

CURRICULUM VITAE

Name: John M. Robinson

Education:

1968 B.S., Alabama College, Montevallo, AL
1976 Ph.D., Vanderbilt University, Nashville, TN

Postdoctoral Training:

1976-1979 Research Fellow in Pathology, Harvard Medical School, Boston, MA

Academic Appointments:

1968-1972 Public School Teacher, Blount County, Alabama
1979-1980 Instructor of Pathology, Harvard Medical School
1980-1986 Assistant Professor of Pathology, Harvard Medical School
1986-1988 Associate Professor of Pathology, Harvard Medical School
1988-1990 Associate Professor of Anatomy, The Ohio State University
1990-1992 Associate Professor of Cell Biology, Neurobiology and Anatomy, The Ohio State University
1992-1999 Professor of Cell Biology, Neurobiology and Anatomy, The Ohio State University
1999-Present Professor of Physiology and Cell Biology, The Ohio State University

Awards and Honors:

1967 Phi Alpha Theta
1967 Beta Beta Beta
1972-1976 Fellowship, Vanderbilt University
1995 William Evans Visiting Professor, University of Otago, Dunedin, New Zealand

Editorial Boards:

1989-1995 *The Journal of Histochemistry and Cytochemistry*
1992-Present *Histochemistry and Cell Biology*
1998-Present *Acta Histochemica*
1996-Present Associate Editor: *The Journal of Histochemistry and Cytochemistry*
2000-Present International Editor: *Acta Histochemica et Cytochemica*

Major Committee Assignments

1987-1991 Council, The Histochemical Society
1993-1998 Chair, Graduate Studies Committee, Department of Cell Biology, Neurobiology, and Anatomy, Ohio State University
1993-1997 Independent Study Academic Program Committee, College of Medicine, Ohio State University
1994-1998 Graduate Education Committee, College of Medicine, Ohio State University

- 1994-2000** Roessler Trust Committee, College of Medicine, Ohio State University
- 1996-1997** Program Committee, University Senate, Ohio State University
- 1997-1998** Dean's Select Committee on Restructuring of the Basic Science Departments in the College of Medicine, Ohio State University
- 1997-1999** Rules Committee, University Senate, Ohio State University
- 1997-Present** Steering Committee of the Campus Microscopy and Imaging Facility, College of Medicine, Ohio State University
- 1998-2000** University Promotion and Tenure Policies and Advisory Committee, Ohio State University
- 1998-2000** Conference and Agenda Committee, College of Medicine, Ohio State University
- 1998** President's Cabinet, Ohio State University
- 1998-Present** Executive Committee of the School of the School of Biomedical Sciences, College of Medicine, Ohio State University
- 1999-2000** Member, Search Committee for Chair of the Department of Physiology and Cell Biology
- 2000** Strategic planning Sub-committee of the School of Biomedical Sciences, College of Medicine, Ohio State University
- 2000** Dean's Policy Advisory Council, College of Medicine, Ohio State University
- 2000** Dean's Committee on Funds Flow Analysis, College of Medicine, Ohio State University
- 2000** Dean's Committee to review the 8-Tesla MRI Facility, College of Medicine, Ohio State University
- 2000** Review Committee for the Reappointment of the Chair of the Department of Molecular and Cellular Biochemistry, College of Medicine, Ohio State University
- 2000-2003** Merit Committee, Department of Physiology and Cell Biology, Ohio State University
- 2000-2003** Promotion and Tenure Committee, Department of Physiology and Cell Biology, Ohio State University
- 2000** Merit Committee, Department of Physiology and Cell Biology, Ohio State University
- 2000** Promotion and Tenure Committee, Department of Physiology and Cell Biology, Ohio State University
- 2000-2003** Faculty Council, University Senate, Ohio State University
- 2001-2002** Steering Committee, University Senate, Ohio State University
- 2002-2005** Hearing Committee, University Senate, Ohio State University
- 2003-2006** Committee for Evaluation of Central Administrators, University Senate, Ohio State University
- 2003-Present** Dean's Task force on Professional Ethics, College of Medicine, Ohio State University
- 2004-2007** Merit Committee, Department of Physiology and Cell Biology, Ohio State University
- 2004-2007** Promotion and Tenure Committee, Department of Physiology and Cell Biology, Ohio State University

