

CURRICULUM VITAE

PERSONAL:

Name: James Lorenzen Boyer

Office Address: Department of Medicine, Yale University
School of Medicine, 333 Cedar Street, Room 1080 LMP
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Home Address: 65 Laurel Road, Hamden, CT 06517

Home Telephone: (203) 624-7014

Born: New York, New York, August 28, 1936

Married: Phoebe Bennet Boyer, February 23, 1963

Children: Phoebe Christine, 1/18/67;
Anna Birch, 6/20/68

EDUCATION:

The Johns Hopkins University, School of Medicine	1958-1962
Haverford College, Haverford, Pennsylvania	1954-1958
The Sidwell Friends School, Washington, D.C.	1947-1954

POSTDOCTORAL TRAINING:

Division Clinical Pharmacology, Dept. Medicine University Zurich - Sabbatical Leave	1990-1991
Lab Cell Biology, HBLI, NIH - Sabbatical Leave	1976-1977
Postdoctoral Fellow, Liver Study Unit, Department of Medicine, Yale-New-Haven Hospital	1967-1969
3rd year resident, Yale New Haven Hospital	1966-1967
2nd Year Assistant Resident, Medicine, New York Hospital	1963-1964
Intern in Medicine, New York Hospital	1962-1963

MILITARY SERVICE:

USPHS, National Institutes of Health Office of International Research Assigned to the Johns Hopkins University International Center for Medical Research and Training, Calcutta, India	1964-1966
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APPOINTMENTS:

Chair, Board of Directors, American Liver Foundation	2004-2008
Vice Chair, Scientific Affairs, American Liver Foundation	2002-2004
Chair-elect, Board of Directors, American Liver Foundation	2003-2004
Chairman, Mount Desert Island Biological Laboratory, Board of Trustees	1995- 2003; 2011-2013
Director NIEHS MFBS Center for Membrane Toxicity Studies (MDIBL)	1992-2010
Founder and Director, Yale Liver Research Center (NIH)	1984-2009
Chief, Division of Digestive Diseases, Yale University School of Medicine	1982-1996
Professor of Medicine, Yale University School of Medicine	1978-
Director, Liver Study Unit, Yale University School of Medicine	1978- 1982
Professor of Medicine, University of Chicago and Pritzker School of Medicine	1976-1978
Director, Liver Study Unit, University of Chicago and Pritzker School of Medicine	1972-1978
Associate Professor of Medicine, University of Chicago and Pritzker School of Medicine	1972-1976
Attending Physician, Yale-New Haven Hospital and West Haven VA Hospital	1969-1972;1978-
Assistant Professor of Medicine, Yale University School of Medicine	1969-1972
Head, Liver Research Laboratory, Johns Hopkins University International Center for Medical Research and Training, Calcutta, India	1964-1966

HONORS AND AWARDS:

Smith, Kline and French Foreign Fellowship Award	1961
Recipient - NIH Career Development Award in Digestive Diseases	1974-1979
American Society for Clinical Investigation	1975
Josiah Macy Faculty Scholar Award	1976-1977
Association of American Physicians	1980
Adolf-Windaus Prize	1988
Distinguished Achievement Award - American Gastroenterology Assoc	1989
NIH MERIT Award	1990-1998
Ismar-Boas Medal - German Society of Gastroenterology and Metabolism	1996
Ensign Professorship, Yale University	1996-
Distinguished Achievement Award – American Association for the Study Liver Diseases, annual meeting, Chicago	1998
Distinguished Scientific Achievement Award, American Liver Foundation	1999
Best Doctors in America	2009-2018
NIH MERIT Award	2008-2018
Spinoza Chair – 2009; University of Amsterdam, the Netherlands	2009
Honorary Board Member–Connecticut Division, American Liver Fnd.	2009-

Honorary Board Member – Mt. Desert Island Biological Laboratory 2014-
Johns Hopkins Society of Scholars 2016

SOCIETIES:

The American Federation for Clinical Research
The American Association for the Study of Liver Diseases
Diplomate -American Board of Internal Medicine
Eastern Gut Club: Midwest Gut Club
Fellow, American College of Physicians
American Gastroenterological Association
Central Society for Clinical Research
International Association for the Study of Liver Diseases
American Society for Clinical Investigation
Association of American Physicians
Interurban Club
American Clinical and Climatological Association

NATIONAL COMMITTEES AND EDITORIAL BOARDS:

Editorial Board - Gastroenterology (1975-1980; 2004-2014)
Editorial Board - Viewpoints on Digestive Diseases (1974-1979)
Editorial Board - Clinical Research (1975-1980)
Steering Committee - Midwestern Gut Club (1973-1976)
Steering Committee - Gastroenterology Research Group (1974-1979)
Councilor - American Association for the Study of Liver Diseases (1975-1977)
Vice President - American Association for the Study of Liver Diseases (1978-1979)
President - American Association for the Study of Liver Diseases (1979-1980)
Secretary/Treasurer - American Liver Foundation (1977-1980)
Nominating Committee - American Gastroenterology Association (1977 and 1986)
Research Committee - American Gastroenterology Association (1978-1981)
Advisory Committee - Veterans Administration Hepatitis in Dentists Survey (1978-1981)
Advisory Committee - National Gallstone Study (1978-1981)
Editorial Committee - Annals of Internal Medicine (1979-1982)
Associate Editor - Hepatology (1980-1985)
Senior Associate Editor – Hepatology (2011- 2016)
Board Member - American Liver Foundation (1977-1985; 2002- 2008)
Chair, Board of Directors, American Liver Foundtion (2004-2008)
Chairman, Nominating Committee - American Association for the Study of Liver Diseases (1981)
Advisory Board Liver Research Center, University of California, at San Francisco (1981-2000); Chairman (1985-2000)
Editorial Board Member - Journal of Clinical Investigation (1981-1986)
Deputy Chairman - National Digestive Diseases Advisory Board (1981-1984)
Board Member - Mount Desert Island Biological Laboratory (1982-1992; 1994-2013)
Chair, Board of Directors, Mt Desert Island Biological Laboratory (1995-2003)
Vice President - International Association for the Study of the Liver (1982-1984);
President-elect (1986-1988); President (1988-1990)
Councilor - American Gastroenterology Association (1983-1986)
Vice Chairman - Policy Committee, NIH Liver Transplantation Data Base (1985-1989).

