

CURRICULUM VITAE--Gregory J. Bagby, Ph.D.

July 6, 2010

PERSONAL DATA:

Work: Department of Physiology, LSU Health Sci Ctr, 1901 Perdido Street, New Orleans, LA 70112
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HIGHER EDUCATION:

(1970)-1975) Washington State University, Pullman, Washington
Ph.D. Physical Education (Exercise Physiology)

(1969-1970) University of California, Berkley, California
M.A. Physical Education

(1966-1969) San Diego State University, San Diego, California
B.A. Major - Physical Education
Minor - Biology

(1964-1966) Pasadena City College, Pasadena, California
A.A.

ACADEMIC APPOINTMENTS:

Kai and Earl Rozas Professor of Physiology
Louisiana State University Health Sciences Center at New Orleans,
2001-present

Professor of Physical Therapy
Louisiana State University Health Sciences Center at New Orleans,
1998-present

Professor of Physiology and Medicine,
Louisiana State University Health Sciences Center at New Orleans,
1989-present.

Associate Professor of Physiology,
Louisiana State University Health Sciences Center at New Orleans,
1982-1989.

Assistant Professor of Physiology,
Louisiana State University Health Sciences Center at New Orleans,
1977-1982.

PROFESSIONAL APPOINTMENTS:

- (1975-1977) NIH Postdoctoral Trainee, Louisiana State University Medical Center, New Orleans, Louisiana
- (1971-1975) Research Assistant in Exercise Physiology, Washington State University, Pullman, Washington
- (1970-1972) Teaching Assistant in Physical Education, Washington State University, Pullman, Washington

PROFESSIONAL SOCIETIES (current):

- American College of Sports Medicine, Fellow
American Physiological Society
Research Society on Alcoholism
Shock Society

PROFESSIONAL ACTIVITIES:

CURRENT RESEARCH ACTIVITIES:

Interaction between chronic alcohol consumption on the progression of simian immunodeficiency virus infection.

Impact of infection and alcohol on stem cell biology and the hematopoietic response.

Alcohol immunosuppression of cytokine production and action, and neutrophil migration.

Role of cytokines in pulmonary and systemic host defense. Selected cytokine transcytosis from the intrapulmonary compartment to the blood: Mechanism and Consequence

RESEARCH SUPPORT:

PAST

PHS-NIH R01 22101. Hormone-substrate interaction in diabetic dog myocytes. Principal Investigator. Sept. 1978 - Sept. 1980.

PHS-NIH R01 HL 23329. Lipoprotein lipase in heart myocytes. Principal Investigator. Jan. 1979 - Dec. 1981.

American Heart Association, Louisiana, Inc. (George S. Bel Memorial Award). Lipoprotein lipase turnover in the heart. Principal Investigator. July 1982 - June 1983.

PHS-NIH R01 GM 32371. Sepsis induced metabolic changes in diabetes. Co-Investigator. Aug. 1983 - July 1985.

American Heart Association, Louisiana Inc. Exercise-induced changes in tissue lipoprotein lipase. Principal investigator. January 1985 - July 1987.

PHS-NIH P01 GM32654. Mechanisms Mediating Metabolic Changes in Sepsis and burn. Project #1 - Dynamics of carbohydrate metabolism in sepsis. Co-Investigator. Project #2 - Lipoprotein metabolism and Function in Sepsis. Principal Investigator. Aug 1984 - July 1989.

RESEARCH SUPPORT (continued):

American Diabetes Association, Louisiana Affiliate, Inc. Endotoxin-induced monokines effects in diabetes. Principal Investigator. July 1986 - June 1987.

PHS-NIAAA R01 AA07287. Metabolic responses to infection in chronic alcoholics. Co-Investigator. July 1987 - June 1990.

PHS-NIH P01 GM 32654. Mechanisms Mediating Metabolic Changes in Sepsis. Project #1 - Dynamics of liver and gut carbohydrate metabolism in sepsis. Co-Investigator. Project #4 - Cytokine mediation of metabolic adjustments to sepsis. Principal Investigator. Aug 1989 - July 1995.

PHS-NIAAA RO1 AA07287 Immune and metabolic modulation by alcohol and infection. Co-Investigator. July 1990 - June 1994.

