

## CURRICULUM VITAE

Lina Marie Obeid, MD

Business Address: Medical University of South Carolina  
114 Doughty Street, Room 604  
P.O. Box 250779  
Charleston, South Carolina 29425

### Appointments

#### Present Position(s):

1998 - Present

Boyle Chair Professor  
Division of General Internal Medicine-Geriatrics  
Department of Medicine  
Medical University of South Carolina

1998 - Present

Joint Professor  
Department of Biochemistry and Molecular Biology  
Medical University of South Carolina

1998 - Present

Staff Physician  
Ralph Johnson VA Medical Center  
Charleston, South Carolina

#### Previous Position(s):

1996-1998

Associate Professor  
Division of Geriatrics  
Department of Medicine  
Duke University Medical Center

#### Previous Position(s):

1994-1998

Assistant Professor  
Department of Cell Biology  
Duke University Medical Center

1992-1996

Assistant Professor  
Division of Geriatrics  
Department of Medicine  
Duke University Medical Center

1991-1992

Faculty Re-trainee in Geriatrics  
Department of Medicine  
Duke University Medical Center

1990-1991

Associate in Medicine, Divisions of Endocrinology and  
Geriatrics  
Department of Medicine  
Duke University Medical Center

## **Education**

### **College:**

1973-1975

American University of Beirut  
Two years, Chemistry

1975-1977

Rutgers University, New Jersey  
B.Sc., Chemistry with honors

### **Medical School:**

1978-1983

American University of Beirut,  
School of Medicine  
M.D. with distinction

1983-1986

Resident in Medicine,  
Department of Internal Medicine  
Duke University Medical Center

1986-1990

Endocrinology Fellow, Duke University

### **Research Experience:**

July 1986 - July 1987

Research Fellow in the lab of Dr. Robert J. Lefkowitz  
Duke University Medical Center

August 1988 - April 1992

Research Associate in the lab of Dr. Yusuf A. Hannun  
Duke University Medical Center

**Grant Support (past)**

American Federation on Aging Research  
Signal Transduction in Cellular Senescence  
L. M. Obeid, Principal Investigator  
Total project period: 07/01/95-06/30/2000

5 R29 AG12467, National Institute of Health/National Institute on Aging  
Ceramide and Cell Senescence  
L. M. Obeid, Principal Investigator  
Total project period: 05/01/94-4/30/02

Merit Award (Obeid-PI)  
Agency: Veteran's Administration  
"Role of a Novel Human Ceramidase in Apoptosis and Senescence"  
Total project period: 10/1/00 - 9/30/03

Hollings Cancer Center (Obeid-PI)  
Department of Defense  
"Translational Studies on the Role of Sphingosine Kinase in Lung Cancer"  
Total project period: 08/01/02-07/31/05

P20 AR47788-01A1 (Obeid-Col)  
Agency: NIH/NIAMS  
"MCRC for Rheumatic Diseases in African-Americans"  
Project A Leader: Maria Trojanowska, Ph.D. for "Sphingosine kinase in systemic sclerosis"  
Total project period: 01/1/03-03/30/08

P01 CA097132-01A1 (Obeid-Col)  
AGENCY: NIH  
Sphingolipids in Cancer Therapy and Angiogenesis  
PROJECT 3 Leader: Obeid, Lina M.  
"Role for Sphingosine Kinase and Sphingosine-1-Phosphate in Tumor Angiogenesis"  
Total project period: 07/01/03 – 06/30/08

R01 GM06325 (Hannun-PI)  
Agency: NIH/NIGMS  
"Modeling and Analysis of Yeast Sphingolipid Metabolism"  
Total project period: 02/01/06 – 09/01/08

Merit Award (Obeid-PI)  
Agency: Veteran's Administration  
Continuation : "Role of a Novel Human Ceramidase in Apoptosis and Senescence"  
Total project period: 10/1/03 - 12/31/08