NIADDK Advisory Council, Member, (1985 - 1989).
 Member - Research Advisory Committee, Mount Desert Island Biological Laboratory, Salsbury Cove, Maine (1986-1990)
 Member - Nominations Committee, AASLD (1986-1987)
 Editorial Board, American Journal of Physiology: Gastrointestinal and Liver Physiology - GI Section (1986-1994; 2003-2009)
 Member - American Gastroenterology Association Industry Scholar Awards Committee (1984-1988; and Chairman 1986-1990)
 Member - Beaumont Prize Committee (1987 and 1993)
 Member - Hans Popper Prize Award Committee (1988 - 2008)
 Advisory Board - Gastro. International (1989 - 1993)
 Advisory Board - Gastroenterologia Japonica (1989-1993)
 Chairman - Search Committee for Director of Mt. Desert Island Biological Laboratory (1991-1992)
 Co-Editor (with Dr. Robert Ockner) - Progress in Liver Disease (1991-1997)
 Associate Editor - The Liver; Biology and Pathobiology (1992-)
 Editorial Board - Current Opinion in Gastroenterology (1991-)
 Editorial Board - J Gastroenterology (Japan) (1994 -1997)
 Editorial Board - Hepatology (1994-2001)
 Associate Editor - Journal of Hepatology (1994 - 1999)
 Founding Editor for "Hepatology Highlights" – Hepatology (1999-2001)
 Chairperson, NIH Consensus Development Panel on Management of Hepatitis C (2002)
 Member, Center for Scientific Review Advisory Committee (2002)
 Ad Hoc Member, Hepatobiliary Pathophysiology Study Section (2003-2005)
 Editorial Board - Gastroenterology (2004-2014)
 Editorial Board - BMC Physiology - (2005-)
 Editorial Board – Hepatobiliary & Pancreatic Diseases International (2006-)
 Co-Chair (with Edward Benz) – Search Committee for Scientific Director, MDIBL (2007-2008)
 Chair, Nominating Committee, Mt Desert Island Biological Laboratory, (2007-2011)
 Member, Board of Managers, Haverford College (2009-)
 Editorial Board – *Liver Health Today* (2010-)
 Senior Associate Editor, Hepatology (2011- 2016)
 Chair, Board of Directors, Mt Desert Island Biological Laboratory (2011-2013)
 Member, SAVE JON Scientific, Clinical, and Engineering Advisory Panel.(2014-

DEPARTMENTAL COMMITTEES:

(University of Chicago):

1. Executive Committee (1974-1978)
2. Intern Selection Committee (1972-1978)
3. Department of Medicine Internal Review Committee (1976)
4. Neurology Section Review Committee (1973)
5. Clinical Research Center Advisory Committee (1978)

(Yale University):

1. Executive Committee, Department of Medicine (1979-1985; 1986 - 1989)
2. Provost's Committee on Fringe Benefits (1979-1980)
3. Research Facilities Committee - Yale-New Haven Hospital (1981)

4. Search Committee Chief of Staff - Yale-New Haven Hospital (1982)
5. Medical School Appointment and Promotion Committee (1981 - 1984)
6. Part-time faculty Appointment and Promotion Committee (1981-2000)
7. Department of Medicine Appointment and Promotion Committee (1981 -1990)
8. Search Committee for Chairman, Department of Surgery (1984 - 1985)
9. Oncology Section Review Committee - Chairman (1986-1987)
10. Faculty Retirement Committee (1986-1987)
11. Department of Medicine Space Committee (1987)
12. Task Force on Tenured Women Faculty - Chairman (1988)
13. Biological Sciences Advisory Committee (1991-1992)
14. Deans Committee to review department Cellular and Molecular Physiology - Chairman (1992)
15. Dept. of Medicine - Budget Committee (1993-1994)
16. Search Committee, Chair for Department of Cellular & Molecular Physiology (1993-1994)
17. Department of Medicine – Committee to evaluate the Department of Medicine’s Clinical Practice (1994)
18. Department of Medicine - Clinical Education Committee (1993-1994)
19. Medical School Council (1994-1996)
20. Dean's Committee to Assess the Boyer Center (1994-1995)
21. Biological Sciences Advisory Committee (1995-1996)
22. Yale Medical School Senior Appointments and Promotion Committee (2009-2012)

VISITING PROFESSORSHIPS & INVITED LECTURESHIPS:

1. University of California, San Francisco, March 18-20, 1976
2. Cornell Medical Center, New York Hospital, March 30, 1977
3. UCLA, Wadsworth, Los Angeles, March 13-15, 1978
4. University of Connecticut, April 3-5, 1978
5. Duke University, April 6-7, 1978
6. University of Kentucky, Lexington, Kentucky, November 16-17, 1978
7. Harvard University, Peter Bent Brigham Hospital, Beth Israel Hospital, Children's Hospital, April 4-6, 1979
8. Mayo Clinic, Rochester, Minnesota, April 18-20, 1979
9. University of Toronto, December 9-10, 1979
10. SUNY, Buffalo, Departments of Physiology and Medicine, February 12-13, 1981
11. University of Minnesota, Department of Medicine, April 16-17, 1981
12. University of Cincinnati, 2nd Annual E. Schiff Lecturer, May 12-14, 1982
13. University of Pittsburgh, Montefiore Hospital, June 2-3, 1982
14. University of Colorado, September 22-24, 1982
15. University of Vienna, December 9-10, 1983
16. University of Seattle, Wade Volwiler Visiting Professor, October 3-6, 1984
17. Commonwealth University, Richmond, Virginia, December 6-7, 1984
18. University of Illinois, 1st Annual Steven Winter Memorial Lecturer, February 20-21, 1985
19. SUNY, Downstate Medical Center, Arlene Goldwitz Memorial Lecturer in Digestive Diseases, September 5, 1985
20. Queen Elizabeth Postgraduate Medical Center, Birmingham, England, Special Guest Lecturer, September 14, 1985
21. University of Michigan, September 26-27, 1985
22. University of Iowa, Dedication Ceremony for New Digestive Disease Center, November 1985
23. New Jersey Medical School, January 10, 1986

