

Wake Forest University School of Medicine

Curriculum Vitae

NAME: Charles Emory McCall, M.D.

CURRENT ACADEMIC TITLE: Professor of Internal Medicine
Deputy Associate Dean for Research, WFUSM
Director, General Clinical Research Center
Director, MD/PhD program, WFUSM

ADDRESS:

BUSINESS: Department of Medicine
Section on Molecular Medicine
Wake Forest University School of Medicine
Medical Center Boulevard
Winston-Salem, North Carolina 27157

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EDUCATION:

1949-1953 Lenoir High School
Lenoir, North Carolina

1953-1955 Mars Hill Junior College
Asheville, North Carolina

PREDOCTORAL:

1955-1957 Wake Forest College
B.S.-Magna Cum Laude
Winston-Salem, North Carolina

1957-1961 Bowman Gray School of Medicine
M.D.
Winston-Salem, North Carolina

POSTDOCTORAL TRAINING:

1961-1962 Intern
II and IV Harvard Medical Services
Boston City Hospital
Boston, Massachusetts

1962-1963 Assistant Resident
II and IV Harvard Medical Services
Boston City Hospital
Boston, Massachusetts

1963-1965	U.S.P.H.S., Epidemic Intelligence Service Center for Disease Control Atlanta, Georgia
1965-1966	Chief Resident Department of Medicine Harvard Medical School and Thorndike Memorial Laboratory: Clinical Fellow, II and IV Harvard Medical Services Boston City Hospital Boston, Massachusetts
1966-1968	NIH Postdoctoral Fellow/Infectious Disease Fellow Thorndike Research Laboratory Harvard Medical School Boston, Massachusetts

UNIFORMED SERVICE:

1963-1965	Captain U.S.P.H.S.
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PROFESSIONAL LICENSURE:

1966-1971	Massachusetts
1971-	North Carolina, #13178

SPECIALTY CERTIFICATION:

1968	American Board of Internal Medicine
1972	American Board of Infectious Diseases
1974	American Board of Allergy and Immunology

APPOINTMENTS:

2002-Present	Deputy Associate Dean for Research, WFUSM
2001-2005	Co-Director: Section on Molecular Medicine, Dept. of Medicine
1999-2006	Director, K30 Graduate Program for Clinical Research
1990-Present	Director, NIH General Clinical Research Center Wake Forest University School of Medicine/North Carolina Baptist Hospital
1989-Present	Professor, Section on Infectious Diseases Cross Appointment
1983-Present	Professor of Microbiology and Immunology Cross Appointment

1993-2003 Vice Chairman for Research and Academic Affairs
Department of Medicine, Wake Forest University
School of Medicine

1981-1983 Acting Chairman
Department of Microbiology and Immunology
Bowman Gray School of Medicine of Wake Forest
University

1981-1986 Vice Chairman
Department of Medicine
Bowman Gray School of Medicine of Wake Forest
University

1975-Present Professor of Medicine
Section on Infectious Diseases, Immunology, and
Rheumatology
Wake Forest University School of Medicine

1973-1998 Head, Section on Infectious Diseases, Department of
Internal Medicine, Wake Forest University School of
Medicine

1973-1988 Director, House Officer Training Program
Department of Medicine
Bowman Gray School of Medicine of Wake Forest
University

1971-1975 Associate Professor of Medicine, Director
Division of Infectious Disease, Immunology, and
Rheumatology
Bowman Gray School of Medicine of Wake Forest
University

1968-1971 Assistant Professor of Medicine
Bowman Gray School of Medicine of Wake Forest
University

PROFESSIONAL MEMBERSHIPS:

Association of American Physicians
American Society for Clinical Investigation
Infectious Diseases Society of America
Southern Society of Clinical Investigation
American Association of Immunologists
American Federation of Clinical Research
Phi Beta Kappa
Sigma Xi
American Society for Microbiology
American Association for the Advancement of
Science Reticuloendothelial Society

