

CURRICULUM VITAE

Name: Jorge Abdon Bezerra
Address: Work: Cincinnati Children's Hospital Medical Center
3333 Burnet Ave, Cincinnati, OH 45229-3031, 513-636-4928
Home: 6963 Miami Bluff Dr, Cincinnati, OH 45227, 513-561-5357
Cell phone: 513-673-0780
E-mail: jorge.bezerra@cchmc.org
Date of Birth: April 6, 1960
Place of Birth: Natal, RN, Brazil
Citizenship: The United States of America
Wife: Susan Duncan Bezerra
Children: Tiago, Lucas and Paulo Bezerra

SUMMARY OF ACADEMIC PORTFOLIO

Academic appointment: Professor of Pediatrics, with tenure

Staff appointment: Pediatric Gastroenterologist, Pediatric Hepatologist

Endowed Chair: The William and Rebecca Balistreri Chair in Pediatric Hepatology

Leadership appointment:

- Director, Division of Pediatric Gastroenterology, Hepatology and Nutrition
- Medical Director, Pediatric Liver Care Center
- Director, Digestive Health Center (NIDDK-funded Digestive Disease Research Core Center)

National Honors:

- Elected Member of the American Society for Clinical Investigation (2005-To date)
- Secretary and Member of the Governing Board, American Association for Studies of Liver Diseases (2010-2013)
- Elected Member of the Association of American Physicians (2015-To date)
- Member of the Board of Scientific Councilors for intramural research for NIDDK (2017-to date)
- Councilor and Member of the Governing Board, American Association for Studies of Liver Diseases (2016-to date)
- Immediate Past President, American Association for Studies of Liver Diseases, 2021

Publications: 158

H Index: 50 for all publications; i10 index: 97

Research support:

- PI – R01 DK 064008; Immunologic dysfunction in biliary atresia (2003-2023)
- PI – R01 DK 083781; Biological basis of phenotypes in biliary atresia (2009-2024)
- PI – U01 DK 62497; Clinical center for biliary atresia (2002-2024)
- PI – P30 DK 789392; DHC: Bench-to-bedside research, ped dig disease (End: 2008-2022)
- PI – Prospective clinical trial of Tenofovir for children with chronic HBV (2014-2022)
- Co-investigator (PI: Balistreri) – Prospective clinical trials: 1) Sofosbuvir and Ribavirin for children with chronic HCV-genotypes 2 and 3 (Gilead: 2014-2020), and 2) Sofosbuvir and Ledispavir for children with chronic HCV-genotypes 1-6 (Gilead: 2014-2020)

EDUCATION AND TRAINING

- 1984 M.D., Federal University of Rio Grande do Norte School of Medicine, Natal, Brazil
1987 Intern in Pediatrics, Dept Pediatrics, Univ. Arizona Health Sci. Center, Tucson, AZ
1988-9 Resident in Pediatrics, Dept Pediatrics, Univ. Arizona Health Sci. Center, Tucson, AZ
1990-3 Fellow, Division of Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center and the Univ. of Cincinnati, Cincinnati, OH
Included 2 years of laboratory research under the mentorship of Sandra Degen, PhD.
Field of study: molecular genetics and liver regeneration
1992-4 Research Scholar, Division of Basic Sciences, Cincinnati Children's Hospital Medical Center and the Univ. of Cincinnati, Cincinnati, OH
Mentor: Sandra Degen, PhD. Field of study: molecular genetics and liver regeneration

ACADEMIC APPOINTMENT

- 1994-6 Research Assistant Professor of Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center and the Univ. of Cincinnati, Cincinnati, OH
Staff physician: Cincinnati Children's Hospital Medical Center
1996-01 Assistant Professor of Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center and the Univ. of Cincinnati, Cincinnati, OH
Staff physician: Cincinnati Children's Hospital Medical Center
2001-05 Associate Professor of Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center and the Univ. of Cincinnati, Cincinnati, OH
Staff physician: Cincinnati Children's Hospital Medical Center
2005- Professor of Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Cincinnati Children's Hospital Medical Center and the Univ. of Cincinnati, Cincinnati, OH.
Staff physician: Cincinnati Children's Hospital Medical Center
2009- William and Rebecca Balistreri Chair of Pediatric Hepatology
2010- Faculty, Molecular and Developmental Biology Graduate Program
Cincinnati Children's Hospital Medical Center and the Univ. of Cincinnati, Cincinnati, OH
2010- Faculty, Immunobiology Graduate Program
Cincinnati Children's Hospital Medical Center and the Univ. of Cincinnati, Cincinnati, OH
2012- Faculty, Medical Scientist Training Program, Univ Cincinnati College of Medicine

CURRENT LEADERSHIP POSITIONS

- 2009- Director, Digestive Health Center
2009- Medical Director, Pediatric Liver Care Center
2015- Director, Division of Gastroenterology, Hepatology and Nutrition

LICENSURE AND CERTIFICATION

- 1986 Educational Commission for Foreign Medical Graduate
1989 Federation License Examination
1987-91 Board of Examiners of the State of Arizona

- 1993-06 American Board of Pediatrics
- 1991- Board of Examiners of the State of Ohio
- 1995- American Board of Pediatrics, Sub-Board of Pediatric Gastroenterology and Nutrition
- 2009- Certificate of Added Qualification in Transplant Hepatology

HONORS AND AWARDS

- 1984 Best Graduating Student, Merit Medal, Federal Univ. Rio Grande Norte School of Medicine, Natal, Brazil
- 1989 Graduating Resident Award for Excellence in Teaching, Department of Pediatrics, Univ. Arizona Health Sci. Center, Tucson, AZ
- 1989 Graduating Resident Award for Excellence in Clinical Service, Department of Pediatrics, Univ. Arizona Health Sci. Center, Tucson, AZ
- 1989 Graduating Resident Award for Excellence in Research, Department of Pediatrics, Univ. Arizona Health Sci. Center, Tucson, AZ
- 1989 Pediatric Resident Research Award, American Academy of Pediatrics
- 1992 William C. Procter Pediatric Research Scholarship Award, Cincinnati Children's Hospital Research Foundation
- 1997 AASLD Research Workshop Young Investigator Award: "Transgenic mouse models in the study of liver diseases", AASLD annual meeting, Chicago
- 2004-08 Standing Member, Hepatobiliary Pathophysiology Study Section, NIDDK
- 2005,9-18 Best Doctors in America, Pediatrics
- 2008,9 Best Doctors in America, Gastroenterology
- 2005 Elected to the American Society for Clinical Investigation
- 2008-9 Chairman, Basic Research Cmte, Am Assoc Studies Liver Disease
- 2008-9 Member, Educational Oversight Cmte, Am Assoc Studies Liver Disease
- 2008-9 Chairman, Abst Program, Sp Interest Gp, Ped Hepatol, Am Assoc Studies Liver Disease
- 2009-10 Best Doctors in America, Pediatrics
- 2009-10 Chairman, Abstract Review Cmte. for Ped Hepatology, Am Assoc Studies Liver Disease
- 2008-10 Member, NIH-Liaison Cmte, Am Assoc Studies Liver Disease
- 2004-12 Chairman, Ped Liver Disease Working Group, NIH Action Plan for Liver Disease Res
- 2006-11 Editorial Board of Hepatology
- 2009-11 Member, Research Cmte, North Am Soc Pediatric Gastroenterol, Hepatol and Nutrition
- 2009 William and Rebecca Balistreri Chair of Pediatric Hepatology
- 2010 Chairman, NIDDK Special Emphasis Panel, ZRG1 DIG C02M
- 2011 Chairman, NIDDK Special Emphasis Panel, ZRG1 DKUS-D80
- 2010-12 Chairman, Educational Oversight Cmte, Am Assoc Studies Liver Disease
- 2010-12 Secretary, Am Assoc Studies Liver Disease
- 2010-11 Member, Nominating Committee of the North Am Soc Ped Gastroenterol Hepatol Nutr
- 2010-12 Member, DDW Scientific Program Committee, AASLD Chair
- 2011 Leader of Program Chairs, Scientific Program Committee for DDW2012
- 2011-12 Best Doctors in America, Pediatrics
- 2012 Reviewer, NIDDK Special Emphasis Panel, ZRG1 DKUS-E10
- 2012 Reviewer, NIDDK Special Emphasis Panel, ZRG1 DKUS-C05M
- 2011-2 Nomination, the Mentoring Achievement Award, Cincinnati Children's Hosp Med Ctr
- 2010- Member, NIH College of CSR Reviewers
- 2012- Associate Editor, Hepatology
- 2012-3 F1000 Section Head, Pediatric Gastroenterology and Hepatology, Faculty of 1000
- 2013 Strategic Planning Committee, Am Assoc Studies Liver Disease
- 2013 Chairman, NIDDK Special Emphasis Panel, ZRG1 DKUS-D (03)M
- 2013 Reviewer, NIDDK Special Emphasis Panel, ZRG1 DKUS-N(03)

- 2013 Member, Search Committee for Editor-in-Chief of *Liver Transplantation*, journal of the American Association for Studies of Liver Diseases
- 2013-14 Member, Chairman of Pediatrics Search Committee – Cincinnati Children’s Hospital Medical Center and the University of Cincinnati College of Medicine
- 2014 Co-Chair, Search Committee for Director of Human Genetics – Cincinnati Children’s Hospital Medical Center and the University of Cincinnati College of Medicine
- 2014 Co-Chair, NIDDK Special Emphasis Panel, ZRG1 DKUS-A (82)
- 2014 Nominee, AASLD Councilor
- 2014 Mentorship Achievement Award, CCHMC
- 2014 Best Doctors in America, The Cincinnati Magazine
- 2014 Award for distinguished scientific accomplishments, 15th Brazilian Congress of Pediatric Gastroenterology, Hepatology and Nutrition, Natal, Brazil
- 2014 Elected as Fellow of the AASLD
- 2012- Member, External Advisory Board, Silvio O. Conte Digestive Disease Research Core Center at the Einstein Liver Center, Yeshiva University College of Medicine
- 2015- Member, Internal Advisory Board, Cystic Fibrosis Research Development Program, CCHMC, Cincinnati
- 2015 Elected as Fellow of the AGA
- 2015 Elected to membership of the Association of American Physicians
- 2015 NIDDK Special Emphasis Panel, ZRG1 DKUS-L (04)
- 2015 Nomination for Council, American Association for Studies of Liver Diseases
- 2015 Top Doctor, Pediatrics, Cincinnati (www.cincymagazine.com)
- 2016 Member, External Advisory Board for the Einstein Liver Research Center
- 2016 Member, External Advisory Board for the Pittsburgh Liver Research Center
- 2016- Councilor and Governing Board Member, American Assoc Studies of Liver Diseases
- 2016- Trustee, Foundation of the American Association of Studies of Liver Diseases
- 2016 Best Doctors in America
- 2017 BSC review: NIDDK Intramural Research Program, October
- 2017 Chairman, NIDDK Special Emphasis Panel, ZRG1 DKUS-P (03)
- 2017 America’s Best Doctors
- 2017 Top Doctor, Pediatrics, Cincinnati (www.cincymagazine.com)
- 2017 BSC review: NIDDK Intramural Research Program, October
- 2018 Top Doctor, Pediatrics, Cincinnati (www.cincymagazine.com)
- 2018 Castle Conolly Top Doctors in America
- 2018 BSC review: NIDDK Intramural Research Program, March
- 2018 BSC review: NIDDK Intramural Research Program, October
- 2019 President-Elect, American Association for Studies of Liver Disease
- 2019-21 BSC review: NIDDK Intramural Research Program, March
- 2019-20 Top Doctor, Pediatrics, Cincinnati (www.cincymagazine.com)
- 2019-20 Castle Conolly Top Doctors in America
- 2019-20 The Best Doctors in America
- 2020 President, American Association for the Study of Liver Diseases
- 2021 Immediate Past-President, American Assoc for the Study of Liver Diseases
- 2021 The Klatskin Lecturer, Yale University

