

## CURRICULUM VITAE

**NAME:** John Stephen Condeelis

**EDUCATION:** Rensselaer Polytechnic Institute, 1971  
B.S. Physics

State University of New York, Albany, 1975  
Ph.D. Biology

Harvard University, Cambridge, Mass. 1975-1977  
Postdoctoral Fellow in Biophysics

**POSITIONS HELD**

Staff 1970-1972  
Rensselaer Polytechnic Institute  
High Energy Electron Linear Accelerator  
Laboratory, Department of Nuclear  
Chemistry and Physics

Assistant Instructor of Cell Biology and General Biology, 1972-1974  
State University of New York, Albany

Instructor, Cell Biology 1975-1977  
Tutorial Program  
Harvard University, Cambridge  
Massachusetts,

Assistant Professor of Anatomy 1977-1982  
Albert Einstein College of Medicine,  
New York

Instructor, 1981-1982  
Physiology Course  
Marine Biological Laboratory,  
Woods Hole, Massachusetts

Associate Professor of Anatomy 1982-1987  
Albert Einstein College of Medicine,  
New York

Professor of Anatomy and Structural Biology 1987-Present  
Albert Einstein College of Medicine,  
New York

Director, 1992-1994  
Image Analysis Facility  
Albert Einstein College of Medicine

Scientific Director 1995-Present  
Analytical Imaging Facility  
Albert Einstein College of Medicine

Co-Chair, Division of Research 1998-2000

Albert Einstein College of Medicine	
Microenvironment and Metastasis Program Director Cancer Center, Albert Einstein College of Medicine	1998-Present
Co-Chair (with Robert Singer) Anatomy and Structural Biology Albert Einstein College of Medicine	2001-Present
Co-Director (with Robert Singer) Gruss Lipper Biophotonics Center Albert Einstein College of Medicine	2005-Present
The Judith and Burton P. Resnick Chair in Translational Research	2009-

### **FELLOWSHIPS, AWARDS AND SPECIAL APPOINTMENTS**

U.S. Public Health Service Predoctoral Fellowship, State University of New York, Albany	1971-1975
U.S. Public Health Service Postdoctoral Fellowship, Harvard University, Cambridge, Massachusetts	1975-1977
Cabot House Assistant Tutor Harvard University, Cambridge, Massachusetts	1975-1977
Rita Allen Foundation Scholar	1979-1984
Irma T. Hirschl Career Scientist Award	1984-1989
Mortimer Harrison Trust Award	1997-1999
Participant, NIH Advantage America	1992
Editorial Board (Founding Member): Cell Motility and the Cytoskeleton	1986-1993
Editorial Board: The Journal of Cell Biology	1995-2001
President: New York Society of Experimental Microscopists	1997-1998
Board of Councilors, Heart, Lung and Blood Institute, NIH	1997, 2001
Consultant, NCI, Imaging	2005
Fellow of the American Association for the Advancement of Science (AAAS)	2006-
Council, ASCB	2006-2008
Consultant, NCI, Tumor Microenvironment	2006
Consultant, NCI, Cancer Dormancy	2006
Board of Advisors for the Developmental Studies Hybridoma Bank, NIH	2009

**PROFESSIONAL SOCIETIES**

American Association for Cancer Research  
 American Society for Cell Biology  
 Biophysical Society  
 Harvey Society  
 International Society for Optical Engineering  
 New York Academy of Sciences  
 New York Society of Experimental Microscopists  
 AAAS

**PROFESSIONAL SERVICE:**

Co-organizer:	Cold Spring Harbor meeting on "The Cytoskeleton, Membrane and Movement."	1979
Co-organizer:	Fogarty Symposium on the "Cytoplasmic Matrix," Fogarty International Center, Bethesda	1983
Scientific Organizing Committee:	First International Symposium on Contractile Proteins in Muscle and Non-Muscle Cells, Sassari, Italy	1983
Consultant to the Graduate Program, Department of Biology,	New York University, New York	1985
Organizer:	New York Society of Electron Microscopists symposium: "Actin-Membrane Interactions"	1986
Co-organizer:	UCLA Symposium: "Signal Transduction in Cytoplasmic Organization and Cell Motility"	1987
Special Reviewer:	Molecular Cytology Study Section, NIH	1986
Co-organizer:	Symposium, Marine Biological Laboratory "Optical Approaches to the Dynamics of Cellular Motility"	1987
Consultant to the Graduate Program, Department of Biology	University of Ottawa, Canada	1987
Ad hoc Reviewer:	Cell Biology Study Section, NIH	1988
Co-organizer (with Donald Fischman):	Contractility/ Cytoskeleton Club of New York	1987-1989
Chairman:	Special Study Section, National Institutes of General Medical Sciences	1989
Member:	Cell Biology & Physiology Study Section, NIH	1989-1993
Member:	Special Study Section, Division of Research Resources, NIH	1989
Co-Director:	Graduate Cell Biology Course	1989-1996

