

# Stanford

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## Mark Krasnow

Paul and Mildred Berg Professor  
Biochemistry

### CONTACT INFORMATION

- **Alternate Contact**

Maria Petersen - Administrative Assistant

Tel 650-724-8764

### Bio

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### ACADEMIC APPOINTMENTS

- Professor, Biochemistry
- Member, Bio-X
- Member, Cardiovascular Institute
- Director, CVI/Vera Moulton Wall Center
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

### ADMINISTRATIVE APPOINTMENTS

- Executive Director, Wall Center for Pulmonary Vascular Disease, (2010- present)
- Chair, Dept. of Biochemistry, Stanford University School of Medicine, (2006-2013)
- Associate Chair, Dept. of Biochemistry, Stanford University School of Medicine, (2000-2006)
- Investigator, Howard Hughes Medical Institute, (1997- present)
- Director, Medical Scientist Training Program, (1996-2002)

### HONORS AND AWARDS

- Member, National Academy of Sciences (2019)
- Paul and Mildred Berg Professor, Stanford University (2018)
- Member, National Academy of Medicine (2016)
- Fellow, American Academy of Arts & Sciences (2009)
- Fellow, American Association for the Advancement of Science (1998)
- Recipient, Presidential Young Investigator Award (1991-1997)
- Recipient, Lucille P. Markey Scholar Award (1987-1993)

## LINKS

- Krasnow Lab: <https://krasnow-mark.squarespace.com/>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

- Lung development and stem cells
- Neural circuits of breathing and speaking
- Lung diseases including lung cancer
- New genetic model organism for biology, behavior, health and conservation

## Teaching

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### COURSES

#### 2024-25

- Biochemistry Department Minicourse: BIOC 202 (Aut)
- Developing an Original Research Proposal: BIOC 360 (Spr)

#### 2023-24

- Developing an Original Research Proposal: BIOC 360 (Spr)

#### 2022-23

- Developing an Original Research Proposal: BIOC 360 (Spr)

### STANFORD ADVISEES

#### Med Scholar Project Advisor

Timothy Wu

#### Doctoral Dissertation Reader (AC)

Chloe Kashiwagi, Gyu Kim, Samuel Kim

#### Postdoctoral Faculty Sponsor

Xiaoran Guo, Helen Yue Zhang, Yingyue Zhou

#### Doctoral Dissertation Advisor (AC)

Josh Head, Shahadat Rahman, Timothy Wu, Christine Zhou

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biochemistry (Phd Program)
- Cancer Biology (Phd Program)
- Medicine (Masters Program)
- Neonatal-Perinatal Medicine (Fellowship Program)
- Pediatric Pulmonology (Fellowship Program)
- Pulmonary & Critical Care Medicine (Fellowship Program)
- Sleep Medicine (Fellowship Program)