**Grant Support (current)**

IR01-GM-62887 (Obeid-PI)  
Agency: NIH/NIGMS  
"Sphingosine 1 Phosphate in Inflammation"  
Total project period: 5/01/01 - 08/31/09

1R01-AG-16583 (Obeid-PI)  
Agency: NIH/NIA

“Mitochondrial Ceramide in Chemotherapy-induced Apoptosis”

Total project period: 09/01/98-08/31/10

P20 RR017677-01 (Obeid-PI)

Agency: NIH

“COBRE in Lipidomics and Pathobiology”

Total project period: 07/1/02 - 09/30/12

P01 CA097132-01A1 (Obeid-Col)

AGENCY: NIH

Sphingolipids in Cancer Therapy and Angiogenesis

PROJECT 3 Leader: Obeid, Lina M.

"Role of Sphingosine Kinase in p53 Cancer Biology"

Total project period: 08/01/08 – 07/31/12

AR Foundation (Obeid-Col)

Agency: ACR-REF

“Role of Sphingosine Kinase in Inflammatory Arthritis”

Total project period: 7/1/07-6/30/09

1P30 CA138313-01 (Obeid-Col)

Agency: NIH/NCI

Medical University of South Carolina-Cancer Center Support Grant

Total project period: 04/1/09-06/30/14

### **Awards and Honors**

1978	B.S. with honors
1978-1983	Dean's honor list, School of Medicine
1982	Member, Alpha Omega Alpha, Honor Medical Society
1983	M.D. with distinction from American University of Beirut School of Medicine
1989-1990	Hartford Scholar
1990	Henry Christian Memorial Award
1992-1997	Clinical Investigator Award, National Institute of Aging
1994-1996	James A. Shannon Director's Award
1995-1998	Paul Beeson Physician Faculty Scholar
1995-2000	First Award, National Institute of Aging
2000-2003	Veterans Affairs Merit Award
2004	Fellow of American Association for the Advancement of Science

### **Professional Societies**

1998 - present	Association of American Physicians
1998 - present	American Society for Biochemistry and Molecular Biology
2001 - present	American Federation for Clinical Research
2001 - present	American Geriatrics Society
2002 - present	Gerontological Society of America
2002 - present	American Association for the Advancement of Science
2003 - present	SC American Geriatrics Society

### **Teaching Experience**

Spring 2005	Biochemistry elective BMB #605A, Medical University of South Carolina
Spring 2003	Lipid course, Biochemistry, MUSC
Spring 2002	BMB #702-01(4564) Molecular Basis of Apoptosis, Biochemistry MUSC

Fall 2001 1998 - present	Common Curriculum in Pharmacology: Membrane Trafficking, MUSC Geriatrics outpatient clinic at the Veteran Affairs Medical Center, Charleston, South Carolina (Teaching medical students and housestaff)
1988 - 1998	Supervise and teach several undergraduate, medical and graduate students in laboratory theory and teaching
1989 - 1998	Geriatric Education and Management Consultation Service at the Veterans Affairs Medical Center, Duke University (supervising Geriatric fellows)
1989 - 1998	Rounding on General Internal Medicine at the Veterans Affairs Medical Center, Duke University (Teaching medical students and housestaff)
1988	Medical Outpatient Clinic for supervising housestaff in the Department of Medicine at Duke University
1987	Physical Diagnosis Course for first year medical students at Duke University

**Student Mentor**

**Students**

**Undergraduate**

Lisa Leonard  
  
Mat Demeter  
Viann Bolick  
Daniel Brown  
Kashelle Othersen

**Years/Mo. Mentored**

Summer student  
1995-1998  
Senior Research  
2002  
2003  
2001-2002

**Current Position**

Medical Student at  
East Carolina University  
Graduate School  
Graduated, The Citadel  
Graduated, The Citadel  
Research Assistant  
University of North Carolina