Associate, Royal Society of Medicine
Society for Experimental Biology and Medicine
American College of Physicians, Fellow
American Association of University Professors
American Society for Cell Biology
North Carolina Medical Society
Forsyth County Medical Society

HONORS AND AWARDS:

1956	Phi Beta Kappa, Wake Forest University
1959	Hoffman La Roche Basic Science Award
1960	Alpha Omega Alpha, Bowman Gray School of Medicine
1961	Bowman Gray School of Medicine Faculty Award
1973	Royal Society of Medicine Foundation Fellowship
1973	Award for Teaching Excellence Bowman Gray School of Medicine
1973	Infectious Diseases Society of America
1974-1979	Research Career Development Award, NIAID, KA-AI70767
1977	American Society for Clinical Investigation
1985	Association of American Physicians
1986	Bowman Gray School of Medicine, Distinguished Alumni Award
1994	Convocation Orator
1997	Established Investigator in Clinical Sciences Award Bowman Gray School of Medicine of Wake Forest University
1999	Wake Forest University School of Medicine Distinguished Alumnus Service Award

GRANTS:

RESEARCH:

ACTIVE:

NIH, 1 MO 1 RR07122-11 (Applegate)	3/1/01-2/28/06
NIH, PHS, NCRR General Clinical Research Center C.E. McCall, Director	

The major goals of this project are administrative duties only.

COMPLETE:

NIH, RO1 AI-09169-30 (McCall)	4/1/99-3/31/04
NIH, NIAID Functional and metabolic properties of toxic neutrophils	

The major goals of this project are to isolate and characterize the labile transcription repressor protein using biochemical and genetic approaches.

GRANTS: (continued)

NIH, K30 HL-04164-03 (McCall) 6/1/99-5/31/05

NIH, NHLBI
Education in Patient-Oriented Research

This is a Clinical Curriculum Research Award that will support staffing and administrative support for the Patient Oriented Research Program at WFUSM. It is strictly an educational grant and no research is covered by the grant.

NIH/NIA, 1P30AG21332-01 (M. Pahor) 10/01/02-9/30/07
C.E. McCall, Director, Research Development Core
NIA Older Americans Independence Center

The mission of the Wake Forest University Claude D. Pepper Older Americans Independence Center (OAIC) is to (1) assess the risk factors of physical disability in older adults, (2) develop and test effective prevention therapies, and to (3) educate and train new investigators in research on aging and disability, while developing their leadership qualities.

PREVIOUS TRAINING WARDS:

Sponsor, Clinical Scientist Award: NIH-HLBI; William Salzer, M.D.
Assistant Professor of Medicine, Section on Infectious Disease
Project period: 1985-1990

Sponsor, Physician Scientist Award: NIH-NIAID; Peter Leone, M.D.
Fellow, Section on Infectious Diseases
Project period: 1988-1993

Clinical Associate Physician (CAP) (NIH-NCRR); Mary Beth Fasano, M.D.
Project Period: 1993/1996

MAJOR COMMITTEE ACTIVITIES: (Representative)

Past	Chairman Infection Control Committee
Past	Chairman Hospital Utilization Review Committee
Past	Chairman House Officer Committee

MAJOR COMMITTEE ACTIVITIES: (Representative) (continued)

Past	Chairman Microbiological Safety Committee
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Committee	Past	Faculty Representative to Faculty Executive
	1970-1987, 1991-present	Chairman Committee for Promotions of Medical Students
	1983-Present	Member Chiefs of Professional Services
	1983-1986	Director House Officers, Department of Medicine
	1991-Present	Chairman, Committee for Promotions of Medical Students

PEER REVIEW ACTIVITIES (REPRESENTATIVE):

EDITORIAL REVIEW (REPRESENTATIVE):

J Clin Invest
J Immunol
Inf & Imm (Board Member)
J Leuk Biol
J Inf Dis
JAMA
Ann Int Med
Am J Med
Blood
Am Rev Resp Dis
Am J Path
J Biol Chem