Member: Cell Biology and Physiology Study Section, (CBYI) NIH	1991-1993
Co-chair, Gordon Conference on Motile and Contractile Systems	1992
Chairman, Gordon Conference on Motile and Contractile Systems	1994
Chairman: Cell Biology and Physiology Study Section, (CBYI) NIH	1991-1993
Consultant to the Graduate Program, Department of Biology, University of Massachusetts, Amherst	1996
Ad hoc Reviewer: NIH Special Emphasis Panel SIG Program	2000
American Cancer Society Program Review Committee	2001
AACR Centennial Program Committee	2006
NIH Workshop on Cancer Dormancy/Dr. Robert L. Vessella University of Washington Medical Center, Seattle, WA Washington, DC	2006
Organizer, Banbury Meeting on Invadopods and Podosomes	2007
Organizer, Keystone Meeting, Motility in Invasion and Inflammation	2008

#### **AECOM COMMITTEES (Since 1997)**

Division of Research	1997-
Chairman, Grants Management	1997-1999
Chairman, Committee to Review the Office of Scientific Operations	1998
LCME	1998
Member, Division of Research subcommittees: Graduate and Postdoctoral Programs Grants Management CGTM Planning Shared Resources Interim Space	1998-2001
Chairman, Search for Cryo-TEM Faculty	1999-2000
Co-Chair, Strategic Plan	2000
Tenure Award Committee	2001-2005
Dean's Basic Science Committee	2001-

Dean's Search Committee	2005-2006
Microbiology and Immunology Chair Search Committee	2005-2006
Micropet Imaging Committee	2005
MRRC Search Committee	2006-2007
Science Council Committee	2006-

## **TEACHING**

Medical Histology	1977-2003
Co-Originator (with Dennis Shields), Cellular Design Principles (the Cell Biology course of AECOM Graduate Program)	1984-2000
Molecular and Cellular Foundations of Medicine	1998-2003

## **PREDOCTORAL TRAINEES (rotating students not shown)**

<b>Trainee</b>	<b>Current</b>	<b>Years here</b>
Joan Carboni	Senior Scientist Bristol-Myers Squibb	1979-1984
Rick Hock	Professor Biochemistry, Philadelphia College of Pharmacy and Science	1981-1986
Holly Bennett	Deceased	1981-1986
Anne Bresnick	Professor Dept. of Biochemistry, AECOM	1985-1990
Anne Hall	High School Teacher	1985-1989
Mark Demma	Research Associate Columbia University	1987-1989
Robert Eddy	Instructor Anatomy & Structural Biology, AECOM	1988-1997
Dianne Cox	Associate Professor ASB and DMB, AECOM	1989-1995
John Murray	Instructor Liver Center, AECOM	1992-1997
Jinghua Han	Research Associate Molecular Genetics, AECOM	1994-1996
Amanda Chan	Research Scientist	1994-1999

	Picower Institute	
Ilia Ichetovkin	Research Scientist Ikonisis, New Haven	1997-2002
Xiaoyan Song	Oncologist Resident Brooklyn Hospital	2000-2007
Ghassan Mouneimne	Postdoctoral Fellow Harvard Medical School, Boston, MA	2001-2006
Corina Sarmiento	Postdoctoral Fellow UCLA, Los Angeles, CA	2001-2007
Mazen Sidani	Postdoctoral Fellow UCSF, San Francisco	2002-2008
Jenny Yip	Postdoctoral Fellow Fox Chase Cancer Center, Philadelphia	2001-2006
Matthew Oser	Categorical Resident in Brigham and Women's Internal Medicine Residency, PGY1	2006-2010
Marianela Arias	Private Industry	2006-2008
Chon Hong Gong	Graduated. Continued Research Independently	2006-2007
Evanthia Roussos	Predoctoral Fellow, MSTP ASB, AECOM	2007-2010
Brian Beaty	Predoctoral Fellow	2011-
Maxwell Weidmann	Predoctoral Fellow	2012-

