

## **CURRICULUM VITAE**

### **Personal Information**

Denise Johnson Montell, formerly Denise Marie Johnson  
 Duggan Professor  
 Molecular, Cellular and Developmental Biology Department  
 University of California, Santa Barbara  
 Santa Barbara, CA  
[denise.montell@lifesci.ucsb.edu](mailto:denise.montell@lifesci.ucsb.edu)

### **Education and Training**

B. A.,           1983   University of California, San Diego, Biochemistry and Cell Biology  
 Ph.D.,           1988   Stanford University, Neurosciences  
 Postdoc        11/88-6/90, Carnegie Institution, Developmental Genetics

### **Professional Appointments:**

<u>Position</u>	<u>Institution</u>	<u>Dates</u>
Staff Associate	Carnegie Institution Department of Embryology	1990-1992
Assistant Professor	Johns Hopkins University School of Medicine Department of Biological Chemistry	1992-1998
Associate Professor	Johns Hopkins University School of Medicine Department of Biological Chemistry	1998-2002
Professor	Johns Hopkins University School of Medicine Department of Biological Chemistry	2002-2013
Director	Graduate Program in Biological Chemistry	1999-2013
Founding Director	Center for Cell Dynamics	2006-2013
Duggan Professor	Molecular, Cellular and Developmental Biology University of California, Santa Barbara	2013-present

### **Honors, Awards and Major Lectures**

Biology Department Honors, UCSD	1983
National Science Foundation Predoctoral Fellowship	1983-1986
American Cancer Society Postdoctoral Fellowship	1988-1991

Lucille P. Markey Scholar Award	1991-1997
American Cancer Society Junior Faculty Award	1994-1997
American Cancer Society Research Scholar Award	2001-2004
Plenary Lecture, National Drosophila Conference	1992
Keynote Lecture, University of Texas at Austin Retreat	2001
Plenary Lecture, Society for Developmental Biology Meeting	2003
NYU School of Medicine Honors Lecture	2004
Plenary Lecture, American Society for Cell Biology Meeting	2006
Plenary Lecture, ComBio, Sydney Australia	2008
Northwestern University H Foundation Symposium Lecture	2009
University of Cincinnati, William Larsen Lecture	2009
Plenary Lecture, Society for Developmental Biology Meeting	2010
Plenary Lectures, National Drosophila Conference	1992, 2002, 2012
GRC Gradient Sensing and Directed Cell Migration, co-chair	2015
GRC Gradient Sensing and Directed Cell Migration, chair	2017

### **Advisory Activities**

1998-2002	NIH CDF6 Study Section
2000	NSF, Developmental Mechanisms, ad hoc
2002	American Cancer Society, Developmental and Differentiation ad hoc
2003-2006	American Cancer Society, Developmental and Differentiation, member
2005	American Cancer Society, Developmental and Differentiation, vice chair
2006	American Cancer Society, Developmental and Differentiation, chair
2006	NIH, Infectious Diseases & Microbiology IRG, ad hoc
2007	NIGMS Council, ad hoc
2008	NIH, ZRG1 CB N03M Special Emphasis Panel
2009	Howard Hughes Medical Institutes Scientific Advisory Panel
2009	NIH, CB-J(02) study section, ad hoc
2009	NIH, CB IRG web review
2009	NIH, K99/R00 review, ad hoc
2010-2014	American Cancer Society, Council of Scientific Advisors
2010-2014	NIGMS Council
2010-	UNC DB Training Program External Advisory Committee
2013-2017	Damon Runyon Review Committee