RESEARCH REVIEW:

National Cancer Institute
National Institute of Allergy and Immunology
NIH General Medical Sciences
National Heart Lung Blood Institute
National Science Foundation
Member, Merit Review Board for Infectious
Diseases, Veterans Administration 1981-1989
Chairman, National Merit Review Board for
Infectious Diseases, Veterans Administration 1984-
1987
Pathology A Study Section, NIH, 1988 (ad hoc)
Parent Committee: NHLBI Review Board for SCOR
grants in Acute Lung Injury, Cystic Fibrosis, and
Sleep Disorders

SPONSORSHIPS:

FELLOWS IN INFECTIOUS DISEASES:

1974-1976	Sali Bibi, M.D.
1975-1977	William Simons, M.D.
1975-1977	Sam Pegram, M.D.
1976-1977	John King, M.D.
1977-1979	A. Stanley Link, M.D.
1977-1979	Richard Marx, M.D.
1980-1982	William Salzer, M.D.
1980-1982	Jeff Darnell, M.D.
1981-1983	Rob Gates, M.D.
1981-1983	Fred Kerns, M.D.
1982-1984	Louise Tashjian, M.D.
1983-1985	Gary Wilson, M.D.
1984-1986	Rebecca Wheeler, M.D.
1985-1988	Peter Leone, M.D.
1986-1988	Steve Weber, M.D.
1987-1989	Jan Rhyne, M.D.
1987-1989	Sidney Clements, M.D.
1988-1990	Sue Garwood, M.D.
1988-1989	Mary Beth Fasano, M.D.
1989-1991	Deborah Church, M.D.
1989-1991	Del DeHart, M.D.
1989-1991	Randy Marosok, M.D.
1990-1992	Jeff Stephens, M.D.
1990-1993	Rosa Guzman, M.D.
1991-1994	Amy Indorf
1992-1993	Ina Gilmore
1992-1995	Cathy Horn
1992-1994	David Jackson
1993-1995	Brent Barber
1993-1996	Bill Lewis
1994-1996	Craig Charles
1994-1996	Kent Smitherman
1994-1996	Tish Triplett
1995-1997	Sunee Kalathoor
1996-1998	Marina Nunez
1997-1999	Colin McDougall
1997-1999	Jocelyne Raad

SPONSORSHIPS: GRADUATE STUDENTS:

1984-1987	Rick Taylor, Ph.D.
1984-1987	Cindy Hendrix, M.S.
1991-1995	Karen Larue, Ph.D.
1996-2001	Chris Learn Ph.D.
1999-	Randy Jacinto
2000-	Chris Chan
2002-	Cynthia Hickman

POSTDOCTORAL PH.D.:

1984-1987	Susan Caldwell, Ph.D.
1986-1989	David Agwu, Ph.D.
1986-1988	Pat Lord, Ph.D.
1989-1991	Gerry O'Sullivan, Ph.D.

INVITED LECTURES (REPRESENTATIVE):

1975	Infectious Disease Society of America San Francisco, California "The Neutrophil"
1980	International Conference on Leukocytes Trieste, Italy "Glucose Transport in Leukocytes"
1983	American College of Physicians National Meeting San Francisco, California State of the Art: "Leukocyte Biology"
1986	International Conference on PAF Gatlinburg, Tennessee
1991	Combined Italian/American Conference on Lung Inflammation National Heart Lung Blood Institute Denver, Colorado
1994	Maxwell Finland Visiting Lectureship Harvard Medical School Boston, Massachusetts

BIBLIOGRAPHY: (Peer reviewed)

