

CURRICULUM VITAE

PERSONAL DATA

Name: Joseph C. Fantone, III, M.D.

EDUCATION:

High School: William Hall High School, West Hartford, Connecticut, 1966-69

Undergraduate: Tufts University, School of Engineering, Medford, Massachusetts, 1969-73, Chemical Engineering, B.S. (with honors)

Graduate/
Professional: Tufts University, School of Engineering, Medford, Massachusetts, Chemical Engineering, 1975, M.S.
Thesis: Mass Transfer in Pulsatile Laminar Flow

University of Connecticut, School of Medicine, Farmington, Connecticut, 1973-77, M.D.

POSTDOCTORAL TRAINING

Resident: Anatomic Pathology, National Cancer Institute, Laboratory of Pathology, National Institutes of Health, Bethesda, Maryland, 1977-79

Postdoctoral Fellow: Immunopathology, Department of Pathology, University of Connecticut Health Center, Farmington, Connecticut, 1979-80

ACADEMIC AND ADMINISTRATIVE APPOINTMENTS

Instructor, Department of Pathology, The University of Michigan, Ann Arbor, Michigan, 1980-82

Assistant Professor, Department of Pathology, The University of Michigan, Ann Arbor, Michigan, 1982-1986

Associate Professor, Department of Pathology, The University of Michigan, Ann Arbor, Michigan, 1986-1991

Director, Department of Pathology Educational Programs, The University of Michigan, Ann Arbor, Michigan, 1986-2010

Director, Resident Training Program, Department of Pathology, 1990-2010

Professor, Department of Pathology, The University of Michigan, Ann Arbor, Michigan 1991-2010

Godfrey D. Stobbe Professorship, The University of Michigan, Ann Arbor, Michigan 1995-2010

Director, Anatomic Pathology, The University of Michigan, Ann Arbor, Michigan 1997-2006

Associate Dean for Medical Education, The University of Michigan, Ann Arbor, Michigan 1998-2010

Professor, Department of Pathology, University of Florida, Gainesville, Florida 2010-present

Senior Associate Dean for Educational Affairs, University of Florida, Gainesville, Florida
2010-present

AWARDS

Alpha Omega Alpha
American Medical Women's Association Gender Equity Award, University of Michigan
Medical School, 2000
Medical Student Scholarship (named scholarship), University of Michigan Department of
Pathology, 2003-present
National Board of Medical Examiners Edythe J. Levit Distinguished Service Award, 2008.
Society of Teaching Scholars, University of Florida College of Medicine, 2011.
Force of Change Award. University of Florida Medical Student Class 2014

CONSULTING POSITIONS

Consultant, Hematopathology Section, Laboratory of Pathology, National Cancer Institute,
National Institutes of Health, Bethesda, Maryland, 1979
Consultant, Department of Pathology, Veterans Administration Medical Center, Ann Arbor,
Michigan, 1980-2010
NCAA, Drug Testing, Crew Member, 1989-1999.

SCIENTIFIC ACTIVITIES

Member of Program Selection Committee for the American Association of Pathologists
(FASEB), 1981-82
NIH Site Visit: Martin Luther King Medical School: Minority Biomedical Science Program,
1982
NIH Study Section: RFA on Atherosclerosis and Inflammation, 1984
Reviewer, Medical Research Council of Canada Research Grants, 1985-1997
Reviewer, Veteran's Administration Research Grants, 1985-1997
NIH Site Visit: Program Project: Endothelium as a Regulatory Interphase. University of
Massachusetts, 1986
NIH Site Visit: Program Project: Alternative Oxygen Carriers, University of Maryland,
1987
NIH Site Visit: Program Project: Sickle Cell Disease, University of Chicago, 1987
NIH Site Visit: SCOR: ARDS, St. Louis University, 1988
NIH Site Visit: SCOR: ARDS, University of Minnesota, 1988
NIH Study Section: RFA on Ischemia Reperfusion Lung Injury, 1988
NIH Site Visit: Program Project: Sickle Cell Disease, University of Chicago, 1988
NIH Site Visit: Co-Chairperson, Program Project: Biology of Acute Renal Tissue Injury,
Vanderbilt University, 1989
NIH Site Visit: Program Project: Physical Properties and Biologic Functions of Lipids,
Hormel Institute, Austin, Minnesota, 1990
NIH Site Visit: Program Project: Ether Lipids, Eicosanoids, and Lung Pathophysiology,
National Jewish Hospital, Denver, Colorado, 1990
NIH Site Visit: SCOR: Atherosclerosis. Louisiana State University, New Orleans,
Louisiana, 1990
NIH Study Section: Pathology A, 1990
Reviewer, Searle's Pharmaceutical Company Research Grants, Chicago, Illinois, 1991