**Publications:**

1. Johnson, D. M., Newby, R. F. and Bourgeois, S. (1984) Membrane permeability as a determinant of dexamethasone resistance in murine thymoma cells. *Cancer Research* 44, 2435-2440.
2. Montell, D. J. and Goodman, C. S. (1988) *Drosophila* substrate adhesion molecule: sequence of laminin B1 chain reveals domains of homology with mouse. *Cell* 53, 463-473.
3. Montell, D. J. and Goodman, C. S. (1989) *Drosophila* laminin - sequence of B2 subunit and expression of all 3 subunits during embryogenesis. *The Journal of Cell Biology* 109, 2441-2453.
4. Montell, D. J., Keshishian, H., and Spradling, A. C. (1991) Laser ablation studies of the role of the *Drosophila* oocyte nucleus in pattern formation. *Science* 254, 290-293.
5. Montell, D. J., Rørth, P. and Spradling, A. C. (1992) *slow border cells*, a locus required for a developmentally regulated cell migration during oogenesis encodes *Drosophila* C/EBP. *Cell* 71, 51-62.
6. Rørth, P. and Montell, D.J. (1992) *Drosophila* C/EBP: a tissue specific DNA binding protein required for embryonic development. *Genes & Development* 6, 2299-2311.
7. Savant, S. and Montell, D.J. (1993) *torso-like* encodes the localized determinant for *Drosophila* terminal pattern formation. *Genes & Development* 7, 2548-2555. Cover article.
8. Montell, D.J. (1994) Moving Right Along: Regulation of Cell Migration in *Drosophila* Development. *Trends in Genetics* 10, 59-62.
9. Murphy, A. M., Lee, T., Andrews, C., Shilo, B.-Z. and Montell, D. J. (1995) The Breathless FGF receptor homolog, a downstream target of *Drosophila* C/EBP in the developmental control of cell migration. *Development* 121, 2255-2263.
10. Lee, T., Feig, L. and Montell, D. J. (1996) Two distinct roles for Ras in a

- developmentally regulated cell migration. *Development* 122, 409-418.
11. Murphy, A. M. and Montell, D. J. (1996) Cell type specific effects of Cdc42, Rac and RhoL in *Drosophila* oogenesis. *The Journal of Cell Biology* 133, 617-630.
  12. Lee T., Hacohen, N., Krasnow, M. and Montell, D. J. (1996) Regulated Breathless receptor tyrosine kinase activity required to pattern *Drosophila* tracheal cell migration and branching. *Genes & Development* 10, 2912-2921.
  13. Anderson, M. G., Certel, S. J., Certel, K., Lee, T., Montell, D. J. and Johnson, W. A. (1996) Function of the *Drosophila* POU domain transcription factor Drifter as a direct regulator of Breathless receptor tyrosine kinase expression in developing trachea. *Development* 122, 4169-4178 (1996).
  14. Lee, T. and Montell, D. J. (1997) Multiple Ras signals pattern the *Drosophila* ovarian follicle cells. *Developmental Biology* 185, 25-33.
  15. Tinker, R., Silver, D. and Montell, D. J. (1998) Requirement for the Vasa RNA helicase in Gurken mRNA localization. *Developmental Biology* 199, 1-10.
  16. Liu, Y. and Montell, D. J. (1999) Identification of Mutations that Cause Cell Migration Defects in Mosaic Clones. *Development* 126, 1869-1878.
  17. Montell, D. J. (1999) Cell Biological and Genetic Methods for Studying *Drosophila* Oogenesis, pp. 367 in A comparative Methods Approach to the Study of Oocytes and Embryos (Ed. Joel D. Richters) Oxford University Press, New York, NY.
  18. Savant-Bhonsale, S., Friese, M., McCoon, P. and Montell, D. J. (1999) A *Drosophila* *derailed* homolog, *doughnut*, expressed in invaginating tissues during embryogenesis. *Gene* 231(1-2):155-61.
  19. Montell, D. J. (1999) The Genetics of Cell Migration in *Drosophila melanogaster* and *Caenorhabditis elegans* *Development*. *Development* 126, 3035-3046.
  20. Bai, J., Uehara, Y. and Montell, D. J. (2000) Regulation of invasive cell behavior by