Chapters in Books

- McCall CE. Recognition of salmonella epidemics. In: Proceedings of National Conference on Salmonellosis. U.S. Government Printing Office, 1965:13-20.
- Toole JF, McCall CE. Brain inflammation and steroids: two double-edged swords. *Ann Intern Med* 1969;70:221-222. (Editorial).
- McCall CE. Host-parasite interaction. In: LaVia MF, Hill RB Jr, eds. Principles of pathobiology. New York: Oxford University Press, 1971:133-161.
- McCall CE. Bacterial pneumonia. In: Conn HF, ed. Current therapy, 1972. Philadelphia: Saunders, 1972:116-120.
- DeChatelet LR, Wang P, McCall CE. Bactericidal mechanisms of macrophages. In: Schlessinger D, ed. Microbiology - 1975. Washington, DC: American Society for Microbiology, 1975:215-218.
- Pegram PS Jr, McCall CE, Camp MG. Microorganism resistance to antibiotics - A self-instructional program. Health Sciences Consortium, 1977.
- McCall CE, Johnson JE III. Immunologic consequences of infection. In: Cluff E, Johnson E III, eds. Clinical concepts of infectious diseases, 2nd ed. Baltimore: Williams & Wilkins, 1978:92-103.
- Simons WJ, McCall CE. Infective mononucleosis. In: Cluff LE, Johnson JE III, eds. Clinical concepts of infectious diseases, 2nd ed. Baltimore: Williams & Wilkins, 1978:368-388.
- McCall CE, Bass DA, Thomas MJ, O'Flaherty JT, DeChatelet LR. Mechanism of hexose transport in human polymorphonuclear leukocytes. In: Rossi F, Patriarca P, eds. Biochemistry and function of phagocytes. New York: Plenum, 1982:539-547.
- DeChatelet LR, McCall CE, Shirley PS. Hydrogen peroxide production in a cell-free system: evidence for the involvement of a chain reaction. In: Rossi F, Patriarca P, eds. Biochemistry and function of phagocytes. New York: Plenum, 1982:371-381.
- Bass DA, Grover WH, Lewis JC, DeChatelet LR, McCall CE. Stimulation or activation of eosinophils in vivo during eosinophilia: possible role of arachidonic acid metabolism. In: Rossi F, Patriarca P, eds. Biochemistry and function of phagocytes. New York: Plenum, 1982:509-518.
- Gates RH, McCall CE. Gram-negative bacillary meningitis [editorial]. *JAMA* 1982;248:1217-1218.
- Olson NC, Salzer WL, McCall CE. Biochemical, physiological and clinical aspects of endotoxemia. *Mol Aspects Med* 1988;10:511-629.
- McPhail LC, Sozzani S, Wilson J, Qualliotine-Mann D, Cousart C, McCall CE. Regulation of protein kinase C in human neutrophils by arachidonic acid and other lipid mediators. In *Therapeutic Approaches to Inflammatory Processes*. A Lewis, N Doherty, and NR Ackerman, editors. Elsevier Science Publishing Co, Inc, 1989;101-112.

Salzer WL, McCall CE. PAF priming of inflammatory responses. In Platelet-activating factor antagonists: new developments for clinical application. FO and PW Ramwell, editors. Portfolio Pub Co/Gulf Pub Co, Woodlands, Houston, Texas 1990;171-188.

Yoza BK, Larue K, McCall CE. Molecular mechanisms responsible for endotoxin tolerance. In: Endotoxin and Sepsis, Molecular Mechanisms of Pathogenesis, host Resistance, and Therapy. J Levin, M Pollack, T Yokochi, and M Nakano, editors. New York:Wiley-Liss, 1998;209-216.

Journal Articles

Sanders E, Friedman EA, McCall CE, Brachman PS. Surveillance of human salmonellosis. Public Health Rep 1963;78:1080-1083.

McCall CE, Sanders WE, Boring JR, Brachman PS, Wickingsson M. Delineation of chronic carriers of Salmonella derby within an institution for incurables. Antimicrob Agents Chemother 1964;7:717-72

Sanders WE, Brachman PS, Friedman EA, Goldsby J, McCall CE. Salmonellosis in the United States: results of nationwide surveillance. Am J Epidemiol 1965;81:370-384.