24. College of Physicians and Surgeons, Columbia University January 27 & 26, 1986
25. Jefferson University School of Medicine, February 26, 1986
26. University of Kansas School of Medicine, March 11-12, 1986
27. Boston University School of Medicine, February 26, 1986
28. Brown University, Tenth Annual Alden Blackman Memorial Lecturer, February 17, 1987
29. University of Chicago, Department of Medicine and GI Division, September 29-30, 1987
30. Northwestern University, GI Division, December 9-10, 1987
31. University of Texas, Houston, April 11-12, 1988
32. Vanderbilt University, GI Division and Department of Medicine, Harrison Shull Visiting Professor, December 1-2, 1988
33. Cornell University School of Medicine, Department of Medicine, Pat Ardon Visiting Professorship, December 21-22, 1988
34. Albert Einstein School of Medicine, GI Division and Liver Center, February 8, 1989
35. University of Maryland School of Medicine, March 28, 29, 1989
36. Bushell Lecturer, Australian Gastroenterology Association, April 28, 1989, Perth, Australia (14 additional lectures in 5 cities, April 24-May 12)
37. AGA - Distinguished Achievement Award Lecture, Washington, D.C., "What makes bile flow", May 15, 1989
38. Symposium to honor J.B. Kirsner, "Vanishing bile duct syndrome: future directions", October 7, 1989
39. UCLA - Division of Gastroenterology, "Pathophysiology of cholestasis", January 5, 1990; "Bile duct epithelial cells isolation and pH regulation", January 6, 1990
40. Emory University School of Medicine - Department of Physiology, "Bile duct epithelial cells - isolation and pH regulation", April 26, 1990
41. Harvard University – MGH, Gastroenterology Division - "Pathophysiology of Cholestasis", May 29, 1990
42. University of Munich, "Current concepts of the pathophysiology of cholestasis", November 22, 1990
43. University of Padova, Institute of Internal Medicine, Grand rounds, "Pathophysiology and treatment of cholestatic disorders", January 31, 1991
44. University of Padova, "Physiology of bile secretion", February 1, 1991
45. Department of Clinical Pharmacology, University of Berne, "Transcytotic vesicular pathway in hepatocytes", March 1, 1991
46. University of Erlangen-Nuremberg, Germany, "Pathophysiology of cholestasis", March 11, 1991
47. Department of Clinical Pharmacology, University of Berne, "Bile duct epithelial cell function: A new frontier in biliary physiology", April 5, 1991
48. Hospital Clinic of the Province of Barcelona, "Pathophysiology of chronic cholestatic liver disease", April 25, 1991
49. University of Leuven, Belgium, "Etiology and pathogenesis of cholestasis", May 20, 1991
50. University of Ancona, Italy, "The role of transcytotic vesicle pathway and bile secretion", May 30, 1991
51. University of Ancona, Italy, "Diagnosis and treatment of chronic cholestatic liver disease", May 31, 1991
52. Washington University, St. Louis, "Cellular and molecular mechanisms of bile acid transport", 1992
53. Washington University, St. Louis, GI Grand Rounds, "Primary biliary cirrhosis", 1992
54. University of Connecticut, "Cholestatic liver disease", April 22, 1992
55. University of Rome, "Primary biliary cirrhosis - a chronic cholestatic paradigm", June 1, 1992

56. University of Puerto Rico, Sifre Memorial Lecture, "Cholestatic liver disease-An update on diagnosis and management", December 5, 1992
57. University of Puerto Rico, Medical Grand Rounds, University Hospital "Primary biliary cirrhosis - A paradigm of chronic cholestatic liver disease", December 6, 1992
58. University of Puerto Rico, Medical Grand Rounds, Veterans Administration Hospital – “Unusual forms of portal hypertension”, December 7, 1992
59. Loyola University-Stritz School of Medicine, "Cellular and molecular aspects of bile acid transport", and "Diagnosis and management of cholestasis", January 27, 1993
60. Texas A&M University Health Science Center, Ninth J. Arnold Bargaen Visiting Professorship, "Overview of the mechanisms of bile secretion", also "Hepatocyte couplets" also Medical Grand Rounds "Non-cirrhotic portal hypertension", February 12, 1993
61. University of Michigan Medical Center, "Cellular and molecular mechanisms of hepatic bile acid transport", April 1, 1993
62. Medical College of Virginia, "Molecular aspects of bile acid transport", April 19, 1993
63. IASL Hans Popper Memorial Lecture, Cancun, Mexico, "Vesicle Transport, What the Traffic will Bear", May 23, 1994
64. Harvard University, Beth Israel Hospital, Louis Zetzel Visiting Professor, Grand Rounds, "Primary Biliary Cirrhosis - A cholestatic paradigm"; Research Seminar, "Cellular and Molecular Mechanisms of Bile Acid Transport"; Clinical Lecture, "Chronic Active Hepatitis", October 19-20, 1994
65. Mayo Clinic, Dept. Physiology, "Cellular & Molecular Biology of Bile Acid Transport", January 16, 1995
66. Boston University, 1996 Philip Kramer Lecturer; Grand Rounds, "Chronic Cholestatic Liver Disease"; Research Presentation "Bile Duct Epithelium - The Frontier of Bile Secretory Physiology", March 14, 1996
67. 51st Annual Meeting of the German Society of Gastroenterology and Metabolism (Ismar-Boas Medal Lecture), Aachen, Germany, "Molecular Mechanisms of Cholestasis", September 20, 1996
68. University Hospital Groningen, The Netherlands, “Regulation of canalicular transport by vesicular targeting”, September 23, 1996
69. International Congress on Hepatocytes - Applications in Cell Biology, Toxicology and Medicine, Tubingen, Germany, "Isolated Hepatocyte Couplets and Bile Duct Units - models for the study of bile secretory function", September 26, 1996
70. Guy’s Hospital/St Thomas Hospital, “Molecular mechanisms of cholestasis”, April 8, 1997
71. First International Symposium on Hepatology (Beijing, China), “Pathophysiology of intrahepatic cholestasis”, August 13, 1997
72. XXVIII Congreso Argentino de Gastroenterología, Rosario, Argentina, “Advances and treatment of chronic cholestasis”, September 22, 1997
73. American Clinical and Climatological Association, Williamsburg, VA., “Fish stories: 100 Years at Mt. Desert Island Biological Laboratory (MDIBL)”, October 20, 1997
74. Johns Hopkins University School of Medicine, Baltimore, MD, “Cellular and molecular pathophysiology of cholestasis”, March 19, 1998
75. National Institutes for Environmental Sciences, Research Triangle Park, North Carolina, “Unique cold water marine models for environmental health research”, April 22, 1998
76. Conference on Mechanisms of Transport in Kidney, Liver, Intestine and Blood Brain Barrier, NIEHS, Research Triangle Park, “Cellular and Molecular Biology of Xenobiotic Transport in the Liver”, August 24-25, 1998
77. XV International Bile Acid Meeting, Bile Acids and Cholestasis, Titisee, “The effects of