**Lab Rotation**

Justin Turner  
Megan Kibbey  
Brian Hoel  
Kristen Johnson  
Linnea Freeman

6/2000-9/2000  
9/2000-12/2000  
2002 Lab rotation  
2003 Lab rotation  
2007 Lab rotation

MCBP Student, MUSC  
DMD/Ph.D. Student, MUSC  
Graduate Student, MUSC  
Graduate Student, MUSC  
PhD Student, MUSC

**Summer Students**

Amy Cheng

2005-2007

Summer Student, Obeid Lab

**Graduate**

Jiandi Zhang

Ph.D. 1999

Research Scientist  
Rigel Biotech

Namjin Chung

Ph.D. 2000

Sr. Research Investigator  
Bristol-Myers Squibb Co.  
Pennington, NJ

**Graduate**

**Students**

Heather Greer

**Years/Mo. Mentored**

2001-2002  
Med. Univ. of South Carolina  
M.D./Ph.D.  
2007

**Current Position**

Laboratory Technician

M.S. 2007

Tarek Taha

Orthopaedic Surgery Fellow,  
Indianapolis, IN

Christopher Gault

2004-Present

MSTP Student, Obeid Lab

Tom Mullen

2004-Present

MSTP Student, Obeid Lab

Linda Heffernan

2005-Present

MSTP Student, Obeid Lab

K. Alexa Orr	2007-Present	PhD Student, Obeid Lab
<b>Postdoctoral</b>		
Mark Venable, Ph.D.	1993-97	Assistant Professor, Appalachian University, TN
Joanna Lee, Ph.D.	1994-98	Assistant Professor Oakland Children's Hospital
Cynthia Wilder, Ph.D.	1997-99	Patent Officer United States Patent Office
Ann Marie Conway, Ph.D.	1999-2000	Postdoctoral Fellow Glasgow, Scotland
Lina Boujaoude, M.D.	1999-2000	Associate Professor Gastroenterology, Hepatology, & Nutrition Baylor College of Medicine Houston, TX
Helene Birbes, Ph.D.	1999-2001	Assistant Professor Universitite Pierre et Marie Curie Inserm, Paris France
Korey Johnson, Ph.D.	2000-2004	Science Teacher Stratford High School Hanahan, SC
Angela Hutcheson, M.D.	2002-2003	M.D. San Francisco, CA
Stefanka Spassieva, Ph.D.	2003-present	Postdoctoral Fellow Med. Univ. of South Carolina
Mazen El Alwani, M.D.	2004-2006	OB/GYN Fellow NewPort News, VA
Lucille Ferrante, M.D.	2005-2006	Director, Huntsville Hospital For Women and Children Huntsville, Alabama
Viviana Anelli, Ph.D.	2005-2007	Postdoctoral Fellow Med. Univ. of South Carolina
Leah Siskind, Ph.D.	2007-present	Postdoctoral Fellow Med. Univ. of South Carolina
Ashley Snider, Ph.D.	2007-present	Postdoctoral Fellow Med. Univ. of South Carolina
Virginia Probin, Ph.D.	2007-present	Postdoctoral Fellow Med. Univ. of South Carolina

### **Medical Students**

<b>Students</b>	<b>Years/Mo. Mentored</b>	<b>Current Position</b>
Tanya Wahl	Duke Medical Student 1 year of research	Residency in Medicine Stanford University
Martha Wadeleigh	Duke Medical Student 1 year of research	Residency in Medicine Duke University

### **Graduate Student Committees**

#### **Primary Advisor/Thesis Advisor**

1999	Jiandi Zhang, Duke University
2000	Namjin Chung, Duke University
2001-2005	Tarek Taha, MSTP, Medical University of South Carolina
2001-2008	Kellie Sims, Graduate Student, Medical University of South Carolina
2004-2007	Heather Greer-Crellin, Graduate Student, Medical University of South Carolina