McCall CE, Martin WT, Boring JR. Efficiency of cultures of rectal swabs and fecal specimens in detecting salmonella carriers: correlation with numbers of salmonella excreted. J Hygiene 1966;64:261-269.

McCall CE, Collins RN, Jones DB, Kaufman AF, Brachman PS. An interstate outbreak of salmonellosis traced to a contaminated food supplement. Am J Epidemiol 1966;84:32-39.

Sabath LD, McCall CE, Steigbigel NH, Finland M. Synergistic penicillin combinations for treatment of human urinary - tract infections. Antimicrob Agents Chemother 1966;149-155.

McCall CE, Steigbigel NH, Finland M. Lincomycin: activity in vitro and excretion in normal young men. Am J Med Sci 1967;254:144-155.

Sabath LD, Elder HA, McCall CE, Finland M. Synergistic combinations of penicillins in the treatment of bacteriuria. N Engl J Med 1967;277:232-238.

Steigbigel NH, McCall CE, Reid CW, Finland M. Antibacterial action of "broad spectrum" penicillins, cephalosporins, and other antibiotics against gram-negative bacilli. Ann NY Acad Sci 1967;145:224-236.

McCall CE, Katayama I, Cotran RS, Finland M. Lysosomal and ultrastructure changes in human toxic neutrophils during bacterial infections. J Exp Med 1969;129:267-293.

DeChatelet LR, Cooper MR, McCall CE. Absence of measurable leukocyte alkaline phosphatase activity from leukocytes of patients with chronic granulocytic leukemia. Clin Chem 1970;16:798-799.

DeChatelet LR, Cooper MR, McCall CE. Dissociation by colchicine of the hexose monophosphate shunt activation from the bactericidal activity of the leukocyte. Infect Immun 1971;3:66-72.

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- DeChatelet LR, Volk JV, McCall CE, Cooper MR. Studies on leukocyte phosphatases. II. Inhibition of leukocyte alkaline phosphatase by amino acids and zinc. Clin Chem 1971;17:210-213.
- Cooper MR, McCall CE, DeChatelet LR. Stimulation of leukocyte hexose monophosphate shunt activity by ascorbic acid. Infect Immun 1971;3:851-853.
- DeChatelet LR, McCall CE, Cooper MR. Direct measurement of iodine production by sonic extracts of polymorphonuclear leukocytes. Clin Chem 1971;17:392-396.
- Casey WJ, McCall CE. Suppression of the cellular interactions delayed hypersensitivity by corticosteroid. Immunology 1971;21:225-231.
- Traub WH, Craddock ME, Raymond EA, Fox M, McCall CE. Characterization of an unusual strain of Proteus rettgeri associated with an outbreak of nosocomial urinary-tract infection. Appl Microbiol 1971;22:278-283.
- McCall CE, Caves J, Cooper MR, DeChatelet LR. Functional characteristics of human toxic neutrophils. J Infect Dis 1971;124:68-75.
- McCall CE, DeChatelet LR, Cooper MR, Ashburn P. The effects of ascorbic acid on bactericidal mechanisms of neutrophils. J Infect Dis 1971;124:194-198.
- McCall CE, Volk JV, Cooper MR, DeChatelet LR. Effect of adrenocorticosteroid on glucose metabolism in BCG-sensitized alveolar macrophages. Infect Immun 1971;4:315-317.
- DeChatelet LR, Cooper MR, McCall CE. Studies on leukocyte phosphatases. III. Inhibition of leukocyte acid phosphatase by zinc. Clin Chem 1971;17:1176-1179.
- DeChatelet LR, Cooper MR, McCall CE. Stimulation of the hexose monophosphate shunt in human neutrophils by ascorbic acid: mechanism of action. Antimicrob Agents Chemother 1971;1:12-16.
- McCall CE, Cooper MR, DeChatelet LR. Nitroblue tetrazolium test. J Pediatr 1971;79:170-172.
- Cooper MR, DeChatelet LR, McCall CE, Spurr CL. Isolement et description de la larve de leptoconops (leptoconops) irritans noe, 1905 (Diptera, ceratopozonidae). Ann Parasitol Hum Comp 1971;737-748.
- Cooper MR, DeChatelet LR, McCall CE, LaVia MF, Spurr C, Baehner RL. Complete deficiency of leukocyte glucose-6-phosphate dehydrogenase with defective bactericidal activity. J Clin Invest 1972;51:769-778.
- DeChatelet LR, McCall CE, Cooper MR. Amino acid oxidase in leukocytes: evidence against a major role in phagocytosis. Infect Immun 1972;5:632-633.
- Sanders DY, Cooper MR, McCall CE, DeChatelet LR. Chronic granulomatous disease of childhood with onset of symptoms at age 11 years. J Pediatr 1972;80:104-106.