## Publications

### PUBLICATIONS

- **Interstitial macrophages are a focus of viral takeover and inflammation in COVID-19 initiation in human lung.** *The Journal of experimental medicine*  
Wu, T. T., Travaglini, K. J., Rustagi, A., Xu, D., Zhang, Y., Andronov, L., Jang, S., Gillich, A., Dehghannasiri, R., Martinez-Colon, G. J., Beck, A., Liu, D. D., Wilk, et al  
2024; 221 (6)
- **Neuroendocrinology of the lung revealed by single-cell RNA sequencing.** *eLife*  
Kuo, C. S., Darmanis, S., Diaz de Arce, A., Liu, Y., Almanzar, N., Wu, T. T., Quake, S. R., Krasnow, M. A.  
2022; 11
- **Molecularly defined circuits for cardiovascular and cardiopulmonary control.** *Nature*  
Veerakumar, A., Yung, A. R., Liu, Y., Krasnow, M. A.  
2022
- **The Tabula Sapiens: A multiple-organ, single-cell transcriptomic atlas of humans.** *Science (New York, N.Y.)*  
Jones, R. C., Karkanas, J., Krasnow, M. A., Pisco, A. O., Quake, S. R., Salzman, J., Yosef, N., Bulthaupt, B., Brown, P., Harper, W., Hemenez, M., Ponnusamy, R., Salehi, et al  
2022; 376 (6594): eabl4896
- **A molecular cell atlas of the human lung from single-cell RNA sequencing.** *Nature*  
Travaglini, K. J., Nabhan, A. N., Penland, L., Sinha, R., Gillich, A., Sit, R. V., Chang, S., Conley, S. D., Mori, Y., Seita, J., Berry, G. J., Shrager, J. B., Metzger, et al  
2020
- **Brain Circuit of Claustrophobia-like Behavior in Mice Identified by Upstream Tracing of Sighing.** *Cell reports*  
Li, P. n., Li, S. B., Wang, X. n., Phillips, C. D., Schwarz, L. A., Luo, L. n., de Lecea, L. n., Krasnow, M. A.  
2020; 31 (11): 107779
- **Capillary cell-type specialization in the alveolus.** *Nature*  
Gillich, A. n., Zhang, F. n., Farmer, C. G., Travaglini, K. J., Tan, S. Y., Gu, M. n., Zhou, B. n., Feinstein, J. A., Krasnow, M. A., Metzger, R. J.  
2020
- **Rare Pulmonary Neuroendocrine Cells Are Stem Cells Regulated by Rb, p53, and Notch.** *Cell*  
Ouadah, Y. n., Rojas, E. R., Riordan, D. P., Capostagno, S. n., Kuo, C. S., Krasnow, M. A.  
2019; 179 (2): 403–16.e23
- **Single-cell Wnt signaling niches maintain stemness of alveolar type 2 cells.** *Science (New York, N.Y.)*  
Nabhan, A. n., Brownfield, D. G., Harbury, P. B., Krasnow, M. A., Desai, T. J.  
2018
- **The Mouse Lemur, a Genetic Model Organism for Primate Biology, Behavior, and Health.** *Genetics*  
Ezran, C., Karanewsky, C. J., Pendleton, J. L., Sholtz, A., Krasnow, M. R., Willick, J., Razafindrakoto, A., Zohdy, S., Albertelli, M. A., Krasnow, M. A.  
2017; 206 (2): 651-664
- **Breathing control center neurons that promote arousal in mice** *SCIENCE*  
Yackle, K., Schwarz, L. A., Kam, K., Sorokin, J. M., Huguenard, J. R., Feldman, J. L., Luo, L., Krasnow, M. A.  
2017; 355 (6332): 1411-1415
- **The peptidergic control circuit for sighing** *NATURE*  
Li, P., Janczewski, W. A., Yackle, K., Kam, K., Pagliardini, S., Krasnow, M. A., Feldman, J. L.  
2016; 530 (7590): 293-?
- **Oxygen regulation of breathing through an olfactory receptor activated by lactate** *NATURE*  
Chang, A. J., Ortega, F. E., Riegler, J., Adison, D. V., Krasnow, M. A.  
2015; 527 (7577): 240-?
- **Formation of a Neurosensory Organ by Epithelial Cell Slithering** *CELL*