- cholestasis on the cellular and molecular expression of hepatic bile salt transporters”, October 12-13, 1998
78. University of Arkansas Grand Rounds, Little Rock, Arkansas, “Primary biliary cirrhosis”, and Dept. of Physiology Conference, “Cellular and molecular mechanisms of cholestasis”, October 21, 1998
 79. UCLA Division of Digestive Diseases, Axcan-Schwarz Visiting Professor, "Primary Biliary Cirrhosis, a prototypic cholestatic disorder", December 9-11, 1998
 80. Allegheny University of Health Sciences, Visiting Professorship, "Advances in the Diagnosis and Management of Chronic Cholestatic Disorders"; "Molecular Pathogenesis of Cholestasis", December 16, 1998
 81. Medical Grand Rounds, Lankenau Medical Center, Wynnewood, PA, “Progress and Management of Chronic Cholestasis”, February 5, 1999
 82. Medical Grand Rounds, Penn State University, “Primary Biliary Cirrhosis - a Prototype Chronic Cholestatic Liver Disease”, March 1-3, 1999
 83. University of Colorado’s “Irwin Vinnik Memorial Lectureship,”
 - 1) Molecular Pathogenesis of Cholestasis, Grand Rounds at University of Colorado
 - 2) Primary Biliary Cirrhosis (Rose Medical Center), March 23, 1999
 84. Falk Workshop “Bile Acids in Hepatobiliary Disease”, London, The Royal Institution “Role of Bile Acid in Bile Secretion”, March 29-30, 1999
 85. Norman Tanner Lecture, St. George’s Gastroenterology teaching day, London, “Molecular Pathogenesis of Cholestasis”, March 31, 1999
 86. GI Grand Rounds, Duke University, “Cellular and Molecular Pathophysiology of Cholestasis”, April, 1999
 87. State of art lecture - AGA. Orlando, FL, “Landmark Events in Hepatology During the 20th Century”, May 18, 1999
 88. Univ of Massachusetts, Medical Grand Rounds,
 - 1) “Diagnosis and Management of Chronic Cholestasis”
 - 2) GI Club - “Molecular Pathogenesis of Cholestasis”, June 2, 1999
 89. GI Grand Rounds at New York Hospital Medical Center of Queens, “Cellular and Molecular Pathophysiology of Cholestasis”, September 8, 1999
 90. Biliary Club (Italian), Sabaudia, Italy, “Adaptive regulation of bile salt transporters and cholangiocytes in kidney”, September 10-11, 1999
 91. XV Congress of International Federation of Associations of Anatomists, Rome, (Symposium on “Modern opinions on liver morphology and bile secretion as to pathology”), “Structural and functional determinants of bile secretion”, September 13, 1999
 92. 11th International Congress of Liver Diseases, President, J.L. Boyer, Introduction to Symposium and presentation of Hans Popper prize to Michael Houghton, “Liver cirrhosis and its development”, October 21-24, 1999
 93. AASLD Postgraduate Course, “Molecular mechanisms of cholestasis”, November, 1999
 94. Second International Symposium on Hepatology, Beijing, Falk Symposium - Cholestatic liver diseases – pathogenesis to treatment, “Molecular Basis of Intrahepatic Cholestasis”, December 7, 1999
 95. Parma, Italy, Symposium on cholestasis for molecular biology and liver transplantation, “Pathophysiology of cholestasis”, December 9-10, 1999
 96. Visiting Professor at Northwestern University School of Medicine, Chicago, Medical Grand Rounds, “The ABCs of cholestatic liver disease”, February 18, 2000
 97. Mid Hudson Gut Club, “Diagnosis and Management of Chronic Cholestasis”, March 8, 2000
 98. Hepatology 2000 (Symposium in honor of Gustav Paumgartner), Munich, “Adaptive responses in

- bile salt transport proteins and cholangiocytes in kidney in a rat model of obstructive cholestasis”, May 4-6, 2000
99. University of Graz, Visiting Professor, CPC, “31 year-old woman with abdominal pain, jaundice, and increasing abdominal girth”; Grand Rounds, “Cholestasis: From bedside to bench and back again”; Research presentation, “Evidence for P-glycoprotein structure and function in rat bile duct epithelial cells”, May 8, 2000
 100. Hepatitis C and primary care, Waterbury, CT, “The natural history of HCV”, May 10, 2000
 101. Axcan-Scandipharm Consultant Forum IV, “Mechanism of action of ursodeoxycholic acid”, May 19, 2000
 102. Medical Grand Rounds, Yale University School of Medicine, “Chronic hepatitis C”, June 1, 2000
 103. International Association for the Study of the Liver, Fukuoka, Japan, “Adaptive responses in bile salt transport proteins in cholangiocytes and kidney in a rat model of obstructive cholestasis”, June 6, 2000
 104. Monday Morning Transport Seminar, “Adaptive regulation of ABC Transporters in the Liver and Kidney”, July 10, 2000
 105. Xenobiotic and Drug Transporters in Human Health and Disease Symposium, MDIBL, “Characterization and functional expression of an ancient bile salt export pump in the liver of the marine skate”, July 13, 2000
 106. Den Haag, The Netherlands, Falk Symposium #120, “Bile Acids in Health and Disease, Molecular characterization and functional expression of the primitive bile salt export pump in the the marine elasmobranch”, October 13, 2000
 107. Drug induced liver injury: Mechanism of test systems, NIH, “Drug induced transporter function injury”, October 18, 2000
 108. Early Morning Workshop, “Cholestatic mechanisms”, October 30, 2000
 109. Early Morning Workshop, AASLD, “Molecular defects in cholestasis”, October 31, 2000
 110. Chilean Society of Gastroenterology, Pucon, Chile,
 1. “Molecular biology of cholestasis”
 2. “Diagnosis and management of chronic cholestatic liver disease”
 3. “Diagnosis and treatment of primary biliary cirrhosis”, November 30-December 1, 2000
 111. Physician Associate Program at Yale University, “Physiology of the liver”, January 4, 2001
 112. Aachen, Germany, Falk Workshop, Hepatobiliary Transport: From bench to bedside, “Molecular pathogenesis of cholestasis”, January 26, 2001
 113. Albert Einstein College of Medicine, Liver Center, “Adaptive regulation of transporters in cholestasis”, April 18, 2001
 114. Tufts University School of Medicine, New England Medical Center, “Adaptive regulation of transporters in cholestasis”, May 3, 2001
 115. Axcan Scandipharm Consultants Forum V, “Mechanisms of hepatic fibrosis”, May 18, 2001
 116. CuraGen Corp., “Molecular mechanisms of cholestasis”, May 29, 2001
 117. Montreal XIXth Annual Symposium of the Membrane Transport Research Group-Ion transport in liver and kidney molecular determinants of diseases, “Hepatic organic solute transporters: their role in health and disease”, June 5, 2001
 118. AASLD 2001 Basic Research Single Topic Conference-The pathobiology of biliary epithelia. Arlie House Arlie, VA., “Hormonal regulation of cholangiocyte secretion; studies in isolated rat and mouse bile duct units”, June 7, 2001
 119. World Congress of Gastroenterology, “Molecular mechanisms of cholestasis” and “Cholestasis in Pregnancy”, February 24 – March 1, 2002
 120. Univ of Alabama, Div. Gastroenterology and Hepatology - Medical Grand Rounds, “Diagnosis