- Taiman, a *Drosophila* protein related to AIB1, a steroid receptor coactivator amplified in breast cancer. *Cell* 103, 1047-1058.
21. Liu, Y. and Montell, D. J. (2001) Jing, a downstream target of *s/bo* required for developmental control of border cell migration. *Development* 128, 321-330.
  22. Windberg, M., Tamagnone, L., Bai, J., Paolo M. Comoglio, Montell, D. J. and Goodman, C. S. (2001) The Transmembrane Protein Off-Track Associates with Plexins and Functions Downstream of Semaphorin Signaling during Axon Guidance. *Neuron* 32, 53-62.
  23. Montell, D. J. (2001) Command and control: regulatory pathways controlling invasive behavior of the border cells. *Mechanisms of Development* 105, 19-25.
  24. Silver, D. and Montell, D. J. (2001) Paracrine Signaling through the JAK/STAT Pathway Activates Invasive Behavior of Ovarian Epithelial Cells in *Drosophila*, *Cell* 107, 831-841.
  25. Geisbrecht, E. and Montell, D. J. (2002) Requirement for Myosin VI in E-cadherin-mediated border cell migration, *Nature Cell Biology* 4, 616-620. Cover photo.
  26. Bai, J. and Montell, D. J. (2002) Eyes Absent, a key repressor of polar cell fate during *Drosophila* oogenesis, *Development* 129, 5377-5388.
  27. McDonald, J.A., Pinheiro, E., and Montell, D. J. (2003) PVF1, a PDGF/VEGF homolog, is sufficient to guide border cells and interacts genetically with Taiman, *Development* 130, 3469-78.
  28. Silver, D. L., Naora H., Liu, J., Cheng, W. and Montell, D. J. (2004) Activated STAT3: localization in focal adhesions and function in ovarian cancer cell motility. *Cancer Research* 15, 3550-8.
  29. Yoshida, H., Cheng, W., Hung, J., Montell, D., Geisbrecht, E., Rosen, D., Liu, J. and

- Naora, H. (2004) Lessons from border cell migration in the *Drosophila* ovary: A role for myosin VI in migration of human ovarian cancer cells, PNAS 101, 8144-8149.
30. Montell, D. J. (2003) Border cell migration: the race is on. Nature Reviews Molecular Cell Biology 4, 13-24.
31. Silver, D. and Montell, D. J. (2003) A New Trick for Cyclin/Cdk, Activation of STAT. Developmental Cell 4, 1-10.
32. Geisbrecht, E. R. and Montell, D. J. (2004) *Drosophila* IAP1 Inhibition of Dronc Regulates Rac-dependent Cell Migration. Cell 118, 111-25.
33. Pinheiro, E. M. and Montell, D. J. (2004) Requirement for Par-6 and Bazooka in *Drosophila* Border Cell Migration. Development 131, 5243-51.
34. Adam, JC and Montell, DJ. (2004) A role for *extra macrochaetae* downstream of Notch in follicle cell differentiation. Development 131, 5971-5980.
35. Silver, D., Geisbrecht, E. and Montell, D. J. (2005) Continuous requirement for JAK/STAT signaling during border cell migration. Development 132, 3483-92.
36. Naora, H. and Montell, DJ. (2005) Ovarian cancer metastasis: Integrating insights from disparate model organisms. Nature Reviews Cancer, 5, 355-66.
37. Montell, D. J. (2005) Analysis of Cell Migration Using *Drosophila* as a Model Organism, pp. 175-202 in Cell Migration, Developmental Methods and Protocols v. 294 (Ed. Jun-Lin Guan) Humana Press, Totowa, NJ.
38. Montell, D.J. (2005) Anchors Away! Fos Fosters Anchor Cell Invasion. Cell 121, 816-817.
39. Wang, X., Bo, J., Bridges, T., Dugan, K.D., Chi, T.-C., Chodosh, L.A. and Montell, D. J. (2006) Analysis of cell migration using whole genome expression profiling of cells in