- Kuo, C. S., Krasnow, M. A.  
2015; 163 (2): 394-405
- **Subcellular Trafficking of FGF Controls Tracheal Invasion of Drosophila Flight Muscle** *CELL*  
Peterson, S. J., Krasnow, M. A.  
2015; 160 (1-2): 313-323
  - **Mesenchymal cells. Defining a mesenchymal progenitor niche at single-cell resolution.** *Science*  
Kumar, M. E., Bogard, P. E., Espinoza, F. H., Menke, D. B., Kingsley, D. M., Krasnow, M. A.  
2014; 346 (6211)
  - **Reconstructing lineage hierarchies of the distal lung epithelium using single-cell RNA-seq.** *Nature*  
Treutlein, B., Brownfield, D. G., Wu, A. R., Neff, N. F., Mantalas, G. L., Espinoza, F. H., Desai, T. J., Krasnow, M. A., Quake, S. R.  
2014; 509 (7500): 371-375
  - **Alveolar progenitor and stem cells in lung development, renewal and cancer.** *Nature*  
Desai, T. J., Brownfield, D. G., Krasnow, M. A.  
2014; 507 (7491): 190-194
  - **Progenitor Outgrowth from the Niche in Drosophila Trachea Is Guided by FGF from Decaying Branches** *SCIENCE*  
Chen, F., Krasnow, M. A.  
2014; 343 (6167): 186-189
  - **Radial Construction of an Arterial Wall** *DEVELOPMENTAL CELL*  
Greif, D. M., Kumar, M., Lighthouse, J. K., Hum, J., An, A., Ding, L., Red-Horse, K., Espinoza, F. H., Olson, L., Offermanns, S., Krasnow, M. A.  
2012; 23 (3): 482-493
  - **Coronary arteries form by developmental reprogramming of venous cells** *NATURE*  
Red-Horse, K., Ueno, H., Weissman, I. L., Krasnow, M. A.  
2010; 464 (7288): 549-U100
  - **Dual origin of tissue-specific progenitor cells in Drosophila tracheal remodeling** *SCIENCE*  
Weaver, M., Krasnow, M. A.  
2008; 321 (5895): 1496-1499
  - **The branching programme of mouse lung development** *NATURE*  
Metzger, R. J., Klein, O. D., Martin, G. R., Krasnow, M. A.  
2008; 453 (7196): 745-U1
  - **Social interactions among epithelial cells during tracheal branching morphogenesis** *NATURE*  
Ghabrial, A. S., Krasnow, M. A.  
2006; 441 (7094): 746-749
  - **Tube morphogenesis: Making and shaping biological tubes** *CELL*  
Lubarsky, B., Krasnow, M. A.  
2003; 112 (1): 19-28
  - **Branching morphogenesis of the Drosophila tracheal system** *ANNUAL REVIEW OF CELL AND DEVELOPMENTAL BIOLOGY*  
Ghabrial, A., Luschnig, S., Metzstein, M. M., Krasnow, M. A.  
2003; 19: 623-647
  - **Development - Genetic control of branching morphogenesis** *SCIENCE*  
Metzger, R. J., Krasnow, M. A.  
1999; 284 (5420): 1635-1639
  - **An organism-wide atlas of hormonal signaling based on the mouse lemur single-cell transcriptome.** *Nature communications*  
Liu, S., Ezran, C., Wang, M. F., Li, Z., Awayan, K., Long, J. Z., De Vlaminck, I., Wang, S., Epelbaum, J., Kuo, C. S., Terrien, J., Krasnow, M. A., Ferrell, et al  
2024; 15 (1): 2188
  - **A cluster of neuropeptide S neurons regulates breathing and arousal.** *Current biology : CB*

