lewis and the genetic control of development. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Second Edition (Revised & Expanded), Springer, Dordrecht. Pp. 179-198.
74. **Lipshitz, H.D.** (2007) Lewis and the molecular control of development. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Second Edition (Revised & Expanded), Springer, Dordrecht. Pp. 299-310.
75. **Lipshitz, H.D.** (2007) Lewis and the somatic effects of ionizing radiation. In: **Lipshitz, H.D.** (Editor) "Genes, Development & Cancer: The Life and Work of Edward B. Lewis", Second Edition (Revised & Expanded), Springer, Dordrecht. Pp. 415-431.
76. Erclik, T., Hartenstein, V., ***Lipshitz, H.D.**, *McInnes, R.R. (2008) Conserved role of the *Vsx* genes supports a monophyletic origin for bilaterian visual systems. *Current Biology* **18**, 1278-1287
77. Semotok, J.L., Westwood, J.T., Goldman, A.L., Cooperstock, R.L., ***Lipshitz, H.D.** (2008) Measuring mRNA stability during early *Drosophila* embryogenesis. In: *Methods in Enzymology, Volume 448: RNA Turnover, Part B*, L.E. Maquat & M. Kiledjian (Editors), Elsevier, Pp. 299-334 (Chapter 16).
78. Semotok, J.L., Luo, H., Cooperstock, R.L., Karaiskakis, A., Vari, H.K., Smibert, C.A., ***Lipshitz, H.D.** (2008) *Drosophila* maternal *Hsp83* mRNA destabilization is directed by multiple SMAUG recognition elements in the open reading frame. *Molecular & Cellular Biology* **28**, 6757-6772.
79. Benoit, B., He, C.H., Zhang, F., Votruba, S.M., Tadros, W., Westwood, J.T., Smibert, C.A., **Lipshitz, H.D.**, *Theurkauf, W.E. (2009) An essential role for the RNA-binding protein Smaug during the *Drosophila* maternal-to-zygotic transition. *Development* **136**, 923-932.
80. Pickup, A.T., Ming, L., ***Lipshitz, H.D.** (2009) Hindsight modulates Delta expression during *Drosophila* cone cell induction. *Development* **136**, 975-982.
81. Roth, F.S., **Lipshitz, H.D.**, Andrews, B.J. (2009) Epistasis Q&A. *Journal of Biology* **8**, 35.1-35.5.
82. Erclik, T., Hartenstein, V., *McInnes, R.R., ***Lipshitz, H.D.** (2009) Eye evolution at high resolution: the neuron as a unit of homology. *Developmental Biology* **332**, 70-79.
83. **Lipshitz, H.D.** (2009) Follow the mRNA: a new model for Bicoid gradient formation. *Nature Reviews Molecular Cell Biology* **10**, 509-512.

84. Tadros, W., ***Lipshitz, H.D.** (2009) The maternal-to-zygotic transition: a play in two acts. *Development* **136**, 3033-3042.
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90. ***Lipshitz, H.D.** (2013) Edward B. Lewis. In: *Brenner's Encyclopedia of Genetics*, Second Edition, Editors: S. Malloy & K. Hughes, Volume 4, Pp. 237-240.
91. Ray, D., Kazan, H., Cook, K.B., Weirauch, M.T., Najabafabadi, H.S., Li, X., Li, X., Albu, M., Zheng, H., Yang, A., Na, H., Guerrousov, S., Irinia, M., Matzat, L.H., Dale, R.K., Smith, S.A., Yarosh, C.A., Kelly, S.M., Nabet, B., Mecnas, D., Li, W., Laishram, R.S., Qiao, M., **Lipshitz, H.D.**, Piano, F., Corbett, A.H., Carstens, R.R., Frey, B.J., Anderson, R.A., Lynch, K.W., Penalva, L.O.F., Lei, E.P., Blencowe, B.J., Fraser, A.G., *Morris, Q.D., *Hughes, T.R. (2013) A compendium of RNA-binding motifs for decoding gene regulation. *Nature* **499**, 172-177.
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93. Laver, J., Li, X., Ancevicus, K., *Westwood, J.T., *Smibert, C.A., *Morris, Q., ***Lipshitz, H.D.** (2013) Genome-wide analysis of Staufen-associated mRNAs identifies secondary structures that confer target specificity. *Nucleic Acids Research* **41**, 9438-9460.
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113. Laver, J.D., Ly, J., Winn, A.K., Karaiskakis, A., Lin, S., Nie, K., Jaberi-Lashkari, N., Cao, W.X., Khademi, A., Westwood, J.T., Sidhu, S.S., Morris, Q., Angers, S., *Smibert, C.A., ***Lipshitz, H.D.**