2004-Present	Christopher Gault, MSTP, Medical University of South Carolina Thomas Mullen, MSTP, Medical University of South Carolina Linda Heffernan, MSTP, Medical University of South Carolina Deanna Baker, MSTP, Medical University of South Carolina
2007-Present	Alexa Orr, Graduate Student, Medical University of South Carolina

### **Graduate Student Committees**

2000-2003	Terra Gibbs, MCBP, Medical University of South Carolina Michelle Hairfield, MCBP, Medical University of South Carolina Jeffrey Jones, MCBP, Medical University of South Carolina Benjamin Pettus, MSTP, Medical University of South Carolina Stewart Knoep, MSTP, Medical University of South Carolina Kevin Becker, MSTP, Medical University of South Carolina
2001-2005	Nicole Redmond, MSTP, Medical University of South Carolina Justin Turner, MCBP, Medical University of South Carolina Lena Heung, MCBP, Medical University of South Carolina John Shea, MCBP, Medical University of South Carolina
2002-2006	David Arrington, MCBP, Medical University of South Carolina Virginia Baker-Probin, MCBP, Medical University of South Carolina Leslie Wooten, MCBP, Medical University of South Carolina
2002-2007	Youssef Zaidan, MSTP, Medical University of South Carolina Brice
2005-2007	Nathan Alderson, MCBP, Medical University of South Carolina
2006-Present	Can Senkal, MCBP, Medical University of South Carolina
2006-Present	Arelis Salas, MCBP, Medical University of South Carolina
2007-Present	Travis McQuiston, MCBP, Medical University of South Carolina
2008-Present	Jessica Ross, Graduate Student, Medical University of South Carolina

### **Sabbaticals**

Miriam Smythe	1 year	Assistant Professor VA Hospital Baltimore, MD
Wendy Boss	6 mo. 1998	Professor of Botany at NC State University
Julnar Usta	10/1999-11/2000	Professor, Biochemistry American University of Beirut

### **Mentor for Junior Faculty**

Cungui Mao	1998-present	Asst. Professor, Medicine/G.I.M. Med. Univ. of South Carolina
Besim Ogretmen	1999-present	Asst. Professor, Biochemistry Med. Univ. of South Carolina
Jacqueline Kraveka	2000-present	Asst. Professor, Pediatrics Med. Univ. of South Carolina
Sergei Novgorodov	2001-present	Asst. Professor, Medicine/G.I.M. Med. Univ. of South Carolina
Kelley Argraves	2002-present	Asst. Professor, Molecular Biology Med. Univ. of South Carolina
Hiroko Hama	2002-present	Asst. Professor, Biochemistry Med. Univ. of South Carolina
Maurizio Del Poeta	2002-present	Asst. Professor, Biochemistry Med. Univ. of South Carolina
Samar Hammad	2003-present	Asst. Professor Department of Med

Tatyana Gudz	2004-present	Med. Univ. of South Carolina Asst. Professor of Biochemistry
Chiara Luberto	2005-present	Med. Univ. of South Carolina Asst. Professor, Biochemistry
L. Ashley Cowart	2005-present	Med. Univ. of South Carolina Asst. Professor of Biochemistry
Toshihikio Kawamori	2005-present	Med. Univ. of South Carolina Asst. Professor of Pathology/Lab Med
Robin Helmrick-Muise	2005-present	Med. Univ. of South Carolina Asst. Professor, HCC
Suniti Misra	2006-present	Med. Univ. of South Carolina Asst. Professor of Cell Biology
David Perry	1998-2006	Med. Univ. of South Carolina Asst. Professor, Biochemistry
Charles Chalfant	1998-2003	Med. Univ. of South Carolina Asst. Professor, Biochemistry
Simhan Nagan	5/1999-6/2000	Med. Univ. of South Carolina Asst. Professor, C.H.R.P.
Korey Johnson	2004-2006	Med. Univ. of South Carolina Research Instructor