Elected Offices

- 1991-1993** Treasurer, The Histochemical Society
- 1994-1995** President, The Histochemical Society
- 1993-1999** Faculty Council, Representative of Department of Cell Biology, Neurobiology, and Anatomy, College of Medicine, Ohio State University
- 1996-1999** University Senate, Representative of College of Medicine, Ohio State University
- 1997-1999** Vice President, Faculty Council, College of Medicine, The Ohio State University
- 1999-2001** President, Faculty Council, College of Medicine, Ohio State University
- 2000-2003** University Senate, Representative of College of Medicine, Ohio State University
- 2005-2008** University Senate, Representative of College of Medicine, Ohio State University

Professional Societies:

American Association for the Advancement of Science
American Society for Cell Biology
The Histochemical Society
Microscopy Society of America

Teaching and Related Experience:

1968-1972 Public school teacher, Blount County, AL
1972-1976 Laboratory teaching assistant, Vanderbilt University
1982-1988 Member of the Faculty of the Program in Cell and Developmental Biology, Harvard Medical School
1985 Lecturer in Human Pathology Course, Harvard Medical School
1987-1988 Organized seminar series for Committee on Cell and Developmental Biology, Harvard Medical School
1988-1991 Lecturer in Medical I Course, Ohio State University
1988-1991 Lecturer in Dental I Course, Ohio State University
1989-1990 Lecturer in Graduate Cell Biology Course #911.06, Ohio State University
1989-Present Faculty Member in Program in Molecular, Cellular, and Developmental Biology, Ohio State University
1990-Present Faculty Member in Ohio State Biochemistry Program, Ohio State University
1990 Coordinated Anatomy Seminar #850, Topic: Signal Transduction, Department of Cell Biology, Neurobiology, and Anatomy, Ohio State University
1991-1998 Coordinated Graduate Cell Biology Course #804 Current Topics in Cell Biology, Department of Cell Biology, Neurobiology, and Anatomy, Ohio State University
1991-1997 Faculty member in Independent Study Curriculum in the College of Medicine, Ohio State University
1997-Present Lecturer in Medical I Course, College of Medicine, Ohio State University
2002-Present Lecturer in the Integrated Biomedical Sciences Graduate program, Ohio State University
2003-Present Lecturer in Medical II Course, College of Medicine, Ohio State University

Invited Presentations:

Mar. 4, 1982 Seminar Speaker, Program in Hematology and Oncology, Harvard Medical School, Boston, MA. *Glycogen Metabolism and Other Alterations in Inflammatory Neutrophils.*
May 28, 1985 Seminar Speaker, Department of Biology, Vanderbilt University, Nashville, TN. *Synergistic Activation of Superoxide Release from Neutrophils.*
Mar. 21, 1986 Seminar Speaker, Committee on Cell and Developmental Biology, Harvard Medical School, Boston, MA. *Regulation of Neutrophil Stimulation.*
Dec. 11, 1986 Commentator, Symposium on Oxygen Free Radicals, NIH, Bethesda, MD
Dec. 29, 1986 Lecturer, Workshop on Immunocytochemistry, Annual Meeting of the American Society of Zoologist/American Microscopical Society, Nashville, TN.
Sept. 10, 1987 Invited Speaker, Hawaii Seminar on Electron Microscopy, Honolulu, HI. *Modulation of the Lysosomal/Endosomal System: Studies on Structural Preservation.*