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114. Bruzzone, L., Argüelles, C., Sanial, M., Miled, S., Alvisi, G., Antunes, M., Qasrawi, F., Holmgren, R.A., Smibert, C.A., **Lipshitz, H.D.**, Boccaccio, G.L., *Plessis, A., *Bécam, I. (2020) Regulation of the RNA-binding protein Smaug by the GPCR Smoothed via the kinase Fused. *EMBO Reports*, e48425. <https://doi.org/10.15252/embr.201948425>
 115. Cao, W.X., Kabelitz, S., Gupta, M., Yeung, E., Lin, S., Rammelt, C., Ihling, C., Pekovic, F., Low, T.C.H., Siddiqui, N.U., Cheng, M.H.K., Angers, S., Smibert, C.A., Wühr, M., *Wahle, E., ***Lipshitz, H.D.** (2020) Precise temporal regulation of post-transcriptional repressors is required for an orderly Drosophila maternal-to-zygotic transition. *Cell Reports* 31, 107783. <https://www.sciencedirect.com/science/article/pii/S2211124720307634>
 116. ***Lipshitz, H.D.** (2021) The Origin of GENETICS (Editorial). *Genetics* 217(1), iyaa024. <https://academic.oup.com/genetics/article/217/1/iyaa024/6128799>
 117. ***Lipshitz, H.D.** (2021) The Descent of Databases (Editorial). *Genetics* 217(3), iyab023. <https://academic.oup.com/genetics/article-abstract/217/3/iyab023/6155230>
 118. Mohr, S., Kenny, A., Lam, S.T.Y., Morgan, M.B., Smibert, C.A., **Lipshitz, H.D.**, *Macdonald, P.M. (2021) Opposing roles for Egalitarian and Staufen in transport, anchoring and localization of oskar mRNA in the Drosophila oocyte. *PLoS Genetics* 17(4): e1009500. <https://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1009500>
 119. ***Lipshitz, H.D.** (2021) The Expression of the Emotions in Man and Fruit Flies (Editorial). *Genetics* 219(1), iyab110. <https://doi.org/10.1093/genetics/iyab110>
 120. Cao, W.X., Karaiskakis, A., Lin, S., Angers, S., ***Lipshitz, H.D.** (2022) The F-box protein Bard (CG14317) targets the Smaug RNA-binding protein for destruction during the Drosophila maternal-to-zygotic transition. *Genetics* 220(1), iyab177. <https://doi.org/10.1093/genetics/iyab177>
 121. Wood, V., Sternberg, P.W., **Lipshitz, H.D.** (2022) Making biological knowledge useful for humans and machines. *Genetics* 220(4), iyac001. <https://doi.org/10.1093/genetics/iyac001>
 122. Siddiqui, N.U., Karaiskakis, A., Goldman, A.L., Eagle, W.I.V., Low, T.C.H., Luo, H., Smibert, C.A., Gavis, E.R., ***Lipshitz, H.D.** (2024) Smaug regulates germ plasm assembly and primordial germ cell number in Drosophila embryos. *Science Advances* 10: adg7894. [10.1126/sciadv.adg7894](https://doi.org/10.1126/sciadv.adg7894)
 123. Han, K., Wainberg, M., Calarco, J.A., Smibert, C.A., **Lipshitz, H.D.**, Lee, H.O., Tripathy, S.J. (2023) BrainRBPedia: a resource for RNA-binding proteins relevant to neurodevelopmental disorders. *Genetics*, in revision. <https://www.biorxiv.org/content/10.1101/2023.06.07.542483v1>
 124. Haugen, R.J., Barnier, C., Elrod, N.D., Luo, H., Jensen, M.K., Ji, P., Smibert, C.A., **Lipshitz, H.D.**, Wagner, E.J., Freddolino, P.L., Goldstrohm, A.C. (2024) Regulation of the Drosophila transcriptome by Pumilio and CCR4-NOT deadenylase. *RNA* 30: 866-890. [10.1261/rna.079813.123](https://doi.org/10.1261/rna.079813.123)
 125. Komori, H., Rastogi, G., Bugay, J.P., Luo, H., Lin, S., Angers, S., Smibert, C.A., **Lipshitz, H.D.**, Lee, C.Y. Post-transcriptional regulatory pre-complex assembly drives timely cell-state transitions during differentiation. [10.1101/2024.04.29.591706](https://doi.org/10.1101/2024.04.29.591706)

Independent publications from my laboratory:

1. Mathog, D.R. (1990) Transvection in the *Ultrabithorax* domain of the bithorax complex of *Drosophila melanogaster*. *Genetics* **125**, 371-382.
2. Mathog, D.R. (1991) Suppression of abdominal legs in *Drosophila melanogaster*. *Roux's Archives of Developmental Biology* **199**, 449-457.

PATENTS:

- Egan, S., Cohen, B., Lipshitz, H., Phillips, R. "Fringe proteins and Notch signaling"
(WO/1998/017793, USA 09284753 11.96.1999, Canada 2268751 19.04.1999)

CONFERENCES ORGANIZED:

- "From Phage to Flies: 40 Years of Discovery", Marconi Center, Point Reyes, California, October 20 - 23, 1995. Organizers: D. Finnegan, M. Krasnow, H. Lipshitz, G. Rubin & C. Thummel
- FASEB Summer Research Conference "Sorting and Intracellular Transport of RNA", Snowmass Village, Colorado, June 22-27, 1996. Chairs: R. Singer & O. Steward; Vice-Chairs: L. Etkin & H. Lipshitz
- FASEB Summer Research Conference "Intracellular RNA Sorting, Transport and Localization", Snowmass Village, Colorado, June 6-11, 1998. Co-Chairs: H. Lipshitz & L. Etkin
- FASEB Summer Research Conference "Intracellular RNA Sorting, Transport and Localization", Snowmass Village, Colorado, June 10-15, 2000. Co-Chairs: L. Etkin & H. Lipshitz
- 45th Annual *Drosophila* Research Conference, Washington, DC, March 24-28, 2004. Program Co-Chairs: H. Lipshitz & P. Lasko
- 3rd Canadian Developmental Biology Conference & 1st Canada Regional Meeting of the Society for Developmental Biology, Mont-Tremblant, Quebec, April 6-9, 2006. Co-organizers: J. Drouin, P. Lasko, H. Lipshitz & J. Michaud.
- Second CCBR/MaRS Symposium: "Regulatory RNA", Toronto, Canada, April 10-11, 2008, Co-chairs: H. Lipshitz & B. Blencowe.
- Joint Symposium of Peking University, Tsinghua University and University of Toronto, "Frontiers in Developmental, Stem Cell and Systems Biology", Peking University, May 12-13, 2010. Organizing Committee: Y. Rao, Y. Shi, H. Gu, H. Lipshitz, C.C. Hui, D. Liu
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, June 20-26, 2010, Member of Organizing Committee (Committee Co-Chairs: A. Ephrussi, W. Gelbart, C. Delidakis).
- CANFLY XI: The Eleventh Canadian *Drosophila* Conference, Brock University, St. Catharines, Ontario, June 4-8, 2011. Organizing Committee: H. Lipshitz (Chair), T. Harris, R. Jacobs, M. Klose, H. McNeill, A. McQuibban, B. Reed.
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, June 24-30, 2012. Member of Organizing Committee (Committee Co-Chairs: A. Ephrussi, W. Gelbart, C. Delidakis).
- Symposium on Systems Biology, Peking University, Beijing, China, October 19-22, 2012. Organizing Committee: C. Tang, Y. Yin, H. Lipshitz.
- Conference on "Intracellular RNA Localization and Localized Translation", Niagara-on-the-Lake, Canada, July 7-12, 2013. Organizing Committee Co-Chairs: H. Lipshitz, C. Bagni, I. Davis, K. Martin.
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, June 22-28, 2014. Member of Organizing Committee (Shadow Co-Chair of Organizing Committee; Committee Co-Chairs: A. Ephrussi, W. Gelbart, C. Delidakis).
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Agia Marina, Crete, June 19-26, 2016. Co-Chairs of Organizing Committee: S. Bray, E. Furlong, H. Lipshitz.
- EMBO Workshop "The Maternal-to-Zygotic Transition", Max Planck Institute, Dresden, Germany, April 23-27, 2017. Organizing Committee: N. Vastenhouw, H. Lipshitz, P. Svoboda, P. Zegerman.
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, June 24-30, 2018. Co-Chairs of Organizing Committee: S. Bray, E. Furlong, H. Lipshitz.