MEMBERSHIP IN PROFESSIONAL SOCIETY

- 1994- North American Society for Pediatric Gastroenterology and Nutrition
- 1994- American Gastroenterological Association
- 1994- American Association for Studies of Liver Diseases
- 2000- Society for Pediatric Research
- 2000- American Association for Advancement of Science

- 2003- American Physiological Society
- 2005- American Pediatric Society
- 2005- American Society for Clinical Investigation
- 2014- Fellow designation, American Association for Studies of Liver Diseases
- 2015- Fellow designation, American Gastroenterological Association
- 2015- American Association of Physicians

SERVICE

1. Committees

Local

- 1994-96 Search Committee, GI Fellowship Program, Dept Pediatrics, Univ Cincinnati
- 1998-99 Third Year Pediatr Clerkship Taskforce, Dept Pediatrics, Univ Cincinnati
- 1996-06 GI Fellowship Research Committee, Dept Pediatrics, Univ Cincinnati
- 2004-07 CCRF Working Group on Interdisciplinary Coordination and Collaboration
- 2005-06 Chair, RPT Nominating Committee for the Dept of Pediatrics, Cincinnati Children's Hospital Medical Center and the University of Cincinnati
- 2010 Member, Advisory Committee, CCHMC Office of Faculty Development
- 2008-15 Jr. Faculty Development Oversight Committee
- 2012-15 Program Director, Trustee and Procter Awards
- 2013-14 Member, Chairman of Pediatrics Search Committee
- 2014-16 Co-Chair, Search Committee for Director of Human Genetics
- 2017-18 Member, Search Committee for Director of the Division of Neonatology
- 2017-19 Co-Chair, Search Committee for Director of Pediatric Pathology
- 2017-19 Chair, Steering Committee of G23
- 2017- Member, Basic Science Research Committee

National/International

- 1998-01 International Liaison Committee, North Am Soc Ped GI, Hepatol, Nutrition
- 2003-06 Member, Hepatology Committee, North American Society Peds GI, Hepatology, Nutrition
- 2003-06 Education Committee, Am Assoc Studies Liver Disease
- 2006-08 Hepatology Committee, World Congress of Pediatric GI, Hepatology, Nutrition
- 2008-9 Chairman, Basic Research Cmte, Am Assoc Studies Liver Disease
- 2008-9 Member, Educational Oversight Cmte, Am Assoc Studies Liver Disease
- 2008-9 Chairman, Abst Program, Sp Interest Gp, Ped Hepatol, Am Assoc Studies Liver Disease
- 2009-10 Chairman, Abstract Review Cmte, of Ped Hepatology, Am Assoc Studies Liver Disease
- 2008-10 Member, NIH-Liaison Cmte, Am Assoc Studies Liver Disease
- 2009-11 Member, Research Cmte, North Am Soc Pediatric Gastroenterol, Hepatol and Nutrition
- 2009-11 Member, Nominating Cmte, North Am Soc Pediatr Gastroenerol, Hepatol and Nutrition
- 2010-12 Chairman, Educational Oversight Cmte, Am Assoc Studies Liver Disease
- 2010-12 Secretary, American Assoc for Studies of Liver Disease
- 2013 Strategic Planning Committee, Am Assoc Studies Liver Disease
- 2013 Member, Search Committee for Editor-in-Chief of *Liver Transplantation*, journal of the American Association for Studies of Liver Diseases
- 2016 Member, Search Committee for Editor-in-Chief of *Hepatology Communications*, journal of the American Association for Studies of Liver Diseases
- 2016 Member, Search Committee for Editor-in-Chief of *Liver Transplantation*, journal of the American Association for Studies of Liver Diseases

- 2017 Co-Chair, NIH-Clinical and Translational Symposium on Biliary atresia, June 28, 2017, Bethesda, MD
- 2017-18 Co-Chair, Strategic Planning Committee for the AASLD, Washington DC
- 2017-20 Member, Scientific Program Committee of the AASLD, Washington DC
- 2019 Senior Councilor, Program Development for Digestive Disease Week for 2020
- 2019 Director, Post-Graduate Course for the AASLD, Boston, MA
- 2020 President, The Liver Meeting-Digital Experience, AASLD, November 2020

2. Professional Activities

Reviews

- 1998 Abstract reviewer, Pediatric liver disease, Am Gastroenterological Association
- 1999 Co-chair, Research Forum on Genetic and Metabolic Liver Dises, Am Assoc for Studies of Liver Disease
- 1999 Reviewer, Trustee Award, CCRF
- 2000 Abstract reviewer, Molecular, cellular and developmental biology of the liver, First World Congress of Pediatr Gastroenterol and Nutrition
- 2000 Grant reviewer, Mayo Clinic Foundation
- 2000 Grant reviewer, Children's Liver Disease Foundation, Birmingham, England
- 2001 Ad hoc reviewer, NIDDK-SBIR
- 2001 Abstract Reviewer, Gastroenterology and Nutrition, SPR Annual meeting
- 1999-02 Member, abstract review group on Regeneration, Oncogenesis, Development and Gene Therapy, Am Assoc for Studies of Liver Disease
- 2003 Reviewer, Special Emphasis Panel, NIDDK
- 2004-08 Reviewer, Standing Member, NIDDK Hepatobiliary Pathophysiology Study Section
- 2006-08 Abstract Review Committee, World Congress Ped Gastroentrol Hepatol Nutr
- 2006-10 Abstract Review Committee, Am Assoc Studies Liver Disease
- 2008 Reviewer, Special Emphasis Panel, NIDDK
- 2009 Reviewer, Special Emphasis Panel, NIDDK
- 2009-11 Abstract Review Committee, North Am Soc Ped Gastroenterol Hepatol Nutr
- 2011 Reviewer, Trustee Grant Program, CCRF
- 2004- Reviewer, internal review process for grant proposals, CCRF
- 2011- Reviewer, GAP and Research Innovation Program, CCRF
- 2012 Reviewer, NIDDK Special Emphasis Panel, ZRG1 DKUS-E10
- 2012 Reviewer, NIDDK Special Emphasis Panel, ZRG1 DKUS-C05M
- 2013 Chairman, NIDDK Special Emphasis Panel, ZRG1 DKUS-D (03)M
- 2013 Reviewer, NIDDK Special Emphasis Panel, ZRG1 DKUS-N(03)
- 2014 Co-Chair, NIDDK Special Emphasis Panel, ZRG1 DKUS-A (82)
- 2017 Reviewer, NIDDK Consortium for Hepatitis B scientific proposals
- 2017 Chairman, NIDDK Special Emphasis Panel, ZRG1 DKUS-P (03)
- 2017- Reviewer, NIDDK Intramural Research Program
- 2017-20 Member, Scientific Program Committee, Amer Assoc for the Study Liver Dis
- 2020 Chair, Scientific Program Committee, Amer Assoc for the Study Liver Dis

3. National/International Distinguished Activities

Participation in course organization or consortium

- 2004 Co-Director, AASLD Pediatric Single Topic Conference: "Intrahepatic Cholestasis," Atlanta, GA

- 2003-9 Member, NIH Biliary Atresia Research Consortium – Meet with investigators from 8 other centers 3-4 times a year to review progress and implement new projects funded by the Consortium
- 2004-9 Member, NIH Cholestatic Liver Consortium
- 2004-11 Chairman, NIH Action Plan for Liver Disease Research Working Group, NIDDK
- 2009- Member, NIDDK-ChiLDREN Network
- 2017 Co-Chair, NIH-Clinical and Translational Symposium on Biliary atresia, June 28, 2017, Bethesda, MD
- 2019 Director, Meet the Professor Luncheon for the Annual Meeting of the American Association for Studies of Liver Disease
- 2019 Director, Early-Morning-Workshops for the Annual Meeting of the American Association for Studies of Liver Disease
- 2019 Director, Post-Graduate Course for the Annual Meeting of the American Association for Studies of Liver Disease
- 2017-20 Member, Scientific Program Committee, Amer Assoc for the Study Liver Dis
- 2020 Chair, Scientific Program Committee, Amer Assoc for the Study Liver Dis

Invited lectures

1. Invited Speaker, Division of Gastroenterology and Hepatology, Dept Medicine, Univ Cincinnati
“Cellular and molecular control of hepatocyte transplantation”, 1997
2. Invited Speaker, Latin Am Congress on Pediatric Gastroenterol and Nutrition, São Paulo, Brazil
“Liver regeneration”, 1997
“Liver cell transplantation: The promise, the perils”, 1997
3. Invited Speaker, IX Brazilian Congress on Pediatric Gastroenterology, Natal, Brazil
“Nutritional management in children with liver disease”, 1998
“Cystic fibrosis”, 1998
“Neonatal hepatitis”, 1998
4. Visiting Professor, Hospital Infantil and Federal Univ Rio Grande do Norte, Natal, Brazil
“Abdominal pain in children”, 1998
“Gastroesophageal reflux in children”, 1998
“Viral hepatitis: New agents”, 1998
5. Invited Speaker, II International Update on Pediatrics, São Paulo, Brazil
“Pediatric cholestasis”, 1998
“Liver transplantation in children”, 1998
6. Invited Speaker, Latin American Congress of Hepatology, São Paulo, Brazil
“Liver cell transplantation”, 1998
7. Visiting Professor, Hospital de Base, Brasilia, Brazil
“Pediatric aspects of liver transplantation”, 1998
8. Invited Speaker, United Network for Organ Sharing Transplant Forum, Cincinnati
“Hepatocyte transplantation”, 1998
9. Invited Speaker, 18th Ross Pediatric Gastroenterology Conference, Carefree, Arizona
“Genetic basis of GI disease: A futuristic look at our clinical practice”, 1999
10. Invited Speaker, Division of Pediatric Surgery, Univ Cincinnati
“Hepatocyte transplantation: From animal to man... to animal”, 1999
11. Visiting Professor, Baylor College of Medicine, Houston, TX
“Liver regeneration: The role of proteases”, 1999
12. Faculty, Postgraduate Course, Am Assoc Studies Liver Disease, Dallas, TX
“From the barn to the bedside: Animal models of liver disease”, 1999