- the *Drosophila* ovary, *Developmental Cell* 10, 483-95.
40. Mc.Donald, J.A., Pinheiro, E., Kadlec, L., Schupbach, G. and Montell, D. J. (2006) Multiple EGFR ligands participate in guiding migrating border cells. *Developmental Biology* 296, 94-103.
  41. Montell, D.J. (2006) The social lives of migrating cells in *Drosophila* *Current Opinion in Genetics and Development* 16, 374-83.
  42. Montell, D. J. (2006) A Kinase Gets Caspases into Shape. *Cell* 126, 450-2.
  43. Wang, X. and Montell, D. J. (2007) Spatial regulation of Notch signaling through regulation of Kuzbanian gene expression, *Developmental Biology*, 301:532-40. Cover article.
  44. Prasad, M. and Montell, D. J. (2007) Cellular dynamics of migrating border cells revealed through live cell imaging, *Developmental Cell*, 12:997-1005.
  45. Jang, C. C., Starz-Gaiano, M., and Montell, D. (2007) Modeling migration and metastasis in *Drosophila*. *J Mammary Gland Biol Neoplasia*. 12:103-14.
  46. Prasad, M., Jang, A. C-C., Starz-Gaiano, M., Melani, M. and Montell, D. J. (2007) A protocol for culturing *Drosophila melanogaster* stage 9 egg chambers for live imaging, *Nature Protocols* 4:2467-2473.
  47. Starz-Gaiano, M., Melani, M., and Montell, D. J. (2008) Feedback inhibition of JAK/STAT signaling required to limit a migratory and invasive cell population. *Developmental Cell* 14:726-38.
  48. Melani, M., Simpson, K.J., Brugge, J.S. and Montell, D.J. (2008) Regulation of cell adhesion and collective cell migration by hindsight and its human homolog RREB1. *Current Biology*, 18:532-7.

49. McDonald, J.A., Khodyakova, A., Aranjuez, G., Dudley, C. and Montell, D.J. (2008) The PAR-1 serine/threonine kinase regulates epithelial detachment and directional protrusions of migrating border cells. *Current Biology*, 18:1659-67.
50. Montell, D. J. (2008) Morphogenetic Cell Movements: Diversity from Combinatorial Use of Modular Mechanical Properties. *Science*, 322:1502-5.
51. Jang, A. C.-C., Chang, Y.-C., Bai, J. and Montell, D.J. (2009) Border cell migration requires integration of spatial and temporal signals by the BTB protein Abrupt. *Nature Cell Biology* 11:569-79.
52. Starz-Gaiano, M., Melani, M., Meinhardt, H. and Montell, D. J. (2009) Interpretation of the UPD/JAK/STAT morphogen gradient in *Drosophila* follicle cells. *Cell Cycle* 8:18.
53. Gates J, Nowotarski SH, Yin H, Mahaffey JP, Bridges T, Herrera C, Homem CC, Janody F, Montell DJ, Peifer M. (2009) Enabled and Capping protein play important roles in shaping cell behavior during *Drosophila* oogenesis. *Developmental Biology* 333:90.
54. Wang, X., He, L., Wu, Y., Hahn, K. and Montell, D. J. (2010) Collective guidance of cell migration *in vivo* revealed by photo-activatable Rac, *Nature Cell Biology*, 12:591-7.
55. He, L., Wang, X., Tang, Ho Lam and Montell, D. J. (2010) Tissue elongation requires oscillating contractions of a basal actomyosin network, *Nature Cell Biology*, 12:1133-42.
56. Kim, J.-H, Yin, H., Schafer, D., Simpson, K. J., Brugge, J., Montell, D. J. (2011) Psidin, a conserved actin binding protein required for protrusion dynamics and cell migration, *Genes & Development*, 25:730-41.
57. Prasad, M. and Montell, D. J. (2011) Border Cell Migration. *Methods in Molecular Biology*, 769:277-86.