- EMBO Workshop "The Maternal-to-Zygotic Transition", Czech Academy of Sciences, Prague, Czech Republic, May 15-18, 2019. Organizing Committee: P. Svoboda, H. Lipshitz, N. Vastenhouw, P. Zegerman.
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, 2020 (June 21-27, 2020). Co-Chairs of Organizing Committee: S. Bray, E. Furlong, H. Lipshitz. (Cancelled because of COVID-19; virtual non-EMBO workshop held June 22-26)
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, 2022 (June 19-25, 2022). Co-Chairs of Organizing Committee: S. Bray, E. Furlong, H. Lipshitz.

CONFERENCE SESSIONS CHAIRED:

- 49th Annual *Drosophila* Research Conference, San Diego, California: Workshop on "The Maternal-to-Zygotic Transition: Deciphering the Ultimate Genetic Switch", April 2-6, 2008. Co-chairs: H. Lipshitz, J. Sisson.
- 50th Annual *Drosophila* Research Conference, Chicago, Illinois: Workshop on "The Maternal-to-Zygotic Transition: Deciphering the Ultimate Genetic Switch", March 4-8, 2009. Co-chairs: H. Lipshitz, J. Sisson.
- 53rd Annual *Drosophila* Research Conference, Chicago, USA, March 7-11, 2012. Session Chair, "RNA Biology" (Co-chairs: H. Lipshitz, J. Wilhelm).
- EMBO Conference "RNA Localization & Localized Translation", Heraklion, Crete, June 28-July 3, 2015. Session Chair (Committee Co-Chairs: E. Shuman, C. Holt).
- 57th Annual *Drosophila* Research Conference/The Allied Genetics Conference, Orlando, Florida, USA, July 13-17, 2016. Session Chair, "RNA Biology" (Session Co-chairs: H. Lipshitz, B. Brown, J. Laver).
- ASBMB Special Symposium "Evolution and Core Processes in Gene Expression", Stowers Institute, Kansas City, Missouri, July 13-16, 2017. Session Chair, "Regulatory Network Evolution".
- FASEB Science Research Conference "Intracellular RNA Transport and Localized Translation", Snowmass, Colorado, USA, June 30 – July 5, 2019
- FASEB Science Research Conference "Intracellular RNA Transport and Localized Translation", Melbourne, Florida, USA, July 7–11, 2024

INVITED CONFERENCE PRESENTATIONS:

- Northern California *Drosophila* Research Conference, Stanford University, November 12, 1983
- Ninth Annual Parvin Symposium on Basic Cancer Research, UCLA, Los Angeles, California, May 10, 1985
- Helen Hay Whitney Foundation Annual Symposium, Arden House, Harriman, New York, December 13 - 15, 1985
- UCLA Symposium "Molecular Approaches to Developmental Biology", Keystone, Colorado, March 30-April 6, 1986
- Marine Biological Laboratory, Embryology Course, Woods Hole, Massachusetts, July 11 - 18, 1988
- EMBO Workshop, "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, August 28 - September 4, 1988
- Southern California *Drosophila* Research Conference, Irvine, California, November 5, 1988
- Marine Biological Laboratory, Embryology Course, Woods Hole, Massachusetts, June 29 - July 7, 1989
- UCLA Symposium "Developmental Biology", Tamarron, Colorado, March 12 - 19, 1989
- EMBO Workshop, "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, April 29 - May 6, 1990

- 30th Annual *Drosophila* Conference (Chair: Maternal Effects Platform Session), New Orleans, Louisiana, April 26 - 30 1990
- EMBO Workshop, "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, April 29 - May 6, 1990
- California *Drosophila* Research Conference, Irvine, California, October 6, 1990
- Arrowhead Genetics Conference, Lake Arrowhead, California, February 1 - 3, 1991
- USA-Japan Cooperative Program for Recombinant DNA Research: Workshop on Gene Expression in Early Embryonic Development (one of six USA delegates), Kauai, Hawaii, March 5 - 6, 1992
- EMBO Workshop, "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, July 12 - 19, 1992
- American Society for Cell Biology, 33rd Annual Symposium, Speaker in Session: "mRNA Localization", New Orleans, Louisiana, December 11-15, 1993
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, June 19 - 26, 1994
- FASEB Summer Research Conference "Sorting and Intracellular Transport of RNA", Santa Cruz, California, July 16-21, 1994
- West Coast Developmental Biology Symposium, Lake Arrowhead, California, March 23 - 26, 1995
- "From Phage to Flies: 40 Years of Discovery", Marconi Center, Point Reyes, California, October 20 - 23, 1995
- FASEB Summer Research Conference "Sorting and Intracellular Transport of RNA", Snowmass Village, Colorado, June 22-27, 1996
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, July 13 - 20, 1996
- 1997 Northeast Regional Meeting "Stress Proteins, Molecular Chaperones and the Heat Shock Response", Manoir du Lac Delage, Ville du Lac Delage, Quebec City, Quebec, June 17-18, 1997
- Annual Conference of Canadian Federation of Biological Societies, Quebec City, Quebec, June 18-23, 1997
- FASEB Summer Research Conference "Intracellular RNA Sorting, Transport and Localization", Snowmass Village, Colorado, June 6 - 11, 1998
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, July 12 - 18, 1998
- 39th Annual Meeting of the American Society for Cell Biology, Minisymposium on "Localization, Stability & Transport of mRNA", Washington, DC, December 11 - 15, 1999
- 10th Annual Winternational Symposium on "Genes & Development", Banff, Alberta, March 2 - 5, 2000
- CIHR Workshop, Development & Disease, Banff, Alberta, March 2 - 5, 2000
- FASEB Summer Research Conference "Intracellular RNA Sorting, Transport and Localization", Snowmass Village, Colorado, June 10 - 15, 2000
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, June 18 - 23, 2000
- National Academy of Sciences Colloquium "Molecular Kinesis in Cellular Function and Plasticity", Beckman Center of the National Academies of Sciences & Engineering, Irvine, California, December 7 - 9, 2000
- 41st Annual Meeting of the American Society for Cell Biology, Minisymposium on "Signals that Mediate RNA Localization, Processing and Stability", Washington, DC, December 8 - 12, 2001
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, June 23 - 29, 2002