PHS-NIAAA 1 P50 AA09803 Alcohol, Infection and Host Response. Laboratory Core Director, Co-investigator, Project 2 (Alcohol, Immunosuppression and Host Defense), and Principal Investigator, Supplement-9/97 – 11/98 (Alcohol, Simian Immunodeficiency Virus and Host Defense). Dec 1993 - Nov 1998.

Louisiana Edu Qualify Support Fund 089A. Alcohol and infection interactions in the development of fatty liver. Principal Investigator. July 1994-June 1997.

PHS-NIAAA 1 P50 AA09803 Alcohol, HIV Infection and Host Defense. Associate Director, Animal Core Director, Co-Principal Investigator Project 1 (Alcohol, SIV Infection and Host Defense), Dec 1998 – Nov 2003.

PHS-NIAAA T32 AA07577 Biomedical Alcohol Research Training Program. PI, September 1999 – August 31, 2004

Health Excellence Fund, Board of Regents, Louisiana, Grant #030. Center for Lung Biology and Immunology. Co-Investigator (Analytical Cytology Laboratory Core; Clinical Immunotherapy Research: Mechanisms of alcohol-induced alterations in TNF in human subjects), June 1, 2000 to May 31, 2005

PHS-NIAAA R01 Chronic alcohol & AIDS Impact on Muscle Wasting. CoI (PI – Patricia E. Molina, M.D., Ph.D. July 1, 2002 to May 31, 2006.

PHS-NIAAA R01 The Effect of Alcohol on SIV Pathogenesis. CoI (PI Ronald S. Veazey, D.V.M., Ph.D. July 1, 2002 to May 31, 2006.

Department of Veterans Affairs TNF and Insulin Responses in Aging Muscle. CoI (PI Stephen Borst, Ph.D. October 1, 2002 to September 30, 2005.

PHS-NIAAA U01 AA014293 Alcohol Research Planning and Development Program. CoI (PI Vimal Kishore April 1, 2003 to March 31, 2006

RESEARCH SUPPORT (continued):

PHS-NIAAA 1 P60 AA09803 Alcohol, HIV Infection and Host Defense. Associate Director, Animal Core Director, Co-Principal Investigator Project 1 (Alcohol, SIV Infection and Host Defense), Dec 2003 – Nov 2009.

PHS-NIAAA T32 AA07577 Biomedical Alcohol Research Training Program. PI, September 2004 to August 31, 2009

CURRENT

PHS-NMCR P20 RR021970 Mentoring Translational Research in Louisiana, Ochoa (PI). Co-Director, Faculty Development Core Sep 2005 – June 2010

PHS-NIAAA R21AA017494 Alcohol, pneumonia and the granulopoietic response. Zhang (PI). Co-I

PHS-NIAAA T32 AA07577 Biomedical Alcohol Research Training Program. PI, September 2009 to August 2014

PHS-NIAAA 1 P60 AA09803 Alcohol, HIV Infection and Host Defense. Scientific Director, Animal Core Director, Co-Investigator of Research Components 1 and 3, Dec 2009 – Nov 2014.

PENDING

PHS-NIAAA 1 R01AA019676 Alcohol, Septicemia and the LKS cell response PI Ping Zhang Jul 1, 2010 – Jun 30, 2015 Co-I (Priority score 26; Percentile 20; Just in time information requested; Council May 2010)

EDUCATIONAL ACTIVITIES:

Systems Biology, School of Graduate Studies – Instructor Hematology and Innate Host Defense (2007-present)

Human Physiology, School of Dentistry – Instructor: Neurophysiology, Muscle Physiology and Renal Physiology (2006-present)

Graduate Research Forum, Coordinator (2003-2005)

Human Physiology, School of Allied Health Professions, Co-Course Director and Instructor (2002-2007)

Human Physiology enrichment for graduate students – neurophysiology (2001-2005)

Ethics in Biomedical Sciences, Instructor (2000-2007)

Responsible Conduct of Research, Instructor (2008-present)

Human Physiology. School of Allied Health Professions, Course director and Instructor (1977-2001).

Methods in Physiology for graduate students. Course organizer (1981-1988).