13. Faculty, Meet-the-Professor Luncheon, Am Assoc Studies Liver Disease, Dallas, TX
"Models of liver disease: Insight into pathophysiology and therapy", 1999
14. Faculty, Early Morning Workshop, Am Assoc Studies Liver Disease, Dallas, TX
"Neonatal cholestasis", 1999
15. Invited Speaker, Division of Developmental Biology, Dept Pediatrics, Univ Cincinnati
"Role of proteases in liver regeneration: Establishing a framework for repair", 1999
16. Pediatric Resident Research Conference:
"Healing livers, saving lives: Insights from the bench", Jan 2000
17. Visiting Professor, University of Gotingen, Germany
"The plasminogen system regulates liver repair", March 2000
18. Invited Speaker, Division of Critical Care Medicine, Dept Pediatrics, Univ Cincinnati
"The regulatory role of plasminogen on liver repair, fibrogenesis, and injury", June 2000
19. Invited Speaker, 22nd Annual Meeting on Pediatric Hepatology and Liver Transplantation.
Course/conference held in Snowmass, Colorado, July 2000. Talks:
"The genetic basis of familial hemophagocytic lymphohistiocytosis"
"Molecular link between congenital hepatic fibrosis and CDG-syndrome-1b"
"Hereditary tyrosinemia"
"Chronic intrahepatic cholestatic syndromes: Classification based on biology"
"Liver transplantation: Pretransplant evaluation and management"
"Hepatocyte transplantation: The promise, the perils"
20. Faculty, Early Morning Research Workshop, Am Assoc Studies Liver Disease, Dallas, TX
"Hepatocyte transplantation", 2000
21. Faculty, "X Brazilian Congress on Pediatric Gastroenterology", Brazil, 2001
"Familial cholestasis: New classification"
"Cirrhosis: From bench to bedside"
"Genetics in gastroenterology: The future has arrived"
"Metabolic liver disease: Options for clinical treatment"
22. Faculty, AASLD Meet-the-Professor Luncheon
"Intrahepatic cholestasis"
23. Visiting Professor, Liver Study Unit, Departments of Medicine and Pediatrics, Yale University,
Hartford, NH, January, 2001.
"The plasminogen system of proteases: Working together to direct liver repair"
24. Faculty, Falk Symposium No. 126, Hannover, Germany, 2001
"Cell transplantation into transgenic mice"
25. Faculty, 14th Annual Meeting of the NASPGHAN, Orlando, FL, October, 2001
"Genes and liver development: clinical implications of defects in structure and function"
26. Faculty, Early Morning Workshop, Am Assoc Studies Liver Disease, Dallas, TX, 2001
"Biliary atresia"
27. Faculty, Gordon Research Conference on Thrombolysis, plasminogen activation, and
extracellular proteolysis, Ventura, CA, 2002
"Role of plasminogen activation in liver repair"
28. Visiting Professor, Hospital for Sick Children, Toronto, ON, Canada, 2002
"The plasminogen system and liver repair: A lesson in family values"
29. Faculty, II International Conf on Pediatric Gastroenterol, Hepatology, Nutrition, Sao Paulo,
Brazil, 2002
"Neonatal cholestasis: New insights"
"Chronic intrahepatic cholestasis"
"Functional genomics and biliary atresia: Implications for diagnosis and treatment"

30. Faculty, Symposium on Metabolic Liver Disease, annual meeting of the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition, San Antonio, TX, 2002
“Metabolic liver disease: Recent developments”
31. Faculty, Meet-the-investigator breakfast, annual meeting of the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition, San Antonio, TX, 2002
“Acute liver failure”
32. Faculty, Symposium on recent advances in neonatal cholestasis, sponsored by the AASLD/NASPGHAN, 2002 annual meeting of the AASLD, Boston, MA, 2002
“Biliary atresia”
33. Faculty, AASLD Single Topic Conference on Biliary Atresia, Atlanta, GA, 2002
“Altered hepatic gene expression”
34. Faculty, II International Conference on Pediatric Gastroenterology, Hepatology, and Nutrition, Salvador, Brazil, 2003
“Diagnostic and therapeutic considerations for the infant with cholestasis”
“New opportunities for pediatric Hepatology in the third millennium”
“Etiopathogenesis of biliary atresia”
“Clinical care following portoenterostomy for the infant with biliary atresia”
“PFIC syndromes”
“Clinical symposium: the patient with metabolic defect”
35. Visiting Professor, St. Christopher’s Hospital for Children, Philadelphia, Pa, 2003
“Update on Pediatric Hepatology – Biliary Atresia”
36. Presenter, IXth International workshop on molecular and cellular biology of plasminogen activation, Island of Capri, Italy, 2003
“Plasminogen deficiency results in a pancreatic switch during liver repair” . .
37. Faculty, Research Workshop at the AASLD 2003 meeting, Boston, 2003
“Microarray analysis in liver disease: pitfalls and promise”, Boston, 2003.
38. Faculty, AASLD Pediatric Single Topic Conference on Intrahepatic Cholestasis, Atlanta, GA, 2004
“Genomics: uncovering clues of biology and phenotype”
39. Faculty, the 7th Update On Pediatric Liver Transplantation, Mt Sinai School of Medicine, New York, 2004.
“Etiology of biliary atresia”,
40. Faculty, NASPGHAN workshop during the 2004 AASLD meeting, Boston, 2004
“Molecular basis of liver regeneration”
41. Faculty, Meet-the-Professor Luncheon, Post-Graduate Course of the 2004 AASLD meeting, Boston, 2004
“Recent advances in biliary atresia”
42. Oral presentation at the AASLD Single Topic Conference on “Functional Genomics”, the Airlie Center, VA, 2005
“Transcriptional analysis of the biliary transcriptome in experimental biliary atresia”
43. Visiting Professor at the Children’s Hospital Juan P. Garrahan, Buenos Aires, Argentina, 2005
“Deciphering the molecular basis of neonatal cholestasis”
44. Invited Speaker at the 3rd Argentine Congress of Pediatric Gastroenterology, Hepatology, and Nutrition, Salta, Argentina, 2005
“Meeting the challenges of biliary atresia”
“Etiology and management of acute liver failure in neonates”
45. Faculty, Early Morning Workshop during the 2005 NASPGHAN meeting, Salt Lake City, 2005

“Advances in biliary atresia”

46. Visiting Professor, Department of Pathology, University of Pittsburgh, and Division of Pediatric Gastroenterology and Nutrition, Pittsburgh Children’s Hospital, February 2006
“Plasminogen system and the control of liver cell plasticity and repair”
“Biliary atresia: a model of translational research”
47. Keynote speaker at the Third Scientific Liver Symposium at the Fred and Suzanne Biesecker Pediatric Liver Center, Children’s Hospital of Philadelphia, June, 2006
“Pediatric liver disease: innovation to improve patient care”
“Advances in biliary atresia: a view from the bench”
48. Faculty, the NIH-Biliary Atresia Symposium, Bethesda, September 2006
“Summary of research agenda for pathogenesis of biliary atresia”
49. Invited speaker: Special topic parallel session at the 2006 NASPGHAN meeting, Orlando, October 2006
“Immunopathogenesis of biliary atresia”
50. Chairman, Meet-the-Professor Luncheon, Post-Graduate Course: annual meeting of the American Association for Studies of Liver Disease, Boston, October 2006
“Biliary Atresia”
51. Invited speaker at the International Gastroenterology, Hepatology and Nutrition Symposium, Montevideo, Uruguay, December 2006. Talks on:
“What has happened with neonatal hepatitis?”
“Advances in biliary atresia”
“Hepatic manifestations of CF”
52. Visiting Professor, Division of Liver Diseases, Mount Sinai School of Medicine, New York, NY, March 2007
“Plasminogen and the control of liver repair and cell plasticity”
53. Faculty, Young Scientist Mentoring Breakfast at the 2007 meeting of the American Society for Clinical Investigation, Chicago, April 2007.
54. Visiting Professor, Divisions of Pediatric Gastroenterology, Pediatric Nephrology, and Liver Transplantation, Children’s Hospital at Montefiore, New York, May 2007. Speaker at the 3rd Ira Greifer Symposium
“Biliary atresia: A view from the bench.”
55. Moderator: AASLD Clinical Symposium on Biliary Atresia, 2007 DDW, Washington DC, May 2007.
56. Keynote speaker at the 34th Annual Meeting of the Japanese Society for Pediatric Gastroenterology, Hepatology and Nutrition, Sendai, Japan, October 2007
“Pathogenesis of biliary atresia: A view from the bench”
“The Jaundice Chip: High-throughput sequencing to detect mutations in children with intrahepatic cholestasis”
57. Visiting Professor at the National Center for Child Health and Development (Children’s National Hospital of Tokyo) and Juntendo University, October 2007
“Neonatal cholestasis: improved clinical care through patient-based research”
58. Invited speaker at the 2007 meeting of the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition, Salt Lake City, October 2007
“Chip-ing away the genes of cholestatic liver diseases”
59. Faculty, Early Morning Research Workshop, 2007 meeting of the American Association for Studies of Liver Disease, Boston, November 2007
“Microarrays”

60. Invited Speaker, Special Emphasis Clinical Symposium, 2007 meeting of the American Association for Studies of Liver Disease, Boston, November 2007
“Corticosteroid trial following portoenterostomy in children with biliary atresia”
61. Keynote speaker at the “Silveira Festschrift and Symposium on Pediatric Gastroenterology, Hepatology and Nutrition,” Porto Alegre (Brazil), November 2007
“Autoimmune basis of biliary atresia”
“Genetic testing for intrahepatic cholestasis in clinical practice”
“Novel treatments for intrahepatic cholestasis in children”
62. DSIOP Retreat, Marriott Hotel, Cincinnati, January 2008
“Liver clinic models”
“Biliary Atresia Research Consortium”
63. Faculty at the 2nd Retreat for the Center for Immunology Research, Cincinnati, July 2008
“Injury of bile ducts by the neonatal immune system”
64. Invited speaker at the 3rd World Congress of Pediatric Gastroenterology, Hepatology and Nutrition, August 2008, Iguassu Foz, Brazil
Pre-Congress Course: “Genetic basis of pediatric liver disease”
Plenary presentation: “Basic science to clinical practice: The Liver”
65. Faculty, Postgraduate course, Annual Meeting of the AASLD, November 2008
“Inherited syndromes of intrahepatic cholestasis: Clinical implications”
66. Faculty, NASPGHAN Symposium, Annual Meeting of the AASLD, November 2008
“The JaundiceChip and investigations of inherited cholestasis syndromes”
67. Visiting Professor at Johns Hopkins School of Medicine, February 2009
Pediatric Grand Rounds: “Biliary atresia as a model of translation research”
68. Visiting Professor, Liver Research Center and Federal University of Rio Grande do Sul, Porto Alegre, Brazil, November 2009
“Research methods for mechanistic studies on hepatobiology”
“New frontiers in experimental biliary atresia”
“Clinical pathological conference: End-stage disease due to intrahepatic cholestasis”
“Strategic planning for multi-center collaboration”
69. Visiting Professor, Sabin Children’s Hospital and Federal University of Ceara, Fortaleza, Brazil, February 2010
“Clinical synopsis and advances in biliary atresia”
“Metabolic diseases and liver transplantation in children”
“The biological basis of biliary atresia”
70. Visiting Professor, Vanderbilt University College of Medicine, April 2010
“Biliary atresia: Improving patient care by translational research”
71. Visiting Professor, Baylor College of Medicine, November 2010
“Pathogenesis of biliary atresia: What’s in a number?”
72. Invited Speaker, II Latin-American Workshop on Digestive System, Mexico, November 2010
“Intrahepatic cholestasis”
73. Visiting Professor, University of California in San Diego, May 2011
“New discoveries in biliary atresia”
74. Visiting Professor, Mayo Clinic School of Medicine, June 2011
“Biology of peribiliary glands”
75. Visiting Professor, Brasilia Children’s Hospital, April 2012
“New developments in biliary atresia: A fast track of discoveries”
76. Daniel Miller Lecturer, Children’s Mercy Hospital, Kansas City, August 2012