- 61st Annual Meeting of the Society for Developmental Biology, "David Hogness: Researcher and Mentor", presentation of the SDB Lifetime Achievement Award for 2002, Madison, Wisconsin, July 21 - 24, 2002
- FASEB Summer Research Conference "Intracellular RNA Sorting, Transport and Localization", Snowmass Village, Colorado, June 21-26, 2003.
- Gordon Research Conference "Fertilization and the Activation of Development", Holderness School, Plymouth, New Hampshire, July 27 - August 1, 2003.
- Keynote address: "From Fruit Flies to Fallout: Ed Lewis and his Science", Symposium in Honor of Edward B. Lewis, California Institute of Technology, Pasadena, California, February 4, 2004. (Can be viewed at http://today.caltech.edu/theater/results.tcl?query_string=lipshitz)
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, June 21 - 26, 2004
- 13th International Conference of the International Society for Differentiation "The Role of Localized RNAs in Development & Differentiation", Honolulu, Hawaii, September 5-9, 2004. (withdrew due to illness; Jennifer Semotok from the lab spoke in my place)
- Memorial Symposium in Honor of Edward B. Lewis, California Institute of Technology, Pasadena, California, October 25, 2004
- Keynote address: "Regulation of Maternal mRNA During Egg Activation in *Drosophila*: Localization, Translation & Stability", Second Annual Conference of Quebec Researchers in Reproduction, Saint-Paulin, Quebec, November 15 - 16, 2004
- FASEB Summer Research Conference "Intracellular RNA Sorting, Transport and Localization", Tucson, Arizona, June 21 - 26, 2005
- Memorial Symposium in Honor of Laurence D. Etkin, M. D. Anderson Cancer Center, Houston, Texas, May 25, 2006
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, June 18 - 23, 2006
- EMBO Conference "Intracellular RNA Localization and Localized Translation", Il Ciocco, Tuscany, Italy, July 1 - 7, 2007 (also served as a session chair)
- Riboclub Opening Session: "RNA on the move", Sherbrooke, Quebec, September 24 - 26, 2007
- International Symposium in Honor of David Hogness, Recipient of the 2007 International Prize for Biology, Kyoto University, Japan, November 21 - 22, 2007
- Keystone Symposium "Translational Regulatory Mechanisms", Coeur d'Alene Resort, Coeur d'Alene, Idaho, January 28 - February 2, 2008
- HHMI Workshop on "RNA Granules", Chevy Chase, Maryland, USA, March 31-April 2, 2008
- 49th Annual *Drosophila* Research Conference, Workshop: "The Maternal-to-Zygotic Transition: Deciphering the Ultimate Genetic Switch", April 2-6, 2008
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, June 23 - 28, 2008
- Pacific Symposium on Biocomputing, Kohala Coast, Hawaii: Workshop on "Post-transcriptional Gene Regulation", January 5 - 8, 2009
- 50th Annual *Drosophila* Research Conference, Chicago, Illinois: Workshop on "The Maternal-to-Zygotic Transition: Deciphering the Ultimate Genetic Switch", March 4 - 8, 2009
- FASEB Summer Research Conference "Intracellular RNA Sorting, Transport and Localization", Saxton's River, Vermont, July 12 - 17, 2009
- 68th Annual Meeting of the Society for Developmental Biology, San Francisco, California. Concurrent Session: "Germ & Embryonic Stem Cells", July 22 - 27, 2009

- 3rd EMBO Conference "Protein Synthesis & Translational Control". Heidelberg, Germany, September 9 - 13, 2009
- CIFAR Workshop "Genetic Networks", Princeton, New Jersey, USA, September 25 - 27, 2009
- Fourth Brazilian International Symposium in Developmental Biology, Taubaté, Brazil, November 16 - 18, 2009
- Joint Symposium of Faculty of Medicine, University of Toronto and Beijing Institutes of Life Sciences, Chinese Academy of Sciences, Beijing, March 9 - 10, 2010
- Joint Symposium of Faculty of Medicine, University of Toronto and Peking and Tsinghua Universities, Beijing, May 12 - 13, 2010
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, Greece, June 20 - 26, 2010
- EMBO/FASEB Joint Conference "Intracellular RNA Transport and Localized Translation", Il Ciocco, Italy, August 7 - 12, 2011
- McGill Workshop on Bioinformatics "Gene Regulatory Networks", Bellairs Research Institute, Holetown, Barbados, January 28 – February 4, 2012
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, June 24-30, 2012.
- Symposium on Systems Biology, Peking University, Beijing, China, October 19-22, 2012.
- Conference "Intracellular RNA Localization and Localized Translation", Niagara-on-the-Lake, Canada, July 7-12, 2013.
- Mini-Symposium on Stem Cells & Systems Biology, SIBCB, Shanghai, China, October 10-11, 2013.
- EMBO Conference "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, June 22-28, 2014.
- IFCC Summer School, Chinese Society of Biochemistry and Molecular Biology, "RNA Biology", Shanghai, China, July 7-12, 2014.
- Retirement Symposium for Prof. David Hodgson, University of Warwick, Coventry, UK, January 24, 2015.
- McGill Workshop "RNA-Protein Interactions", Bellairs Research Institute, Holetown, Barbados, April 17-24, 2015.
- EMBO Conference "RNA Localization & Localized Translation", Heraklion, Crete, Greece, June 28-July 3, 2015.
- EMBO Workshop "Cellular & Developmental Systems", Arolla, Switzerland, August 18-22, 2015.
- RiboClub Annual Conference, Mt. Orford, Quebec, Canada, September 20-23, 2015.
- HHMI "Workshop on *Drosophila* Resources", Janelia Research Campus, Virginia, USA February 17-19, 2016.
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Agia Marina, Crete, June 19-25, 2016.
- EMBO Workshop "The Maternal-to-Zygotic Transition", Max Planck Institute, Dresden, Germany, April 23-27, 2017.
- RNA Society 22nd Annual Meeting, Prague, Czech Republic, May 28-June 3, 2017.
- ASBMB Conference "Evolution and Core Processes in Gene Expression", Stowers Institute, USA, July 13-16, 2017.
- EMBO Workshop "RNA Localization and Localized Translation", Il Ciocco, Italy, July 23-27, 2017.
- University of Minnesota, 26th Annual Symposium of the Center for Developmental Biology, Minneapolis, USA, October 2, 2017.
- EMBO Workshop "Molecular & Developmental Biology of *Drosophila*", Kolymbari, Crete, June 24-30, 2018.