NIH Site Visit: Program Project: Physical Properties and Biologic Functions of Lipids, Hormel Institute, Austin, Minnesota, 1991
NIH: Special Grant Review, 1991
NIH Site Visit: SCOR: Acute Lung Injury, San Francisco, California, 1993
AHA of Michigan: Grant Review Committee, 1992-1996
NIH Site Visit: Ischemia Reperfusion, Myocardial Injury Program Project, Mark Entman, M.D., Principal Investigator, Baylor University, Rockville, MD 1995
NIH site visit: Boogalusa Heart Study, Washington D.C., 1996
ALA of Michigan: Grant Review Committee; 1994-2000
NIH Program Project Review: Ischemia Reperfusion, Myocardial Injury Program Project, Mark Entman, M.D., Principal Investigator, Baylor University, Washington, DC 2000.

EDITORIAL ACTIVITIES

Editorial Board, Laboratory Investigation, 1989-1996
Editorial Board, Biological Signals, 1991-1998
Editorial Board, Infection and Immunity, 1990-1994

GRANT SUPPORT

Past:

Clinical Investigator Award: Lung Inflammation, NIH-1-K08-HL-00905, 1981-86
Principal Investigator: Phagocytic Cells and Acute Lung Injury, American Heart Association Grant in Aid, 1985-88
Principal Investigator: Modulation of Immune Complex Lung Injury by Prostaglandins, NIH-RO1-HL32024, 1985-1990
Principal Investigator: Myocardial Ischemia and Reperfusion Injury, American Heart Association Grant-in-Aid, 1990-1993
Co-Investigator: Mechanisms and Genetic Regulation of Pulmonary Fibrosis. S.H. Phan (Principal Investigator). NIH-5-R01-HL 28737, 1990-1995
Principal Investigator: Mechanisms of Myocardial Ischemia Reperfusion Injury. NIH-RO1-HL44085, 1990-1997
Co-Investigator: Pharmacologic Studies on the Ischemic Heart. B. Lucchesi (Principal Investigator) NIH-RO1-HL19782, 1991-1996
Co-Investigator: Regulation of IL-8 Gene Expression. D.G. Remick (Principal Investigator) NIH GM50401, 1996-1999
Principal Investigator: An Integrated Curriculum for Multiculturalism, Spirituality and End-of-Life Care. Arthur Vining Davis Foundation, 2000-2002
Co-Investigator: Pulmonary Immune Responses to Inhaled Pathogens. NIH 1R01-HL5531601A2, 1998 – 2002
Co-investigator: Comprehensive Programs to Strengthen Physician's Training in Geriatrics, The Donald W. Reynold's Foundation, 2001-2005
Co-investigator: University of Michigan Integrative Curriculum for Medicine and Allied Health, NIH R25-AT00812, 2001-2006
Advisory Committee: Cellular and Molecular Biology in Pediatrics Training Program. J. Gilsdorf (PI) : 09/98-06/10.
Co-investigator: Proposal for the Center of Medical Education at Peking Union Medical College, T. Tang (PI), China Medical Board, 8/04-7/10

Current: None

CERTIFICATION AND LICENSURE

Medical Licensure: Michigan, 1980-2012
Florida, 2010-present

Board Certification:

Diplomate, National Board of Medical Examiners, 1978

Diplomate, American Board of Pathology, Anatomic Pathology, 1981

MILITARY AND CIVIC SERVICE

(Lt.) U.S. Public Health Service, National Institutes of Health, Bethesda, Maryland, 1977-79