- “Pediatric cholestasis: Personalizing care for children with liver disease”
“Molecular basis of pediatric liver disease: Let me count the ways”
77. Faculty Speaker, 2012 Post-Graduate Course of the AASLD meeting, Boston, Nov 2012
“The \$500 genome: Implications for medicine and hepatology”
 78. Visiting Professor and Invited Speaker, 1st Fudan-Cincinnati Pediatric Summit, Shanghai, Nov 2012
“Personalized care of children with cholestasis”
“Research infrastructure for digestive disease research: IBD and EE”
 79. Distinguished Speaker, 4th World Congress of Pediatric Gastro, Hepatology, Nutr, Taipei, Nov 2012
“New concepts in biliary atresia”
“PFIC diagnosis: The challenge continues”
 80. Visiting Professor, Southern California Research Center for ALPD & Cirrhosis, University of Southern California, Los Angeles, Feb 2013
“The immune response in biliary atresia: Guilt and redemption”
 81. Visiting Professor, Scott & White Hospital, Texas A&M College Medicine, Temple, March 2013
“Interleukin 33, bile duct repair, and biliary atresia”
 82. Visiting Professor, University of Pittsburgh, Pittsburgh, April 2013
“The immune system as an unexpected source of mitogens”
 83. Visiting Professor, Hospital de Clinicas, Fed Univ Rio Grande Sul, Porto Alegre, Brazil, May 2013
“Digestive disease in children: From bench to bedside”
 84. Distinguished Speaker, 13th APPSPGHAN&40th JASPGHAN, Tokyo, Japan, November 2013
Co-Chair: Research on liver transplantation session
Conference: “Biliary atresia: Etiopathogenesis and design of new therapies”
 85. Distinguished Speaker, 15th Brazilian Congress of Ped GI, Hepatology, Nutrition, Natal, April 2014
Key-note speaker: “What’s new in biliary atresia”
Round-table conference: “Genetic diagnosis of cholestasis: The challenge continues”
 86. Visiting Professor, Liver Research Branch, Intramural Program, NIDDK, Bethesda, April 2014
“Neonatal immunity and biliary atresia: A story of guilt and redemption”
 87. Invited Speaker, 11th Retreat of Developmental Biology, Hamilton OH, April 2014
“Cytokines as unexpected survival signals to cholangiocytes”
 88. James A. Wright Memorial Grand Rounds Lecturer, Children’s of Alabama, the University of Alabama at Birmingham, August 2014
“Personalized care for children with cholestasis”
 89. Faculty, 2nd European Meeting of the Biliary Atresia Repository, Berlin, Germany, October 2014
“Research progress on biliary atresia”
 90. Guest Speaker, Plenary Session of the annual meeting of NASPGHAN, Atlanta, October 2014
“Practice of pediatric Hepatology: The future, today”
 91. Faculty, Early Morning Workshop, annual meeting of the AASLD, Boston, November 2014
“The many faces of PFIC”
 92. Guest Speaker, Cholangiocyte Biology Symposium, University of Pennsylvania, Philadelphia, December 2014
“Paracrine induction of cholangiocyte proliferation”
 93. Guest Speaker, Tumor Working Group, CCHMC and UCCOM, Cincinnati, January 2015
“Paracrine promotion of cholangiocyte proliferation and cholangiocarcinoma”

93. Visiting Professor, Yale Liver Center, Yale University, February 2015
“Lymphocyte-cholangiocyte circuit to control epithelial proliferation”
94. Visiting Professor, Lurie Children’s Hospital-Northwestern Hospital, Chicago, February 2015
“Biliary atresia: Understanding biology to define clinical phenotypes”
95. Distinguished Lecturer, I International Workshop on Intrahepatic Cholestasis, Porto Alegre, Brazil, October 2015
“Biliary atresia: What’s new that impacts treatment and outcome”
“Inborn errors of bile acid metabolism”
“Steroid treatment in biliary atresia: Gone or not yet?”
“Intrahepatic cholestasis: What to do when genotype does not match phenotype?”
“Emerging therapies for intrahepatic cholestasis”
96. Invited Speaker, the Midwest Digestive Disease Research Core Center Alliance, June 2016, Mayo Clinic, Rochester, MN
“The immune system as a modulator of biliary injury and repair”
97. Keynote Speaker, The 16th Brazilian Congress of Pediatric Gastroenterology, June 2016, Vitoria, Brazil
“The microbiome and liver diseases”
“Building livers and bile ducts: Time for organoids”
“Neonatal cholestasis: Diagnostics and Etiologies”
98. Invited Speaker, the World Congress Pediatric GI, Hepato & Nutr, October 2016, Montreal, Canada
“Pathogenesis of biliary atresia”
99. Keynote Speaker, The 7th International Meeting of Minimally Invasive Surgery, October 2016, Wuhan, China
“Translational opportunities in biliary atresia: Improving outcomes”
100. Invited Speaker, AASLD/NASPGHAN Symposium, 2016 meeting of the AASLD, Boston, MA
“Biliary Atresia: How has the outcome changed since the Kasai operation?”
101. Co-Chair, Basic Research Workshop, 2016 meeting of the AASLD, Boston, MA
“iPSC: A game changer in Hepatology Research”
102. Invited Speaker, LASPGHAN meeting in Porto, Portugal, June 2017
“Intrahepatic cholestasis in the XXI Century: Role of Genetic Panels”
103. Invited Speaker, NIH Workshop on Biliary Atresia, Bethesda, June 2017
“Immunologic effectors of biliary atresia: Injury and survival signals”
104. Invited Speaker, Emerging Trend Conference, Arlington, VA, March 2018
“Inflammation and fibrosis in biliary atresia”
105. Keynote Speaker, The 17th Brazilian Congress of Pediatric Gastroenterology, August 2018, Porto de Galinhas, Brazil
“Clinical investigation in inflammatory cholangiopathies”
“Novel strategies to diagnose and design new treatments for biliary atresia”
104. Invited Speaker, Asian-Pacific Association for Studies of the Liger, Manilla, The Philippines, February 2019
“Pathogenesis of pediatric NASH”
105. Invited Speaker, Digestive Disease Week Symposium on Pediatric Gastroenterology, San Diego, May 2019
“New development in etiology and pathogenesis of biliary atresia”
106. Invited Speaker, Argentine Congress of Hepatology, Buenos Aires, June 2019
“Intrahepatic cholestasis: From new genes to treatment”
“Advances in diagnosis and treatment of hereditary cholestatic syndromes”

- “Biliary atresia: Predictive models of diagnosis and outcomes”
107. Invited Speaker, Mexican Congress of Hepatology, Puerto Vallarta, June 2019
“Cholestasis: From basic science to clinical practice”
108. Distinguished Speaker (virtual), Annual Meeting of the Mexican Hepatology Association, June 2020
“Evaluation and treatment of children with metabolic disorders”
109. Course Faculty and Speaker (virtual), Virtual Pediatric Surgery Update, July 2020
“Controversies in biliary atresia”
110. Invited Speaker (virtual), Brazilian Hepatology Association and Latin American Hepatology Association, Brazil, July 2020
“Cholestasis in children and adolescents”
111. Invited Speaker (virtual), University of Campinas, Sao Paulo, Brazil, Sept 2020
“Biliary atresia: Variable pathogenesis, microbiome, and novel clinical approach”
112. Visiting Professor (virtual), Liver Research Center at the Univ of Pittsburgh, October, 2020
“Bile duct epithelium: Developmental defects and survival factors”
113. The Klatskin Lecturer – Basic Science, Yale University, January of 2021
“Native and foreign control of cholangiocyte survival and development.”
114. The Klatskin Lecturer for Yale College of Medicine, Yale University, January 2021
“Biliary atresia: Modeling the disease to improve patient care”
115. The second annual pediatric liver disease and transplantation symposium, Columbia University, January 2021
“Novel biomarkers and evidence of halted development in biliary atresia”
116. Visiting Professor (virtual), University of California, San Francisco, February 2021
“Mechanisms of biliary injury and epithelial survival”
117. Speaker, *NASPGHAN Visits LASPGHAN Webinar Series*, virtual, March 2021
“Biliary atresia: Advances in pathophysiology and relevance to clinical practice”

4. Editorial Service

- 1998 Guest editor: Seminars in Liver Disease, “Hepatobiliary disorders of childhood: Pathophysiology, clinical features and treatment”
- 2000 Guest editor: Clinics in Liver Disease, “Pediatric liver: helping adults by treating children”
- 2003 Preface to book: *Gastroenterologia e Hepatologia em Pediatria*. Editors: Ferreira, Carvalho, and Silva, Sao Paulo, Brazil.
- 2006 Guest editor: Seminars in Liver Disease, “Liver diseases in children”
- 2006-11 Editorial Board, Hepatology
- 2011-3 F1000 Section Head, Pediatric Gastroenterology and Hepatology, Faculty of 1000
- 2012-6 Associate Editor, Hepatology

5. Manuscript Review

Journal of Clinical Investigation
New England Journal of Medicine
Nature Medicine
Nature
Nature Reviews, Gastroenterology and Hepatology
Lancet
Gastroenterology
American Journal of Physiology
Hepatology
Journal of Hepatology

Journal of Pediatrics
 Journal of Pediatric Gastroenterology, Hepatology, and Nutrition
 Pediatric Research
 Pediatrics
 The Pediatric Infectious Disease Journal
 Fibrinolysis and Proteolysis
 American Journal of Pathology

6. Participation in CCHMC activities (not listed above)

1997-2005	Coordinator, Visiting Scholars Program, Div Gastroenterol, hepatol, Nutr
1998-2001	Coordinator, Pediatric Resident GI Rotation, Dept Pediatrics, Univ Cincinnati
1998-2001	Coordinator, Medical Student GI Rotation, Dept Pediatrics, Univ Cincinnati
1997-2005.1	Coordinator, GI/Radiology Conference, Dept Pediatrics, Univ Cincinnati
2010-10	Member, Faculty Dvpt Advisory Committee, CCHMC and Dept Pediatr, Univ Cinc
2012-14	Member, Recruitment Committee for Director of Developmental Biology
2012-2013	Advisory Committee, Gene Variation and Sequence Core
2012-15	Member, Recruitment Committee for Research Faculty, Liver Tumor Program
2017-	Member, Basic Science Research Committee
2015-	Member, G23 Committee
2017-	Member, R16 Committee

TEACHING

Academic courses, lectures, grand rounds at CCHMC/UC

- Pediatric medical students, residents and GI fellows: approximately 5% of my time, usually at the outpatient and inpatient clinical settings. Additional teaching time with GI fellows during endoscopic procedures.
- CME conference: "Helicobacter pylori", Cincinnati, Fall 1996.
- Lecturer in weekly GI topic conference: total of 2 conferences/year, from 1996-1999.
- Lecturer in Pediatric Resident Conference: 2 conferences in 1996
- Article for the magazine *Young & Healthy*, entitled "Reflux vomiting: messy but normal", Spring 1999;10:8-9.
- Invited faculty for *Professor Rounds*, with senior residents, February, 1999.
- Morning Report: Evaluation of the infant with "neonatal hepatitis", December, 1999.
- Lecture to medical students: "The pediatric approach to health and disease", Feb 2000.
- Lecture at the GI Division: "The molecular basis of gastrointestinal diseases", 2001.
- Clinico-Pathological Conference: "Mechanisms of liver disease and repair", 2002.
- Lecture to Dept Surgery: "Regulation of liver repair by plasminogen", 2002
- Lecture at the GI Division: "Biliary atresia: a model of translational research", 2002
- Conference to GI Fellows: "Neonatal cholestasis: new insights into an old disease", 2002
- Conference to GI Fellows: "Biliary atresia", 2002.
- Endoderm Group, CCHMC: "Plasminogen regulation of plasticity of the digestive system".
- Resident's Firm Rounds: Discussion of an infant with multiple hepatic abscesses, 2003.
- Resident's conference: "Neonatal cholestasis: Establishing priorities", 2003.
- Talk at the Endoderm Group, CCHMC: "Genetic reprogramming of the liver to a pancreatic phenotype in mice", 2003.
- Resident research Mini-Retreat: "Biliary atresia: A model of translational research".
- Fellow's conference: "Career in basic science research: A personal perspective", 2003.