- McGill Workshop “Mechanisms and evolution of post-transcriptional regulation”, Bellairs Research Institute, Holetown, Barbados, April 19-26, 2019.
- EMBO Workshop “The Maternal-to-Zygotic Transition”, Czech Academy of Sciences, Prague, Czech Republic, May 15-18, 2019.
- FASEB Science Research Conference “Intracellular RNA Transport and Localized Translation”, Snowmass, Colorado, USA, June 30 – July 5, 2019
- McGill Workshop “mRNA Untranslated regions in gene regulation, development and disease”, Bellairs Research Institute, Holetown, Barbados, January 17-24, 2020
- Symposium “RNA regulation in development”, Princeton University, USA, May 1, 2020 (postponed because of COVID-19)
- EMBO Workshop “Awakening the Genome: The Maternal-to-Zygotic Transition”, IMBA, Vienna, Austria, May 18-21, 2022
- EMBO Workshop “Molecular & Developmental Biology of Drosophila”, Kolymbari, Crete, Greece, June 19-25, 2022
- Simons Foundation Autism Research Initiative, Workshop on “Re-envisioning SFARI Gene”, New York, NY, January 25-26, 2024.
- The Allied Genetics Conference, Gaylord National Resort & Conference Center, Washington DC, March 6-10, 2024
- EMBO Workshop “Molecular & Developmental Biology of Drosophila”, Agia Marina, Crete, Greece, June 23-29, 2024

INVITED RESEARCH SEMINAR PRESENTATIONS (SELECTED):

- Stanford University School of Medicine, Department of Biochemistry, Stanford, California (June 14, 1984)
- Yale University, Department of Biology, New Haven, Connecticut (December 11, 1984)
- California Institute of Technology, Division of Biology, Pasadena, California (June 28, 1985)
- Carnegie Institution of Washington, Department of Embryology, Baltimore, Maryland (September 16, 1985)
- National Institutes of Health, Laboratory of Molecular Genetics, Bethesda, Maryland (September 17, 1985)
- Washington University, Department of Biology, St. Louis, Missouri (March 21, 1986)
- UCLA, Genetics Seminar Series, Los Angeles, California (May 1, 1987)
- Beckman Research Institute of the City of Hope, Duarte, California (May 19, 1987)
- University of Southern California School of Medicine, Norris Cancer Research Center, Los Angeles, California (March 6, 1989)
- UCLA, Genetics Seminar Series, Los Angeles, California (April 10, 1992)
- University of Southern California School of Medicine, Department of Pathology & Laboratory Medicine, Los Angeles, California (March 30, 1992)
- University of California, Irvine, Developmental Biology Center, Irvine, California (February 18, 1993)
- Fox Chase Cancer Research Center, Philadelphia, Pennsylvania (November 12, 1993)
- Natural History Museum of Los Angeles County, Research Seminars in History and Earth and Life Sciences, Los Angeles, California (November 18, 1993)
- Research Institute, Hospital for Sick Children, Toronto, Ontario (January 11, 1994)
- University of Minnesota, Department of Genetics & Cell Biology, St. Paul, Minnesota (April 11, 1994)
- University of Toronto, Department of Medical Genetics, Toronto (May 4, 1995)
- Division of Endocrinology, Hospital for Sick Children, Toronto, Ontario (November 8, 1995)
- McMaster University, Department of Biology, Hamilton, Ontario (November 13, 1995)