58. Yoon W.H., Meinhardt, H. and Montell, D. J. (2011) miRNA-mediated feedback inhibition of JAK/STAT morphogen signaling establishes a cell fate threshold. *Nature Cell Biology*, 13: 1062-9.
59. Wu, Y. Wang X. He L., Montell, D. and Hahn, K. (2011) Spatiotemporal control of small GTPases with light using the LOV domain. *Methods in Enzymology*, 497:393-407.
60. He, L., Wang, X. and Montell, D. J. (2011) Shining light on Drosophila oogenesis: live imaging of egg development. *Current Opinion in Genetics and Development*, 21:612-9.
61. Tang, H. L., Tang, H. M., Mak, K. H., Hu, S., Wang, S. S., Wong, K., Wong, C. S. T., Wu, H. Y., Law, H. T., Liu, K., Talbot, C. C., Jr., Lau, W. K., Montell, D. J.\*, Fung, M. C.\* (2012) DNA damage and oncogenic transformation following a transient and reversible apoptotic response, *Molecular Biology of the Cell*, 12:2240-52.
- \*co-corresponding authors
62. Montell, D. J., Yoon, W. H. and Starz-Gaiano, M. (2012) Group choreography: mechanisms that orchestrate collective movement of the border cells. *Nature Reviews Molecular Cell Biology*, 13:631-45.
63. Guo\*, Q., Wang\*, X., Tibbitt, M. W., Anseth, K. S., Montell\*, D. J. and Elisseeff\*, J. H. (2012) Light activated mesenchymal stem cell migration in synthetic extracellular matrices, *Biomaterials*: 33:8040-6. \*equal contributions.
64. He, L. and Montell, D. J. (2012) A cellular sense of touch. *Nature Cell Biology*, 14:902-3.
65. Ramel, D., Wang, X., Laflamme, C., Montell, D. J. and Emery, G. (2013) Rab11 orchestrates cell-cell communication during collective cell movements. *Nature Cell Biology* 15:317-24.

66. Tang, H. L., Tang, H. M and Montell, D. J. Stress induced mutagenesis via the reversal of apoptosis: implications for recovery, disease and evolution, in Stress-Induced Mutagenesis. Mittelman D. (Ed) (2013) Springer, New York in press.
67. Chang, Y. –C., Jang, A. and Montell, D. J. (2013) Castor is required for Hedgehog-dependent cell fate specification and follicle stem cell maintenance in Drosophila oogenesis, PNAS 110:E1734-42.

### **Editorial activities**

#### **Section Editor**

Current Opinion in Genetics and Development (2006) Oncogenes and Cell Proliferation, Volume 16, Issue 1, pages 1-100.

Pflüger's Archives Special Issue "Measuring, Monitoring and Manipulating Biochemical Activities in living cells, in preparation.

#### **Editorial Boards**

Molecular Biology of the Cell  
Current Opinion in Genetics and Development  
Mechanisms of Development  
Gene Expression Patterns

#### **Reviewer for**

Cancer Research  
Cell  
Current Biology  
Developmental Cell  
Development  
Developmental Biology  
Genes & Development  
Genetics  
Journal of Cell Biology  
Journal of Biological Chemistry

Journal of Cell Science

Mechanisms of Development

Molecular Biology of the Cell

Nature

Nature Cell Biology

Nature Reviews Molecular Cell Biology

Oncogene

PLoS

PNAS

Science

### **Speaking Invitations**

#### 1995

British Society for Developmental Biology

Southeastern Developmental Biology Conference

#### 1996

Cell Migration Keystone Meeting

Rutgers University

Duke University

Developmental Biology Gordon Conference

Carnegie Institution

Mid Atlantic Developmental Biology Conference

#### 1997

Fox chase Cancer Center

University of California, Irvine

University of Minnesota

University of Toronto

#### 1998

Johns Hopkins School of Medicine, Department of Cell Biology

Massachussetts General, Cutaneous Biology Center

Columbia University School of Medicine  
Cold Spring Harbor Laboratory  
University of North Carolina, Chapel Hill  
University of California, San Francisco  
University of Maryland, College Park

