CURRICULUM VITAE

PERSONAL DATA

Monn Monn Myat
Department of Biology
Medgar Evers College
Brooklyn, NY 11225
Cell Phone (516) 770-8217
Office Phone (718) 270-6293
FAX (718) 270-6498
Email: mmyat@mec.cuny.edu
Citizenship: U.S. Citizen

EDUCATION

Mount Holyoke College, S. Hadley, MA
Degree: B.A. in Biochemistry, *cum laude,* honors in biochemistry, June 1991

Rockefeller University, New York, NY
Degree: Ph.D. in Cell Biology, June 1998
Thesis mentor: Dr. Alan Aderem

PROFESSIONAL POSITIONS AND EMPLOYMENT

1998-2002	Department of Cell Biology, Johns Hopkins University School of Medicine, Baltimore, MD Postdoctoral Fellow, Laboratory of Dr. Deborah Andrew
2002-2003	Department of Cell Biology, Johns Hopkins University School of Medicine, Baltimore, MD Research Associate, Laboratory of Dr. Deborah Andrew
2003 – 2008:	Assistant Professor of Cell and Developmental Biology. Department of Cell and Developmental Biology, Weill Medical College of Cornell University
2009 –2014:	Associate Professor of Cell and Developmental Biology. Department of Cell and Developmental Biology, Weill Medical College of Cornell University
2014-present:	Associate Professor Department of Biology, Medgar Evers College-CUNY

HONORS and AWARDS

1998	Jane Coffin Childs Postdoctoral Fellowship Award
2001	Lewis Award for Best Research Seminar in the Department of Cell Biology, Johns Hopkins University School of Medicine
2002	Scholar Development and Faculty Transition Award (K22), National Institute of

Dental and Craniofacial Research (NIH)
2006 American Cancer Society Research Scholar Award
2009 Irma T. Hirschl Career Scientist Award
2012 Charles Frueauff Foundation Award

INSTITUTIONAL RESPONSIBILITIES

Teaching

Weill Cornell Medical College (2005-2013)
Graduate School
2005-2006: Tissue Biology Focus Group, Coordinator
2006-2009: Molecular Genetics, lecturer
2008-2009: Graduate Research Seminar Series, Co-director
2011-2013: Principles in Developmental Biology, lecturer
Medical School
2006-2007: Molecules, Genes and Cells, PBL Facilitator
2008-2013: Molecules, Genes and Cells, Histology Lab leader
2009-2013: Molecules, Genes and Cells, lecturer
2009-2013: Human Structure and Function, lecturer

Medgar Evers College-CUNY (2014-present)
2014-2016: Cell Biology Lecture
2014-2016: Cell Biology Laboratory
2014-2015: Senior Seminar

INTERNAL ADMINISTRATIVE DUTIES

Weill Cornell Medical College (2006-2014)
2006-2008: Admission to Candidacy Exam (ACE) Committee
2008-2009: Admissions Committee (Graduate School)
2008-2010: General Faculty Council, Departmental Representative
2008-2014: Organizer of Departmental Work in Progress Seminar Series
2011-2014: Institutional Biosafety Committee

Medgar Evers College-CUNY (2014-present)
2014-2016: Department of Biology Assessment Committee
2014-2016: Department of Biology Core Facilities Committee
2015-2016: CUNY-wide IRB Committee
2015-2016: SSH&T Retention Committee
2015-2016: SSH&T Committee on Academic Technology
2015-2016: SSH&T College Council
2015-2016: SSH&T Scholarship Committee

NATIONAL AND INTERNATIONAL ACTIVITIES

Invited speaker/Discussion Leader

2003 Gordon Research Conference on Salivary Gland and Exocrine Secretion, Invited Speaker
2005 Gordon Research Conference on Salivary Gland and Exocrine Secretion, Discussion Leader
2006 New York Area Skin Club, Keynote Speaker
2008 Cornell University, College of Veterinary Medicine, Invited Speaker
2008 Rochester Oral Biology Conference, University of Rochester, Invited Speaker
2012 Institute for Research in Biomedicine (Barcelona, Spain), Invited Speaker
2013 Department of Biological Sciences, Hunter College-CUNY, Invited Speaker
2015 Department of Biological Sciences, Fordham University, Invited Speaker
2016 Department of Biology, Queens College-CUNY, Invited Speaker

Grant review

2008 American Heart Association, Peer-review committee
2012 NIH-NIDCR Special Grants Review Committee (DSR), ad hoc reviewer
2012 NIH-NIDCR ZDE1 Special Emphasis Panel
2014 NSF, ad hoc reviewer

Journal review

2003-present Development, Developmental Biology, Developmental Cell, Journal of Cell Science

BIBLIOGRAPHY

1. **Myat, MM**., Rashmi, R.N., Manna, D., Xu, N., Patel, U., Galiano, M., Zielinski, K., Lam, A. and Welte, M. Drosophila KASH-domain protein Klarsicht regulates microtubule stability and integrin receptor localization during collective cell migration. Developmental Biology 2015; 407: 103-114.