- York University, Department of Biology, North York, Ontario (November 21, 1995)
- Division of Nephrology, Hospital for Sick Children, Toronto, Ontario (December 10, 1995)
- Loyola University Chicago, Molecular Biology Program, Maywood, Illinois (January 19, 1996)
- Samuel Lunenfeld Research Institute, Program in Development & Fetal Health, Mt. Sinai Hospital, Toronto (September 18, 1996)
- Laval University, RSVS, Ste-Foy, Quebec (December 13, 1996)
- University of Utah, Eccles Institute of Human Genetics, Salt Lake City, Utah (January 14, 1997)
- Case Western Reserve University, Department of Genetics, Cleveland, Ohio (May 16, 1997)
- Banting & Best Diabetes Centre, University of Toronto, Toronto, Ontario (July 7, 1997)
- Department of Ophthalmology, Hospital for Sick Children, Toronto, Ontario (August 13, 1997)
- University of Toronto, Department of Zoology, Toronto (October 31, 1997)
- Division of Cell Biology, Research Institute, Hospital for Sick Children, Toronto, Ontario (October 10, 1997)
- University of Alberta, Department of Biological Sciences, Edmonton, Alberta (November 14, 1997)
- Research Institute Annual Retreat, Hospital for Sick Children, Toronto, Ontario (December 4, 1997)
- Department of Genetics, Hospital for Sick Children, Toronto, Ontario (January 22, 1998)
- Program in Structural Biology & Biochemistry, Research institute, Hospital for Sick Children, Toronto, Ontario (February 16, 1998)
- John P. Robarts Research Institute, London, Ontario (March 12, 1998)
- McGill University, Department of Biology, Montreal, Quebec (October 26, 1998)
- State University of New York at Stonybrook, Department of Biochemistry & Cell Biology (February 11, 1999)
- Princeton University, Department of Molecular Biology (February 12, 1999)
- Michigan State University, Department of Biochemistry (November 22, 1999)
- M.D. Anderson Cancer Center/University of Texas, Department of Biochemistry & Molecular Biology (February 02, 2000; John H. Blaffer Lecturer)
- University of Toronto, Department of Zoology, Toronto (September 22, 2000)
- Case Western Reserve University, Department of Genetics, Cleveland, Ohio (October 20, 2000)
- Research Institute Annual Retreat, Hospital for Sick Children, Toronto, Ontario (November 27, 2000)
- Yale University, Department Molecular, Cellular & Developmental Biology, New Haven, Connecticut (April 4, 2001)
- Fred Hutchinson Cancer Research Center, Seattle, Washington (February 14, 2002)
- Duke University, Developmental Biology Colloquia, Durham, N. Carolina (April 3, 2002)
- Medical College of Wisconsin, Department Microbiology & Molecular Genetics, Milwaukee, Wisconsin (May 7, 2002)
- Maine Medical Research Institute, Scarborough, Maine (January 23, 2003)
- University of Western Ontario, Department of Zoology, London, Ontario (October 6, 2003)
- Program in Cell Biology, Research Institute, Hospital for Sick Children, Toronto, Ontario (April 23, 2004)
- University of Toronto, Department of Medical Genetics & Microbiology, Toronto (November 24, 2004)
- University of Minnesota, Dept. of Genetics, Cell Biology & Development (May 5, 2005)
- University of Utah, Dept. of Human Genetics (May 10, 2005)
- University of Pennsylvania, Center for Research on Reproduction & Women's Health (January 18, 2006)
- Institut de Genetique Humaine, CNRS, Montpellier, France (October 27, 2006)
- University of Waterloo, Department of Biology, Waterloo, Ontario (November 17, 2006)

- Institut de Recherches Cliniques de Montréal, Montréal, Quebec (Pfizer Lecture, February 5, 2007)
- University of Zurich, Institute for Molecular Biology, Zurich, Switzerland (July 11, 2006)
- Yale University, Department of Genetics, New Haven, CT (September 4, 2007)
- Institute for Biochemistry & Cell Biology, Chinese Academy of Sciences, Shanghai (November 1, 2007)
- RIKEN-Center for Developmental Biology, Kobe, Japan (November 20, 2007)
- Case Western Reserve University, Department of Genetics, Cleveland, Ohio (December 10, 2007)
- Cleveland Clinic, Lerner Research Institute, Department of Immunology, Cleveland, Ohio (December 12, 2007)
- McMaster University, Department of Biology, Hamilton, Ontario (March 13, 2008)
- Trinity College, Smurfit Institute of Genetics, Dublin, Ireland (November 3, 2008)
- Indiana University, Department of Biology, Bloomington, Indiana (September 3, 2009)
- University of Miami, Department of Cell Biology & Anatomy, Florida (January 19, 2010)
- University of Hong Kong, Department of Biochemistry (May 10, 2010)
- University of Wisconsin, Madison, Program in Genetics (March 9, 2011)
- National Institutes of Health, Bethesda, Maryland (April 28, 2011)
- University of Edinburgh, Institute of Cell Biology, UK (May 9, 2011)
- University of Dundee, Division of Cell & Developmental Biology (May 12, 2011)
- University of KwaZulu-Natal, School of Life Sciences, Durban, South Africa (May 30, 2012)
- Chinese Academy of Sciences, Institute for Genetics & Developmental Biology, Beijing, China (October 22, 2012)
- University of Alberta, Department of Biological Sciences, Edmonton (March 20, 2013)
- Wuhan University, China (May 20, 2013)
- University of Science & Technology of China, Hefei (May 21, 2013)
- Nanjing University, Model Animal Research Center (October 14, 2013)
- University of Texas, Austin (December 10, 2013)
- Zhejiang University, School of Life Sciences, Hangzhou, China (April 9, 2014)
- Zhejiang University, School of Life Sciences, Hangzhou, China (April 1, 2015)
- University of Illinois, Chicago, Department of Biological Sciences (July 29, 2015)
- California Institute of Technology, Division of Biology & Bioengineering (January 19, 2016)
- University of Oxford, Department of Biochemistry (March 8, 2016)
- University of Cambridge, Department of Zoology (March 10, 2016)
- California Institute of Technology, Division of Biology & Bioengineering (March 14, 2017)
- University of Göttingen, GZMB Colloquium on Developmental Biology (June 6, 2017)
- Zhejiang University, Life Sciences Institute, Hangzhou, China (October 24, 2017)
- University of Utah, Department of Human Genetics (February 20, 2018)
- North Carolina State University, Department of Biological Sciences (March 19, 2018)
- University of Ottawa, Advances in Biomedical Research Seminar Series (September 28, 2018)
- Zhejiang University, Life Sciences Institute (October 25, 2018)
- Princeton University, Quantitative & Computational Biology Seminar Series (November 5, 2018)
- University of Wisconsin, Biochemistry Seminar Series (October 21, 2019)
- National Institutes of Health, NIDDK, Developmental Biology Seminar Series (November 19, 2020; Virtual Seminar because of COVID-19)
- Clemson University, Department of Genetics & Biochemistry (April 16, 2021; Virtual Seminar because of COVID-19)
- University of Pittsburgh, Department of Biological Sciences (April 18, 2022)
- Case Western Reserve University, Cleveland, Ohio, Department of Biochemistry (May 18, 2023)