SCIENTIFIC PRESENTATIONS:

Invited speaker for International Society for Heart Research (American Section). Myocytes as tools to study lipoprotein lipase. June 19, 1981, Burlington, Vermont.

SCIENTIFIC PRESENTATIONS (continued):

Invited speaker to American Heart Association. How to prepare and use heart myocytes. November 18, 1981, Dallas, Texas.

Consultant to Dow Chemical Company, Indianapolis, Indiana, August 14-15, 1981.

Symposium speaker to American Physiological Society. Alterations in lipid metabolism produced by monokines in response to endotoxin. October 9, 1986. New Orleans, LA.

Invited speaker to Tracer Methodology Group at FASEB. Glycogen synthesis in liver and skeletal muscle after exercise: Participation of the Gluconeogenic pathway. May 3, 1988.

Organized and Chaired minisymposium on carbohydrate metabolism during endotoxemia and sepsis with emphasis on tissue distribution of glucose at Shock Society meeting. June 6, 1988.

Invited speaker Rank Prize Fund Mini-Symposium on Inflammation, Cytokines and

Nutrition, "Cytokine effects on in vivo glucose production and utilization during sepsis." Sept. 3-6, 1990, Grasmere, England.

Invited speaker, Department of Pharmacology, Tulane University, "The role of cytokines in sepsis." Sept. 1993.

Invited speaker, Management of Sepsis: An interactive program, presented by Department of Medicine Section of Pulmonary/Critical Care, Office of Continuing Education, LSU Medical Center, and LSUMC Foundation, "Current overview of the pathogenesis of sepsis and sepsis syndrome." Sept. 25, 1993.

Invited speaker, Cardiology Research Conference, Department of Cardiology, Tulane University, "Cytokine involvement in the host response to infection." April 7, 1994.

Invited speaker, Department of Molecular Physiology and Biophysics, Vanderbilt University School of Medicine, "Participation of carbohydrate metabolism in the host response to infection." Jan 19, 1995.

Invited speaker, Amgen Inc, G-CSF Research Meeting, Santa Monica, CA, "Effect of Filgrastim on mobilization of polymorphonuclear leukocytes and modulation of endogenous G-CSF expression, April 18-20, 1996.

Invited speaker, Shock Society 19th Annual Meeting, Traverse City, MI, Symposium on Immunomodulation strategies against septic shock, "Enhancement of host defense function as a strategy against septic shock; Potential efficacy of G-CSF," June 2-5, 1996

Invited speaker, Amgen Inc, G-CSF Research Meeting, Marina Del Rey, CA, "Alcohol, Host Defense and G-CSF," September 22-23, 1997.

SCIENTIFIC PRESENTATIONS (continued):

Invited speaker, LSU Medical Center Alcohol Research Center Symposium entitled Alcohol Induced Immunopathology, New Orleans, LA, "SIV infection, Alcohol and Host-Defense," October 17-18, 1997.

Invited speaker, Department of Cell Biology & Anatomy, School of Medicine, LSU Medical Center, Shreveport, LA, "Alcohol Intoxication and the Pro-Inflammatory Response to Bacterial Infections" March 8, 1999.

Invited speaker, 5th World Congress on Trauma, Shock, Inflammation and Sepsis, Munich, Germany, "G-CSF in Animal Models of Infection" February 29 to March 4, 2000.

Appointed to Editorial Board of Circulatory Shock, 1989-1993.

Moderator, Twenty- Third Annual Conference on Shock, Snowbird, Utah, Plenary Session 1, June 3-6, 2000.

Invited speaker, Hauptstadtkongress für Anesthesiologie und Intensivtherapie "Risiken der Modernen Anästhesie" mit Pflegesymposium, May 1-2, 2001.

Invited speaker, Research Society on Alcoholism 2001 Satellite Symposium: New Aspects of Immunomodulation by Alcohol. Montreal, Quebec, Canada "Suppression of the pulmonary inflammatory response to bacteria by alcohol intoxication." June 23, 2001.

Chaired symposium, Genes and Shock Research, 26th Annual Conference of the Shock Society, Phoenix, AZ, June 7, 2003

Invited speaker. "Ins and Outs of Pulmonary Host Defense", University of Virginia Health System, The Beire B. Carter Center for Immunology Research, January 26, 2004.