- Angelakos, C. C., Girven, K. S., Liu, Y., Gonzalez, O. C., Murphy, K. R., Jennings, K. J., Giardino, W. J., Zweifel, L. S., Suko, A., Palmiter, R. D., Clark, S. D., Krasnow, M. A., Bruchas, et al  
2023
- **A brainstem circuit for phonation and volume control in mice.** *Nature neuroscience*  
Veerakumar, A., Head, J. P., Krasnow, M. A.  
2023
  - **An integrated cell atlas of the lung in health and disease.** *Nature medicine*  
Sikkema, L., Ramírez-Suástegui, C., Strobl, D. C., Gillett, T. E., Zappia, L., Madissoon, E., Markov, N. S., Zaragosi, L. E., Ji, Y., Ansari, M., Arguel, M. J., Apperloo, L., Banchemo, et al  
2023
  - **Alveolar cell fate selection and lifelong maintenance of AT2 cells by FGF signaling.** *Nature communications*  
Brownfield, D. G., de Arce, A. D., Ghelfi, E., Gillich, A., Desai, T. J., Krasnow, M. A.  
2022; 13 (1): 7137
  - **Molecular hallmarks of heterochronic parabiosis at single-cell resolution.** *Nature*  
Palovics, R., Keller, A., Schaum, N., Tan, W., Fehlmann, T., Borja, M., Kern, F., Bonanno, L., Calcuttawala, K., Webber, J., McGeever, A., Tabula Muris Consortium, Luo, J., et al  
2022
  - **Serum proteome analysis of systemic JIA and related lung disease identifies distinct inflammatory programs and biomarkers.** *Arthritis & rheumatology (Hoboken, N.J.)*  
Chen, G., Deutsch, G. H., Schulert, G., Zheng, H., Jang, S., Trapnell, B., Lee, P., Macaubas, C., Ho, K., Schneider, C., Saper, V. E., de Jesus, A. A., Krasnow, et al  
2022
  - **Cell types of origin of the cell-free transcriptome.** *Nature biotechnology*  
Vorperian, S. K., Moufarrej, M. N., Tabula Sapiens Consortium, Quake, S. R., Jones, R. C., Karkanias, J., Krasnow, M., Pisco, A. O., Quake, S. R., Salzman, J., Yosef, N., Bulthaupt, B., Brown, P., et al  
2022
  - **RNA splicing programs define tissue compartments and cell types at single cell resolution.** *eLife*  
Olivieri, J. E., Dehghannasiri, R., Wang, P. L., Jang, S., de Morree, A., Tan, S. Y., Ming, J., Ruohao Wu, A., Tabula Sapiens Consortium, Quake, S. R., Krasnow, M. A., Salzman, J.  
2021; 10
  - **RNA splicing programs define tissue compartments and cell types at single-cell resolution** *ELIFE*  
Olivieri, J., Dehghannasiri, R., Wang, P. L., Jang, S., de Morree, A., Tan, S. Y., Ming, J., Wu, A., Consortium, T., Quake, S. R., Krasnow, M. A., Salzman, J.  
2021; 10
  - **Fibrous Osteodystrophy, Chronic Renal Disease, and Uterine Adenocarcinoma in Aged Gray Mouse Lemurs (Microcebus murinus).** *Comparative medicine*  
Casey, K. M., Karanewsky, C. J., Pendleton, J. L., Krasnow, M. R., Albertelli, M. A.  
2021; 71 (3): 256-266
  - **Single-cell meta-analysis of SARS-CoV-2 entry genes across tissues and demographics.** *Nature medicine*  
Muus, C., Luecken, M. D., Eraslan, G., Sikkema, L., Waghay, A., Heimberg, G., Kobayashi, Y., Vaishnav, E. D., Subramanian, A., Smillie, C., Jagadeesh, K. A., Duong, E. T., Fiskin, et al  
2021
  - **Integrating Health Systems and Science to Respond to COVID-19 in a Model District of Rural Madagascar.** *Frontiers in public health*  
Rakotonanahary, R. J., Andriambolamanana, H., Razafinjato, B., Raza-Fanomezananahary, E. M., Ramanandratsiory, V., Ralaivavikoa, F., Tsirinomen'ny Aina, A., Rahajariana, L., Rakotonirina, L., Haruna, J., Cordier, L. F., Murray, M. B., Cowley, et al  
2021; 9: 654299
  - **New approaches to small cell lung cancer therapy : from the laboratory to the clinic.** *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*  
Poirier, J. T., George, J. n., Owonikoko, T. K., Berns, A. n., Brambilla, E. n., Byers, L. A., Carbone, D. n., Chen, H. J., Christensen, C. L., Dive, C. n., Farago, A. F., Govindan, R. n., Hann, et al  
2020