**Current laboratory members**

Kathryn Wiita-Fisk	1998-present	Administrative Coordinator I Med. Univ. of South Carolina
Sergei Novgorodov	2002-present	Research Assistant Professor Med. Univ. of South Carolina
Stefanka Spassieva	2003-present	Postdoctoral Fellow Med. Univ. of South Carolina
George O. Washington	2003-present	Lab Manager Ralph Johnson Veterans Affairs
Christopher Gault	2004-Present	MSTP Student Med. Univ. of South Carolina
Tom Mullen	2004-Present	MSTP Student Med. Univ. of South Carolina
Linda Heffernan	2006-Present	MCBP Student Med. Univ. of South Carolina
Leah Siskind	2007-Present	Postdoctoral Fellow Med. Univ. of South Carolina
Ashley Snider	2007-Present	Postdoctoral Fellow Med. Univ. of South Carolina
Virginia Probin	2007-Present	Assistant Professor Charleston Southern University
K. Alexa Orr	2007-Present	Graduate Student Med. Univ. of South Carolina

**Administrative Experience**

1993-1998	Housestaff Selection Committee for the Department of Medicine
1996-1997	Chair, Search Committee for a faculty research position at the Durham VAMC GRECC
1996-1997	Member, Cancer Center, Duke University Medical Center Senior Fellow, Duke University Center for the Study of Aging

1998-2000	Member, Search Committee for Director of Medical University of South Carolina Center for the Study of Aging
1998-2001	Member, Search Committee for faculty for the Department of Biochemistry, MUSC
1999-2002	Member, Search Committee for faculty for the Department of Physiology, MUSC
1999-2003	Member, Internal Research and Sponsored Program Committee, MUSC
1999-present	Apoptosis Program Director, Hollings Cancer Center, MUSC
2000-present	Member, Program Committee, Paul Beeson Physician faculty Scholars in Aging Research Program, American Federation of Aging Research
2001-present	Director, Lipidomics Core, Hollings Cancer Center, MUSC
2001-2002	Member, Search Committee for the Chair of the Department of Psychiatry and Behavioral Sciences, MUSC
2002-2004	Committee Member - College of Medicine, Appointments, Promotions and Tenure, MUSC
2002-present	PI of Cobre Grant: "Center of Lipidomics and Pathobiology"
2002-2009	Committee Member - Office of Diversity, MUSC
2002-present	Associate Director of Medical Science Training, Medical University of South Carolina
2002-present	Associate Director for Biology of Aging, Center for Study of Aging, Medical University of South Carolina
2002-present	Member, MUSC Strategic Plan
2003-2004	Member, Search Committee for Division Director for the Division of Endocrinology, MUSC
2003-present	Steering committee member for the NHLBI Short-term Training Grant for Minority Medical Students MUSC
2004-2005	Member, Search Committee for Chair for the Department of Radiology, MUSC
2004-2005	Member, Search Committee for Division Director of General Internal Medicine/Geriatrics, Department of Medicine, MUSC
2004-2005	Member, Search Committee for Chair for the Department of Radiation Oncology, MUSC
2004-present	Chair, Appointment, Promotion & Tenure Committee, MUSC
2004-present	Scientific Review Committee: Southeast Affiliate American Federation for Aging Research.
2005-present	Advisory Committee, Neuroscience Institute, MUSC
2006-present	Member, Search Committee for the Chair of the Department of Psychiatry and Behavioral Sciences, MUSC
2007-present	Member, Jr. Faculty Mentoring Committee, Department of Medicine, MUSC
2008-present	Member, MUSC Curriculum Vitae Bank Committee