Invited speaker, "Overview of the Alcohol and SIV Rhesus Macaque Model of HIV Disease" Emory University, NIAAA-Supported Collaborative Symposium at Emory University, September 9-10, 2004

Invited speaker – International Society for Biomedical Research on Alcoholism. Symposium: Bench-to-bedside: Mechanisms and consequences of alcohol-altered host defenses. Heidelberg, Germany. "The reluctant neutrophil in lung bacterial host defense during alcohol abuse." October 1, 2004

Organizer/Chair of Symposium, "HIV and Alcohol: A Transdisciplinary Perspective", Research Society on Alcoholism Annual Meeting, Santa Barbara, CA, June 29, 2005.

Invited speaker, Extrapulmonary signals resulting from lung infections: the ins and outs of pulmonary host defense. Department of Physiology, LSU Health Sciences Center, Shreveport, LA, January 30, 2006.

Invited speaker, "Extrapulmonary cytokine signaling in response to lung infections". Department of Physiology, Tulane University, School of Medicine, New Orleans, LA, March 24, 2008

SCIENTIFIC PRESENTATIONS (continued):

Invited speaker, “Alcohol and Lung Infection” in the symposium “Alcohol as a risk factor in the hospital – from the clinic to the laboratory”, 11th Capital City Conference of the German Society of Anesthesiology and Intensive Care Medicine, Berlin, Germany, September 17-19, 2009.

Invited speaker “Alcohol impairment of granulocyte recruitment and production in response to bacterial pneumonia”, Department of Pharmacology, Tulane University, School of Medicine, New Orleans, LA, October 2, 2009.

Invited speaker “Impact of Alcohol Intoxication on Granulocyte Recruitment and Production during Lung Bacterial Infections”, Pulmonary, Critical Care, Sleep & Allergy Section of Medicine, University of Nebraska Medical Center, Omaha, NE, November 4, 2009.

Invited speaker “Biomedical Consequences of Alcohol Consumption on Progression of SIV Disease to AIDS” given in the VA Research Seminar sponsored by Pulmonary, Critical Care, Sleep & Allergy Section of Medicine, University of Nebraska Medical Center, Omaha, NE, November 5, 2009.

SCIENTIFIC SOCIETIES and NIH ACTIVITIES:

Appointed to Shock Society Publications Committee, 1989-1992, Chairman, 1992.

Appointed to Editorial Board of the Am. J. Physiol.: Endocrin. Metab., 1992-1997.

Member ACSM Research Review Committee, Immunology Subgroup, 1992

Member ACSM Research Review Committee 1993-1997

Appointed to Editorial Board of Shock, 1993-Present

Appointed to Shock Society Publications Committee, 1998-2001, Chairman, 2001.

Candidate as President-elect of Shock Society, 2001.

NIAAA Special Emphasis Committee - Training Grant Review, Member December 14, 2001.

NIAAA Special Emphasis Committee - Training Grant Review, Member November 17, 2004.

Appointed member Shock Society Awards and Honors Committee, 2003-2006

Nominated President for Shock Society April 2007– did not win election.

NIAAA Special Emphasis Committee – Teleconference grant review November 19, 2009

LSUHSC/LOCAL ACTIVITIES:

Appointed to Institutional Animal Care and Use Committee, LSUHSC, 1992-present.

President of LSUMC New Orleans Sigma Xi Club, 1992-1994.

Elected Delegate to the School of Medicine Faculty Assembly, 1992-1995.

Appointed to Animal Care Advisory Committee, LSU Medical Center, 1997-present.

Appointed as member of Search Committee for Head of Pharmacology, 1999

Elected Delegate to the School of Medicine Faculty Assembly, 2001-2004

Appointed as member of Search Committee for Head of Biochemistry and Molecular Biology, 1999

Appointed to Search Committee for Director of the Tulane National Primate Research Center, Covington, LA, 2000

Appointed to the Tulane Resource Allocation Committee, Tulane Regional Primate Research Center, Covington LA, 2001-2002

Appointed Chair of Animal Care Advisory Committee, LSU Health Sciences Center, January 2002-present.