#### **POSTDOCTORAL TRAINEES**

Jeffrey Salsbury	Professor of Cell Biology Mayo Clinic	1997-1982
Maryanne Vahey	Senior Scientist DOE	1980-1984
Paricia Detmers	Senior Scientist Merck Research Labs	1982-1986
Satoshi Ogihara	Professor of Biology Osaka University, Japan	1984-1988
Sue Dharmawardhane	Assoc. Professor of Biology U. Texas, Austin	1988-1992
Roger Sauterer	Assoc. Professor of Biology Jacksonville State University	1988-1993

Fan Yang	Assist. Professor of Pathology Medical University of Wisconsin	1988-1992
Brian Edmonds	Senior Scientist Eli Lilly	1991-1997
Andrew Ridsdale	Associate Professor University of Ottawa, Canada	1993-1995
Gang Liu	Associate Professor Albany Medical College	1993-2000
Elena Shestakova	Staff Scientist, CNRS	1997-1999
Maryse Bailly	Associate Professor University College London	1995-2000
Noureddine Zebda	Principal Scientist GlaxoSmithKline, UK	1996-2000
Mousumi Ghosh	Assist. Director of Proteomics New York Blood Center	2000-2005
Sumanta Goswami	Assistant Professor Biology Dept. Yeshiva University	2001-2006
Alex Rodriguez	Assistant Professor Rutgers University	2001-2008
Mike Lorenz	Assistant Professor Head of Optical Technology Max-Planck Institute	2001-2005
Weigang Wang	Sr. Scientist ImClone Systems	2001-2006
Jiade Yang	Professor of Chemistry Nankai University, China	2001-2005
Hideki Yamaguchi	Section Head, Growth Factor Division National Cancer Center Research Institute Tokyo, Japan	2003-2006
Erik Sahai	Group Leader Cancer Research Inst. London, UK	2003-2005
Lillian Soon	Assistant Professor University of Sydney, Australia	2003-2005
Jacco van Rheenen	Principal Investigator Hubrecht Institute, Netherlands	2006-2008

Vera DesMarais	Co-Director of Light Microscopy AECOM/AIF DEPT.	2000-2010
Amber Wells	Associate OSI Pharmaceuticals	2003-2010
Daniel Larson	Investigator Laboratory of Receptor Biology & Gene Expression Head, Systems Biology of Gene Expression NIH	2004-2011
Antonia Patsialou	Current	2006-
Bojana Gligorijevic	Current	2007-
Daqian Sun	Associate Scientist at Mt. Sinai School of Medicine	2007-2010
Ved Sharma	Current	2007-
Jose Javier Bravo	Current	2008-
Devrim Pesen	Asst. Professor Izmir Institute of Technology, Turkey	2008-2010
Marco Magalhaes	Oral Pathology and Oral Medicine Resident University of Toronto, Faculty of Dentistry	2009-2011
Minna Roh	Current	2010-
Esther Arwert	Current	2011
Allison Harney	Current	2011

## **PUBLICATIONS**

1. Jahn TL, Votta JJ, Kirby GS, Rinaldi RA, Cameron IL, Allen RD, Zeh R, Condeelis J, Francis DW. (1972). Capillary suction test of the pressure gradient theory of amoeboid motion. Science. 177(4049):636-8. PMID: 17743127.
2. Moore PL, Condeelis JS, Taylor DL, Allen RD. (1973). A method for the morphological identification of contractile filaments in single cells. Experimental cell research. 80(2):493-5. PMID: 4126816.
3. Taylor DL, Condeelis JS, Moore PL, Allen RD. (1973). The contractile basis of amoeboid movement. I. The chemical control of motility in isolated cytoplasm. The Journal of cell biology. 59(2 Pt 1):378-94. PMID: 4805006 / PMCID: PMC2109088.
4. Condeelis JS. (1974). The identification of f actin of the pollen tube and protoplast of amaryllis belladonna. Experimental cell research. 88(2):435-9. PMID: 4609784.
5. Condeelis JS, Taylor DL, Moore PL, Allen RD. (1976). The mechanochemical basis of