2000

Society for Developmental Biology  
Society for Cell Biology (Session Co-chair)  
Medical University of South Carolina  
Carnegie Institution, Department of Embryology  
NYU, Department of Biology

2001

Cell and Developmental Biology Symposium, National Centre for Biological Sciences,  
Tata Institute of Fundamental Research (Bangalore, India)  
Keystone meeting on Cell Migration and Invasion  
University of Texas, Austin, Developmental Biology Conference Keynote speaker  
National Institutes of Health  
Conference on Cell Motility and Morphogenesis, Berlin, Germany  
Conference "The Signals that Keep Cells Moving", Madrid, Spain  
University of California, Berkeley

2002

Skirball Institute, Department of Developmental Biology  
NIH  
National Drosophila Conference, Plenary Session on Development and Disease  
MIT, Special Symposium honoring Dr. Richard Hynes on the occasion of his retirement  
as Director of the Whitehead Institute  
Cell Migration Consortium Annual Meeting  
Exilixis, Inc.  
University of Illinois, Champagne, Urbana  
CNIO Conference on Invasion and Metastasis, Madrid, Spain

2003

Keystone Meeting on Cell Migration and Invasion, Session Chair  
Yale University School of Medicine Department of Genetics  
University of Utah  
CNIO Cancer Conference: Mechanisms of Invasion and Metastasis, Madrid, Spain  
University of California, Los Angeles  
Gordon Research Conference/ Cell Adhesion, Proctor Academy  
Society for Developmental Biology Annual Meeting, Plenary Speaker

2004

Timberline Symposium on Epithelial Cell Biology  
University of Pennsylvania Medical School  
University of Brisbane, Brisbane Australia  
Scripps Institute  
UCSF  
University of Washington, Seattle  
Dean's Lecture, Johns Hopkins Medical Institutions  
Whitehead Institute Symposium "Disease, Development and Darwin"  
Meeting on Cell Migration in Development and Disease, Karlsruhe, Germany  
University of Duesseldorf, Germany  
Biozentrum der Uni Basel, Switzerland

2005

Lorne Cancer Conference at Phillip Island, Australia  
Gordon Research Conference/ Gradient Sensing, Ventura, California  
Keystone Symposium on Cell Migration, Snowbird, Utah (co-organizer)  
Fox Chase Cancer Center  
Vanderbilt University  
Institut de Recherches Cliniques de Montréal

2006

University of Georgia

NYU School of Medicine Honors Program Lecture

National Cancer Institute

Workshop on Drosophila Development, Crete, Greece

UCSF Symposium "Migration and Movement" (student and postdoc invited speaker)

"Cell Migration, Tissue Invasion and Disease", Capri Island, Italy

Sloan-Kettering Cancer Center (student invited speaker)

ASCB National Conference Plenary Symposium Lecture

### 2007

Gordon Conference "Gradient Sensing and Directed Cell Migration", session chair

University of North Carolina, Department of Biology

MIT, Biology Department Colloquium

"Cell Migration: from Molecules to Organisms" Workshop, Milan, Italy

Woods Hole Embryology, guest lecturer

Gordon Research Conference/Cell Motility New Hampshire (session chair)

Cell Migration from Molecules to Organisms, Oxford, UK

ComBio, Sydney, Australia, Plenary Speaker

University of Canberra, Canberra, Australia

Fluorescent Proteins & Biological Sensors, Janelia Farm

### 2008

New York Academy of Sciences

Harvard University School of Medicine

Yale University School of Medicine

Keystone meeting on Cell Migration (declined)