- and Treatment of Chronic Cholestasis” and GI Grand Rounds “Molecular Basis for Cholestasis”, March 19-21, 2002
121. Monte Verita 2002:ABC Cassette Proteins in Epithelial Physiology, Zurich, Switzerland, “Molecular regulation of ABC transporters in liver and kidney in cholestasis”, April 22-26, 2002
 122. Falk Symposium – XVII International Bile Acid Meeting and Workshop – Bile Acids: From Genomics to Disease and Therapy, Freiburg, Germany, “The role of nuclear receptors in the regulation of transporters in cholestatic liver injury”, May 28 – June 2, 2002
 123. NIH Consensus Development Conference on Management of Hepatitis C: 2002, Washington, DC, Panel Chairman, June 10-12, 2002
 124. BASL British Association for the Study of the Liver –British Trust Lecture, Newcastle, England, “Notes from a Bile-ologist”, September 9-12, 2002
 125. GI Grand Rounds, Jefferson Medical College, Division of Gastroenterology, Philadelphia, PA, “PBC”, October 2-3, 2002
 126. AASLD Postgraduate Course, “Molecular Mechanisms of Bile Formation and Cholestasis”, November 1, 2002
 127. AASLD meeting, “Summary of NIH HCV Consensus Conference”
 128. University of Southern California, “Molecular Mechanisms of Cholestasis”, November 14, 2002
 129. University of Southern California, Grandrounds, “Hepatitis C and the NIH Consensus Conference”, November 15, 2002
 130. Royal Brisbane Hospital, University of Queensland, Medical Grandrounds, Brisbane Australia “The changing face of houses staff education in the United States-Implications for Australia”, March 24, 2003
 131. Royal Brisbane Hospital, Symposium on Jaundice for Physician, Surgeon and Obstetricain, Brisbane, Australia, “Postoperative Jaundice” and “Obstretric Cholestasis”, March 24, 2003
 132. Department of Physiology, Mahihdol University, “The ABC’s of Bile Salt Transport”, March 27, 2003
 133. Indian Association for the Study of the Liver, Inagural Address, “Mechanisms and treatment of Cholestasis” and “HCV- uncertainties of treatment”, March 28-30, 2003
 134. 5th International Malpiighi Symposium, Rome, “Cholangiocyte Pathophysiology – An Overview”, September 11-13, 2003
 135. New York University GI grand Rounds “Primary Biliary Cirrhosis” September 23, 2003
 136. Brazilian Liver Association Annual Meeting, Recife, “Current Treatment of Hepatitis C- the NIH Consensus”; and “Primary Biliary Cirrhosis – a prototypical Chronic Cholestatic Vanishiing Bile Duct Disorder”, October 1-18, 2003
 137. Brown University, Rhode Island Hospital, “Adaptive Regulation of Bile Salt Transporters”; and “Cholestasis, Mechanisms and Management”, December 3-4, 2003
 138. International Association for the Study of the Liver. Salvador, Brazil Marach 16-20,2004; “Saftey and Efficacy of long term medical therapy in chronic autoimmune hepatis type 1”
 139. AGA, New Orleans, MAY 17, 2004. Session 929, Nuclear Receptors and Transporters in Cholestasis. “MRP expression – an adaptive response to cholestasis”.
 140. XVIII – International Bile acid Meeting. Bile acid Biology and its therapeutic implications. Stockholm, Sweden, June 18-19, 2004. “Adaptive regulation of bile salt transporters – the role of MRPs”
 141. AASLD single topic conference: Intrahepatic Cholestasis. Atlanta, GA, Sept 9-11, 2004. “Composition and Function of Bile Canaliculus”
 142. Gastroenterology Week, Freiburg, Oct 17, 2004 .Falk Sympsia # 144: Gastroenterology Yesterday-Today-Tomorrow: A Review and Preview. “Adaptive response of bile salt transporters in cholestasis”.