- Developmental Biology Series: “Development and disease of the liver”, 2003.
- Lecture at Division of Pathology: “Loss of interferon-gamma prevents biliary obstruction in a mouse model of biliary atresia” 2003.
- Talk at the Endoderm Group, CCHMC: “Biliary atresia: development-specific injury to bile ducts”, 2004.
- Talk at the T-Cell Working Group, CCHMC: “Hepatic lymphocytes and biliary atresia”, 2004.
- Pediatric Grand Rounds, CCHMC: “Clinico-Pathologic Conference: an infant with liver failure”, 2004.
- Pratt Series: “IFNgamma and bile duct obstruction in biliary atresia”, 2004.
- GI Fellows’ Conference: “Career in basic sciences: A personal perspective”, 2004.
- Talk at GI rounds: “Dissecting pathogenesis of biliary atresia”, 2004
- Surgery Research Conference, University of Cincinnati MSB: “Lymphocyte signaling and biliary injury”, 2004.
- Clinico-Pathological Conference: “Infant with cholestasis”, 2004.
- Pediatric Grand Rounds: “Improving outcome of children with biliary atresia,” 2004.
- Resident Research Conference: “Investigating the hepatic transcriptome in children with liver disease,” January, 2006.
- Resident Research Conference: “Pediatric liver disease as a model of translational research,” August 2006
- Clinical Conference: “Neonatal cholestasis,” educational series on pediatric research to pediatric residents at CCHMC, March, 2006
- Resident Research Conference: “Translational research in pediatric liver disease,” research series for pediatric residents at CCHMC, July, 2006
- GI fellow research conference: “Career in basic research for physician scientists,” divisional conference series to GI fellows, December, 2006
- Clinical Conference: “Phenotypic algorithm for neonatal cholestasis,” educational series on pediatric research to pediatric residents at CCHMC, August 2007
- Pediatric Resident Clinical Conference: “Pediatric cholestasis,” February 2008
- Research Fellow’s Conference: “Biliary atresia: A model of translational research,” Department of Digestive Disease, University of Cincinnati College of Medicine, February 2009
- Graduate Program on Cell and Molecular Physiology: “Innate immunity and neonatal biliary injury” University of Cincinnati College of Medicine, April 2010
- Pediatric Resident Clinical Conference: “Pediatric cholestasis,” September 2010
- GI fellow conference: “Academic career in gastroenterology for physician scientists,” divisional conference series to GI fellows, December, 2011
- Graduate Program on Molecular and Developmental Biology: “Disorders of liver development presenting as clinical syndromes,” CCHMC, January 2012
- Pediatric Resident Clinical Conference: “Pediatric cholestasis,” August 2013
- Faculty presentation: “Multi-center studies: Applying for U01 awards,” August 2013
- Faculty Leadership Talk: “Management of research centers,” March 2014
- Graduate Program on Molecular and Developmental Biology: “Liver development and clinical syndromes,” CCHMC, April 2014
- Speaker, Mentorship Symposium: “Junior faculty mentorship,” Office of Faculty Development, September 2014
- Faculty presentation: “Translational research on biliary atresia,” Faculty Forum, CCHMC, September 2015
- Speaker, Research Seminar of the Digestive Health Center: “Mining the immune system to

understand biliary injury and repair,” CCHMC, January 2016

- Faculty presentation: “Liver development and clinical manifestations of disease,” Molecular and Developmental Biology Graduate Program, March 2016
- Pediatric Resident Clinical Conference: “Pediatric cholestasis,” March 2018
- Faculty Presentation: “Research program on biliary atresia,” March, 2020

Student mentorship (clinical and research)

1997-1998	Stephanie Locaputo
2003	Mindy Miskovichi
2004	David Schleimer
2006-7	Gregory Kaufmann
2007	David Johnson
2008	Aron Roberts
2008	Kalyaan Rao
2009	Chelsea Utt
2009	Nick Sanger
2009-10	Eric Dilbone, Vanderbilt University – 2015: Medical School at Emory Univ
2011	Wenting Huang, graduate student in Immunobiology, CCHMC
2010-12	Janet Pfister – In 2016: D.O., pediatric resident at Wright State University
2012	Elizabeth Westfall, Univ of Virginia – In 2015: Physician Assistant, South Carolina
2012-13	Jaymie Ogino
2013	Mera Coyan, Mariemont High School
2013	Karis Kosar, Notre Dame University
2013	Nataraja Vaitinadin
2014	Karis Kosar, Notre Dame University – PhD graduate student at Univ Pittsburgh
2014	Kit Carney, Miami University
2014	Kieran Phelan, Notre Dame University
2014	KC Sullivan, Ohio State University
2014	Lakmah Akenieki, University of Cincinnati
2015	Kieran Phelan, Notre Dame University – 2019: MD/PhD Program at Univ Cincinnati
2015	Kit Carney, Miami University – 2019: Medical Student at the Univ Cincinnati
2015	Mera Coyan, Harvard – 2019: Medical Student at the Univ Cincinnati
2016	Jennifer Saxton, Ohio State University – 2019: Applying for PT Graduate Schools
2016-17	Patrick Renner, Notre Dame University – 2019: Medical Student
2018	Nicole Wyer, University of Notre Dame
2018	Gregorio, University, New York University
2019	Amanda Peck, Univ of Virginia – 2019: Applying for medical schools
2019	Annalise Heinebaugh, Univ of Michigan (sophomore)
2020	Wenqi Li, Univ of Cincinnati College of Medicine (graduate student)

Training (graduate and postgraduate levels; * level of funding outlined at the end of table)

Trainee	Dates	Training level	Graduation	Research project	Current position
Nada Yazigi, MD	95-6	Res. Fellow	Amer Univ, Beirut 1988	Hepatocyte transplantation	Assoc Prof, Georgetown Univ.
Hector Aldana, MD	98-00	Res. Fellow	Univ Guadalajara, 1992	Hepatocyte transplantation	Assoc Prof Northwestern Univ*
Vicky Ng, MD	98-00	Res. Fellow	Univ Toronto, 1993	Plasminogen and stellate cell	Prof, Univ Toronto, Canada*

John Pohl, MD	99-01	Res. Fellow	Univ Texas, Galveston, 1995	Plasminogen and cirrhosis	Assoc Prof Univ Utah
N. Loughnane, PhD	00-01	Res. Fellow	Boston College, 1997	Genomics & liver regeneration	Scientist, Air Force Base
Angela Currier, PhD	99-02	Res. Fellow	Miami Univ, 1999	Plasminogen and liver repair	Assoc Prof Dayton Tech Coll
K. Campbell, MD	01-03	Res. Fellow	Christian Brother Univ, 1990	Genomics and cholestasis	Assoc Prof Univ. Cincinnati
Dongyi Zhang, PhD	01-03	Res. Assoc.	Peking Univ.	Liver systems for xenobiotic metabolism	Assoc Prof Peking College
C. Ivantes, MD	05-06	Res. Fellow	Curitiba, Brazil	SOCS and biliary atresia	Adjunct Prof Univ Curitiba, Brazil
N. Ericksson, MD	04-06	Res. Fellow	Univ Minnesota, 2000	Apoptosis and biliary atresia	Assoc Prof Univ Minnesota
E. Carvalho, MD	04-05	Grad Stud	Univ of Brasilia, Brazil, 1988	Gene expression in bile ducts	Chair of Pediatrics Univ Brasilia, Brazil
V. Venkaat, MD	05-06	Res. Fellow	Univ Pittsburgh, 2001	Mig and biliary atresia	Asst Prof Univ Pittsburgh
S. Mohanti, PhD	03-08	Res. Fellow	Orissa Univ, India 1995	Lymphocyte function & biliary atresia	Assist Prof Pediatrics Univ. Cincinnati
C. Pacheco, MD	06-07	Res. Fellow	Univ of Cincinnati	MIP2, neutrophils and biliary atresia	Staff Pathologist Univ Minnesota
K. Moyer, MD	07-09	Res. Fellow	Oregon St University, 2002	Functional genomics of biliary atresia	Staff gastroenterol, Portland, OR
P. Ueno, PhD	09-09	Res. Fellow	UT San Antonio, TX, 2008	NFKB in biliary atresia	Research staff, Procter & Gamble
J. Mattner, MD, PhD	08-09	Asst Professor	Univ Chicago	Mechanisms of PBC – Jr Faculty Mentor	Professor Hannover Univ, Germany
G. Tiao, MD	05-10	Asst Professor	Northwestern Univ, IL 1986	Pathogenesis of biliary atresia – K08 mentor	Professor* Univ. Cincinnati
V. Kaimal	06-10	Graduate Student	University of Pune, India	Computational approach to study miRNA	Staff, Regulus Therapeutics, CA
Z. Khan, MD PhD	09-10	Resident	Univ Pittsburgh	MicroRNA arrays in biliary atresia	Assist Prof Univ Pittsburgh
P. Shivakumar, PhD	02-11	Res. Associate	Univ of Mumbai, India, 2001	Immunology & biliary atresia	Assoc Professor Univ. Cincinnati*
A. Miethke, MD	06-11	Res. Fellow	Humboldt-Univ, Germany 2000	Genetics of cholestasis; Treg in biliary atresia	Assoc Professor Univ. Cincinnati*
S. Xanthakos, MD	08-14	Asst Professor	Duke Univ, 1997	NASH – K23 mentor	Professor Univ. Cincinnati*
R. Kohli, MD	08-14	Asst Professor	Univ Pune, India 1998	Fatty liver and bariatric surgery – K08 mentor	Assoc Professor Univ Southern CA
J. Nathan, MD	09-14	Asst Professor	Yale Univ, 1993	Parenteral nutr induced liver dz - Jr Fac Mentor	Assoc Professor Univ. Cincinnati*
K. Bessho, MD	10-13	Visiting Scientist	Univ of Osaka, Japan, 2005	Molecular footprint of human biliary atresia	Assoc Professor Osaka Univ, Japan
F. DiPaola, MD	10-12	Res. Fellow	Univ North Carolina, 2006	Progenitor cells in bile ducts	Assoc Professor Univ of Virginia
R. Sheridan, MD	10-12	Res. Fellow	Univ Cincinnati	Molecular basis of liver injury in Lampe1 mice	Assoc Professor Wright State Univ, Dayton OH
M. Choquette, MD	11-13	Res. Fellow	Univ Cincinnati	Regulation of duct injury by microRNAs	Assistant Prof Ohio State Univ
J. Squires, MD	12-15	Res. Fellow	Univ Cincinnati	Cellular basis of liver injury in biliary atresia	Assist Prof Univ of Pittsburgh
T. Mizuochi,	12-15	Res.	Kurume Univ,	Inflammasome and biliary	Assist Prof