Senator, LSU Health Sciences Center Faculty Senate, 2002 - 2009

Chair of Physiology Faculty Search Committee, 2003-present

Appointed Coordinator of Physiology Graduate Studies Program, 2004-2008

Member of the Graduate Studies Advisory Council, 2004-present

Chair – Postdoctoral Training Committee

Member – Membership Committee

Elected by Faculty Assembly of the School of Medicine to the Faculty Senate of the LSU Health Sciences Center, 2004-2006

Appointed Search Committee Appointment, Dean School of Allied Health Professions, LSU Health Sciences Center, 2003.

Elected by Faculty Assembly of the School of Medicine to the Faculty Senate of the LSU Health Sciences Center, 2006-2009

Appointed to the Tulane Resource Allocation Committee, Tulane Regional Primate Research Center, Covington LA, 2006-present.

Appointed to Lab Core Steering Committee, LSU Health Sciences Center, 2006-present

LSUHSC ACTIVITIES:

President-Elect, Faculty Senate of the LSU Health Sciences Center, 2006-2007

President, Faculty Senate of the LSU Health Sciences Center, 2007-2008

Elected Delegate to the School of Medicine Faculty Assembly, 2007-2010 (Volunteered to be delegate for 1 year only)

Appointed Director of Faculty Research Development Program, 2008-present

Appointed to Emergency Situation Response Planning Committee, 2008-present

Appointed to Research Infrastructure and Core Facilities Work Group for School of Medicine Strategic Planning Effort, 2008

Past-President, Faculty Senate of the LSU Health Sciences Center, 2008-2009

PUBLICATIONS:

Peer Reviewed Articles

1. Bagby, G.J., W.L. Sembrowich and P.D. Gollnick. Myosin ATPase and fiber composition from trained and untrained rat skeletal muscle. *Am. J. Physiol.* 223:1415-1417, 1972.
2. Bagby, G.J., M.S. Liu and J.A. Spitzer. Lipoprotein lipase activity in rat heart myocytes. *Life Sciences* 21:467-474, 1977.
3. Bagby, G.J., H.L. Green, S.K. Katsuta and P.D. Gollnick. Glycogen depletion in exercising rats infused with glucose, lactate or pyruvate. *J. Appl. Physiol.* 45:425-429, 1978.
4. Bagby, G.J. and J.A. Spitzer. Lipoprotein lipase in rats sensitized to endotoxin by surgical trauma. *J. Surg. Res.* 29:110-115, 1980.
5. Long, W.M., G.J. Bagby and J.J. Spitzer. Contribution of viable and nonviable heart myocytes to substrate oxidation. *Am. J. Physiol.* H740-H744, 1980.
6. Bagby, G.J. and J.A. Spitzer. Lipoprotein lipase activity in rat heart and adipose tissue during endotoxic shock. *Am. J. Physiol.* 238:H325-H330, 1980.
7. Romanosky, A.J., G.J. Bagby, E.L. Bockman and J.J. Spitzer. Free fatty acid utilization by skeletal muscle following endotoxin administration. *Am. J. Physiol.* 239:E391-E395, 1980.
8. Romanosky, A.J., G.J. Bagby, E.L. Bockman and J.J. Spitzer. Increased skeletal muscle glucose uptake and lactate release following E. coli endotoxin administration. *Am. J. Physiol.* 239:E311-E316, 1980.
9. Kelleher, D.L., G.J. Bagby and J.J. Spitzer. Glucose metabolism following endotoxin administration in diabetic rats. *Horm. Metab. Res.* 12:595-601, 1980.

Peer Reviewed Articles (continued):