143. AASLD Focus Study Group; Enzymes (CYPs) and Liver Disease. Boston, MA Nov 1, 2004. "Nuclear Receptors, Biliary Transporters and Cholestatic Disorders".
144. Albert Einstein College of Medicine: Liver Research Center Seminar. Dec 1, 2004; "Mechanisms of adaptive regulation of bile salt transporters in cholestasis"
145. Duke University. Durham, NC Feb 11, 2005. Integrated Toxicology Program Seminar Series. "Hepatic Transporters – from Elasmobranchs to Man"
146. Yale Digestive Diseases Reunion Weekend and Scientific Symposium. April 2, 2005; "Historical/Perspective Comments".
147. September 9, 2004. "Composition and Function of the Bile Canaliculus", AASLD Single Topic Conference-Intrahepatic Cholestasis, Atlanta, GA.
148. October 17, 2004. "Adaptive Response of Bile Salt Transporters in Cholestasis", Falk Symposium 144, Gastroenterology Yesterday-Today-Tomorrow: A Review and Preview, Freiburg, Germany.
149. November 1, 2004. "Nuclear Receptors, Biliary Transporters and Cholestatic Disorders", AASLD Focused Study Group 2-Cytochrome P450 Enzymes (CYPs) and Liver Disease, Boston, MA.
150. December 1, 2004. "Mechanisms of Adaptive Regulation of Bile Salt Transporters in Cholestasis", Albert Einstein College of Medicine, Bronx, NY.
151. February 11, 2005. "Hepatic Transporters – from Elasmobranchs to Man", Duke University Environmental Health Sciences Research Center, Integrated Toxicology Program Seminar Series, Durham, NC.
152. March 31, 2005. "Primary Biliary Cirrhosis, an Update", Lahey Clinic, Massachusetts.
153. April 2, 2005. "Gerald Klatskin, Historical Comments", Yale Digestive Diseases Reunion Weekend.
154. June 8, 2005. "Mechanisms of Cholestatic Hepatotoxicity", Gordon Research Conference, "Adverse Drug Reactions", Connecticut College, New London, CT.
155. May 26, 2005. "New Insights into Protective Mechanisms in Cholestasis", Brigham and Women's Hospital, Division of Gastroenterology, GI Grand Rounds, Boston, MA.
156. June 10, 2005. "Adaptive Responses to Cholestatic Liver Injury", Northwestern University, Hepatology Division, Chicago, IL.
157. July 13, 2005. "Development of hepatic drug transporters"; 12th Annual MDIBL Environmental Health Sciences Symposium, "Molecular evolution of chemical defense mechanisms".
158. Sept. 17, 2005. "Drug induced cholestatic mechanisms". AASLD Single topic conference, "Drug induced liver injury". Atlanta, GA
159. Oct 12-14, 2005. 1) "New insights into protective mechanisms in cholestasis" 2) Medical Grand Rounds: "Primary Biliary Cirrhosis and the Management of Cholestasis - an update". Texas A & M University College of Medicine, Temple, TX.
160. December 12-13, 2005. Annual YAGP Lecturer, Hospital of St. Raphael. "Highlights of AASLD meeting: Medical Grand Rounds – "Primary Biliary Cirrhosis and Cholestatic Liver Disease"
161. December 14, 2005. "Adaptive Responses to Cholestatic Liver Injury". Mt. Sinai GI/Liver Seminar Series; NYC.
162. Feb 21-22, 2006. The Alan Hofmann Lectureship, The Johns Hopkins University School of Medicine. 1) "Mechanism of Bile Acid Transport in the Enterohepatic Circulation – from Elasmobranchs to man" 2) GI Grand Rounds: "Primary Biliary Cirrhosis and the Management of Chronic Cholestasis – an update"
163. Feb 28, 2006. Stony Brook GI group. "Primary Biliary Cirrhosis and the Management of Chronic Cholestasis – an update".
164. July 12, 2006. The ABC's and "D's" of Xenobiotic Transport. Monday Morning Transport

- Seminar, MDIBL.
165. Oct 18, 2006. "Tales of a peripatetic bile-ologist", Leadership in Biomedicine, lectures series for Students, 2006-2007; Yale University School of Medicine.
 166. Oct 24, 2006. "Hepatotoxicity: an overview of the role of transporters". International Society for the Study of Xenobiotics. Rio Grande, Puerto Rico.
 167. Nov 9, 2006. "It's all about bile", Medical Grand Rounds, Yale University School of Medicine
 168. Dec 4, 2006. "Adaptive Responses to Cholestatic Liver Disease: The role of the organic solute transporter OSTalpha/beta" Physiology Dept. Mahidol University, Bangkok, Thailand.
 169. Dec 9, 2006. "Non Cirrhotic Portal Fibrosis: 40 years down the lane" Indian Association for the study of the Liver and Aisan Pacific Association for study of the Liver – single theme symposium on "Hepatic Fibrosis-basic science to therapy". Science City, Kolkata, India.
 170. Sept 21, 2007. "Efflux Transporters: Important Determinants of Drug-Induced Injury" – Boston Society for Advanced Therapeutics (BSAT) meeting. Boston, Mass.
 171. Oct 6, 2007. "Canalicular Bile Formation - Tales from Vienna and Yale". Symposium for Univ Prof. Dr. Jürg Graf, on his retirement. Vienna, Austria
 172. Dec 5, 2007. "Progressive Familial Intrahepatic Cholestasis-Progress in Understanding its Pathophysiology" Liver Center Seminar, Albert Einstein College of Medicine
 173. Dec 6, 2007. "It's all about bile", Medical Grand Rounds, Albert Einstein College of Medicine and Montifiore Hospital
 174. Jan 15, 2008. "Adaptive Responses to Cholestatic Liver Injury- The role of OSTalpha/beta". University of Pittsburgh School of Pharmacy.
 175. March 21, 2008. "Chronic autoimmune Hepatitis – perspectives on long term therapy and the role of stress". Tufts-New England Medical Center. – GI Grand Rounds.
 176. April 4-5, 2008. "Adaptive Regulation of Bile Acid and Organic Solute Transporters in Cholestasis (and Other Forms of Liver Injury)". U.S.-Japan Cooperative Medical Science Program – Gene, Environment and Disease Panel. San Francisco, CA
 177. April 22, 2008. "Progressive Familial Intrahepatic Cholestasis–Type1(FIC1) It's role in Cholestatic liver injury". The Basics of Cholestatic Liver Diseases – a Symposium to honor James L. Boyer. M.D. Milan Italy.
 178. May 22, 2008. "Progressive Familial Intrahepatic Cholestasis-Progress in Understanding its Pathophysiology". NIH, Digestive Disease Branch Research Seminar
 179. June 13-14, 2008. "Progressive Familial Intrahepatic Cholestasis–Type1(FIC1) It's role in Cholestatic liver injury". XX International Bile Acid Meeting. Bile acid Biology and Therapeutic Actions. Amsterdam, Netherlands.
 180. August 11, 2008. "Functional significance of Osta alpha-Ost beta for organic solute transport in epithelia." Monday Morning Seminar, MT Desert Island Biological Laboratory.
 181. Oct 23, 2008. "The Role of the Organic Solute Transporter alpha and beta (Ost α -Ost β) in the Adaptive Response to Cholestasis. University of Buffalo. GI Division Research Conference
 182. Oct 28, 2008. "Changing Concepts in the Mechanisms of Drug Induced Liver Toxicity". Hepatic Toxicity Following Treatment for Pediatric Graves' Disease Meeting, NICHHD, Rockville, MD.
 183. Oct 31, 2008. "Bile Transporters in Health and Disease: An Overview". AASLD/NASPGHAN Pediatric Symposium., San Francisco, CA
 184. Nov 2, 2008. "Mechanisms of Bile Formation and Impact on Understanding of Cholestasis". IASL State-of-the-Art Lecture. Joint AASLD/IASL Meeting, San Francisco, CA.
 185. December 6, 2008. "Mechanisms of Bile Formation and Impact on Understanding of Cholestasis and its Treatment". Ist Professor A.K. Basu Memorial Oration, Liver Foundation, West Bengal, Kolkata, India.