John M. Robinson, Curriculum Vitae

- Feb. 22, 1988 Seminar Speaker, Department of Anatomy, The Ohio State University, Columbus, OH. *Neutrophil Stimulation: Cell Biological Approaches.*
- Apr. 14, 1988 Seminar Speaker, Department of Anatomy, Indiana University Medical School, Indianapolis, IN. *Neutrophil Stimulation: Cell Biological Approaches.*
- Feb. 22, 1989 Seminar Speaker, Department of Biology, Vanderbilt University, Nashville, TN. *Production of Superoxide by Neutrophils: Role of Protein Phosphorylation Events.*
- May. 30, 1989 Invited Speaker, Michigan Electron Microscopy Forum, Kalamazoo, MI. *Enzyme Cytochemistry: New Approaches.*
- Jan. 2, 1990 Seminar Speaker, Immunology Seminar Program, The Ohio State University, Columbus, OH. *Neutrophil Stimulation: Cell Biological Studies.*
- Feb. 13, 1990 Seminar Speaker, Department of Medical Microbiology and Immunology, The Ohio State University, Columbus, OH. *Neutrophil Stimulation: Cell Biological Studies.*
- Aug. 11, 1990 Symposium Speaker, Joint Meeting of the American and Japanese Histochemical Societies, Seattle, WA. *Scanning Laser Confocal Microscopy: Cytochemical Applications.*
- Oct. 17, 1990 Seminar Speaker, Department of Physiology, The Ohio State University, Columbus, OH. *Cell Stimulation: The Neutrophil Model.*
- Mar. 5, 1991 Seminar Speaker, Immunology Seminar Program, The Ohio State University, Columbus, OH. *Organelle Plasticity in Phagocytic Leukocytes.*
- Mar. 26, 1991 Invited Speaker, Nephrology Research Conference, Renal Division, Department of Internal Medicine, The Ohio State University, Columbus, OH. *Organelle Movement in Stimulated Phagocytes.*
- Apr. 10, 1991 Seminar Speaker, Department of Cell Biology, Neurobiology, and Anatomy, The Ohio State University, Columbus, OH. *Organelle Plasticity in Phagocytic Leukocytes.*
- June 9, 1991 Symposium Organizer, Meeting of the Histochemical Society, Denver, CO. *Innovative Approaches to Optical Microscopical Analysis of Living Cells.*
- June 9, 1991 Symposium Speaker, Meeting of the Histochemical Society, Denver, CO. *Organelle Plasticity in Phagocytic Leukocytes.*
- Aug. 28, 1991 Seminar Speaker, Instituto de Biofísica Carlos Chagas, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil. *Confocal Microscopy: Cytochemical Applications.*
- Aug. 29, 1991 Seminar Speaker, Departamento de Ultraestrutura e Biologia Celular, Instituto Oswaldo Cruz, Rio de Janeiro, Brazil. *Confocal Microscopy: Cytochemical Applications.*
- Sept. 1, 1991 Symposium Speaker, Meeting of the Brazilian Society of Electron Microscopy, Caxambu, Brazil. *A Novel Intracellular Compartment with Unusual Secretory Properties in Human Neutrophils.*
- Sept. 3, 1991 Symposium Speaker, Meeting of the Brazilian Society of Electron Microscopy, Caxambu, Brazil. *Lysosomal/Endosomal Plasticity in Macrophages.*
- Sept. 5, 1991 Seminar Speaker, Departamento de Histologia, Escola Paulista de Medicina, Sao Paulo, Brazil. *A Novel Intracellular Compartment with Unusual Secretory Properties in Human Neutrophils.*
- Sept. 6, 1991 Seminar Speaker, Departamento de Histologia, Universidade de Sao Paulo, Sao Paulo, Brazil. *Confocal Microscopy: Cytochemical Applications.*
- May 14, 1992 Symposium Speaker, Annual meeting of the Chesapeake Electron Microscopy Society, Bethesda, MD. *Confocal Microscopy.*
- May 26, 1992 Symposium Speaker, Annual meeting of the American Society of Microbiology, New Orleans, LA. *Regulation of the Oxidative Burst in Phagocytic Leukocytes.*