- amoeboid movement. II. Cytoplasmic filament stability at low divalent cation concentrations. Experimental cell research. 101(1):134-42. PMID: 821762.
6. Taylor DL, Moore PL, Condeelis JS, Allen RD. (1976). The mechanochemical basis of amoeboid movement. I. Ionic requirements for maintaining viscoelasticity and contractility of amoeba cytoplasm. Experimental cell research. 101(1):127-33. PMID: 821761.
  7. Condeelis JS. (1977). The isolation of microquantities of myosin from amoeba proteus and chaos carolinensis. Analytical biochemistry. 78(2):374-94. PMID: 851213.
  8. Condeelis JS. (1977). The self-assembly of synthetic filaments of myosin isolated from chaos carolinensis and amoeba proteus. Journal of cell science. 25:387-402. PMID: 19485.
  9. Condeelis JS. (1977). A sodium dodecyl sulfate micro-gel-electrophoresis technique suitable for routine laboratory analysis. Analytical biochemistry. 77(1):195-207. PMID: 831571.
  10. Condeelis JS, Taylor DL. (1977). The contractile basis of amoeboid movement. V. The control of gelation, solation, and contraction in extracts from dictyostelium discoideum. The Journal of cell biology. 74(3):901-27. PMID: 20447 / PMCID: PMC2110086.
  11. Taylor DL, Condeelis JS, Rhodes JA. (1977). The contractile basis of amoeboid movement iii. Structure and dynamics of motile extracts and membrane fragments from dictyostelium discoideum and amoeba proteus. Progress in clinical and biological research. 17:581-603. PMID: 22087.
  12. Condeelis J. (1979). Isolation of concanavalin a caps during various stages of formation and their association with actin and myosin. The Journal of cell biology. 80(3):751-8. PMID: 457767 / PMCID: PMC2110358.
  13. Taylor DL, Condeelis JS. (1979). Cytoplasmic structure and contractility in amoeboid cells. International review of cytology. 56:57-144. PMID: 37189.
  14. Salisbury JL, Condeelis JS, Satir P. (1980). Evidence for the involvement of calmodulin in endocytosis. Annals of the New York Academy of Sciences. 356:429-32. PMID: 6940508.
  15. Salisbury JL, Condeelis JS, Satir P. (1980). Role of coated vesicles, microfilaments, and calmodulin in receptor-mediated endocytosis by cultured b lymphoblastoid cells. The Journal of cell biology. 87(1):132-41. PMID: 6968316 / PMCID: PMC2110705.
  16. Wolosewick JJ, Becker R, Condeelis J. (1980). The appearance of microtubules and the cytoplasmic ground substance in resinless sections of cells. In: Microtubules and microtubule inhibitors, (m. De braander, ed.), elsevier, amsterdam, p. 3-16.
  17. Condeelis, J.S. and Wolosewick, J. (1980). The actin lattice: composition, structure and membrane attachment. EMSA 38:420-423.
  18. Condeelis JS. (1981). Reciprocal interactions between the actin lattice and cell membrane. Neurosciences Research Program bulletin. 19(1):83-99. PMID: 6894187.
  19. Condeelis, J., Salisbury, J. and Fujiwara, K. (1981) A new protein that gels F actin in the cell cortex of Dictyostelium discoideum. Nature 292:161-163.
  20. Condeelis, J.S. (1981) Microfilament-membrane interactions in cell shape and surface architecture. In: International Cell Biology 1980-81, Springer Verlag, Berlin pp. 306-320.
  21. Salisbury JL, Condeelis JS, Maihle NJ, Satir P. (1981). Calmodulin localization during capping and receptor-mediated endocytosis. Nature. 294(5837):163-6. PMID: 7029305.
  22. Condeelis, J.S., Geosits, S. and Vahey, M. (1982) Isolation of a new actin binding protein from Dictyostelium discoideum. Cell Motility 2:273-285.
  23. Condeelis J, Vahey M. (1982). A calcium- and ph-regulated protein from dictyostelium discoideum that cross-links actin filaments. The Journal of cell biology. 94(2):466-71.