10. Bagby, G.J., H.I. Miller, J.A. Spitzer and J.J. Spitzer. Increased tissue lipoprotein lipase activity in guinea pigs following burn trauma. *Circ. Shock* 8:131-136, 1981.
11. Romanosky, A.J., O. McGuinness, G.J. Bagby, and J.J. Spitzer. Increased muscle oxygen consumption during electrical stimulation following endotoxin administration. *Adv. Shock Res.* 6:121-129, 1981.
12. Montini, J., G.J. Bagby, A.H. Burns and J.J. Spitzer. Exogenous substrate utilization in Ca²⁺ tolerant myocytes from adult rat hearts. *Am. J. Physiol.* 240:H659-H663, 1981.
13. Kelleher, D.L., G.J. Bagby and J.J. Spitzer. Metabolic and endocrine alterations following endotoxin administration in normal and diabetic rats. In: Homeostasis in Injury and Shock, Adv. Physiol. Sci., edited by Zs. Biro, A.G.B. Kovach, J.J. Spitzer and H.B. Stoner, Pergamon Press, Budapest, 26:181-191, 1981.
14. Holley, D.C., G.J. Bagby and D.L. Curry. Ethanol-insulin interrelationships in the rat studies in vitro and in vivo: Evidence for direct inhibition of biphasic glucose-induced insulin secretion. *Metabolism* 30:894-899, 1981.
15. Montini, J., G.J. Bagby and J.J. Spitzer. Importance of exogenous substrate for the energy production of adult rat heart myocytes. *J. Molec. Cell. Card.* 13:903-911, 1981.
16. Bagby, G.J. and J.A. Spitzer. Decreased myocardial extracellular and muscle lipoprotein lipase activities in endotoxin treated rats. *Proc. Soc. Exp. Biol. Med.* 168:395-398, 1981.
17. Kelleher, D.L., G.J. Bagby, B.C. Fong and J.J. Spitzer. Glucose turnover 5 hours following endotoxin administration to normal and diabetic rats. *Circ. Shock* 9:45-53, 1982.
18. Chen, V., G.J. Bagby and J.J. Spitzer. Exogenous substrate utilization by isolated myocytes from chronically diabetic rats. *Am. J. Physiol.* 245:C46-C51, 1983.
19. Lang, C.H., G.J. Bagby, G.H. Bornside, L.J. Vial and J.J. Spitzer. Sustained hypermetabolic sepsis in rats: Characterization of the Model. *J. Surg. Res.* 35:201-210, 1983.
20. Bagby, G.J. Heparin independent release of lipoprotein lipase activity from perfused rat hearts. *Biochim. Biophys. Acta* 753::47-52, 1983.
21. Lang, C.H., G.J. Bagby and J.J. Spitzer. Carbohydrate dynamics in the hypermetabolic septic rat. *Metabolism* 33:959-963, 1984.
22. Lang, C.H., G.J. Bagby, J.L. Ferguson and J.J. Spitzer. Cardiac output and redistribution of organ blood flow in hypermetabolic sepsis. *Am. J. Physiol.* 246:R331-R337, 1984.
23. Scholl, R.A., C.H. Lang and G.J. Bagby. Hypertriglyceridemia and its relation to tissue lipoprotein lipase activity in endotoxemia, E. coli bacteremia and polymicrobial septic rats. *J. Surg. Res.* 37:394-401, 1984.

Peer Reviewed Articles (continued):