2. Pirraglia, C, Walters, J, Ahn, N and **Myat, MM**. Rac1 GTPase acts downstream of αPS1βPS integrin to control collective migration and lumen size in the *Drosophila* salivary gland. Developmental Biology 2013; 377: 21-32.

3. Patel, U and **Myat, MM**. Receptor guanylyl cyclase Gyc76C is required for invagination, collective migration and lumen shape in the Drosophila embryonic salivary gland. Biology Open 2013; 000: 1-7.

4. Xu, N and **Myat, MM**. Coordinated control of lumen size and collective migration in the salivary gland. Fly 2012; 6:142-146.

5. Patel, U, Davies, S-A and **Myat, MM**. Receptor-type guanylyl cyclase Gyc76C is required for development of the *Drosophila* embryonic somatic muscle. Biology Open 2012; 1:507-515.

6. Xu N, Bagumian G, Galiano M and **Myat, MM**. Rho GTPase controls Drosophila salivary gland lumen size through regulation of the actin cytoskeleton and Moesin. Development 2011; 138: 5415-27.

7. Pirraglia, C, Walters, J, **Myat, MM.** Pak1 control of E-cadherin endocytosis regulates salivary gland lumen size and shape. Development 2010; 137: 4177-89.
   **Highlighted in Faculty 1000.*
   **Featured in "In this Issue".*

8. Zhan, Y., Maung, S.W., Shao, B. and **Myat, M.M**. The bHLH transcription factor, Hairy, refines the terminal cell fate in the *Drosophila* embryonic trachea. PLoS One 2010; 5:14134.

9. Jattani,R., Patel, U., Kerman, B. and **Myat, M.M.** Deficiency screen identifies a novel role for beta 2 tubulin in salivary gland and myoblast migration in the *Drosophila* embryo. Developmental Dynamics 2009; 238:853-863.

10. Xu, N., Keung, B. and **Myat, M.M**. Rho1 GTPase controls *Drosophila* salivary gland invagination and cohesive migration through Crumbs and Rho-kinase. Developmental Biology 2008*;* 321: 88-100.

11. Kerman B.E., Cheshire A.M., **Myat, M.M.**, Andrew D.J. Ribbon Modulates Apical Membrane During Tube Elongation through Crumbs and Moesin. Developmental Biology 2008*;* 320, 278-88.

12. Pirraglia, C., Jattani, R., **Myat, M.M.** Rac function in epithelial tube morphogenesis. Developmental Biology 2006; 290:425-446.
    **Highlighted in Faculty 1000*

13. **Myat**, **M.M.**, Lightfoot H., Wang, P. and Andrew, D.J. A molecular link between FGF and Dpp-signaling in branch-specific migration of the *Drosophila* trachea. Developmental Biology 2005; 281, 38-52.
    **Highlighted in Faculty 1000.*

14. Bradley, P. L., **Myat, M.M.**, Comeaux, C.A. and Andrew, D.J. Posterior migration of the salivary gland requires an intact visceral mesoderm and integrin function. Developmental Biology 2003; 257,:249-62.

15. **Myat**, **M.M**. and Andrew, D.J. Epithelial tube morphology is determined by the polarized growth and delivery of apical membrane. Cell 2002; 111, 879-891.
    **Highlighted in Faculty 1000.*

16. **Myat, M.M.** and Andrew, D.J. Organ shape in the *Drosophila* salivary gland is controlled by the regulated internalization of the primordia. Development 2000; 127, 679-691.

17.**Myat, M.M.** and Andrew, D.J. Fork head prevents apoptosis and promotes cell shape

change during formation of the *Drosophila* salivary glands. Development 2000; 127, 4217-4226.

18.**Myat, M.M.,** Chang, S., Rodriguez-Boulan, E. and Aderem, A. Identification of the basolateral targeting determinant of a peripheral membrane protein, MacMARCKS, in polarized cells. Current Biology 1998; 8:677-83.

19. **Myat, M.M.,** Anderson, S., Allen, L.A. and Aderem, A. MARCKS regulates membrane ruffling and cell spreading. Current Biology 1997; 7:611-4.

BOOK CHAPTERS, REVIEWS, COMMENTARIES

20. **Myat, M.M.** Making tubes in the *Drosophila* Embryo. Developmental Dynamics 2005; 232, 617-632.

21.Pirraglia, C. and **Myat, M.M.** Genetic regulation of *Drosophila* salivary gland development. Salivary Glands. Karger; 2010.

22.Xu, N., Pirraglia, C., Patel., U and **Myat, M.M**. Mechanisms of lumen development in *Drosophila* tubular organs, Embryogenesis. Dr. Ken-Ichi Sato (Ed.), ISBN: 978-953-51-0466-7, InTech, DOI: 10.5772/36730. Available from: http://www.intechopen.com/books/embryogenesis/mechanisms-of-lumen-development-in-drosophila-tubular-organs