United States of America Federal Grand Jury, U.S. District Court, Detroit, Michigan, 1990

St. Francis Church Education Ministry, 1991-1994

Ann Arbor Swim Club Board Member, 1990-1997 (President: 1995-97)

University of Michigan Men's Water Polo 2004-2005, Faculty Advisor

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

American Association of Pathologists (aka: ASIP)

American Association for the Advancement of Science

The United States and Canadian Academy of Pathology

American Association of Immunologists

American Medical Association

TEACHING ACTIVITIES

University of Michigan:

Supervisor, Autopsy Service (6-12 weeks/year), 1980-2010

Sequence Coordinator and Lecturer, ICS 600: Immunopathology, 1980-1993

Lecturer, Immunology 624, 1981-1995

Lecturer, Sophomore Medical Student Pathology Course (Pathology 600),
1981-1993

Lecturer, Immunobiology 414, 1981-1985

Lecturer, General Pathology for Biomedical Scientists (Pathology 580), 1990-1992

Lecturer, Eastern Michigan University Medical Technologist Program MTP- 400:
Pathophysiology, 1981-1984

Lecturer, Continuing Medical Education Family Practice Review, 1981; Faculty
Conference on Education, 1982

Preceptor, Sophomore Medical Student Pathology Laboratory (Pathology 600), 1981-2010

Preceptor, Undergraduate and Medical Student Research (24 students),
1981- 2000.

Preceptor, Microbiology and Immunology 600 Problem-Based Learning Group, 1990-1992

Preceptor, Laboratory Techniques in Experimental Pathology (Pathology 650), 1991-1992

Preceptor, Pulmonary Pathology Conference (monthly), 1981- 2002

Preceptor, Arthritis and Rheumatic Disease Division Pathology Conference, 1981
Preceptor, Postdoctoral Fellows: (4) 1985- 2000
Graduate Student Ph.D. Thesis Committee (6)
Associate Director, Sophomore Medical Student Introduction to Clinical Sciences Course (ICS 600-601), 1984-1993
Coordinator, Interphase Lecture Series on Immunopathology, 1984
Director, Sophomore Medical Student Pathology Course, 1985-1993
Director, Medical Student Pathology Laboratories, 1993-2010
Director, Medical Student Pathology Clerkships, 1985-2010
Department of Pathology Graduate Program Committee (Chairperson), 1988-1997
Lecturer & Small Group Instructor, First Year Medical Students (Host Defense, Immunology), 1993-2010
Lecturer, Pathology for Medical Illustration Students, 1997-2000
Coordinator, Department of Pathology, Summer Clinical/Research Program for Minority Medical Students, 1991-1999
Component Director, First Year Medical School Curriculum, 1992-1994
Component Director, First and Second Year Medical School Curriculum, 1994-1998
Facilitator, small groups, first and second year medical students, 2004-10
Lecturer, Dental Pathology IMS-4, 2005-10

University of Florida:

Preceptor, Medical Student Pathology Laboratory, 2010-present
Course Director, Becoming an Effective Resident Teacher, 2012-present