24. Lang, C.H., G.J. Bagby, and J.J. Spitzer. Glucose kinetics and body temperature after lethal and nonlethal doses of endotoxin. *Am. J. Physiol.* 248:R471-R478, 1985.
25. Lang, C.H., G.J. Bagby, A. Nowotny and J.J. Spitzer. Effects of toxic and nontoxic endotoxin derivatives on glucose kinetics *Circ. Shock* 17:301-312, 1985.
26. Buday, A.Z., C.H. Lang, G.J. Bagby and J.J. Spitzer. Glycogen synthase and phosphorylase activities during glycogen repletion in endotoxemic rats. *Circ.Shock* 19:149-163, 1986.
27. Bagby, G.J., J.L. Johnson, B.W. Bennett and R.E. Shepherd. Muscle lipoprotein lipase activity in voluntarily exercising rats. *J. Appl. Physiol.* 60:1623-1627, 1986.
28. Bagby, G.J., C.B. Corll, J.J. Thompson and L.A. Wilson. Lipoprotein lipase suppressing mediator in serum of endotoxin-treated rats. *Am. J. Physiol.* 251:E470-E476, 1986.
29. Bagby, G.J., C.H. Lang, M.E. Giaimo and J.J. Spitzer. Increased glucose metabolism by epitrochlearis muscle removed from endotoxin-treated rats. *Circ. Shock* 20:171-179, 1986.
30. Lang, C.H. and G.J. Bagby. Endotoxin tolerance diminishes endotoxin-induced alterations in carbohydrate kinetics. *Circ. Shock* 20:141-150, 1986.
31. Lang, C.H., G.J. Bagby, H.L. Blakesley, J.L. Johnson and J.J. Spitzer. Plasma glucose concentration determines direct versus indirect liver glycogen synthesis. *Am. J. Physiol* 251:E584-E590, 1986.
32. Lang, C.H., G.J. Bagby, A.Z. Buday, and J.J. Spitzer. The contribution of gluconeogenesis to glycogen repletion during glucose infusion in endotoxemia. *Metabolism* 36:180-187, 1987.
33. Bagby, G.J., C.B. Corll and R.R. Martinez. Triacylglycerol kinetics in endotoxic rats with suppressed lipoprotein lipase activity. *Am. J. Physiol.* 253:E59-E64, 1987.
34. Meszaros, K., G.J. Bagby, C.H. Lang and J.J. Spitzer. Increased uptake and phosphorylation of 2-deoxyglucose by skeletal muscles in endotoxin-treated rats. *Am. J. Physiol.* 253:E33-E39, 1987.
35. Meszaros, K., C.H. Lang, G.J. Bagby and J.J. Spitzer. Contribution of different organs to increased glucose consumption after endotoxin administration. *J. Biol. Chem.* 262:10965-10970, 1987.
36. Lang, C.H., G.J. Bagby, H.L. Blakesley and J.J. Spitzer. Inhibition of eicosanoid production by BW755C does not attenuate sepsis-induced alterations in glucose kinetics. *Circ. Shock* 22:105-113, 1987.
37. Lang, C.H., G.J. Bagby, H.L. Blakesley and J.J. Spitzer. Fever is not responsible for the elevated glucose kinetics in sepsis. *Proc. Soc. Biol. Med.* 185:455-461, 1987.
38. Lang, C.H., C. Dobrescu, G.J. Bagby and J.J. Spitzer. Altered glucose kinetics in diabetic rats during gram-negative infection. *Am. J. Physiol.* 253:E123-E129, 1987.

Peer Reviewed Articles (continued):

39. Lang, C.H., C. Dobrescu, D.M. Hargrove, G.J. Bagby and J. J. Spitzer. Attenuation of endotoxin-

- induced increases in glucose metabolism by platelet-activating factor antagonist. *Circ. Shock* 23:179-188, 1987.
40. Hargrove, D.M., G.J. Bagby, C.H. Lang and J.J. Spitzer. Adrenergic blockade does not abolish or prevent elevated glucose turnover during mild E. coli bacterial infection. *Am. J. Physiol.* 254:E16-E22, 1987.
 41. Lang, C.H., G.J. Bagby, D.M. Hargrove, P.M. Hyde and J.J. Spitzer. Alterations in glucose kinetics induced by pentobarbital anesthesia. *Am J. Physiol.* 254:E657-E663, 1987.
 42. Lang, C.H., G.J. Bagby, H.L. Blakesley and J.J. Spitzer. Glucose kinetics and pyruvate dehydrogenase activity in septic rats treated with dichloroacetate. *Circ. Shock* 23:131-141, 1987.
 43. Meszaros, K., C.H. Lang, G.J. Bagby and J.J. Spitzer. Tumor necrosis factor in vivo glucose utilization of macrophage-rich tissues. *Biochem. Biophys. Res. Commun.* 149:1-6, 1987.
 44. Lang, C.H., G.J. Bagby, A.Z. Buday and J.J. Spitzer. The contribution of gluconeogenesis to glycogen repletion during glucose infusion in endotoxemia. *Metabolism* 36:180-187, 1987.
 45. Johnson, J.L. and G.J. Bagby. Gluconeogenic pathway in liver and muscle glycogen synthesis after exercise: *J. Appl. Physiol.* 64:1591-1599, 1988.
 46. Bagby, G.J., C.H. Lang, D.M. Hargrove, J.J. Thompson, L.A. Wilson and J.J. Spitzer. Glucose kinetics in rats infused with endotoxin-induced monokines or tumor necrosis factor. *Circ. Shock* 24:111-121, 1988.
 47. Lang, C.H., C. Dobrescu, D.M. Hargrove, G.J. Bagby and J.J. Spitzer. Platelet-activating factor-induced increases in glucose kinetics. *Am. J. Physiol.* 254:E193-E200, 1988.
 48. Deaciuc, I.V. and G.J. Bagby. Triacylglycerol output by the isolated perfused liver of endotoxin-treated rats. *Circ. Shock* 25:165-172, 1988.
 49. Meszaros, K., C.H. Lang, G.J. Bagby and J.J. Spitzer. In vivo glucose utilization by individual tissues during nonlethal hypermetabolic sepsis. *FASEB J.* 2:3083-3086, 1988.
 50. Hargrove, D.M., G.J. Bagby, C.H. Lang and J.J. Spitzer. Adrenergic blockade prevents endotoxin-induced increases in glucose metabolism. *Am. J. Physiol.* 255:E629-E635, 1988.
 51. Lang, C.H., H.L. Blakesley, G.J. Bagby and J.J. Spitzer. Lipoxygenase and cyclooxygenase blockade by BW755C prevents endotoxin-induced hypotension but not changes in glucose metabolism. *Horm. Metabol. Res.* 20:551-554, 1988.
 52. Spitzer, J.J., G.J. Bagby, K. Meszaros and C.H. Lang. Alterations in lipid and carbohydrate metabolism in sepsis. *J. Parenter. Enter Nutr.* 12:535-585, 1988.