- **Ageing hallmarks exhibit organ-specific temporal signatures.** *Nature*  
Schaum, N. n., Lehallier, B. n., Hahn, O. n., Pálovics, R. n., Hosseinzadeh, S. n., Lee, S. E., Sit, R. n., Lee, D. P., Losada, P. M., Zardeneta, M. E., Fehlmann, T. n., Webber, J. T., McGeever, et al  
2020
- **A single-cell transcriptomic atlas characterizes ageing tissues in the mouse.** *Nature*  
2020
- **Adult stem cells and regenerative medicine-a symposium report.** *Annals of the New York Academy of Sciences*  
Cable, J., Fuchs, E., Weissman, I., Jasper, H., Glass, D., Rando, T. A., Blau, H., Debnath, S., Oliva, A., Park, S., Passegue, E., Kim, C., Krasnow, et al  
2019
- **Genetic Identification of Vagal Sensory Neurons That Control Feeding.** *Cell*  
Bai, L. n., Mesgarzadeh, S. n., Ramesh, K. S., Huey, E. L., Liu, Y. n., Gray, L. A., Aitken, T. J., Chen, Y. n., Beutler, L. R., Ahn, J. S., Madisen, L. n., Zeng, H. n., Krasnow, et al  
2019; 179 (5): 1129–43.e23
- **The role of Olfcr78 in the breathing circuit of mice Reply** *NATURE*  
Chang, A. J., Kim, N. S., Hireed, H., de Arce, A., Ortega, F. E., Riegler, J., Madison, D. V., Krasnow, M. A.  
2018; 561 (7724): E41
- **Profile of an unknown airway cell** *NATURE*  
Travaglini, K. J., Krasnow, M. A.  
2018; 560 (7718): 313–14
- **Single-cell transcriptomics of 20 mouse organs creates a Tabula Muris.** *Nature*  
2018; 562 (7727): 367–72
- **MicroRNA-9 Couples Brain Neurogenesis and Angiogenesis.** *Cell reports*  
Madelaine, R. n., Sloan, S. A., Huber, N. n., Notwell, J. H., Leung, L. C., Skariah, G. n., Halluin, C. n., Pa#ca, S. P., Bejerano, G. n., Krasnow, M. A., Barres, B. A., Mourrain, P. n.  
2017; 20 (7): 1533–42
- **Developmental origin of lung macrophage diversity** *DEVELOPMENT*  
Tan, S. Y., Krasnow, M. A.  
2016; 143 (8): 1318-1327
- **Small Cell Lung Cancer: Can Recent Advances in Biology and Molecular Biology Be Translated into Improved Outcomes?** *Journal of thoracic oncology*  
Bunn, P. A., Minna, J. D., Augustyn, A., Gazdar, A. F., Ouadah, Y., Krasnow, M. A., Berns, A., Brambilla, E., Rekhtman, N., Massion, P. P., Niederst, M., Peifer, M., Yokota, et al  
2016; 11 (4): 453-474
- **Defining a mesenchymal progenitor niche at single-cell resolution** *SCIENCE*  
Kumar, M. E., Bogard, P. E., Espinoza, F. H., Menke, D. B., Kingsley, D. M., Krasnow, M. A.  
2014; 346 (6211): 827-?
- **Reconstructing lineage hierarchies of the distal lung epithelium using single-cell RNA-seq.** *Nature*  
Treutlein, B., Brownfield, D. G., Wu, A. R., Neff, N. F., Mantalas, G. L., Espinoza, F. H., Desai, T. J., Krasnow, M. A., Quake, S. R.  
2014; 509 (7500): 371-375
- **Two nested developmental waves demarcate a compartment boundary in the mouse lung** *NATURE COMMUNICATIONS*  
Alanis, D. M., Chang, D. R., Akiyama, H., Krasnow, M. A., Chen, J.  
2014; 5
- **Alveolar progenitor and stem cells in lung development, renewal and cancer.** *Nature*  
Desai, T. J., Brownfield, D. G., Krasnow, M. A.  
2014; 507 (7491): 190-194
- **Stem cells: Differentiated cells in a back-up role.** *Nature*  
Desai, T. J., Krasnow, M. A.