186. April 15 to April 20th, 2009. University of Amsterdam – SPINOZA CHAIR 2009, the Netherlands; April 15, Research Seminar: “The role of Ost α -Ost β in the adaptive response to cholestasis”, April 16th: Primary biliary Cirrhosis (house staff presentation); April 16th The Spinoza Lecture: “When bile flows the liver goes”; April 17th: Master class: “From Bed-side to laboratory bench, and back”; April 20th: Research presentations from staff.
187. July 8, 2009. 16th Annual Mt. Desert Island Biological Laboratory (MDIBL) and NIEHS Center for Comparative Toxicology Environmental Health Sciences Workshop. “The Discovery of Ost alpha-Ost beta from skate liver”
188. September 25-29, 2009. EMBO Conference on Nuclear Receptors (Cavtat, Croatia). “Retinoic acid represses CYP7A1 expression in human hepatocytes and HepG2 cells via RXR in addition to FXR dependent mechanisms. (Poster).
189. November 20, 2009. Royal Free and University College Medical School. Centre for Hepatology. “The role of psychological stress in relapse in Type1 Autoimmune Hepatitis”
190. February 22: 210 Toxicology Scholars Colloquium. University of Connecticut (STORRS). “Adaptive Responses to Cholestasis – The role of Ost alpha/beta : From Elasmobranchs to Man”
191. April 29, 2010. INBRE lecture: School of Pharmacy, University of Rhode Island. “Looking back to the Future- a 4 decade perspective on hepatic transport function – the role of serendipity and alternative animal models in scientific discovery”
192. May 15, 2010. “Overview of PSC research”. PSC Partners Seeking a Cure 2010 Conference. Hartford, CT
193. August 2, 2010. Northeast Harbor Library Lecture Series: “Your Liver: Your Life”, How to keep it healthy, and how do studies in marine animals at MDIBL help?
194. August 9, 2010. Monday Morning Seminar (MDIBL). “Sea Lamprey, a Model of Biliary Atresia”.
195. September 16, 2010. The John Doull Toxicology Symposium, Dept. Pharmacology. University of Kansas. “Looking back to the Future- a 4 decade perspective on hepatic transport function – the role of serendipity and alternative animal models in scientific discovery
196. November 18, 2010. Adaptive Responses to Cholestatic Liver Disease – looking back to the future.(A 4 decade Odyssey). Chongqing, China. Southwest Hospital, third medical university.
197. November 20, 2010 Role of nuclear receptors in treatment of cholestatic liver disease – Symposia on Western Medicine and Traditional Chinese Medicine for treating GI diseases. Chongqing, China.
198. November 25, 2010. Adaptive Responses to Cholestatic Liver Disease – looking back to the future the role of nuclear receptor ligands in drug development). The 3rd International Conference on Traditional Chinese Medicine TCMC Conference, Chengdu, China.
199. February 9, 2011/ The 25th Klatskin Lecture: “Klatskin, his life and legacy: The natural history and treatment of primary biliary cirrhosis”. Yale University School of Medicine.
200. February 10, 2011. Medical Grand Rounds. “Klatskin, his life and legacy: The natural history of autoimmune hepatitis. Yale University School of Medicine.
201. April 8, 2011. Special lecture: University of Cape Town (Liver Unit). “The Natural History of Autoimmune Hepatitis--(Adventures in Hepatology)
202. June 9, 2011. Symposium “cholestatic and metabolic Liver diseases: From Basic Science to Clinical Practice. University of Vienna, Trauner Inaugural Symposia. “Adventures in Cholestatic Liver Disease”
203. January 5, 2012. All India Institute for Postgraduate Medical Education and Research. Kolkata. “Adventures in Cholestatic Liver Disease”