Peer Reviewed Articles (continued):

53. Nelson, S., G.J. Bagby, B.G. Bainton, L.A. Wilson, J.J. Thompson and W.R. Summer. Compartmentalization of intraalveolar and systemic lipopolysaccharide-induced tumor necrosis

- factor and the pulmonary inflammatory response. *J. Infect. Dis.* 159:189-194, 1989.
54. Bagby, G.J. and C.B. Corll. Comparison of lipoprotein lipase activity in heart myocytes and perfused hearts. *J. Mol. Cell. Card.* 21:253-262, 1989.
 55. Molina, P.E., C.H. Lang, G.J. Bagby, N.B. D'Souza and J.J. Spitzer. Ethanol administration diminishes the endotoxin-induced increase in glucose metabolism. *Alcoholism: Clin. Exp. Res.* 13:407-412, 1989.
 56. D'Souza, N.B. G.J. Bagby, S. Nelson, C.H. Lang and J.J. Spitzer. Acute alcohol infusion suppresses endotoxin-induced serum tumor necrosis factor. *Alcoholism: Clin. Exp. Res.* 13:295-298, 1989.
 57. Nelson, S., G.J. Bagby and W.R. Summer. Alcohol suppresses lipopolysaccharide-induced tumor necrosis factor activity in serum and lung. *Life Sci.* 44:673-676, 1989.
 58. Bagby, G.J., J. J. Thompson, L.A. Wilson and R.M. Hazel. Temporal response of lipoprotein lipase-suppressing mediator and tumor necrosis factor in lipopolysaccharide-injected and -infused rats. *Circ. Shock* 28: 385-394, 1989.
 59. Hargrove, D.M., C.H. Lang, G.J. Bagby and J. J. Spitzer. Epinephrine-induced increase in glucose turnover is diminished during sepsis. *Metabolism* 38: 1070-1076, 1989.
 60. Lang, C.H., G.J. Bagby, H.L. Blakesley and J. J. Spitzer. Importance of hyperglucagonemia in eliciting the sepsis-induced increase in glucose production. *Circ. Shock* 29: 181-191, 1989.
 61. Nelson, S., G.J. Bagby, B.G. Bainton and W.R. Summer. The effects of acute and chronic alcoholism on tumor necrosis factor and the inflammatory response. *J. Infect. Dis.* 160: 422-429, 1989.
 62. Bainton, B.G., S. Nelson, C. Chidiac, G.J. Bagby and W.R. Summer. Anti-inflammatory agents in sepsis and acute lung injury. *Critical Care Report* 1: 201-207, 1990.
 63. D'Souza, N.B., C.H. Lang, G.J. Bagby and J.J. Spitzer. The effect of ethanol infusion on the altered glucose turnover during bacterial infection. *Metabolism* 39: 588-594, 1990.
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