John M. Robinson, Curriculum Vitae

- Sept. 2, 1992 Symposium Speaker, 9th International Congress of Histochemistry and Cytochemistry, Maastricht, The Netherlands. *The Importance of Ultrastructural Enzyme Cytochemistry for the Study of Organelle Plasticity.*
- Nov. 30, 1992 Symposium Speaker, Office of Naval Research Symposium on Development and Control of Molecular Motor Based Transport and Delivery Using Microtubule Networks, Elkridge, MD. *Organelle Plasticity in Phagocytic Leukocytes.*
- Dec. 2, 1992 Seminar Speaker, Boston Biomedical Research Institute, Boston, MA. *Organelle Plasticity in Phagocytic Leukocytes.*
- Mar. 10, 1993 Seminar Speaker, Department of Veterinary Anatomy and Cellular Biology, The Ohio State University. *Organelle Plasticity in Phagocytic Leukocytes.*
- Apr. 6, 1993 Seminar Speaker, Immunology Seminar Program, The Ohio State University. *Glycosylphosphatidylinositol-anchored membrane proteins: The human neutrophil.*
- Feb. 24, 1994 Seminar Speaker, Department of Cell Biology, University of Alabama, Birmingham. *Neutrophil GPI-anchored proteins: Distribution and function.*
- Sept. 21, 1994 Symposium Speaker, XXXVI. Symposium of The Society for Histochemistry (Gesellschaft für Histochemie), Heidelberg, Germany. *Generation of active oxygen species by phagocytic leukocytes.*
- Aug. 13, 1995 Short course presenter, Joint Meeting of the Microscopy Society of America and the Histochemical Society, Kansas City, MO. *Immunocytochemistry and Direct Protein Labeling: Detection by Silver Enhanced-Small Gold Particles.*
- Aug. 14, 1995 Co-Organizer of Symposium: Joint Meeting of The Microscopy Society of America and The Histochemical Society. Kansas City, MO. *Membrane Microdomains: Lessons from Microscopy.*
- Sept. 1-22, 1995 William Evans Visiting Professor, University of Otago, Dunedin, Christchurch Medical School, Christchurch, and Wellington Medical School, Wellington, New Zealand.
- Sept. 4, 1995 Symposium Speaker, Microscopy Conference 1995, Dunedin, New Zealand. *Tubular-reticular lysosomes in macrophages: Coupled dynamics of membranous organelles and microtubules.*
- Sept. 4, 1995 Workshop presenter, Microscopy Conference 1995, Dunedin, New Zealand. *Immunocytochemistry: Light microscopy.*
- Sept. 7, 1995 Workshop presenter, Microscopy Conference 1995, Dunedin, New Zealand. *Immunocytochemistry: Electron microscopy.*
- Sept. 11, 1995 Seminar speaker, Department of Anatomy and Structural Biology, University of Otago, Dunedin, New Zealand. *Glycosylphosphatidylinositol-anchored proteins in neutrophils: Cell biological aspects.*
- Sept. 19, 1995 Seminar Speaker, Department of Zoology, Canterbury University, Christchurch, New Zealand. *General introduction to immunolabeling for light microscopy and electron microscopy.*
- Sept. 20, 1995 Seminar Speaker, Department of Pathology, Christchurch Medical School, Christchurch, New Zealand. *Coupled dynamics of membranous organelles and microtubules.*
- Sept. 22, 1995 Seminar Speaker, Malaghan Institute of Medical Research, Wellington Medical School, Wellington, New Zealand. *Coupled dynamics of membranous organelles and microtubules.*
- Aug. 14, 1996 Symposium Speaker, Microscopy Society of America, Minneapolis, MN. *Novel labeling methods for EM Analysis of Ultrathin Cryosections.*
- Aug. 19, 1996 Co-organizer of Symposium, 10th International Congress Of Histochemistry and Cytochemistry. Kyoto, Japan. *Histochemistry of Enzymes.*