MD,PhD		Fellow	Japan	aresia	Kurume Univ, Japan
Akihiko Asai, MD PhD	13-16	Res. Fellow	Tokyo Univ and Harvard Univ	MicroRNA and genetics of liver disease	Assist Prof Univ. Cincinnati
Chatmanee Leuo, MD	15-7	Res. Fellow	Thailand Univ 2009	Biomarkers of biliary atresia	Assist Prof Thailand University
Anna Peters, MD/PhD	15-	Res. Fellow	Univ Iowa 2009	Lymphoid cells in biliary atresia	Assist Prof Univ of Cincinnati
Zhenhua Luo, PhD	15-	Res. Fellow	Hong Kong Univ 2015	Systems biology in biliary injury	Assist Prof Sun Yat-sen Univ, China
Junbae Jee, PhD	15-20	Res. Fellow	Ohio State Univ 2014	Microbiome in biliary atresia	Research Scientist Seoul Univ, South K.
Zhenhua Luo, PhD	15-20	Res. Fellow	Hong Kong Univ 2015	Systems biology in biliary injury	Assist Prof Guangzhou Univ, China
Yang Li, MD	15-	Res. Fellow	Chinese Univ 2010	Inflammasome in biliary atresia	
Surya Amarachintha	17-	Res. Assoc	All Indian Inst	Biliary organoids	
Julie Osborne, PhD	19-	Clin Fellow	Univ Cincinnati	Protein biomarkers of portal hypertension	
Wenqi Li	20-	Grad Student	Univ Cincinnati	Inflammation in BA	
Sindhu Purajanbi	20-	Clin Fellow	Univ Cincinnati	MMP-7 in BA	
Seung Kim	20-	Res. Fellow	Seoul University	Ciliopathy in BA	
Hiro Ayabe	20-	Post Doc Fellow	Yokohama City Univ	BA organoid	
Kenichiro Konishi	20-	Res. Fellow	Kurumi University, Japan	In vivo differentiation of BA organoids	
Abigail Russi	20-	Resident Fellow	Univ Cincinnati	IL-33 and cholangiocyte growth	
Wenqi Li	20-	Graduate Student	Univ Cincinnati Immunobiology	Macrophage and cholangiocyte crosstalk	

*Funding and awards (previous and current):

Name	Source and Type of Award	Role of trainee
H. Aldana	NIDDK-U01	Co-investigator
V. Ng	Canadian Research Council NIDDK-U01	PI Co-investigator
J. Mattner	NIDDK-R01	PI
G. Tiao	NIDDK-K08 (ended) NIDDK-R01	PI PI
P. Shivakumar	AASLD-Career Transition Award NIDDK-U01	PI Co-investigator
A. Miethke	NIDDK-CLiC-Clinical Fellow Award (ended) AASLD-Post-Doctoral Fellow Award (ended) AASLD-Career Transition Award (ended) NIDDK-R01	PI PI PI PI
S. Xanthakos	NIDDK-K23 then R01 NIDDK-U01	PI Co-investigator
R. Kohli	NIDDK-K08 then R01 NIDDK-U01	PI Co-investigator
J. Nathan	NIDDK-LRP	PI

Year(s): 2011-2

- Awardee: Frank DiPaola, MD Bezerra's role: Mentor
Title: Postdoctoral Fellowship Research Award
Source: American Liver Foundation
Year(s): 2011
- Awardee: Monique Choquette, MD Bezerra's role: Mentor
Title: Micro RNAs in pathogenesis of biliary atresia
Source: NIH Loan Repayment Program
Year(s): 2010-13
- Awardee: Frank DiPaola, MD Bezerra's role: Co-Mentor
Title: Advanced Hepatology/Liver Transplant Fellowship
Source: American Association for Studies of Liver Disease
Year(s): 2012
- Awardee: James Squires, MD Bezerra's role: Mentor
Title: Postdoctoral Fellowship Research Award
Source: American Liver Foundation
Year(s): 2013
- Awardee: Maisam Abu-El-Haija, MD Bezerra's role: Mentor
Title: PancreasCHIP: A diagnostic tool for children with chronic pancreatitis
Source: NIDDK R43DK105640
Year(s): 2015
- Awardee: Akihiro Asai, MD, PhD Bezerra's role: Mentor
Title: Postdoctoral Fellowship Research Award
Source: American Liver Foundation
Year(s): 2015
- Awardee: Anna Peters, MD, PhD Bezerra's role: Mentor
Title: Postdoctoral Fellowship Research Award
Source: American Liver Foundation
Year(s): 2016
- Awardee: Akihiro Asai, MD, PhD Bezerra's role: Mentor
Title: Faculty Transition Award
Source: North American Society for Pediatric Gastroenterology, Hepatology and Nutrition
Year(s): 2016-8
- Awardee: Akihiro Asai, MD, PhD Bezerra's role: Mentor
Title: Faculty Transition Award
Source: NASPGHAN
Year(s): 2017-8
- Awardee: Akihiro Asai, MD, PhD Bezerra's role: Mentor
Title: Pinnacle Award - Faculty Transition Award
Source: AASLD
Year(s): 2018-20
- Awardee: Anna Peters, MD, PhD Bezerra's role: Mentor

Title: NIH KL12 Award
Source: CCHMC
Year(s): 2020-21

- Awardee: Abigail Russi, MD, PhD
Title: Emerging Liver Scholar Award
Source: AASLD
Year(s): 2020
- Bezerra's role: Mentor

GRANT SUPPORT

Current

Title: Immunologic dysfunction in biliary atresia
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: \$294,000
Beginning and ending dates: July 2003-January 2023
Source: NIH R01 DK 064008

Title: Biological basis of phenotypes and clinical outcomes in biliary atresia
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: \$290,000
Beginning and ending dates: July 2009-January 2024
Source: NIH R01 DK 083781

Title: Clinical center for biliary atresia: Etiopathogenesis and clinical outcome
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: \$450,000
Beginning and ending dates: July 2009-June 2024
Source: NIH U01 DK 62497

Title: Digestive Health Center: Bench-to-bedside research on pediatric digestive disease
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: \$ 750,000
Beginning and ending dates: July 2007-June 2022
Source: NIH P30 DK078392

Clinical Trials

- *PI – Prospective clinical trial of Tenofovir for children with chronic HBV (2014-2019)*
- *Co-investigator (PI: Balistreri) – Prospective clinical trial of Sofosbuvir for children with chronic HCV-genotypes 2 and 3 (Gilead: 2014-2019)*
- *Co-investigator (PI: Balistreri) – Prospective clinical trial of Sofosbuvir for children with chronic HCV-genotypes 1-6 (Gilead: 2014-2019)*

Previous grants:

Source: NIH K08 DK 02341
Title: Biological role of hepatocyte growth factor-like protein
Direct cost: \$406,872.00 (total)
Year 5: 1999-2000 (\$81,374.00)

Source: NIH P30-HD28827, Career Development Award
Title: Molecular regulation of hepatocellular transplantation
Years 1996-7; Direct cost: \$82,000

Source: American Gastroenterological Association
Type: Mentor, Student Research Fellowship Award, to Stephanie Locaputo
Year: 1997; Cost: \$2,500

Source: Mead Johnson Nutritionals, Inc.
Type: Unrestricted educational grant
Year: 1998; Cost: \$1,500

Source: Society for Pediatric Pathology
Type: Mentor, Pathology Young Investigator Award, to Hector Melin-Aldana, M.D.
Year: 1999; Cost: 10,000

Source: University of Cincinnati College of Medicine
Type: Mentor, Medical Student Summer Research Award, to Stephanie Locaputo
Year: 1999; Cost: 3,000

Source: Fujisawa, Inc.
Type: Unrestricted educational grant, invited speaker to Pediatric Liver Care Center
Year: 2000; Cost: 2,000

Source: NIH RO3 DK 56232
Title: Hepatocyte growth factor-like protein: in vivo function
Direct cost: \$50,000
Year: 1999-2000

Source: Roche Organ Transplantation Research Foundation
Title: Molecular control of liver cell transplantation
Direct cost: \$228,000
Year: 1999-2002

Source: Translational Research Initiative, Cincinnati Children's Hosp Res Foundation
Title: Transcriptional regulation of biliary atresia
Direct cost: \$100,000
Year: 2002-2003

Source: NIH RO1 GM 60213 – Bezerra as Co-P.I.
Title: Reconstitution of gene regulation during liver regeneration
Direct cost: \$78,000
Year 4 of 4: 2003-2004 (\$19,500)

Title: Alpha-1-antitrypsin gene as a modifier of liver disease
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: 45,000
Beginning and ending dates: July 2003-June 2005
Source: American Liver Foundation, Innovative Seed Grant

Title: The Jaundice chip: diagnostic tool for cholestatic liver disease
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: \$154,039

Beginning and ending dates: May 1, 2006-April 30, 2007
Source: NIH R41-DK075162

Title: Molecular determinants of clinical phenotypes in biliary atresia
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: \$158,000
Beginning and ending dates: July 1, 2006-June 30, 2008
Source: NIH R56-DK070820

Title: Pre-clinical trials to block progression of duct obstruction in biliary atresia
Principal Investigator: Jorge A. Bezerra, M.D.
Source: American Liver Foundation
Annual direct cost: \$100,000
Beginning and ending dates: July 1, 2006-June 30, 2008
Source: NIH R41-DK075162

Title: Genetic basis of cholestatic liver disease
CLiC Fellowship Award – University of Denver (NIH-subcontract)
Principal Investigator: Alexander Miethke (Mentor: Jorge A. Bezerra)
Beginning and ending dates: July 2006-June 2008

Title: The Jaundice chip: diagnostic tool for cholestatic liver disease
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: \$154,039
Beginning and ending dates: July 2007-June 2009

Source: NIH R42-DK075162
Title: The plasminogen system and liver repair
Principal Investigator: Jorge A. Bezerra, M.D.
Annual direct cost: \$180,000
Beginning and ending dates: July 1999-November 2010