- Wehr KL, McCall CE. Infection of prosthetic valves: successful therapy with antibiotics. *South Med J* 1972;65:1224-1228.
- Qualliotine D, DeChatelet LR, McCall CE, Cooper MR. Stimulation of oxidative metabolism in polymorphonuclear leukocytes by catecholamines. *J Reticuloendothel Soc* 1972;11:263-276.
- Qualliotine D, DeChatelet LR, McCall CE, Cooper MR. Effect of catecholamines on the bactericidal activity of polymorphonuclear leukocytes. *Infect Immun* 1972;6:211-217.
- Cooper MR, DeChatelet LR, McCall CE, Spurr CL. The activated phagocyte of polycythemia vera. *Blood* 1972;40:366-374.
- DeChatelet LR, McCall CE, Cooper MR, Shirley PS. NAD kinase in human polymorphonuclear leukocytes. *J Reticuloendothel Soc* 1972;12:387-398.
- DeChatelet LR, McCall CE, Shirley PS. Nicotinamide adenine dinucleotide glycohydrolase activity in guinea pig polymorphonuclear leukocytes. *Infect Immun* 1972;6:302-307.
- Wang P, Franson RC, DeChatelet LR, Waite BM, McCall CE. Effect of methylprednisolone on some BCG-mediated changes in rabbit alveolar macrophage. *Infect Immun* 1972;6:982-987.
- DeChatelet LR, Wang P, McCall CE. Hexose monophosphate shunt activity and oxygen consumption during phagocytosis: temporal sequence. *Proc Soc Exp Biol Med* 1972;140:1434-1436.
- DeChatelet LR, Qualliotine-Mann D, Caldwell RR, McCall CE, Gudson JP Jr. Effects of promethazine-hydrochloride on human polymorphonuclear leukocytes. *Infect Immun* 1973;7:403-408.
- McCall CE, DeChatelet LR, Cooper MR, Shannon C. Human toxic neutrophils. III. Metabolic characteristics. *J Infect Dis* 1973;127:26-33.
- DeChatelet LR, McCall CE, Shirley PS. Creatine phosphokinase activity in rabbit alveolar macrophages. *Infect Immun* 1973;7:29-34.
- Ashburn P, Cooper MR, McCall CE, DeChatelet LR. Nitroblue tetrazolium reduction: false positive and false negative results. *Blood* 1973;41:921-925.
- DeChatelet LR, McCall CE, McPhail LC. Inhibition of amino acid incorporation into protein of human neutrophils by phagocytosis. *Infect Immun* 1973;8:791-795.
- DeChatelet LR, McCall CE, McPhail LC, Johnston RB Jr. Superoxide dismutase activity in leukocytes. *J Clin Invest* 1974;53:1197-1201.
- DeChatelet LR, McCall CE, Cooper MR, Shirley PS. Ascorbic acid levels in phagocytic cells. *Proc Soc Exp Biol Med* 1974;145:1170-1173.
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- DeChatelet LR, Mullikin D, Shirley PS, McCall CE. Phagocytosis of live versus heat-killed bacteria by human polymorphonuclear leukocytes. *Infect Immun* 1974;10:25-29.