- PMID: 7107709 / PMCID: PMC2112894.
24. Salisbury JL, Condeelis JS, Maihle NJ, Satir P. (1982). Receptor-mediated endocytosis by clathrin-coated vesicles: Evidence for a dynamic pathway. Cold Spring Harbor symposia on quantitative biology. 46 Pt 2:733-41. PMID: 7049535.
  25. Detmers PA, Goodenough UW, Condeelis J. (1983). Elongation of the fertilization tubule in chlamydomonas: New observations on the core microfilaments and the effect of transient intracellular signals on their structural integrity. The Journal of cell biology. 97(2):522-32. PMID: 6684125 / PMCID: PMC2112536.
  26. Salisbury JL, Condeelis JS, Satir P. (1983). Receptor-mediated endocytosis: Machinery and regulation of the clathrin-coated vesicle pathway. International review of experimental pathology. 24:1-62. PMID: 6132893.
  27. Condeelis, J. (1983) Rheological properties of cytoplasm: significance for the organization of spatial information and movement. In: Spatial Organization of Eukaryotic Cells, (J.R. McIntosh, ed.) pp. 224-240.
  28. Grillone, L., Condeelis, J. and Gennaro, J. (1984) Arrangement of the actin lattice in the basal cytoplasm of toad urinary bladder epithelial cells. Ann. N.Y. Acad. Sci. 435:268-273.
  29. Bennett H, Condeelis J. (1984). Decoration with myosin subfragment-1 disrupts contacts between microfilaments and the cell membrane in isolated dictyostelium cortices. The Journal of cell biology. 99(4 Pt 1):1434-40. PMID: 6541222 / PMCID: PMC2113297.
  30. Condeelis J, Vahey M, Carboni JM, DeMey J, Ogihara S. (1984). Properties of the 120,000- and 95,000-dalton actin-binding proteins from dictyostelium discoideum and their possible functions in assembling the cytoplasmic matrix. The Journal of cell biology. 99(1 Pt 2):119s-26s. PMID: 6746725 / PMCID: PMC2275594.
  31. Tilles, S.M., Sasaki, J., Franki, N., Meiteles, L., Condeelis, J., Carboni, J., Fant, J., Macaluso, F. and Hays, R.M. (1984) The intracellular action of antidiuretic hormone as seen by transmission and scanning electron microscopy. The Einstein Quarterly Journal of Biology and Medicine 2:111-119.
  32. Sasaki J, Tilles S, Condeelis J, Carboni J, Meiteles L, Franki N, Bolon R, Robertson C, Hays RM. (1984). Electron-microscopic study of the apical region of the toad bladder epithelial cell. The American journal of physiology. 247(3 Pt 1):C268-81. PMID: 6433717.
  33. Carboni JM, Condeelis JS. (1985). Ligand-induced changes in the location of actin, myosin, 95k (alpha-actinin), and 120k protein in amebae of dictyostelium discoideum. The Journal of cell biology. 100(6):1884-93. PMID: 3889011 / PMCID: PMC2113601.
  34. Detmers PA, Carboni JM, Condeelis J. (1985). Localization of actin in chlamydomonas using antiactin and nbd-phalloidin. Cell motility. 5(5):415-30. PMID: 2415259.
  35. Bennett H, Condeelis J. (1986). A gradient in the density of intramembrane particles is formed during capping induced by concanavalin a. Journal of cell science. 83:61-76. PMID: 3805146.
  36. Detmers PA, Condeelis J. (1986). Trifluoperazine and w-7 inhibit mating in chlamydomonas at an early stage of gametic interaction. Experimental cell research. 163(2):317-26. PMID: 3956581.
  37. Ogihara S, Carboni J, Condeelis J. (1986). Cortical actin architecture in moving cells revealed by high resolution immunoelectron microscopy. In proceedings of the 11th taniguchi international symposium (yaagida, t. Ed.). The taniguchi foundation, osaka, p.160-168.
  38. Woloszewick, J. and Condeelis, J. (1986) Fine structure of gels. In Membrane Skeletons and Cytoskeletal-membrane Associations, (eds. Bennett, B., Cohen, C., Lux, S., Palek, J.). Alan R. Liss, N.Y., p. 113-129.