2013; 503 (7475): 204-205

- **Myb promotes centriole amplification and later steps of the multiciliogenesis program** *DEVELOPMENT*  
Tan, F. E., Vldar, E. K., Ma, L., Fuentealba, L. C., Hoh, R., Espinoza, F. H., Axelrod, J. D., Alvarez-Buylla, A., Stearns, T., Kintner, C., Krasnow, M. A.  
2013; 140 (20): 4277-4286
- **Myb promotes centriole amplification and later steps of the multiciliogenesis program.** *Development*  
Tan, F. E., Vldar, E. K., Ma, L., Fuentealba, L. C., Hoh, R., Espinoza, F. H., Axelrod, J. D., Alvarez-Buylla, A., Stearns, T., Kintner, C., Krasnow, M. A.  
2013; 140 (20): 4277-4286
- **A Genome-Wide Association Study (GWAS) for Bronchopulmonary Dysplasia.** *Pediatrics*  
Wang, H., St Julien, K. R., Stevenson, D. K., Hoffmann, T. J., Witte, J. S., Lazzeroni, L. C., Krasnow, M. A., Quintance, C. C., Oehlert, J. W., Jelliffe-Pawlowski, L. L., Gould, J. B., Shaw, G. M., O'Brodovich, et al  
2013; 132 (2): 290-297
- **High quality genome-wide genotyping from archived dried blood spots without DNA amplification.** *PloS one*  
St Julien, K. R., Jelliffe-Pawlowski, L. L., Shaw, G. M., Stevenson, D. K., O'Brodovich, H. M., Krasnow, M. A.  
2013; 8 (5)
- **Integrin Beta 1 Suppresses Multilayering of a Simple Epithelium** *PLOS ONE*  
Chen, J., Krasnow, M. A.  
2012; 7 (12)
- **A Systematic Screen for Tube Morphogenesis and Branching Genes in the Drosophila Tracheal System** *PLOS GENETICS*  
Ghabrial, A. S., Levi, B. P., Krasnow, M. A.  
2011; 7 (7)
- **Targeting Robo4-Dependent Slit Signaling to Survive the Cytokine Storm in Sepsis and Influenza** *SCIENCE TRANSLATIONAL MEDICINE*  
London, N. R., Zhu, W., Bozza, F. A., Smith, M. C., Greif, D. M., Sorensen, L. K., Chen, L., Kaminoh, Y., Chan, A. C., Passi, S. F., Day, C. W., Barnard, D. L., Zimmerman, et al  
2010; 2 (23)
- **Circulating blood cells function as a surveillance system for damaged tissue in Drosophila larvae** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Babcock, D. T., Brock, A. R., Fish, G. S., Wang, Y., Perrin, L., Krasnow, M. A., Galcko, M. J.  
2008; 105 (29): 10017-10022
- **Circulating blood cells function as a surveillance system for damaged tissue in Drosophila larvae** *Proceedings of the National Academy of Sciences*  
Babcock, D.T., Fish, G., Wang, Y., Krasnow, M.A., Galcko, M.J.  
2008; 105: 10017-10022
- **Functions of the nonsense-mediated mRNA decay pathway in Drosophila development** *PLOS GENETICS*  
Metzstein, M. M., Krasnow, M. A.  
2006; 2 (12): 2143-2154
- **Drosophila talin and integrin genes are required for maintenance of tracheal terminal branches and luminal organization (vol 133, pg 2383, 2006)** *DEVELOPMENT*  
Levi, B. P., Ghabrial, A. S., Krasnow, M. A.  
2006; 133 (12): 2383-U13
- **Genome-wide identification of mRNAs associated with the translational regulator PUMILIO in Drosophila melanogaster** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Gerber, A. P., Luschnig, S., Krasnow, M. A., Brown, P. O., Herschlag, D.  
2006; 103 (12): 4487-4492
- **Sprouty proteins are in vivo targets of Corkscrew/SHP-2 tyrosine phosphatases** *DEVELOPMENT*  
Jarvis, L. A., Toering, S. J., Simon, M. A., Krasnow, M. A., Smith-Bolton, R. K.  
2006; 133 (6): 1133-1142
- **serpentine and vermiform encode matrix proteins with chitin binding and deacetylation domains that limit tracheal tube length in Drosophila** *CURRENT BIOLOGY*