Massachusetts General Hospital Cancer Center

University of Barcelona, Spain

Frontiers in Cell Migration, Natcher Conference Center, NIH

NAIST, Nara, Japan

Japanese Society for Cell Biology, Kobe, Japan

### 2009

University of Pennsylvania School of Medicine

NIH, National Heart Lung and Blood Institute

Gordon Research Conference - Gradient Sensing and Directed Cell Migration

American Association of Anatomists National Meeting

University of Maryland, Cell Mechanics and Motility Symposium

Northwestern University Symposium on Epithelial to Mesenchymal Transition

Gordon Research Conference - Developmental Biology

“Modeling Cancer in Drosophila”, Barcelona, Spain

Cincinnati Cancer Center, William Larsen Lecture

EMBO Conference on Morphogenesis and Dynamics of Multicellular Systems, Germany

Cell Migration Consortium Annual Meeting, Washington, DC

## 2010

California Institute of Technology, Biology Division, Pasadena, CA

University of North Carolina, Chapel Hill (CMB student invited speaker)

Hematology Grand Rounds, Johns Hopkins University

Fred Hutchison Cancer Research Center, Seattle, Washington

Biozentrum der Uni Basel, Switzerland

Vanderbilt University, Nashville, Tennessee

Chinese Academy of Sciences, Peking, China

Peking University, Peking China

Fudan University, Shanghai, China

Second Neuro-signalling symposium, Wuhan, China

Developmental Biology Research Conference, Santa Cruz, CA

Society for Developmental Biology, New Mexico

University of Connecticut Health Center, Center for Cell Analysis and Modeling

American Society of Nephrology Advances in Renal Research Meeting: The Actin

Cytoskeleton and Cell Motility, Denver, Colorado

University of Colorado Medical School, Denver, Graduate Retreat Keynote Speaker

Marie Curie Great Teacher Lecture, Nice, France

Stanford University, Chemical and Systems Biology (student-invited speaker)

## 2011

NYU Skirball Institute, Department of Developmental Genetics

University of Chicago, Department of Molecular Genetics and Cell Biology

Frontiers in Cell Migration & Mechanotransduction Meeting

Gordon Conference on Gradient Sensing and Directed Cell Migration- Keynote

Xi'an University, Xi'an China

Fudan University, Shanghai, China

Tsinghua University, Beijing, China

University of Montreal, IRIC

Universidad Pablo de Olavide, Seville, Spain

American Society for Cell Biology, minisymposium co-chair

NYU Biology Department Developmental Genetics Symposium – Keynote

## 2012

University of California, Santa Barbara

Annual Drosophila Conference – plenary speaker

Genetics Society of America, Model Organisms to Human Biology

Gordon Research Conference on Cell Adhesion

University of Pennsylvania

Mechanics to Genetics Workshop, Banff International Research Station for Mathematical

Innovation and Discovery

MD Anderson Cancer Center

Yonsei University, South Korea

Brandeis University

## 2013

Gordon Research Conference on Gradient Sensing and Directed Cell Migration

Institute of Genetic Medicine, Johns Hopkins School of Medicine

NIH, NHLBI (postdoc invited speaker)

Lawrence Berkeley Labs

Princeton University

Asia Pacific Drosophila Conference

Gordon Research Conference on Cell Contact and Adhesion (declined)

FASEB meeting on small GTPases

Cold Spring Harbor Course on Single Cell Analysis



Kavli Institute of Theoretical Physics Course in Quantitative Biology

NIH, NICHD (postdoc invited speaker)

University of California, San Diego

Université Paul Sebatier, Toulouse, France

Carnegie Mellon University (student invited speaker)

Louisiana State University, Baton Rouge, LA

#### 2014

British Society for Developmental Biology, London, England

Hunter Meeting, Sydney, Australia

University of Arizona, Tucson

EMBL Meeting on Epithelial Biology

Stowers Institute (student and postdoc invited keynote speaker)

#### 2015

Keystone Meeting on Optogenetics, Denver, CO