Title: ARRA Admin supplement to DHC: Bench-to-bedside research in pediatric digestive disease
Principal Investigator: Jorge A. Bezerra, M.D.
Direct cost: \$ 294,200
Beginning and ending dates: July 2009-June 2011
Source: NIH P30DK 78392-03S1

Title: ARRA Admin supplement to Clinical Center for Cholestatic Liver Disease in Children
Principal Investigator: Jorge A. Bezerra, M.D.
Direct cost: \$ 109,981
Beginning and ending dates: March 2010-June 2011
Source: NIH U01DK 62497

Title: Core equipment to DHC: Bench-to-bedside research in pediatric digestive disease
Principal Investigator: Jorge A. Bezerra, M.D.
Direct cost: \$ 88,220
Beginning and ending dates: October 2010-September 2011
Source: NIH P30DK 78392-04S1

Title: PancreasCHIP: A diagnostic tool for children with chronic pancreatitis
Principal Investigator: Frank Zemlan (Bezerra: Co-Investigator)
Direct cost: Year 1 \$174,000

Beginning and ending dates: March 2015-Feb 2016
Source: NIH R43 DK105640

Title: LiverChip: A diagnostic tool for cholestatic liver disease
Principal Investigator: Frank Zemlan (Bezerra: Co-PI)
Direct cost: Year 1 \$424,527, Year 2 \$374,245
Beginning and ending dates: March 2012-Oct 2016
Source: NIH R44 DK093214

PUBLICATIONS

h-Index: 50 and i10-index: 97 (accessed on 1/11/21)

PEER-REVIEWED PAPERS

1. Goda T, **Bezerra J**, Bustamante S, Flores C, Kaplan M, Koldovsky, MacDonald MP. Postweaning changes of jejunal protein and activity of disaccharidases in obese mice and lean littermates. *Fed Proc* 1985;44:1165.
2. Flores C, **Bezerra J**, Wells M, Koldovsky O. Measurement of the rate of fat-absorption by the C14 triolein breath test. *Fed Proc* 1986;45:538.
3. Flores C, **Bezerra J**, Goda T, Bustamante S, MacDonald M, Kaplan M, Koldovsky O. Effect of high dextrose diet on sucrase and lactase activity in jejunum of obese mice (C57Bl/6J obob). *J Am Coll Nutr* 1986;5:565.
4. Flores C, **Bezerra J**, Goda T, Bustamante S, Pongratz G, Koldovsky O. Effect of diet on intestinal sucrose (su) lactase (la), and maltase (ma) activity in pigs. *Am J Clin Nutr* 2016;43:124.
5. Lee S, Bustamante S, Flores C, **Bezerra J**, Goda T, Koldovsky O. Chronic effect of an alpha-glucosidase inhibitor (Bay-o-1248) on intestinal disaccharidase activity in normal and diabetic mice. *J Pharm Exp Therapy* 1987;240:132.
6. Flores C, Brannon P, Bustamante S, **Bezerra J**, Butler K, Goda T, Koldovsky O. Effect of diet on intestinal and pancreatic enzyme activities in the pig. *J Pediatr Gastroenterol Nutr* 1988;7:914.
7. Grant J, **Bezerra JA**, Thompson S, Lemen R, Koldovsky O, Udall J. Assessment of lactose malabsorption by measurement of urinary galactose. *Gastroenterology* 1989;97:895-899.
8. Flores C, **Bezerra J**, Bustamante S, Goda T, MacDonald M, Kaplan M, Koldovsky O. Age-related changes in sucrase and lactase activity in the small intestine of 3 and 10 week-old obese mice (C57Bl/6J obob). *Am J Coll Nutr* 1990;9:255.
9. **Bezerra JA**, Duncan B, Udall JJr. Dietary management of acute diarrhea: Fast or feed? *Int Pediatr* 1990;5:300.
10. **Bezerra JA**, Thompson B, Morse M, Koldovsky O, Udall J. Intestinal permeability to intact lactose in newborns and adults. *Biol Neonate* 1990;58:334-342.
11. **Bezerra JA**, Stathos T, Duncan B, Gaines J, Udall J. Treatment of infants with acute diarrhea: What's recommended and what's practiced. *Pediatrics* 1992;90:1-4.
12. **Bezerra JA**, Duncan B, Anderson F. A one-month-old infant who had a "double bubble". *Hosp Pract* 1992;27:255-258.
13. **Bezerra JA**, Han S, Danton MJS, Degen SJF. Are hepatocyte growth factor-like protein and macrophage stimulating protein the same protein? *Prot Sci* 1993;2:666.

14. **Bezerra JA**, Witte D, Aronow B, Degen SJF. Hepatocyte-specific expression of the mouse hepatocyte growth factor-like protein. *Hepatology* 1993;18:394-399.
15. Laney DW, Jr, **Bezerra JA**, Kosiba JL, Degen SJF, Cohen MB. Upregulation of the *Escherichia coli* heat-stable enterotoxin receptor in the regenerating liver. *Am J Physiol* 1994;29:G899-906.
16. **Bezerra JA**, Laney DWJr, Degen SJF. Increased expression of mRNA for hepatocyte growth factor-like protein during liver regeneration and liver inflammation. *Biochem Biophys Res Commun* 1994;203:666-673.
17. Cohen MB, Mezzoff AG, Laney DWJr, **Bezerra JA**, Beane BM, Drazner D, Baker R, Moran JR. Use of a single solution for oral rehydration and maintenance therapy of infants with diarrhea and mild to moderate dehydration. *Pediatrics* 1995;95:639-645.
18. **Bezerra JA**, Balistreri WF. "Only the strong survive", editorial. *Hepatology* 1996;24:1321-1322.
19. Yazigi N, Bucuvalas J, Carrick T, Schmidt C, Balistreri W, **Bezerra JA**. Expansion of transplanted hepatocytes during liver regeneration. *Transplantation* 1997;64:816-820.
20. Lee P-C, Struve MF, **Bezerra JA**, Duncan B. Effects of protein malnutrition on liver cytochrome P450s. *Nutr Res* 1997;17:1577-1587.
21. **Bezerra JA**, Carrick T, Degen JL, Witte D, Degen SJF. Biological effects of the targeted inactivation of hepatocyte growth factor-like protein in mice. *J Clin Invest* 1998;101:1175-1183.
22. Du H, Sheriff S, **Bezerra J**, Leonova T, Grabowski GA. Molecular and enzymatic analyses of lysosomal acid lipase in cholesteryl ester storage disease. *Mol Genet Metabol* 1998;64:126-134.
23. Rudolph JA, **Bezerra J**, Alonso M. EBV disease of the gastrointestinal tract. *Gastroenterology* 1999;116:788.
24. Locaputo S, Carrick TL, **Bezerra JA**. Zonal regulation of gene expression during liver regeneration of urokinase transgenic mice. *Hepatology* 1999;29:1106-1113.
25. **Bezerra JA**, Balistreri WF. Intrahepatic cholestasis: "Order out of chaos", editorial. *Gastroenterology* 1999;118:1496-1498.
26. Pohl JF, Murarka P, Farrell MK, **Bezerra JA**. Pylephlebitis. *J Pediatr* 1999;135:529.
27. **Bezerra JA**, Bugge TH, Melin-Aldana H, Sabla G, Kombrinck KW, Witte DP, Degen JL. Plasminogen deficiency leads to impaired remodeling following a toxic injury to the liver. *Proc Natl Acad Sci USA* 1999;6:15143-15148.
28. Ng VL, Ryckman FC, Porta G, Miura IK, Carvalho E, Servidoni MF, **Bezerra JA**, Balistreri WF. Long-term outcome following partial external biliary diversion for intractable pruritus in patients with extrahepatic cholestasis. *J Pediatr Gastroenterol Nutr* 2000;30:153-157.
29. **Bezerra JA**, Bugge TH, Melin-Aldana H, Sabla G, Kombrinck KW, Witte DP, Degen JL. Plasminogen activators direct reorganization of the liver lobule after an acute liver injury. *Am J Pathol*, 2001;158:921-927.
30. Degen JL, Drew AF, Palumbo JS, Kombrinck KW, **Bezerra JA**, Danton MJ, Holmback K, Suh TT. Genetic manipulation of fibrinogen and fibrinolysis in mice. *Ann N Y Acad Sci* 2001;936:276-90.
31. Ng VL, Sabla GE, Melin-Aldana H, Degen JL, **Bezerra JA**. Plasminogen deficiency perpetuates the activated phenotype of hepatic stellate cells after an acute injury. *J Hepatol* 2001;35:781-9
32. Pohl JF, Melin-Aldana H, Sabla G, Degen JL, **Bezerra JA**. Plasminogen deficiency leads to impaired lobular reorganization and matrix accumulation after chronic liver injury. *Am J Pathol*, 2001;159:2179-86.

33. Kelley-Loughnane N, Sabla GE, Ley-Ebert C, Aronow BJ, **Bezerra JA**. Independent and overlapping transcriptional activation during liver development and regeneration in mice. *Hepatology* 2002;35:525-534.
34. Bates MD, Erwin CR, Sanford LP, Wiginton D, **Bezerra JA**, Schatzman LC, Jegga AG, Ley-Ebert C, Williams SS, Steinbrecher KA, Warner BW, Cohen MB, Aronow BJ. Novel genes and functional relationships in the adult mouse gastrointestinal tract identified by microarray analysis. *Gastroenterology* 2002;122:1467-1482.
35. **Bezerra JA**, Tiao G, Ryckman FC, Alonso M, Sabla GE, Shneider B, Sokol RJ, Aronow BJ. Genetic induction of proinflammatory immunity in children with biliary atresia. *Lancet* 2002;360:1653-1659.
36. **Bezerra JA**, Aronow BA. Gene expression profiling in biliary atresia – author reply. *Lancet* 2003;361:971-2.
37. Currier AR, Sabla G, Locaputo S, Melin-Aldana H, Degen JL, **Bezerra JA**. Plasminogen directs the pleiotropic effects of uPA in liver injury and repair. *Am J Physiol* 2003;284:G508-515.
38. Campbell K, Sabla G, **Bezerra JA**. Transcriptional Reprogramming in Murine Liver Defines the Physiologic Consequences of Biliary Obstruction. *J Hepatol* 2004;40:14-23.
39. Zhang DZ, Sabla G, Shivakumar P, Tiao G, Sokol RJ, Mack C, Shneider BL, Aronow B, **Bezerra JA**. Coordinate expression of regulatory genes differentiates embryonic and perinatal forms of biliary atresia. *Hepatology* 2004;39:954-62.
40. Shivakumar P, Campbell K, Sabla G, Tiao G, McNeal, Ward R, **Bezerra JA**. Obstruction of extrahepatic bile ducts is regulated by IFN γ in experimental biliary atresia. *J Clin Invest*, 2004;114:329. PMID 40066997.
41. Shivakumar P, **Bezerra JA**. Biliary atresia and Th1 function: Linking lymphocytes and bile ducts. *Pediatr Res* 2004;56:9-10.
42. **Bezerra JA**, Sokol RJ. Hepatic gene expression profile and clinical phenotypes: Letter to the editor. *Hepatology* 2005;41:403-405.
43. Tiao GM, Alonso M, **Bezerra J**, Yazigi N, Heubi J, Balistreri W, Bucuvalas J, Ryckman F. Liver transplantation in children younger than 1 year – the Cincinnati experience. *J Pediatr Surg* 2005;40:268-273.
44. Balistreri W, **Bezerra JA**, Jansen P, Shneider B, Karpen S, Suchy F. Intrahepatic cholestasis: Summary of an AASLD single topic conference. *Hepatology*, 2005;42:222-235.
45. Shanmukhappa K, Mourya RR, Sabla GE, Degen JL, **Bezerra JA**. Hepatic to pancreatic switch defines a novel role for hemostatic factors in cellular plasticity. *Proc Natl Acad Sci USA* 2005;102:10182-10187.
46. Carvalho E, Liu C, Shivakumar P, Sabla G, Aronow B, **Bezerra JA**. Analysis of the biliary transcriptome in experimental biliary atresia. *Gastroenterology* 2005;129:713-717.
47. Mohanty S, Shivakumar P, Sabla G, **Bezerra JA**. Loss of interleukin-12 modifies the pro-inflammatory response but does not prevent duct obstruction in experimental biliary atresia. *BMC Gastroenterology* 2006;6:14.
48. Shneider BL, Brown MB, Haber B, Whittington PF, Schwarz K, Squires R, **Bezerra JA**, Shepherd R, Rosenthal P, Hoofnagle JH, Sokol RJ. A multicenter study of the outcome of biliary atresia in the United States, 1997 to 2000. *J Pediatr* 2006;148:467-474.
49. Lugea A, Nan L, French SW, **Bezerra JA**, Gukovskaya AS, Pandol SJ. Pancreas recovery following caerulein-induced pancreatitis is impaired in plasminogen-deficient mice. *Gastroenterology* 2006;131:885-899.
50. **Bezerra JA**, Shneider BL. Genetic modifiers of cholestatic liver disease: an evolving field. *J Pediatr Gastroenterol Nutr* 2006;42:7-8.