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- Luschnig, S., Batz, T., Armbruster, K., Krasnow, M. A.  
2006; 16 (2): 186-194
- **Requirement for chitin biosynthesis in epithelial tube morphogenesis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Devine, W. P., Lubarsky, B., Shaw, K., Luschnig, S., Messina, L., Krasnow, M. A.  
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  - **Cellular and genetic analysis of wound healing in *Drosophila* larvae** *PLOS BIOLOGY*  
Galko, M. J., Krasnow, M. A.  
2004; 2 (8): 1114-1126
  - **Gene expression during the life cycle of *Drosophila melanogaster*** *SCIENCE*  
Arbeitman, M. N., Furlong, E. E., Imam, F., JOHNSON, E., Null, B. H., Baker, B. S., Krasnow, M. A., Scott, M. P., Davis, R. W., White, K. P.  
2002; 297 (5590): 2270-2275
  - **Tube morphogenesis** *TRENDS IN CELL BIOLOGY*  
Krasnow, M. A., Nelson, W. J.  
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  - **Developmental control of blood cell migration by the *Drosophila* VEGF pathway** *CELL*  
Cho, N. K., Keyes, L., JOHNSON, E., Heller, J., Ryner, L., Karim, F., Krasnow, M. A.  
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  - **The *Drosophila* ribbon gene encodes a nuclear BTB domain protein that promotes epithelial migration and morphogenesis** *DEVELOPMENT*  
Shim, K., Blake, K. J., Jack, J., Krasnow, M. A.  
2001; 128 (23): 4923-4933
  - **A nuclear lamin is required for cytoplasmic organization and egg polarity in *Drosophila*** *NATURE CELL BIOLOGY*  
Guillemin, K., Williams, T., Krasnow, M. A.  
2001; 3 (9): 848-851
  - **Genetic dissection of epithelial branching and oxygen response pathways in *Drosophila*.**  
JOHNSON, E., Chiu, S. K., Jarecki, J., Krasnow, M. A.  
ACADEMIC PRESS INC ELSEVIER SCIENCE.2001: 172-72
  - **Inhibition of angiogenesis by a mouse sprouty protein** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Lee, S. H., Schloss, D. J., Jarvis, L., Krasnow, M. A., Swain, J. L.  
2001; 276 (6): 4128-4133
  - **Genetic control of epithelial tube size in the *Drosophila* tracheal system** *DEVELOPMENT*  
Beitel, G. J., Krasnow, M. A.  
2000; 127 (15): 3271-3282
  - **The *Drosophila* genome sequence: Implications for biology and medicine** *SCIENCE*  
Kornberg, T. B., Krasnow, M. A.  
2000; 287 (5461): 2218-2220
  - **Oxygen regulation of airway branching in *Drosophila* is mediated by branchless FGF** *CELL*  
Jarecki, J., JOHNSON, E., Krasnow, M. A.  
1999; 99 (2): 211-220
  - **Vertebrate Sprouty genes are induced by FGF signaling and can cause chondrodysplasia when overexpressed** *DEVELOPMENT*  
Minowada, G., Jarvis, L. A., Chi, C. L., Neubuser, A., Sun, X., Hacohen, N., Krasnow, M. A., Martin, G. R.  
1999; 126 (20): 4465-4475
  - **Genetic control of branching morphogenesis.** *Science*  
Metzger, R. J., Krasnow, M. A.  
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- **Sprouty: a common antagonist of FGF and EGF signaling pathways in Drosophila** *DEVELOPMENT*  
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