- Aug. 19, 1996 Symposium Speaker. 10th International Congress of Histochemistry and Cytochemistry. Kyoto, Japan. *What enzyme cytochemistry tells us about intracellular compartments in phagocytic leukocytes.*
- Aug. 27, 1996 Seminar Speaker. Departments of Anatomy and Hematology, Jichi Medical School, Tochigi, Japan. Microtubules of phagocytic leukocytes have unusual properties: Implications for cell function.
- Feb. 5, 1997 Seminar Speaker. Boston Biomedical Research Institute. Boston, MA. *Unusual properties of microtubules in phagocytic leukocytes.*
- Aug. 10, 1997 Organized Short Course. Microscopy & Microanalysis, Cleveland, OH. *Recent advances in labeling techniques for immunocytochemistry.*
- Aug. 10, 1997 Short-course Presenter. Microscopy & Microanalysis, Cleveland, OH. *Ultrasmall immunogold particles solve some of the problems associated with immunocytochemistry in phagocytic leukocytes.*
- July 12, 1998 Short-course Presenter. Microscopy & Microanalysis, Atlanta, GA. Gold-labeling workshop: *FluoroNanogold: An efficient labeling reagent for immunocytochemistry.*
- July 14, 1998 Symposium Speaker. Microscopy & Microanalysis, Atlanta, GA. Chemotherapeutic agents that affect microtubules: Mechanisms of response and resistance: *Microtubules of human neutrophils have unusual properties: Sensitive indicators for taxol.*
- July 24, 1998 Co-organizer of Symposium. Joint meeting of the Histochemical Society and the Japanese Histochemical Society, San Diego, CA. *Enzyme cytochemistry: Recent advances and applications.*
- July 24, 1998 Symposium Speaker. Joint meeting of the Histochemical Society and the Japanese Histochemical Society, San Diego, CA. *Stimulus-dependent reorganization of membrane-bound organelles in phagocytic leukocytes.*
- Oct. 16, 1998 Symposium Speaker. Michigan Microscopy and Microanalysis Meeting. Kalamazoo, MI. *Ultrasmall immunoprobe for immunocytochemistry.*
- Nov. 17, 1998 Seminar Speaker. Immunology Seminar Program. Ohio State University, Columbus, OH. *Ultrasmall immunogold particles: important probes for immunocytochemistry.*
- Aug. 1999 Organized Symposium. Microscopy & Microanalysis, Portland, OR. *Biological labeling and correlative microscopy.*
- Aug. 1999 Symposium Speaker. Microscopy & Microanalysis, Portland, OR. *Ultrasmall immunogold: Applications in immunocytochemistry and correlative microscopy.*
- Aug. 14, 2000 Organized Symposium Microscopy & Microanalysis. Philadelphia, PA, *Biological Labeling and Correlative Microscopy.*
- Aug. 14, 2000 Symposium presentation, Microscopy & Microanalysis, Philadelphia, PA, *Gold cluster compounds are useful immunoprobe.*
- Oct. 6, 2000 Workshop presentation, 14th Rochester Trophoblast Conference, Rochester, NY, *The distribution of caveolin/caveolae in human placenta.*
- Dec. 7, 2000 Co-chair of Symposium, Annual meeting of the Japan Society of Histochemistry and Cytochemistry, Kochi, Japan, *Reactive Oxygen Species and Cell Function.*
- Dec. 7, 2000 Symposium presentation, Japan Society of Histochemistry and Cytochemistry, Kochi, Japan, *The novel microtubules of phagocytic leukocytes.*
- Aug. 14, 2001 Organized Symposium, Annual meeting of the Microscopy Society of America. Long Beach, CA, *Biological Labeling and Correlative Microscopy.*
- Aug. 14, 2001 Symposium presentation, Microscopy Society of America, Long Beach, CA, *What can epitope-specific antibodies tell us about the organization of caveolin in cells.*

John M. Robinson, Curriculum Vitae

- Apr. 26, 2002 Seminar presentation entitled, Department of Cell Biology and Anatomy, University of Western Ontario, London, *IgG Trafficking*.
- Apr. 22, 2003 Seminar presentation, Department of Cell Biology, UT Southwestern Medical Center, Dallas, TX, *IgG Trafficking in the Human Placenta*.
- June 3, 2004 Seminar:presentation, Nippon Medical School, Tokyo, Japan, *A novel Fc γ receptor-defined, IgG-containing, organelle in placental endothelium*.
- June 4, 2004 Lecture to first year medical students, Nippon Medical School, Tokyo, Japan, *Blood cell development*.
- June 7, 2004 Co-organized Symposium, 8th Asia-Pacific Conference on Electron Microscopy, Kanazawa, Japan, *Ultrastructure and Immunocytochemistry*.
- June 7, 2004 Symposium presentation, 8th Asia-Pacific Conference on Electron Microscopy, Kanazawa, Japan, *Ultrathin cryosections for high resolution immunofluorescence and correlative microscopy*.
- Sept. 4, 2005 Workshop presentation, 11th European Placenta Group meeting, Glasgow, U.K., *Ultrathin cryosections for high resolution immunofluorescence and correlative microscopy*.
- Planned:
- Feb. 6, 2006 Symposium presentation, Australian Conference on Microscopy and Microanalysis, Sydney, Australia.
- Sept. 24, 2006 Symposium presentation, Simon Gelman Scientific Symposium, Brigham and Women's Hospital, Harvard Medical School, Boston, MA.