Invited Lectures, Seminars and Consultations

Chairperson, Mini-symposium, Mechanisms of Lung Injury, FASEB, 1983.
Invited Speaker, Symposium, Oxygen Radicals and Tissue Injury, International Union of Physiological Sciences, Sydney, Australia, 1983
Invited Speaker, Satellite Symposium, Inflammatory Mediators, Ninth International Congress of Pharmacologists, Royal College of Surgeons, London, England, 1984
Invited Speaker, Mechanisms of Neutrophil Dependent Tissue Injury, Department of Thoracic Medicine, Royal Adelaide Hospital, Adelaide, Australia, 1984
Invited Seminar, Regulation of Oxygen Metabolite Mediated Tissue Injury, Department of Pathology, Syracuse, New York, 1985
Invited Seminar, Modulation of Neutrophil Dependent Tissue Injury, Inflammation and Immunology Division, Pfizer Corporation, Groton, Connecticut, 1985
Invited Seminar, Modulation of Reactive Oxygen Metabolite Mediated Tissue Injury, Cardiovascular Research Division, Upjohn Company, Kalamazoo, Michigan, 1985
Invited Seminar, Modulation of Neutrophil Dependent Tissue Injury, Inflammation. Merck, Sharpe and Dome Research Laboratories, Rahway, New Jersey, 1986
Invited Speaker, Modulation of Oxygen Metabolite Mediated Tissue Injury, 2nd World Conference on Inflammation, Monte Carlo, Monaco, 1986
Invited Speaker, Mechanisms of Inflammatory Cell Mediated Tissue Injury, Canadian Association of Pathologists, Kingston, Ontario, Canada, 1986
Invited Seminar, Regulation of Neutrophil Dependent Tissue Injury, New York Medical College, Valhalla, New York, 1987
Invited Speaker, Symposium on Myocardial Ischemia and Reperfusion. American Heart Association, Tamarron, Colorado, 1987
Chairperson, Session on Ischemic/Traumatic Injury and Oxygen Radicals, Brooklodge Symposium on Oxygen Radicals and Tissue Injury. Upjohn Company, Augusta, Michigan, 1987
Invited Seminar, Phagocytic Cells and Oxidant-Induced Tissue Injury. Department of Pathology, Dartmouth Medical School, Hanover, New Hampshire, 1987

- Invited Seminar, Regulation of Neutrophil Dependent Tissue Injury. Inflammation and Immunology Division, Pfizer Corporation, Groton, Connecticut, 1987
- Invited Participant, Panel Discussion on ARDS in Cardiopulmonary Bypass. The University of Michigan, Continuing Medical Education Programs, 1987.
- Invited Speaker, Clinical Ischemic Syndromes. Mechanisms and Consequences of Tissue Injury, The University of Michigan Medical School Program of Continuing Medical Education, 1988
- Invited Speaker, Mechanisms of Free Radical Formation and Tissue Injury, XII Meeting of the International Society of Oxygen Transport to Tissue, Ottawa, Ontario, Canada, 1988
- Co-Chairperson, Symposium on Receptor Biology and the Immune Response, American Thoracic Society, Cincinnati, Ohio 1989
- Invited Speaker, Symposium on Inflammation and Healing of Sports-Induced Soft Tissue Injury, Bethesda, Maryland, 1989
- Visiting Professor, Department of Surgery, University of Hawaii Medical School, 1990
- Invited Speaker, British Association of Lung Research, Edinburgh, Scotland, 1990
- Co-Chairperson, Symposium on Leukocyte Stimulation: Receptors for Agonists. American Association of Pathologists, FASEB Meeting, 1991
- Invited Speaker, American College of Sports Medicine, Dallas, Texas, 1992.
- Chair, Symposium on Inflammatory Mediators and Ischemic Injury, FASEB Meeting, 1993
- Workshop, Medical School Curriculum Development, NYU Medical Center, N.Y., 1995
- Invited Speaker, Honors Convocation, University of Michigan Medical School, 1999
- Invited Speaker, Professionalism Symposium, AAMC, Washington, DC, 1999
- Visiting Professor, Curricular Development, NYU Medical Center, NY, 1999
- Speaker. Sustaining Curriculum Reform, IAMSE, Rochester, Minnesota, 2000.
- Speaker, AAMC Workshop on Complementary and Alternative Medicine. AAMC Meeting, San Francisco, Ca., 2002.
- Invited Speaker, The Future of Pathology Education. Association of Pathology Chairs and PRODS Meeting, Mt. Tremblant, Quebec, Canada, 2004.
- Consultant, University of Vermont College of Medicine, LCME Review, 2005
- Invited Speaker, Effect of Pass-Fail grading on Student Motivation and Learning. AAMC Annual Meeting, Washington, D.C., 2005.
- Consultant, Case Western Reserve University, Department of Pathology Residency Program, 2006.
- Moderator, Workshop on Faculty Development and Promotion for Pathology Teachers. Association of Pathology Chairs and PRODS Meeting, Colorado Springs, Co. 2007.
- Consultant, Touro University Medical School: Curriculum Development, 2007.
- Invited Speaker, Symposium on Curriculum Reform, Peking Union Medical College, Beijing, China, 2007
- Invited Speaker, Medical Education Reformation Symposium. Peking Union Medical College, Beijing, China, 2008
- Invited Speaker, & Workshop Leader, Faculty Development and Curriculum Change. Peking Union Medical College, Beijing, China, 2009
- Consultant, Florida State University College of Medicine, LCME Review, 2011.
- Consultant, Florida State University College of Medicine, Internal University Review, 2011.