204. June 8, 2012. NIH Bile acid Workshop. “Adaptive Responses to Cholestasis in liver, kidney and intestine”
205. June 15, 2012. 7th Annual Yale Digestive Disease Week Review: “Primary Sclerosing Cholangitis and Primary Biliary Cirrhosis”. Water’s Edge, CT.
206. July 9, 2012. Monday Morning Seminar, Mt Desert Island Biological Laboratory. “Effects of All-trans retinoic acid in cholestatic liver injury - from Elasmobranchs to man”.
207. September 14, 2012. Falk Symposium 184; XXII International Bile Acid Meeting. “Ned Ballatori - In Memoriam”.
208. May 10, 2013. “Autoimmune Liver Disease (PSC and PBC)”. Yale Liver Update 2013.
209. June 20-21st, 2013. “Value based medicine in Hepatology: the US clinician’s perspective”. A.I.S.F. Single Topic Conference (Clinical outcomes and value of care in Hepatology). Milan, Italy
210. August 14, 2013. “Mechanism of regulation of human MDR3/ABCB4 by PPAR α – Implications for treatment of cholestatic liver disease”. BioMedical Transporters 2013 St. Moritz, Switzerland.
211. May 16, 2014. Kaplan Grand Rounds Guest Speaker Tufts New England Medical Center. “Autoimmune Liver Disease – the Klatskin-Kaplan Legacy and the role of MIF”
212. May 17, 2014. Yale Liver Update 2014. “Autoimmune Liver Disease”
213. June 24, 2014. IPSCSG Meeting. Amsterdam. “All-trans retinoic acid as therapy for PSC”.
214. October 23, 2014. Sixteen Annual David H. Alpers Visiting Professor. “Autoimmune Hepatitis, Stress and MIF, a Klatskin/Kaplan Legacy”
215. June 12, 2015 DDW review-Water’s Edge. “Autoimmune Liver Disease”.
216. Nov 10, 2015. AASLD Symposia. “Cholestasis: what we know and what we will learn”
217. December 3rd, 2015. Popper Lecture, Medical University of Vienna. “Autoimmune Hepatitis, the Klatskin-Kaplan Legacy and the role of Macrophage Inhibitory Factor”
218. December 4th, 2015. Medical University of Vienna. “Mechanisms of Bile acid induced liver injury- the role of the inflammatory response”.
219. December 10, 2015. USC, Los Angeles. Reynolds Visiting Professor. “Mechanisms of Bile acid induced liver injury- the role of the inflammatory response”.
220. December 11, 2015. The Reynold’s Lecture. Autoimmune Hepatitis, the Klatskin-Kaplan Legacy and the role of Macrophage Inhibitory Factor”
221. June 15, 2016.” Bile Acid Falk Symposia, Dusseldorf, Germany. “Mechanisms of bile acid induced liver injury- the role of inflammation”
222. June 24-27, 2016 International Primary Sclerosing Cholangitis Symposia, New Haven; “Interpreting Liver tests”
223. Sept. 19, 2016. University of Padua, Italy. “Mechanisms of Bile acid induced liver injury- the role of the innate immune system”.
224. Oct, 25, 2016. University of Cincinnati. “The Balistreri Lecture”. “Novel Mechanisms of Bile acid induced liver injury- the role of the innate immune system”.
225. Nov 10, 2016. 26th Boston. Annual I.M. Arias, M.D. Symposium. “Novel Mechanisms of Bile Acid-Induced Liver Injury: Role of the innate immune system:”
226. December 2, 2016. Yale Liver update 2016. Primary Biliary Cholangitis (PBC).
227. October 7, 2017. Pediatric Autoimmune Liver Disease Symposium and Family Day. Cincinnati Children’s Hospital Medical Center. “Cholangiocyte Injury and Bile Acid Toxicity in Primary Sclerosing Cholangitis”.
228. Nov 30 - December 1, 2017; 42nd Meeting of the Western Branch of the Japan Society of Hepatology, Fukuoka, Japan, “Mechanisms of Cholestasis-Insights to Novel Targets For Drug Therapy”

229. March 16-17, 2018. AASLD Emerging Trends Conference: “Cholangiopathies: The dawn of curative treatments?” Poster presentation: Bile derived organoids: a novel technique for the study of cholangioopathies; Arlington, VA.
230. June 18-19, 2018; 5th Internatioinal PSC Study Group Meeting, Paris, France. Working group presentation on biliary organoids in PSC.
231. October 28-29,2018. Bile Acids, Transporters and Liver Disease. 19th PYW. Pichelschloss, 8812 Mariahof bei Neumarkt/Steiermark, Osterreich. “What Bile derived Organoids tell us about PSC”

Original Publications: 475 total
Abstracts: 391 total

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2. Boyer JL, and Basu AK. Hepatic blood flow, portal pressure and liver function in portal hypertension. Symposium on liver cirrhosis. Ind Acad Med Sci, Agra, Feb 1966.
3. Boyer JL, and Basu AK. Sulfobromophthalein liver function test in patients with portal hypertension. Ind J Med Res, 54:858-865, 1966.
4. Boyer JL, Catterjee C, Iber FL, and Basu AK. Effect of plasma volume expansion on portal hypertension. New Engl J Med, 275:750-755, 1966.
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7. Basu Mallik KC, Sen Gupta KP, Basu AK, Biswas SK, Pal NC, and Boyer JL. Non-cirrhotic portal fibrosis with portal hypertension. II. Histopathological studies. Ind J Med Res 55:568-572, 1967.
8. Boyer JL, Gill GN, and Epstein FH. Hyperglycemia and hyperosmolarity complicating peritoneal dialysis. Ann Int Med 67:568-572, 1967.
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13. Boyer JL, and Scheig R. Hepatic metabolism of 1-¹⁴C octanoic and 1-¹⁴C margaric acids. Lipids 4:615, 1969.
14. Boyer JL, Scheig R, and Klatskin G. The effect of sodium taurocholate on the hepatic metabolism of sulfobromophthalein sodium (BSP). J Clin Invest 49:206, 1970.
15. Boyer JL, and Scheig R. Postheparin lipolytic activity in uremia and its relationship to hypertriglyceridemia. Proc Soc Exp Biol Med 134:603-605, 1970.
16. Boyer JL, and Klatskin G. Canalicular bile flow and bile secretory pressure - evidence of a non-bile salt dependent fraction in the isolated perfused rat liver. Gastroenterol 59:853-859, 1970.

17. Boyer JL, and Klatskin G. The prognostic significance of subacute hepatic necrosis in acute viral hepatitis. *New Engl J Med* 283:1063-1071, 1970.
18. Simon JB, and Boyer JL. Production of lecithin: cholesterol acyltransferase by the isolated perfused rat liver. *Biochem Biophys Acta* 218:549-551, 1970.
19. Alexander NM, and Boyer JL. A rapid assay for the glyoxalase enzyme system. *Anal Biochem* 41:29-38, 1971.
20. Boyer JL. Canalicular bile formation in the isolated perfused rat liver. *Amer J Physiol* 221:1156-1163, 1971.
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22. Boyer JL. Effect of chronic ethanol feeding on bile formation and secretion of lipids in the rat. *Gastroenterol* 62:294-301, 1972.
23. Boyer JL. The clinical and histologic spectrum of acute viral hepatitis. IN: Proceedings of Symposium on Viral Hepatitis and Blood Transfusion, March 25-26, Eds: GN Vyas, et al, Grune & Stratton, pp. 43-51, 1972.
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ABSTRACTS AND PRESENTATIONS

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