Bibliography

1. **Robinson JM**, Bogitsh, BJ. Cytochemical localization of peroxidase activity in the mitochondria of *Hymenolepis diminuta*. J. Parasit 1976; 62:761-765.
2. Bergstrom G, **Robinson JM**. Ultrastructural localizations of the site of hemoglobin synthesis in *Chironomus thummi* (Diptera). J Ultrastruc Res. 1977; 60:395-405.
3. **Robinson JM**, Bogitsh BJ. *Hymenolepis diminuta*: Biochemical properties of peroxidase activity in mitochondria. Exp Parsit. 1978; 45:169-174.
4. **Robinson JM**, Bogitsh BJ. A morphological and cytochemical study of sperm development in *Hymenolepis diminuta*. Z Parasitenk. 1978;56:81-91.
5. **Robinson JM**, Briggs RT, Karnovsky MJ. Localization of d-amino acid oxidase on the surface of human polymorphonuclear leukocytes. J Cell Biol. 1978; 77:59-71.
6. **Robinson JM**, Roos DS, Davidson RL, Karnovsky MJ. Membrane alteration and other morphological features associated with polyethylene glycol-induced cell fusion. J Cell Sci. 1979; 40:63-75.
7. **Robinson JM**, Karnovsky MJ. Evaluation of the polyene antibiotic filipin as a cytochemical probe for membrane cholesterol. J Histochem Cytochem. 1980; 28:161-168.
8. **Robinson JM**, Karnovsky MJ. Specialization in filopodial membranes at points of attachment to the substrate. J Cell Biol. 1980; 87:562-568.
9. Badwey JA, Curnutte JT, **Robinson JM**, Lazdins JK, Briggs RT, Karnovsky MJ, Karnovsky ML. Comparative aspects of oxidative metabolism of neutrophils from human blood and guinea pig peritonea: Magnitude of respiratory burst, dependence upon stimulating agents, and localization of the oxidases. J Cell Physiol. 1980; 105:541-551.
10. Karnovsky MJ, **Robinson JM**, Briggs RT, Karnovsky ML. Oxidative cytochemistry in phagocytosis: The interface between structure and function. Histochem J. 1981; 13:1-22.