- University of Rochester, Department of Biology (November 20, 2023)

TRAINEES/VISITORS:

Visiting Scholars (Total: 2)

Current (1)

- J. Timothy Westwood, Ph.D. Position: Associate Professor of Biology Emeritus, University of Toronto, Canada

Previous (2)

- J. Timothy Westwood, Ph.D. (2000) Position: Associate Professor of Biology, University of Toronto, Canada
- Xin Li, Ph.D. (2018 – 2020) Position: Lecturer, Guangzhou University, China

Research Associates (Total: 2)

Current (0)

- None

Previous (2)

- Bruce Reed, Ph.D. (2001 – 2005) Position: Associate Professor of Biology, University of Waterloo, Canada
- Najeeb Siddiqui, Ph.D. (2007 – 2011) Position: Manager, Program in Developmental & Stem Cell Biology, Hospital for Sick Children, Toronto, Canada

Postdoctoral Fellows (Total: 18)

Current (1)

- Lizzie Radley, Ph.D. (co-supervised by Kate Lee and Craig Smibert)

Previous (17)

- Teresa R. Strecker, Ph.D. (1987 – 1990, Caltech) Position: Senior Lecturer in Biological Sciences, Southern Methodist University, Dallas, Texas, USA
- David R. Mathog, Ph.D. (1988 – 1991, Caltech) Position: Manager & Staff Scientist, Sequence Analysis Computing Facility, Division of Biology, Caltech; System Manager, H.H.M.I. Atomic & Macromolecular Structure Facility, Caltech, USA
- Susan M. Parkhurst, Ph.D. (1990 – 1991, Caltech) Position: Member, Division of Basic Sciences, Fred Hutchinson Cancer Research Center, Seattle, Washington & Professor, Department of Biology, University of Washington, Seattle, USA
- Joanne Topol, Ph.D. (1990 – 1992, Caltech) Position: Artist, Pasadena, CA, USA
- Michele Zaccai, Ph.D. (1993 – 1995, Caltech) Position: Associate Professor, Department of Life Sciences, Ben-Gurion University of the Negev, Israel
- Michele L. Lamka, Ph.D. (1994 – 1997, Caltech) Position: Quality Reporting, University of Virginia, Charlottesville, Virginia, USA
- Leonora Rochwerger, Ph.D. (1995 – 1998, Toronto) Position: Science teacher, Donview Middle School, Toronto, Canada
- Jill Hamilton M.D. (1997 – 1999) Position: Professor of Pediatrics, University of Toronto; Chief of Endocrinology, Hospital for Sick Children, Senior Associate Scientist, Research Institute, Canada
- Bruce Reed, Ph.D. (1996 – 2001, Toronto) Position: Associate Professor of Biology, University of Waterloo, Canada
- Najeeb Siddiqui, Ph.D. (2006 – 2007, Toronto) Position: Manager, Program in Developmental & Stem Cell Biology, Hospital for Sick Children, Toronto, Canada
- Amanda Pickup, Ph.D. (1999 – 2008, Toronto) Position: Creative Director, Invention Squad, Toronto, Canada

- Ronit Wilk, Ph.D. (2002 – 2008, Toronto) Position: Founder, SciArt-Prints, Toronto, Canada
- Aaron Goldman, Ph.D. (2004 – 2009, Toronto) Position: Chief Science Officer, DNALabs Canada Inc., Toronto, Canada
- Wael Tadros, Ph.D. (2007 – 2009, Toronto) Position: Principal Scientist, Shoreline Biosciences Inc., San Diego, California, USA
- Claudia Walsler, Ph.D. (2008 – 2013) Position: Clinical study coordinator/Researcher/Biostatistician, Katonsspital Frauenfeld, Zurich, Switzerland
- John Laver, Ph.D. (2016 – 2017) Position: Postdoctoral Research Fellow, Department of Cell & Systems Biology, University of Toronto.
- Wendy Cao, Ph.D. (2020 – 2021) Position: Postdoctoral Research Fellow, Department of Biological Sciences, Columbia University, New York, USA.

Graduate Students (Total: 28)

Current (1)

- Yichao Hu (2019 – present; Ph.D. student, Toronto-Zhejiang University Joint Ph.D. Program; Co-supervisor: Xiaohang Yang, Zhejiang University)

Previous (27)

- Dali Ding (1987 – 1993; Ph.D. – Ferguson Prize for outstanding Ph.D. thesis in Biology at Caltech). Position: Partner, YiMei Capital, Shanghai, China
- Susan R. Halsell (1987 – 1995; Ph.D. Caltech) Position: Associate Professor & Associate Head, Department of Biology, James Madison University, Harrisonburg, Virginia, USA
- Man Lun R. Yip (1988 – 1995; Ph.D. Caltech) Position: Field Applications Scientist, ForteBio – A Division of Pall Life Sciences, Los Angeles, California, USA
- Kellie L. Whittaker (1991 – 1997; Ph.D. Caltech/Toronto) Position: Senior Associate, AmphibiaWeb; Researcher, University of California, Berkeley, California, USA
- Peter Becker (1994 – 1998; M.S., Caltech) Position: Unknown.
- Arash Bashirullah (1993 – 99; Ph.D. Caltech/Toronto) Position: Associate Professor, Faculty of Pharmacy & Program in Genetics, University of Wisconsin, Madison, USA
- Simon Houston (1998 – 2000, M.Sc., Toronto) Position: Research Associate, Dept of Biochemistry & Microbiology, University of Victoria, BC, Canada
- Ramona Cooperstock (1996 – 2002; Ph.D., Toronto) Position: Owner, Your Space Reimagined, Toronto, Canada
- Ronit Wilk (1996 – 2002; Ph.D., Toronto) Position: Founder, SciArt-Prints, Toronto, Canada
- Fiona Menzies (2003 – 2004; M.Sc., Toronto) Position: MD Practitioner, Chief of Geriatric Medicine, St. Joseph's Health Centre, Toronto, Canada
- Stephanie Andrew (née Lake) (2003 – 2005; M.Sc., Toronto) Position: Vice President, Finance at TIMIA Capital Corp. & Founding Partner, Women's Equity Lab, Vancouver, BC, Canada
- Ted Erlick (1997 – 2007, Ph.D., Toronto, Toronto; co-supervisor: R.R. McInnes) Position: Assistant Professor, Dept. of Biology, University of Toronto at Mississauga, Canada
- Wael Tadros (1999 – 2007; Ph.D., Toronto – 2008 Margaret Thomson Award for Outstanding Ph.D. Thesis, Genetics Society of Canada; Finalist, 2008 Larry Sandler Award for Best Ph.D. Thesis, Genetics Society of America) Position: Principal Scientist, Shoreline Biosciences Inc., San Diego, California, USA
- Jennifer Semotok (1999 – 2007; Ph.D., Toronto) Position: Senior Genetic Counselor, GeneDx, Gaithersburg, Maryland, USA; Lecturer, M.Sc. Program in Genetic Counseling, Dept. of Molecular Genetics, University of Toronto, Canada