**Invited Speakerships**

March 16, 1995	The Biology of Aging Symposium in the annual scientific sessions of the American Society for Clinical Pharmacology and Therapeutics meeting in San Diego, CA
October 6, 1995	The Importance of In Vitro Aging to In Vivo Aging at the 25 <sup>th</sup> Annual Meeting of the American Aging Association
October 13, 1995	The New Biology Symposium for the 40 <sup>th</sup> Anniversary of

	the Center for the Study of Aging and Human Development at Duke University
June 1, 1996	American Federation for Aging Research's Ninth Annual Grantee Conference in Harriman, New York
June 12, 1996	Receptor Mediated Regulation and Signaling Symposium at the Tenth Quadrennial Congress of the International Society for Endocrinology
August 26-27, 1996	The National University of Athens
September 18, 1996	Symposium on "Second messengers and signal transduction", Pohang University of Science and Technology, Korea
October 22-25 1996	49 <sup>th</sup> Annual MD Anderson Symposium on Fundamental Cancer Research, "Regulatory Mechanisms in Growth and Differentiation"
November, 1996	Geriatric Society of America, Symposium on <i>In Vitro</i> Aging
January 13, 1997	Department of Biochemistry, Bowman Grey School of Medicine
February 12, 1997	Department of Pharmacology, Duke University Medical Center
March 18, 1997	Allegheny University of the Health Sciences, Center for Gerontological Research
April 21, 1997	Department of Biochemistry, East Carolina University
June 2, 1997	Clinical Institute of Research at The University of Montreal, Canada
June 5, 1997	Wayne State University, Institute for Chemical Toxicology
June 22-27, 1977	1997 Gordon Research Conference on Lipid Metabolism
July 7-9, 1997	Elizabeth Arden/Unilever Symposium: Frontiers in Sphingolipid Research, Ogunquit, Maine
October 6, 1997	Biozentrum of the University of Basel, Department of Chemistry, Basel, Switzerland
October 7, 1997	Third International Colloquium on "Cellular signal recognition and transduction", Berlin, Germany
October 8, 1997	Kekulé Institut Für Organische Chemie Und Biochemie, Universität Bonn, Bonn, Germany
November 2-5, 1997	The 1997 Basic Science Symposium "The Sphingolipid Cascade: Basic Mechanisms and Implications", American Society of Nephrology, San Antonio, Texas
January 13-16, 1998	1998 Gordon Research Conference on Glycolipid and Sphingolipid Biology, Ventura, California
January 23, 1998	Department of Biochemistry, Louisiana State University
February 24, 1998	Department of Oncology, Hoffmann-LaRoche, Nutley, New Jersey
May 16, 1998	998 Annual Meeting of American Society for Biochemistry and Molecular Biology, Washington DC.
May 16-19, 1998	1998 Annual Meeting of the Paul B. Beeson Physician Faculty Scholars in Aging Research Program, Scottsdale, Arizona
July 17, 1998	Cell Death Symposium, Queen's College, Flushing, New York.
June 30, 1999	4 <sup>th</sup> World Congress on Inflammation, Paris, France
August 1999	FASEB Summer Conference on Phospholipase D. Saxtons River, VT.
September 1999	Department of Physiology, University of Kentucky
May 2000	Annual Meeting of the Paul B. Beeson Physician Faculty Scholars in Aging Research Program, Colorado Springs, Colorado