11. Badwey JA, **Robinson JM**, Karnovsky MJ, Karnovsky ML. Superoxide production by an unusual aldehyde oxidase in guinea pig granulocytes. *J Biol Chem.* 1981; 256:3479-3486.
12. Karnovsky MJ, **Robinson JM**. Contributions of oxidative cytochemistry to our understanding of the phagocytic process. In Stoward PJ, Polak J, eds. *Histochemistry--The Widening Horizons*. London: J. Wiley and Sons. 1982;47-66.
13. Karnovsky MJ, **Robinson JM**, Briggs RT, Karnovsky ML. A cytochemical approach to the function of phagocytic leukocytes. In Karnovsky ML, Bolis L, eds. *Phagocytosis*. New York: Academic Press, Inc. 1982; 215-238.
14. Badwey JA, **Robinson JM**, Adenizi-Jones SK, Karnovsky MJ, Karnovsky ML. Superoxide-producing oxidases in guinea pig neutrophils: Collaboration in the respiratory burst. In Karnovsky ML, Bolis L, eds. *Phagocytosis*. New York: Academic Press, Inc. 1982; 193-213.
15. Wright TC, **Robinson JM**, Karnovsky MJ. Effects of urea treatment on the divalent cation-dependent aggregation of 3T3 MIT fibroblasts. *J Cell Physiol.* 1982; 113:113-124.
16. **Robinson JM**, Karnovsky ML, Karnovsky MJ. Glycogen accumulation in polymorphonuclear leukocytes and other intracellular alterations that occur during inflammation. *J Cell Biol.* 1982; 95:933-942.
17. Badwey JA, **Robinson JM**, Lazdins JK, Briggs RT, Karnovsky MJ, Karnovsky ML. Comparative biochemical and cytochemical studies on superoxide and peroxide in mouse macrophages. *J Cell Physiol.* 1983; 115:208- 216.
18. Neuberger PE, **Robinson JM**, Pryzwansky KB, Rosoff P, Greenberger JS, Tauber AI. Neutrophil dysfunction with giant granules and defective activation of the respiratory burst. *Blood* 1983; 61:1247-1257.
19. Hoover RL, Dawidowicz EA, **Robinson JM**, Karnovsky MJ. The role of cholesterol in the capping of surface immunoglobulin receptors on murine lymphocytes. *J Cell Biol* 1983; 97:73-80.
20. **Robinson JM**, Karnovsky MJ. Ultrastructural localization of 5'-nucleotidase in guinea pig neutrophils based upon the use of cerium as capturing agent. *J Histochem Cytochem.* 1983; 31:1190-1196.
21. **Robinson JM**, Karnovsky MJ. Ultrastructural localization of several phosphatases with cerium. *J Histochem Cytochem.* 1983; 31:1197-1208.
22. Roos DS, **Robinson JM**, Davidson RL. Cell fusion and intramembrane particle distribution in polyethylene glycol-resistant cells. *J Cell Biol.* 1983; 97:909-917.
23. **Robinson JM**. Enzyme cytochemistry. In Jones RR, ed. *Electron Microscopy*. New York: Library Research Association. 1983; 216-293.
24. Badwey JA, Curnutte JT, **Robinson JM**, Berde C, Karnovsky MJ, Karnovsky ML. Effects of free fatty acids on release of superoxide and on change of shape by human neutrophils. Reversibility by albumin. *J Biol Chem.* 1984; 259:7870.
25. Curnutte JT, Badwey JA, **Robinson JM**, Karnovsky MJ, Karnovsky ML. Studies on the mechanism of superoxide release from human neutrophils stimulated with arachidonate. *J Biol Chem.* 1984; 259:11851-11857.
26. **Robinson JM**, Badwey JA, Karnovsky ML, Karnovsky MJ. Superoxide release by neutrophils: synergistic effects of a phorbol ester and a calcium ionophore. *Biochem Biophys Res Commun.* 1984; 122:734-739.
27. Karnovsky ML, Badwey JA, Curnutte JT, **Robinson JM**, Berde CB, Karnovsky MJ. Some functional effects of physical changes in the membranes of white cells. *Kroc Found Ser.* 1984; 16:111-127.
28. Karnovsky ML, Badwey JA, Curnutte JT, **Robinson JM**, Berde CB, Karnovsky MJ. The excitable membrane of phagocytic leukocytes. *Prog Clin Biol Res.* 1984; 164:347-354.