- DeChatelet LR, McPhail LC, Mullikin D, McCall CE. Reduced nicotinamide adenine dinucleotide and reduce nicotinamide adenine dinucleotide phosphate diaphorase activity in human polymorphonuclear leukocytes. *Infect Immun* 1974;10:528-534.
- McCall CE, DeChatelet LR, Butler R, Brown D. Enhanced phagocytic capacity: the biologic basis for the elevated histochemical nitroblue tetrazolium reaction. *J Clin Invest* 1974;54:1227-1234.
- DeChatelet LR, Mullikin D, McCall CE. The generation of superoxide anion by various types of phagocyte. *J Infect Dis* 1975;131:443-446.
- DeChatelet LR, McPhail LC, Mullikin D, McCall CE. An isotopic assay for NADPH oxidase activity and some characteristics of the enzyme from human polymorphonuclear leukocytes. *J Clin Invest* 1975;55:714-721.
- Johnston RB Jr, Wilfert CM, Buckley RH, Webb LS, DeChatelet LR, McCall CE. Enhanced bactericidal activity of phagocytes from patients with chronic granulomatous disease in the presence of sulphisoxazole. *Lancet* 1975;1:824.
- DeChatelet LR, Shirley PS, Goodson PR, McCall CE. Bactericidal activity of superoxide anion and of hydrogen peroxide: investigations employing dialuric acid, a superoxide-generating drug. *Antimicrob Agents Chemother* 1975;8:146-153.
- DeChatelet LR, McCall CE, Cooper MR, Shirley PS. Inhibition of leukocyte acid phosphatase by heparin. *Clin Chem* 1972;18:1532-1534.
- Cooper MR, DeChatelet LR, McCall CE. The *in vitro* effect of steroids on polymorphonuclear leukocyte metabolism. *Proc Soc Exp Biol Med* 1972;141:986-990.
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- Wang P, Shirley PS, DeChatelet LR, McCall CE, Waite BM. Purification of plasma membrane from BCG-induced rabbit alveolar macrophages. *J Reticuloendothel Soc* 1976;19:333-345.
- Bibi SS, DeChatelet LR, McCall CE. Human toxic neutrophils IV. Incorporation of amino acids and uptake of 2-deoxy-D-glucose. *J Infect Dis* 1977;135:949-951.
- McPhail LC, DeChatelet LR, Shirley PS, Wilfert CM, Johnston RB Jr, McCall CE. Deficiency of NADPH oxidase activity in chronic granulomatous disease. *J Pediatr* 1977;90:213-217.
- Hoopes PC, McCall CE. The effect of cobra venom factor (CVF) activation of the complement cascade on leukocyte circadian rhythm in the rat. *Experientia* 1977;33:224-226.
- Harlan JE, DeChatelet LR, Iverson DB, McCall CE. Magnesium-dependent adenosine triphosphatase as a marker enzyme for the plasma membrane of human polymorphonuclear leukocytes. *Infect Immun* 1977;15:436-443.
- Bass DA, DeChatelet LR, McCall CE. Independent stimulation of motility and the oxidative metabolic burst of human polymorphonuclear leukocytes. *J Immunol* 1978;121:172-178.