39. Wolosewick JJ, Condeelis J. (1986). Fine structure of gels prepared from an actin-binding protein and actin: Comparison to cytoplasmic extracts and cortical cytoplasm in amoeboid cells of cortical cytoplasm in amoeboid cells of dictyostelium discoideum. Journal of cellular biochemistry. 30(3):227-43. PMID: 3700494.
40. Condeelis J, Ogihara S, Bennett H, Carboni J, Hall A. (1987). Ultrastructural localization of cytoskeletal proteins in dictyostelium amoebae. Methods in cell biology. 28:191-207. PMID: 3600406.
41. Hock RS, Condeelis JS. (1987). Isolation of a 240-kilodalton actin-binding protein from dictyostelium discoideum. The Journal of biological chemistry. 262(1):394-400. PMID: 2432064.
42. Bennett H, Condeelis J. (1988). Isolation of an immunoreactive analogue of brain fodrin that is associated with the cell cortex of dictyostelium amoebae. Cell motility and the cytoskeleton. 11(4):303-17. PMID: 3219734.
43. Condeelis J, Hall A, Bresnick A, Warren V, Hock R, Bennett H, Ogihara S. (1988). Actin polymerization and pseudopod extension during amoeboid chemotaxis. Cell motility and the cytoskeleton. 10(1-2):77-90. PMID: 3052871.
44. Hall AL, Schlein A, Condeelis J. (1988). Relationship of pseudopod extension to chemotactic hormone-induced actin polymerization in amoeboid cells. Journal of cellular biochemistry. 37(3):285-99. PMID: 3410887.
45. Satir, P., Condeelis, J. and Lazarides, E. (1988) Signal Transduction in Cytoplasmic Organization and Cell Motility, Alan R. Liss, N.Y.
46. Rebhun, L., Taylor, D. and Condeelis, J. (1988) Optical Approaches to the Dynamics of Cellular Motility, Alan R. Liss, N.Y.
47. Ogihara S, Carboni J, Condeelis J. (1988). Electron microscopic localization of myosin ii and abp-120 in the cortical actin matrix of dictyostelium amoebae using igg-gold conjugates. Developmental genetics. 9(4-5):505-20. PMID: 3243031.
48. Dharmawardhane S, Warren V, Hall AL, Condeelis J. (1989). Changes in the association of actin-binding proteins with the actin cytoskeleton during chemotactic stimulation of dictyostelium discoideum. Cell motility and the cytoskeleton. 13(1):57-63. PMID: 2543508.
49. Hall AL, Warren V, Condeelis J. (1989). Transduction of the chemotactic signal to the actin cytoskeleton of dictyostelium discoideum. Developmental biology. 136(2):517-25. PMID: 2511051.
50. Hall AL, Warren V, Dharmawardhane S, Condeelis J. (1989). Identification of actin nucleation activity and polymerization inhibitor in amoeboid cells: Their regulation by chemotactic stimulation. The Journal of cell biology. 109(5):2207-13. PMID: 2553744 / PMCID: PMC2115889.
51. Wessels D, Schroeder NA, Voss E, Hall AL, Condeelis J, Soll DR. (1989). Camp-mediated inhibition of intracellular particle movement and actin reorganization in dictyostelium. The Journal of cell biology. 109(6 Pt 1):2841-51. PMID: 2556407 / PMCID: PMC2115927.
52. Bresnick AR, Warren V, Condeelis J. (1990). Identification of a short sequence essential for actin binding by dictyostelium abp-120. The Journal of biological chemistry. 265(16):9236-40. PMID: 2345173.
53. Condeelis J. (1990). Molecular analysis of amoeboid chemotaxis. Cancer investigation. 8(6):659-60. PMID: 2292061.
54. Condeelis J, Bresnick A, Demma M, Dharmawardhane S, Eddy R, Hall AL, Sauterer R, Warren V. (1990). Mechanisms of amoeboid chemotaxis: An evaluation of the cortical expansion model. Developmental genetics. 11(5-6):333-40. PMID: 1965713.
55. Demma M, Warren V, Hock R, Dharmawardhane S, Condeelis J. (1990). Isolation of an