COMMITTEE AND ADMINISTRATIVE SERVICES

Departmental:

- Department of Pathology Resident Selection Committee, 1986-1990.
- Department of Pathology, 7-Year Internal Review Committee, 1987
- Department of Pathology, Residency Review Committee, 1987

Chairman's Advisory Committee, 1987-2005
Department of Pathology ACAPT Committee, 1987-2010
Research and Space Advisory Committee, 1987-2005
Human Resources Committee, Chairperson, 1990
Department of Pathology Faculty Sexual Harrassment Contact Person: 1994-2010
Division Director's Committee, 2006-2010

Medical School & University:

University of Michigan:

Medical Student Counselor, 1981-2010
MSTP Review Committee, 1984
Basic Science Phase Committee, 1985-1993 (Chairperson, 1986-1990)
Clinical Phase Committee, 1985-1992
Academic Affairs Council, 1986-1990
Medical Student Academic Review Board (Basic Science and Clinical),
1985-2010
Committee on Student Performance on NBME Part I, 1987
Grading Policies Committee, 1988
Interphase Review Committee, Chairman, 1989
Medical School LCME Review: Subcommittee for Educational Programs, 1989-1990
Medical School Admissions Committee, 1989-1996
Participant, AAMC Workshop on Education Management Programs, Hawks Cay, FL., 1989
External Review Committee, Chairperson, Department of Post-Graduate Medicine and
Health Professions Education, 1989
Task Force on Medical School Admissions and Promotions, 1990
Microbiology and Immunology Chairperson Search Committee, 1992
Medical Student Academic Hearing Committee, 1992-present, Chair 1998-2010
Medical School Academic Review Boards, 1992-present, Chair 1998-2010
Component I Medical Student Curriculum Committee, 1992-1998
Graduate Medical Education Advisory Committee, 1992-1996
Medical School Executive Committee, 1993-1996
Academic Information and Technology Advisory Committee, 1995-1996
Research Space Committee, 1996-1997
LCME Review Committee, 1996-1997
University of Michigan Distance Learning Committee, 1998-1999
Medical School Curriculum Revision Committee 2001-2003 (Chair)
LCME Review Committee, 2003-2004 (Chair)
Graduate Medical Education Innovation Grant Review Committee, 2006-2010
Faculty Group Practice Finance Committee: 2005- 2010
Michigan-China University Leadership Forum, 2006
Dental School Internal Review Committee, 2007
Michigan-China University Leadership Forum, May, 2008
Co-director: U of M Medical School Open Educational Resource (OER) Initiative, 2008-10
ENCORE Planning Group: 2008-10.
Provost Forum on Education and Assessment, 2009.
UMHS Education Strategic Planning Committee, 2009-10
NCRC Education Space Planning Committee, 2009

University of Florida:

Education and Outreach Advisory Committee: 2010-2014
Curriculum Committee (Chair): 2010- present
Student Advocacy Committee: 2010-present
Health Science Center Committee on Interprofessional Education: 2011-present
Dean's Search Committee, College of Nursing: 2012-13.

LCME Review Committee, 2013-2015 (Chair)
College of Medicine Strategic Planning Committee: 2014.
Health Science Center Strategic Planning Coimmittee: 2014.