29. Harper PA, **Robinson JM**, Hoover RL, Wright TC, Karnovsky MJ. Improved methods for culturing rat glomerular cells. *Kidney Internatl.* 1984; 26:875-880.
30. Apgar JP, Herrmann SN, **Robinson JM**, Mescher MF. Triton X-100 extraction of P815 tumor cells: evidence for a plasma membrane skeleton structure. *J Cell Biol.* 1985; 100:1369-1378.
31. **Robinson JM**, Badwey JA, Karnovsky ML, Karnovsky MJ. Release of superoxide and change in morphology by neutrophils in response to phorbol esters: antagonism by inhibitors of calcium-binding proteins. *J Cell Biol.* 1985; 101:1052-1058.
32. **Robinson JM**. Improved localization of intracellular sites of phosphatases using cerium and cell permeabilization. *J Histochem Cytochem.* 1985; 33:749-754.
33. **Robinson JM**, Okada T, Castellot JJ Jr., Karnovsky MJ. Unusual lysosomes in aortic smooth muscle cells: presence in living and rapidly frozen cells. *J Cell Biol.* 1986; 102:1615-1622.
34. Badwey JA, **Robinson JM**, Curnutte JT, Karnovsky MJ, Karnovsky ML. Retinoids stimulate the release of superoxide by neutrophils and change their morphology. *J Cell Physiol.* 1986; 126:223-228.
35. Briggs RT, **Robinson JM**, Karnovsky ML, Karnovsky MJ. Superoxide production by polymorphonuclear leukocytes: a cytochemical approach. *Histochemistry.* 1986; 84:371-378.
36. Okada T, **Robinson JM**, Karnovsky MJ. Cytochemical localization of acid phosphatase in striated muscle. *Histochemistry.* 1986; 85:177-183.
37. Rogers KA, Hoover RL, Castellot JJ Jr., **Robinson JM**, Karnovsky MJ. Dietary cholesterol-induced changes in macrophage characteristics: Relationship to atherosclerosis. *Am J Pathol.* 1986; 125:284-291.
38. **Robinson JM**, Tanphaichitr N, Bellve AR. Gossypol-induced damage to mitochondria of transformed Sertoli cells. *Am J Pathol.* 1986; 125:484-492.
39. Badwey JA, **Robinson JM**, Karnovsky MJ, Karnovsky ML. Reduction and excitation of oxygen by phagocytic leukocytes: biochemical and cytochemical techniques. In Weir, DM, ed. *Handbook of Experimental Immunology*, Fourth Edition. Edinburgh: Blackwell, Ltd. 1986; Vol.2, pp. 50.1-50.16.
40. Hoover RL, **Robinson JM**, Karnovsky MJ. Adhesion of polymorphonuclear leukocytes to endothelium enhances the efficiency of detoxification of oxygen free radicals. *Am J Pathol.* 1986; 126:258-268.
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46. Badwey JA, Horn W, Heyworth PG, **Robinson JM**, Karnovsky ML. Paradoxical effects of retinal in neutrophil stimulation. *J Biol Chem.* 1989; 264:14947-14953.
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48. **Robinson JM**, Batten BE. Detection of diaminobenzidine reactions using scanning laser confocal reflectance microscopy. *J Histochem Cytochem.* 1989; 37:1761-1765.
49. **Robinson JM**, Batten BE. Localization of cerium-based reaction products by scanning-laser reflectance confocal microscopy. *J Histochem Cytochem.* 1990; 38:315-318.
50. Hartfield PJ, **Robinson JM**. Mg.ATP primes superoxide-generating responses in electropermeabilized neutrophils. *Biochem Biophys Res Commun.* 1990; 170:194-201.
51. Hartfield PJ, **Robinson JM**. Activation of the respiratory burst in electropermeabilized neutrophils by fluoride. *Biochim Biophys Acta.* 1990; 1054:176-180.
52. **Robinson JM**, Heyworth PG, Badwey JA. Utility of staurosporine in uncovering differences in the signal transduction pathways for superoxide production in neutrophils. *Biochim Biophys Acta.* 1990; 1055:55-62.
53. Badwey JA, **Robinson JM**. Biochemical and cytochemical studies on enzymes that dephosphorylate inositol (1,4,5)-trisphosphate in neutrophils. *J Histochem Cytochem.* 1991; 39: 321-329.
54. **Robinson JM**. A simple method for ultrastructural enzyme cytochemistry on small volumes and numbers of isolated cells. *Histochem J.* 1991; 23:10-13.
55. Luo Z, **Robinson JM**. A plexiglass perfusion chamber for staining multiple electron microscope grids. *J Electron Microscop Tech.* 1991; 17: 471-472.
56. Steinbeck MJ, **Robinson JM**, Karnovsky MJ. Activation of the Neutrophil NADPH-oxidase by fatty acids requires the ionized carboxyl group and a selective disorganization of the membrane lipid. *J Leukocyte Biol.* 1991; 49:360-368.
57. **Robinson JM**, Karnovsky MJ. Rapid-freezing cytochemistry: preservation of tubular lysosomes and enzyme activity. *J Histochem Cytochem.* 1991; 39:787-792.
58. Kobayashi T, **Robinson JM**. A novel intracellular compartment with unusual secretory properties in human neutrophils. *J Cell Biol.* 1991; 113:743-756.
59. **Robinson JM**. Confocal microscopy: A primer. *Research Forum--The Ohio State University College of Medicine.* 1991; 5:95-98.
60. **Robinson JM**, Karnovsky MJ, Stoward PJ, Lewis PR. Oxidases. In Stoward PJ, Pearse AGE, eds. *Histochemistry: Theoretical and Applied.* Edinburgh: Churchill Livingstone. 1991; Vol. 3, pp 95-122.
61. Badwey JA, Ding J, Heyworth PG, **Robinson JM**. Products of inflammatory cells synergistically enhance superoxide production by phagocytic leukocytes. *Adv Exp Med Biol.* 1991; 314:19-33.
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