May 2000	Gordon Research Conference on Glycolipid and Sphingolipid Biology, Il Ciococo, Italy.
April 2001	Experimental Biology 2001 Meeting, Orlando, FL
May 2001	Annual Meeting of the Paul B. Beeson Physician Faculty Scholars in Aging Research Program, West Palm, FL.
October 2001	Seventh International Meeting on Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Related Diseases, Vanderbilt University, Nashville, TN
January 2002	Gordon Research Conference, Glycolipid & Sphingolipid Biology, Ventura, CA
June 29, 2002	FASEB Summer Research Conference, Tucson, AZ
April 15, 2003	Invited Speaker, University of Iowa
June 3, 2003	Invited Speaker, 2 <sup>nd</sup> Charleston Ceramide Conference, Lake Como, Italy
July 2003	FASEB Summer Research Conference, Snowmass Village, Colorado
July 2004	Gordon Research Conference, Sphingolipid and Glycolipid Biology, Harima, Japan
December 2004	Invited Speaker, Vanderbilt University
March 2005	Neuroscience
September 2005	Invited Speaker, Eicosanoid Conference, San Francisco, CA
January 2006	Invited Speaker, Gordon Research Conference, Ventura, CA
April 2006	Invited Speaker, ASBMB/FASEB San Francisco, CA
July 2006	Invited Speaker, FASEB Summer Research Conference, Saxton River, VT
September 2006	Invited Speaker, John Hopkins
November 2006	Invited Speaker, SAIB Meeting, Lipid Symposium, Buenos Aires, Argentina
February 2007	Invited Speaker, Keystone Symposia, Taos, N.M.
June 2007	Invited Speaker, FASEB, Tucson, AZ
September 2007	Invited Speaker, Eicosanoid Conference, Montreal, Canada
November 2007	Invited Speaker, Sphingolipid Club, Bilbao, Spain
February 2008	Invited Speaker, Gordon Research Conference, Italy
July 2008	Invited Speaker, FASEB Summer Research Conference, New Haven, CT
October 2008	Invited Speaker, Southeastern Pharmacology Society, MUSC, Charleston, SC.
November 2008	Invited Speaker, Department of Medicine MUSC, Charleston, SC
November 2008	Invited Speaker, Tulane Center for Aging and Department of Biochemistry, Tulane University School of Medicine, New Orleans, LA
December 2008	Invited Speaker, Department of Pathology and Laboratory Medicine, MUSC, Charleston, SC
May 5, 2009	Invited Speaker, Frontier in Pharmacology Seminar University of Wisconsin, Madison, WI
June 28 2009	Invited Speaker, FASEB Summer Research Conference, Carefree, AZ
September 9, 2009	Invited Speaker, FEBS Advanced Course, Ortona, Italy
November 18, 2009	4th Barossa Meeting, Barossa Valley, South Australia

### **Meeting Organizer**

1996  
2002  
2001,2003, 2005, 2007, 2009  
2007  
2008  
2008  
2010  
2010

31<sup>st</sup> Southeastern Regional Lipid Conference, Cashiers, NC  
American Federation of Aging Research (AFAR) - Beeson Annual Meeting, Seattle, Washington  
Charleston Ceramide Conference, Charleston, SC  
Vice Chair, Gordon Research Conferences  
Member of European Sphingolipid Club (Organizing Committee)  
Hollings Cancer Center, MUSC, Director, Sphingolipid Program  
Gordon Research Conference, Ventura, CA  
FASEB, Steamboat Springs, CO

### **Manuscript Editor**

2001 - present  
2002 - present  
2005 - present  
2006 - present

Editorial Board Member, Biochemical Journal  
Editorial Board Member, FASEB  
Editorial Board Member, ASBMB  
Editorial Board Member, JBC

### **Manuscript Reviewer**

Journal of Biological Chemistry  
Molecular Pharmacology  
Lipids  
Cell Growth and Differentiation  
Analytical Biochemistry  
Journal of Neurochemistry  
American Journal of Pathology  
Oncogene  
Experimental Cell Research  
Nutrition and Cancer

### **Grant Reviewer**

1999 - present  
1999 - present  
1999 - present  
2003 - present  
2003 - 2006  
2000 - 2002  
2004  
2007-present  
2008-present

Veteran's Administration (Ad hoc reviewer)  
American Federation of Aging Research (Beeson)  
M.U.S.C. University Research Committee  
American Federation of Aging Research (Atlanta Affiliate)  
NIH: Permanent Member of Physiological Chemistry  
NIH: Permanent Member of Medical Biochemistry  
National Cancer Institute (NCI)  
-Special Panel for PPG (1999 - 2000)  
-Special Panel for RFA CA00-002 (2000 )  
National Science Foundation: MCB-Metabolic Biochemistry  
Reviewer, MUSC Institutional K12 Multidisciplinary  
Scholars Program in Clinical & Translational Science  
NIH: Member of Special Topics in Biological Sciences