National:

College of American Pathologists, Laboratory Inspection Team
-Indiana University Hospitals, Indianapolis, Indiana, 1991
-University of Florida, Shands Hospital, Gainesville, Florida, 1992
-University of Utah Hospitals and ARUP, Salt Lake City, Utah, 1992
-Duke University Medical Center, Durham, North Carolina, 1993
USMLE: Pathophysiology Task Force, 1992-1994
USMLE: Pathology Test Committee, 1995-2002 (Chair, 1999-2002)
USMLE: IRC Test Committee, 2001 - present
USMLE: Step 1 Committee, 1999 - 2005, (Chair, 2002 - 2005)
NBME: Stemmler Fund Grant Review Committee 2003-present
NBME: USMLE Strategic Planning Committee: 2005-2008
NBME: Member: 2005-present
ACGME: Pathology RRC, Member, 2000-2005.
ACGME: Pathology RRC, Consultant, 2005-2008.
ACGME: Molecular Genetic Pathology RRC, Member, 2004-2005 (Chair 2005).
NBME: International Collaborations Advisory Committee, 2008- present
 Lebanese American University, Lebanon consultant: 2011
 University of Sharjah, United Arab Emirates consultant: 2012
NBME: Customized Assessment Services; 2011-present
LCME: Accreditation site visitor; Brown University, Providence Rhode Island, 2012.

BIBLIOGRAPHY

Completed Publications in Scientific Journals

Peer Reviewed

1. Strauchen, J.A., Young, R.C., DeVita, Jr., V.T., Anderson, T., **Fantone, J.C.** and Berard, C.W.: Clinical relevance of the histopathological subclassification of diffuse "histiocytic" lymphoma. *New England J. Med.* 1978;299:1382-1387.
2. **Fantone, J.C.**, Senior, R., Kreutzer, D., Jones, M. and Ward, P.A.: Biochemical quantitation of the chemotactic factor inactivator activity in human serum. *J. Lab. Clin. Med.* 1979;93:17-24.
3. Reddick, R.L., Popovsky, M.A., **Fantone, J.C.** and Michelitch, H.S.: Parosteal osteogenic sarcoma: Ultrastructural observations in three cases. *Human Pathol.* 1980;11:373-379.
4. Spiegel, R.J., Pizzo, P.A., **Fantone, J.C.**, and Zimmerman, H.J.: Fatal hepatic necrosis after high dose chemotherapy following halokane anesthesia. *Canc. Treat. Rep.* 1980;64:1023-1029.
5. **Fantone, J.C.**, Kunkel, S.L., Ward, P.A. and Zurier, R.B.: Suppression by prostaglandin E1 of vascular permeability induced by vasoactive inflammatory mediators. *J. Immunol.* 1980;125:2591-2596.
6. **Fantone, J.C.**, Kunkel, S.L., Ward, P.A. and Zurier, R.B.: Suppression of human polymorphonuclear leukocyte function after intravenous infusion of PGE1. *Prostaglandins and Medicine*, 1981;7:195-198.
7. Ogawa, H., Kunkel, S.L., **Fantone, J.C.** and Ward, P.A.: Comparative study of eosinophil and neutrophil chemotaxis and enzyme release. *Amer. J. Pathol.* 1981;105:149-155.
8. Ogawa, H., Kunkel, S.L., **Fantone, J.C.** and Ward, P.A.: Digestion of the fifth component of complement by eosinophil lysosomal enzymes; Production of eosinophil specific chemotactic activity. *Virchow Arch. (Cell Pathol.)* 1981;38:149-157.
9. Johnson, K.J., **Fantone, J.C.**, Kaplan, J. and Ward, P.A.: *In vivo* damage of rat lungs by oxygen metabolites. *J. Clin. Invest.* 1981;67:983-992.
10. **Fantone, J.C.** and Ward, P.A.: Experimental studies of immune complex injury of lung. *Amer. Rev. Respir. Dis.*, In: Daniele, R.P. ed. Symposium on Immune Complex Injury of the Lung. *Am. Rev. Respir. Dis.* 1981; 124:738-755.
11. Kunkel, S.L., **Fantone, J.C.**, Ward, P.A. and Zurier, R.B.: Modulation of inflammatory reactions by prostaglandins. *Prog. Lipid Res.* 1982;20: 633-640.
12. **Fantone, J.C.**, Weingarten, B., and Kunkel, S.L.: Systemic prostaglandin treatment inhibits carrageenan induced vascular permeability. *Biochem. Pharm.* 1982;31:3126-3128.
13. **Fantone, J.C.**, Schrier, D. and Weingarten, B.: Inhibition of vascular permeability changes by captopril. *J. Clin. Invest.* 1982;69:107-111.
14. Varani, J., and **Fantone, J.C.**: Phorbol myristate acetate induced adherence of tumor cells. *Cancer Res.* 1982;42:190-197.