- Pegram PS Jr, DeChatelet LR, McCall CE. Comparison of myeloperoxidase activity in leukocytes from normal subjects and patients with chronic granulomatous disease. *J Infect Dis* 1978;138:699-702.
- DeChatelet LR, Migler RA, Shirley PS, Bass DA, McCall CE. Enzymes of oxidative metabolism in the human eosinophil. *Proc Soc Exp Biol Med* 1978;158:537-541.
- DeChatelet LR, Shirley PS, McCall CE, Bass DA: Dissociation of leukocyte alkaline phosphatase from the bactericidal activity of neutrophils. *Infect Immun* 1979;23:94-98.
- McCall CE, Bass DA, DeChatelet LR, Link AS, Jr, Mann M. In vitro responses of human neutrophils to n-formyl-methionyl-leucyl-phenylalanine: correlation with effects of acute bacterial infection. *J Infect Dis* 1979;140:277-286.
- Link AS Jr, Bass DA, McCall CE. Altered neutrophil migration during bacterial infection associated with a serum modulator of cellular motility. *J Infect Dis* 1979;140:517-526.
- McCall CE, Bass DA, Cousart S, DeChatelet LR. Enhancement of hexose uptake in human polymorphonuclear leukocytes by activated complement component C5a. *Proc Natl Acad Sci USA* 1979;76:5896-5900.
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- Marx RS, McCall CE, Bass DA. Chemotaxin-induced changes in cyclic adenosine monophosphate levels in human neutrophils. *Infect Immun* 1980;29:284-286.
- DeChatelet LR, McCall CE, Shirley PS. Activation by dialysis of NAD(P)H oxidase(s) from human neutrophils. *J Reticuloendothel Soc* 1980;28:533-545.
- O'Flaherty JT, DeChatelet LR, McCall CE, Bass DA. Neutrophil aggregation: evidence for a different mechanism of action by phorbol myristate acetate. *Proc Soc Exp Biol Med* 1980;165:225-232.
- DeChatelet LR, Campbell TL, McCall CE, Shirley PS, Swendsen CL. Oxidation of 2-deoxyglucose by human polymorphonuclear leukocytes. *Inflammation* 1980;4:249-259.
- Bass DA, Gonwa TA, Szejda P, Cousart S, DeChatelet LR, McCall CE. Eosinopenia of acute infection: production of eosinopenia by chemotactic factors of acute inflammation. *J Clin Invest* 1980;65:1265-1271.
- Bass DA, O'Flaherty JT, Szejda P, DeChatelet LR, McCall CE. Role of arachidonic acid in stimulation of hexose transport by human polymorphonuclear leukocytes. (Chemotactic factors/leukocyte metabolism). *Proc Natl Acad Sci USA* 1980;77:5125-5129.
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- Bass DA, Grover WH, Lewis JC, Szejda P, DeChatelet LR, McCall, CE. Comparison of human eosinophils from normals and patients with eosinophilia. *J Clin Invest* 1980;66:1265-1273.

- O'Flaherty JT, Miller CH, Lewis JC, Wykle RL, Bass DA, McCall CE, Waite BM, DeChatelet LR. Neutrophil responses to platelet-activating factor. *Inflammation* 1980;5:193-201.
- O'Flaherty JT, Wykle RL, Miller CH, Lewis JC, Waite BM, Bass DA, McCall CE, DeChatelet LR. 1--alkyl-sn-glyceryl-3-phosphorylcholines: a novel class of neutrophil stimulants. *Am J Pathol* 1981;103:70-78.
- Bass DA, Szejda P, Goetzl EJ, Love SH, O'Flaherty JT, McCall CE. Stimulation of hexose uptake of human eosinophils by chemotactic factors. *J Infect Dis* 1981;143:719-725.
- O'Flaherty JT, Cousart S, Swendsen CL, DeChatelet LR, Bass DA, Love SH, McCall CE. Role of Ca⁺ and Mg⁺ in neutrophil hexose transport. *Biochim Biophys Acta* 1981;640:223-230.
- Bass DA, Thomas MJ, Goetzl EJ, DeChatelet LR, McCall, CE. Lipoxygenase-derived products of arachidonic acid mediate stimulation of hexose uptake in human polymorphonuclear leukocytes. *Biochem Biophys Res Commun* 1981;100:1-7.
- Long GD, DeChatelet LR, O'Flaherty JT, McCall CE, Bass DA, Shirley PS, Parce JW. Effects of quercetin on magnesium-dependent adenosine triphosphatase and the metabolism of human polymorphonuclear leukocytes. *Blood* 1981;57:561-566.
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