- Farzad Yousefian (2005 – 2008; M.Sc., Toronto) Position: Founder & President, Sport Performance Analytics Inc. & Performance Analyst, Ontario Regional EXCEL Program. Canadian Soccer Association, Toronto, Canada
- Helen Chun Hua He (2006 – 2008, withdrew) Position: Research Technologist, University Health Network, Toronto, Canada
- Sarah Votruba (2007 – 2009; M.Sc., Toronto) Position: Account Executive, Cloud DX Inc., Toronto, Canada
- Melissa Votruba (2007 – 2009; M.Sc., Toronto) Position: Territory Manager, Eppendorf, Inc., Canada
- Liang Ming (2004 – 2012; M.Sc. 2006, Ph.D. 2012, Toronto) Position: Validation Associate/Archivist, BioPharma Services Inc., Toronto, Canada
- Mariana Kekis (2006 – 2013; Ph.D. 2013, Toronto; co-supervisor: T. Hughes) Position: Director of Cytogenetics & Molecular Genetics and Assistant Professor (Clinical) of Human Genetics, Emory University, Atlanta, GA, USA
- Xiao Li (2007 – 2013; Ph.D. 2013, Toronto; co-supervisor: Q. Morris) Position: Assistant Professor, RNA Center, Case Western Reserve University, Cleveland, Ohio, USA
- Zhiyong Yang (2012 – 2013; M.Sc. 2013, Toronto) Position: Research Analyst, Princess Margaret Cancer Centre, Toronto, Canada
- Zhenglin Yang (2013 – 2015; M.Sc. 2015, Toronto) Position: Ph.D. student, University of Illinois, Urbana-Champaign, USA
- Linan Emily Chen (2008 – 2015; Ph.D. 2015, Toronto; co-supervisor: C. Smibert) Position: Postdoctoral Research Fellow, Dermatology, University of California, San Francisco, USA
- John Laver (2009 – 2016; Ph.D. 2016, Toronto; co-supervisor: C. Smibert) Position: Postdoctoral Research Fellow, Dept. of Cell & Systems Biology, University of Toronto, Canada
- Wendy Cao (2014 – 2020; Ph.D. 2020, Toronto; Barbara Vivash Award for the Most Outstanding Ph.D. Thesis in Molecular Genetics 2020/2021) Position: Postdoctoral Research Fellow, Department of Biological Sciences, Columbia University, New York, USA.
- Timothy Low (2016 – 2023; Ph.D. 2023, Toronto)

Undergraduate Research Students (Total: 31)

Current (1)

- Addison Zhang (2024, Univ. of Toronto)

Previous (30)

- Thu Le (1987, Caltech)
- Lindsey Dubb (1988, Caltech)
- Andreja Volenec (1989 – 1993, Caltech)
- William Zen (1992 – 1994, Caltech)
- Shaun Carstairs (1993 – 1994, Caltech)
- Tuan Hoang (summer 1994, Caltech)
- Kelly Eom (summer 1994, Caltech)
- Olga Hardy (summer 1994, Minority Undergraduate Research Fellow, Caltech)
- Jonathan Gabor (summer 1996, Univ. of Toronto)
- Anthony Shearing (MD student; summer 1996, Univ. of Toronto)
- Peggy Wang (summer 1997, Univ. of Toronto)
- Wendy Lee (summer 2000, Univ. of Toronto)
- Barbra Moss (2000, Univ. of Toronto)
- Moshe Kim (2001 – 2002, Univ. of Toronto)

- Rick Scavetta (2001 – 2002, Univ. of Toronto)
- Matthew Tse (2002, Univ. of Toronto)
- Farzad Yousefian (2003 – 2004, Univ. of Toronto)
- Michael Di Tomasso (2007 – 2008, Univ. of Toronto)
- Qiong Gao (Peking University Student, 2010, Univ. of Toronto)
- Ahmed Fahmy (2010 – 2011, Univ. of Toronto)
- Huayun Hou (Peking University Student, 2011, Univ. of Toronto)
- Xueying Li (Summer 2012, Peking University)
- Eva Lee (Summer 2012; Research Student 2012-2103, Univ. of Toronto)
- Yujie Fan (Summer 2013; Tsinghua University)
- Yu-Xi Xiao (Summer 2016, Zhejiang University)
- Simon Lam (Summer 2016 and 2016 – 2017 and Summer 2017, University of Toronto)
- Kiki Huang (2018 – 2020; Univ. of Toronto)
- Alireza Khademi (2019 – 2021, Univ. of Toronto)
- Raina Cui (2023, Univ. of Toronto)
- Firdaus Sadid (2024, Univ. of Toronto)

CURRENT RESEARCH FUNDING

Organization: Simons Foundation Autism Research Initiative
 PI: H. Lipshitz; Co-applicants: J. Calarco, H.O. Lee, C. Smibert, S. Tripathy
 Resource Grant
 Project Period: 2022 – 2024
 Title: "RNA-binding proteins in autism"
 US\$300,000

Organization: Canadian Institutes of Health Research
 PI: H. Lipshitz
 Project Grant
 Project Period: 2023 – 2028
 Title: "Synchronization of global transitions in gene regulation"
 CAN\$1,143,676