15. Varani, J., Grimstad, I.A., Wass, J.A., Spirnak, J. and **Fantone, J.C.**: Chemotactic factor-induced adherence of tumor cells: Involvement of Ca²⁺ and Mg²⁺. *Invasion and Metastasis*, 1982;2:274-288.
16. **Fantone, J.C.**, Geisinger, K.R., Appleman, H.D.: Papillary adenoma of the lung with lamellar and electron dense granules: An ultrastructural study. *Cancer* 1982;50:2839-2844.
17. Johnson, H., **Fantone, J.C.** and Flye, W.: Thoracotomy and excisional lung biopsy in the treatment of pulmonary metastasis. *J. Surgical Oncol.* 1982;21:1-4.
18. Marasco, W.A., **Fantone, J.C.** and Ward, P.A.: Spasmogenic activity of chemotactic N-formylated oligopeptides: Identity of structure-function relationships for chemotactic and spasmogenic activities. *Proc. Nat. Acad. Sci.* 1982;79:7470-7473.
19. Kunkel, S.L., Kaercher, K., Plewa, M., **Fantone, J.C.** and Ward, P.A.: Production of cyclooxygenase products and superoxide anion by macrophages in response to chemotactic factors. *Prostaglandins* 1982;24: 789-799.
20. **Fantone, J.C.** and Ward, P.A.: Role of oxygen-derived free radicals and metabolites in leukocyte dependent inflammatory reactions. *Am. J. Pathol.* 1982;107:395-418.
21. Marasco, W.A., **Fantone, J.C.** and Ward, P.A.: Characterization of the rat neutrophil formyl peptide receptor. *Am. J. Pathol.* 1983;111: 273-281.
22. **Fantone, J.C.**, Marasco, W.A., Elgas, L.J. and Ward, P.A.: Anti-inflammatory effects of prostaglandin E1: *In vivo* modulation of the formyl peptide chemotactic receptor on the rat neutrophil. *J. Immunol.* 1983;130: 1495-1497.
23. **Fantone, J.C.** and Kinnes, D.A.: Prostaglandin E1 and prostaglandin I2 modulation of superoxide production by human neutrophils. *Biochem. Biophys. Res. Commun.* 1983;113:506-512.
24. **Fantone, J.C.**, Johnson, K.J., Till, G.O. and Ward, P.A.: Acute and progressive lung injury secondary to toxic oxygen products from leukocytes. *Chest* 1983;83:465-485.
25. **Fantone, J.C.**, Elgas, L.J., Weinberger, L. and Varani, J.: Modulation of tumor cell adherence by prostaglandins: Correlation with intracellular cyclic adenosine 3':5' monophosphate levels. *Oncology* 1983;40: 421-426.
26. **Fantone, J.C.** and Ward, P.A.: III. Mechanisms of lung parenchymal injury., In, Hunninghake, G.W. ed. *State-of-the-Art. Pathogenesis of Granulomatous Lung Disease.* *Am. Rev. Resp. Disease* 1984;130:484-491.
27. **Fantone, J.C.**, Marasco, W.A., Elgas, L.J. and Ward, P.A.: Stimulus specificity of prostaglandin inhibition of rabbit polymorphonuclear leukocyte lysosomal enzyme release and superoxide anion production. *Am. J. Pathol.* 1984;115:9-16.
28. Phan, S.H. and **Fantone, J.C.**: The effect of lipopolysaccharide on bleomycin-induced pulmonary fibrosis in rats. *Lab. Invest.* 1984; 50:587- 591.
29. **Fantone, J.C.**, Kunkel, R.G. and Kinnes, D.A.: Potentiation of α -naphthyl thiourea induced lung injury by prostaglandin E1 and platelet depletion. *Lab. Invest.* 1984;50:703-710.
30. Lee, E.C., Rui, S.T., **Fantone, J.C.** and Varani, J.: Functional responses of tumor cells to phorbol esters: Role for prostaglandins. *Oncology* 1984;41:210-216.