### **Publications**

1. Jordan, J.M., **Obeid, L.M.**, and Allen, N.B.( 1986) Isolated Atlantoaxial Subluxation as the Presenting Manifestation of Inflammatory Bowel Disease. *Am. J. Med.* 80, 517-520.
2. **Obeid, L.M.**, Okazaki, T., Karolak, L. and Hannun, Y. (1990) Transcriptional Regulation of Protein Kinase C by 1,25Dihydroxyvitamin D<sub>3</sub> in HL-60 Cells. *J. Biol. Chem.* 265, 2370-2374.

3. Kim, M-Y., Linardic, C., **Obeid, L.M.**, and Hannun, Y.A. (1991) Identification of Sphingomyelin Turnover as an Effector Mechanism for the Action of TNF  $\alpha$  and  $\gamma$  Interferon; Specific Role in Cell Differentiation. *J. Biol. Chem.* 266, 484-489.
4. Raymond, J.R., Albers, F.J., Middleton, J.P., Lefkowitz, R.J., Caron, M.G., **Obeid, L.M.**, and Dennis, V.W. (1991) 5-HT<sub>1A</sub> and Histamine H<sub>1</sub> Receptors in HeLa Cells Stimulate Phosphatidylinositol Hydrolysis and Phosphate Uptake via Distinct G Protein Pools. *J. Biol. Chem.* 266, 372-379.
5. **Obeid, L.M.**, Blobbe, G.C., Karolak, L.A., and Hannun, Y.A. (1992) Cloning and Characterization of the Major Promoter of the Human Protein Kinase C  $\beta$  Gene: Regulation by Phorbol esters. *J. Biol. Chem.* 267, 20804-20810.
6. Blobbe, G.C., Sachs, C.W., Khan, W.A., Fabbro, D., Stabel, S., Wetsel, W., **Obeid, L.M.**, Fine, R., and Hannun, Y.A. (1992) Selective Regulation of Expression of Protein Kinase C Isoenzymes in Multidrug Resistant MCF-7 Cells: Functional Significance of Enhanced Expression of PKC  $\alpha$ . *J. Biol. Chem.* 268, 658-664.
7. **Obeid, L.M.**, Linardic, C.M., Karolak, L., and Hannun, Y.A. (1993) Programmed Cell Death Induced by Ceramide. *SCIENCE* 259, 1769-1771.
8. Hannun, Y.A. **Obeid, L.M.**, and Wolff, R.A. (1993) The Novel Second Messenger Ceramide: Identification Mechanism of Action and Cellular Activity. Chapter in *Advances in Lipid Research*, R.M. Bell, A.H. Merrill, and Y.A. Hannun, Eds. (Academic Press, New York) V. 25, pp. 43-64.
9. Blobbe, G.C., Khan, W.A., Halpern, A.E., **Obeid, L.M.**, and Hannun, Y.A. (1993) Selective Regulation of Expression of Protein Kinase C  $\beta$  Isoenzymes Occurs via Alternative Splicing. *J. Biol. Chem.* 268, 10627-10635.
10. Dbaibo, G., **Obeid, L.M.**, and Hannun, Y.A. (1993) Tumor Necrosis Factor- $\alpha$  (TNF- $\alpha$ ) Signal Transduction through Ceramide. *J. Biol. Chem.* 268, 17762-17766.
11. Bielawska, A., Crane, H.M., Liotta, D., **Obeid, L.M.**, and Hannun, Y.A. (1993) Selectivity of Ceramide-Mediated Biology: Lack of Activity of Erythro-dihydroceramide. *J. Biol. Chem.* 268, 26226-26232.
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