- abundant 50,000-dalton actin filament bundling protein from dictyostelium amoebae. The Journal of biological chemistry. 265(4):2286-91. PMID: 2404981.
56. Frankel S, Condeelis J, Leinwand L. (1990). Expression of actin in escherichia coli. Aggregation, solubilization, and functional analysis. The Journal of biological chemistry. 265(29):17980-7. PMID: 2211676.
  57. Luna EJ, Condeelis JS. (1990). Actin-associated proteins in dictyostelium discoideum. Developmental genetics. 11(5-6):328-32. PMID: 2096013.
  58. Yang F, Demma M, Warren V, Dharmawardhane S, Condeelis J. (1990). Identification of an actin-binding protein from dictyostelium as elongation factor 1a. Nature. 347(6292):494-6. PMID: 2215665.
  59. Bresnick AR, Condeelis J. (1991). Isolation of actin-binding proteins from dictyostelium discoideum. Methods in enzymology. 196:70-83. PMID: 1851943.
  60. Bresnick AR, Janmey PA, Condeelis J. (1991). Evidence that a 27-residue sequence is the actin-binding site of abp-120. The Journal of biological chemistry. 266(20):12989-93. PMID: 2071586.
  61. Condeelis J, Hall AL. (1991). Measurement of actin polymerization and cross-linking in agonist-stimulated cells. Methods in enzymology. 196:486-96. PMID: 1851942.
  62. Dharmawardhane S, Demma M, Yang F, Condeelis J. (1991). Compartmentalization and actin binding properties of abp-50: The elongation factor-1 alpha of dictyostelium. Cell motility and the cytoskeleton. 20(4):279-88. PMID: 1666339.
  63. Ding GH, Franki N, Condeelis J, Hays RM. (1991). Vasopressin depolymerizes f-actin in toad bladder epithelial cells. The American journal of physiology. 260(1 Pt 1):C9-16. PMID: 1899002.
  64. Jones JG, Segall J, Condeelis J. (1991). Molecular analysis of amoeboid chemotaxis: Parallel observations in amoeboid phagocytes and metastatic tumor cells. Exs. 59:1-16. PMID: 1833224.
  65. Yang, F. and Condeelis, J. (1991) ABP-50. In Cytoskeletal and Structural Proteins (Vale and T. Kreis, eds.) Sambrook and Tooze, San Francisco.
  66. Bresnick, A. and Condeelis, J. (1991) ABP-120. In Cytoskeletal and Structural Proteins (Vale and T. Kreis, eds.) Sambrook and Tooze, San Francisco.
  67. Sauterer RA, Eddy RJ, Hall AL, Condeelis JS. (1991). Purification and characterization of aginactin, a newly identified agonist-regulated actin-capping protein from dictyostelium amoebae. The Journal of biological chemistry. 266(36):24533-9. PMID: 1761553.
  68. Condeelis J. (1992). Are all pseudopods created equal? Cell motility and the cytoskeleton. 22(1):1-6. PMID: 1581977.
  69. Condeelis J, Jones J, Segall JE. (1992). Chemotaxis of metastatic tumor cells: Clues to mechanisms from the dictyostelium paradigm. Cancer metastasis reviews. 11(1):55-68. PMID: 1511497.
  70. Cox D, Condeelis J, Wessels D, Soll D, Kern H, Knecht DA. (1992). Targeted disruption of the abp-120 gene leads to cells with altered motility. The Journal of cell biology. 116(4):943-55. PMID: 1310321 / PMCID: PMC2289347.
  71. Owen CH, DeRosier DJ, Condeelis J. (1992). Actin crosslinking protein ef-1a of dictyostelium discoideum has a unique bonding rule that allows square-packed bundles. Journal of structural biology. 109(3):248-54. PMID: 1296758.
  72. Condeelis J. (1993). Life at the leading edge: The formation of cell protrusions. Annual review of cell biology. 9:411-44. PMID: 8280467.
  73. Condeelis J. (1993). Understanding the cortex of crawling cells: Insights from dictyostelium. Trends in cell biology. 3(11):371-6. PMID: 14731653.

74. Eddy RJ, Sauterer RA, Condeelis JS. (1993). Aginactin, an agonist-regulated f-actin capping activity is associated with an hsc70 in dictyostelium. The Journal of biological chemistry. 268(31):23267-74. PMID: 8226849.
75. Hays RM, Condeelis J, Gao Y, Simon H, Ding G, Franki N. (1993). The effect of vasopressin on the cytoskeleton of the epithelial cell. Pediatric nephrology. 7(5):672-9. PMID: 8251343.
76. Condeelis J. (1995). Elongation factor 1 alpha, translation and the cytoskeleton. Trends in biochemical sciences. 20(5):169-70. PMID: 7610475.
77. Cox D, Ridsdale JA, Condeelis J, Hartwig J. (1995). Genetic deletion of abp-120 alters the three-dimensional organization of actin filaments in dictyostelium pseudopods. The Journal of cell biology. 128(5):819-35. PMID: 7876307 / PMCID: PMC2120398.
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