31. **Fantone, J.C.**, Duque, R.E. and Phan, S.H.: Prostaglandin modulation of N-formyl-methionyl-leucyl-phenylalanine induced transmembrane potential changes in rat neutrophils. *Biochim. Biophys. Acta* 1984; 804:265-274.
32. Schrier, D., Gibertsen, R.B., Lesch, M. and **Fantone, J.C.**: The role of neutrophils in Type II collagen-induced arthritis. *Am. J. Pathol.* 1984;177:26-29.
33. Ando, D.G., Lynch, J.P. and **Fantone, J.C.**: Sarcoid myopathy with elevated creatine phosphokinase. *Am. Rev. Resp. Dis.* 1985;131:298-300.
34. Lynch, J.P., Flint, A. and **Fantone, J.C.**: Non-caseating pulmonary granulomas associated with small cell carcinoma of the lung. *Am. J. Med.* 1985;78:691-696.
35. **Fantone, J.C.** and Ward, P.A.: Polymorphonuclear leukocyte-mediated cell and tissue injury: Oxygen metabolites and their relations to human disease. *Human. Pathol.* 1985;16:973-978.
36. Werns, S.W., Shea, M.J., Mitsos, S.E., Dysko, R.C., **Fantone, J.C.**, Schork, M.A., Abrams, G.D., Pitt, B. and Lucchesi, B.R.: Reduction of infarct size by allopurinol in the ischemic-reperfused canine heart. *Circulation.* 1986; 73:518-524.
37. Duque, R.E., **Fantone, J.C.**, Marasco, W.A. Cramer, C. and Phan, S.H.: The role of stimutable particulate phospholipase A2 in neutrophil activation: Effects of p-bromophenacyl bromide on stimulus response coupling. *Brit. J. Pharm.* 1986; 88:463-472.
38. Mitsos, S., Askew, T., **Fantone, J.C.**, Kunkel, S.L., Abrams, G.D., Schork, M.A. and Lucchesi, B.R.: Protective effects of N-2-mercaptpropionyl glycine against myocardial reperfusion injury after neutrophil depletion in the dog: Evidence for the role of intracellular derived free radicals. *Circulation.* 1986; 73:1077-1086.
39. Mitsos, S., **Fantone, J.C.**, Gallagher, K.P., Walden, K.M., Simpson, P.J., Abrams, G.D., Schork, M.A. and Lucchesi, B.R.: Canine myocardial reperfusion injury: Protection by a free radical scavenger, N-2-mercaptpropionyl glycine. *J. Cardio. Pharm.* 1986; 8:978-988.
40. Simpson, P.J., Mitsos, S.E., Gallagher, K.P., **Fantone, J.C.**, Abrams, G.D., Schork, M.A. and Lucchesi, B.R.: Prostacyclin protects ischemic-reperfused myocardium in the dog by inhibition of neutrophil activation. *Am. Heart J.* 1987; 113:129-137.
41. **Fantone, J.C.**, Feltner, D., Brieland, J. and Ward, P.A.: Phagocytic cell-derived inflammatory mediators and lung injury. *Chest.* 1987; 91:428-435.
42. Sitran, R., Brubaker, P.G. and **Fantone, J.C.**: Tissue fibrin deposition during acute lung injury in rabbits and its relationship to local expression of procoagulant and fibrinolytic activities. *Am. Rev. Respir. Dis.* 1987; 135:930-935.
43. Brieland, J., Kunkel, R.G., and **Fantone, J.C.**: Pulmonary alveolar macrophage function during acute inflammatory lung injury. *Am. Rev. Resp. Dis.* 1987; 135:1300-1306.
44. Simpson, P.J., Mickelson, J., **Fantone, J.C.**, Gallagher, K.P., and Lucchesi, B.R.: Iloprost inhibits neutrophil function *in vitro* and *in vivo* and limits experimental infarct size in canine heart. *Circulation Res.* 1987; 60:666-673.

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