51. Shanmukhappa K, Sabla G, Degen S, **Bezerra JA**. Urokinase-type plasminogen activator supports liver repair independent of its cellular receptor. *BMC Gastroenterol* 2006;6:40.
 52. Allen SR, Jafri M, Donnelly B, McNeal M, Witte D, **Bezerra JA**, Ward R, Tiao GM. The effect of rotavirus strain on the murine model of biliary atresia. *J Virol* November 2007;84:1671-9.
 53. Campbell KC, Arya G, Ryckman FC, Alonso M, Tiao G, Balistreri WF, **Bezerra JA**. High prevalence of alpha-1-antitrypsin heterozygosity in children with chronic liver disease. *Pediatr Gastroenterol Nutr* 2007;44:99-103.
 54. Liu C, Aronow BJ, Miethke A, Mourya R, Jegga A, **Bezerra JA**. Novel resequencing chip to diagnose mutations in patients with intrahepatic cholestasis. *Gastroenterology* 2007;132:119-126.
 55. Sokol R, **Bezerra JA**, Shepherd R, Superina R, Hoofnagle J. Summary of a NIH symposium on biliary atresia. *Hepatology* 2007; 46:566-581.
 56. Shivakumar P, Sabla G, Mohanty S, McNeal M, Ward R, Stringer K, Caldwell C, Chougnet C, **Bezerra JA**. Effector role of neonatal CD8+ lymphocytes in epithelial injury and autoimmunity in experimental biliary atresia. *Gastroenterology* 2007;133:268-277. PMID 2013308.
 57. DeRusso PA, Ye W, Shepherd R, Haber BA, Shneider B, Whittington PF, Schwarz KB, **Bezerra JA**, Rosenthal P, Karpen S, Squires RH, Magee JC, Robuck PR, Sokol RJ. Growth failure and outcomes in infants with biliary atresia: a report from the Biliary Atresia Research Consortium. *Hepatology*, 2007;461:1632-1638.
 58. Erickson N, Mohanty S, Shivakumar P, Sabla E, **Bezerra JA**. Temporal and spatial activation of apoptosis in extrahepatic bile duct in murine biliary atresia. *Hepatology* 2008;47:1567-77.
Special recognition:
F1000 citation: <http://f1000.com/prime/1109040>
 59. Shamukhappa K, Matte U, Degen LA, **Bezerra JA**. Plasmin-mediated proteolysis is required for hepatocyte growth factor activation during liver repair. *J Biol Chem* 2009;284:12917-23.
 60. Shivakumar P, Sabla GE, Whittington P, Chougnet CA, **Bezerra JA**. Neonatal NK cells target the duct epithelium via Nkg2d and drive the tissue-specific injury in experimental biliary atresia. *J Clin Invest* 2009;119:2281-90. PMID 2719928.
 61. Mohanty KS, CA Ivantes, Mourya R, Pacheco C, **Bezerra JA**. Macrophages are targeted by rotavirus in experimental biliary atresia and induce neutrophil chemotaxis via Mip2/Cxcl2. *Pediatr Res* 2010;67:345-51.
 62. Moyer K, Kaimal V, Pacheco C, Mourya R, Xu H, Shivakumar P, Chakraborty R, Rao M, Magee J, Bove K, Aronow BJ, Jegga AG, **Bezerra JA**. Molecular subtypes of biliary atresia with relevance to clinical outcome. *Genome Med* 2010;2:33. PMID 2887077.
 63. Matte U, Miethke A, Liu C, Mourya R, Kauffmann G, Moyer K, Zhang K, Wang N, Bull L, Thompson R, Spinner NB, **Bezerra JA**. High-throughput sequence analysis of multiple genes in patients with inherited syndromes of intrahepatic bile ducts. *J Ped Gastroenterol Nutr*, 2010;51:488-93. PMID 4090691.
 64. Sheridan R, Lampe K, Putnam P, Kaddache M, **Bezerra JA**, Hoebe K. Lampe1: an ENU germline mutant exhibiting spontaneous hepatosteatosis identified through targeted exon-enrichment and deep-sequencing. *PLoS ONE* 6(7): e21979 doi:10.1371/journal.pone.0021979.
 65. Saxena V, Shivakumar P, Sabla G, Mourya R, Chougnet C, **Bezerra JA**. Dendritic cells regulate NK cell activation and epithelial injury in experimental biliary atresia. *Science Transl Med. Sci Transl Med* 2011;3:132-142. PMID: 21957172.
- *Commentary: McLarnon A. Biliary tract: Dendritic cells activate natural killers in biliary atresia. *Nature Rev Gastroenterol Hepatol* 2011;8:660

66. Li J, Beesho K, Shivakumar P, Mourya R, Mohanty S, Santos JL, Miura IK, Porta G, **Bezerra JA**. Th2 signals induce epithelial injury and are compatible with the biliary atresia phenotype. *J Clin Investigation* 2011;121:4244-56. PMID: 3204839.

Press releases:

-<http://www.nj.com/business/prnewswire/index.ssf?/nj/story/?catSetID=&catID=&nrid=133431643&page=62>

- http://www.bizjournals.com/columbus/prnewswire/press_releases/Ohio/2011/11/08/DC02273

67. Liu C, **Bezerra JA**. Conditional removal of SV40T from transformed primary human hepatocytes recovers selective CYP gene expression. *J Surg CI Res* 2012;2:15-32.
68. Shneider BL, Magee JC, **Bezerra JA**, Suchy FJ, Haber B, Karpen SK, Whittington PF, Turmelle Y, Schwarz K, Rosenthal P, Raghunathan T, Robuck P, Sokol RJ. A prospective multi-centered analysis of fat-soluble vitamin supplementation in infants with biliary atresia. *Pediatrics* 2012;130:E607-614

Special recognition:

F1000 citation - <http://f1000.com/prime/717955005?r=mra>

69. Bondoc AJ, Taylor JA, Alonso MH, Nathan JD, Wang Y, Balistreri WF, **Bezerra JA**, Ryckman FC, Tiao GM. The beneficial impact of revision of Kasai portoenterostomy for biliary atresia: An institutional study. *Ann Surg* 2012;255:570-576. PMID: 22258066.
70. DiPaola F, Shivakumar P, Pfister J, Walters S, Sabla G, **Bezerra JA**. Identification of an intramural epithelial network linked to peribiliary glands that expresses progenitor cell markers and proliferates after injury. *Hepatology*, 2013;58:1486-1496. PMID: 4067037.

Special recognition:

F1000 citation - <http://f1000.com/prime/718012985>

71. Schwarz KB, Haber BH, Philip R, Mack CL, Jeffrey M, Kevin B, **Bezerra JA**, Karpen SJ, Nanda K, Shneider BL, Turmelle YP, Whittington PF, Molleston JP, Murray KF, Ng VL, René R, Wang KS, Sokol RJ, Magee JC; for the Childhood Liver Disease Research and Education Network. Extra-hepatic anomalies in infants with biliary atresia: results of a large prospective North American multi-center study. *Hepatology*. 2013;58:1724-1731. PMID: 3844083.
72. Shivakumar P, Mourya R, **Bezerra JA**. Perforin and granzymes work in synergy to mediate cholangiocyte injury in experimental biliary atresia. *J Hepatol* 2014;60:370-376. PMID: 3946990.
73. Tsai EA, Grochowski CM, Bessho K, Hakonarson H, **Bezerra JA**, Russo PA, Haber BA, Spinner NB, Devoto M. Replication of a GWAS signal in a Caucasian population implicates ADD3 in susceptibility to biliary atresia. *Hum Genet* 2014;133:235-43. PMID: 3901047.
74. Bessho K, Shanmukhappa K, Sheridan R, Shivakumar P, Mourya R, Walters S, Kaimal V, Dilbone E, Jegga AG, **Bezerra JA**. Integrative genomics identifies candidate microRNAs for pathogenesis of experimental biliary atresia. *BME System Biol* 2013; 7:104. PMID: 3819657.
75. Bessho K, Mourya R, Shivakumar P, Walters S, Magee JC, Rao M, Jegga AG, **Bezerra JA**. Molecular signature with high accuracy for biliary atresia identifies a role for interleukin-8 in pathogenesis of disease. *Hepatology* 2014;60:211-23. PMID: 4077977.
76. **Bezerra JA**, Spino C, Magee J, Shneider B, et al. A randomized trial of corticosteroids in infants with biliary atresia: Results of the START trial. *JAMA* 2014;311:1750-1759. PMID: 4303045.

*Editorial comments: Zylke JW. Building blocks: The child health theme issue. *JAMA* 2014;311:1740-41.

Press releases:

-<http://health.usnews.com/health-news/articles/2014/05/03/study-finds-steroids-may-not-be-helpful-after-infant-liver-surgery>-<http://www.nih.gov/news/health/may2014/niddk-03.htm>

[-http://www.prnewswire.com/news-releases/study-shows-steroids-ineffective-possibly-harmful-in-pediatric-liver-disease-257807521.html](http://www.prnewswire.com/news-releases/study-shows-steroids-ineffective-possibly-harmful-in-pediatric-liver-disease-257807521.html)

[-http://www.sciencedaily.com/releases/2014/05/140504095623.htm](http://www.sciencedaily.com/releases/2014/05/140504095623.htm)

[- http://www.bizjournals.com/dayton/prnewswire/search?q=annual](http://www.bizjournals.com/dayton/prnewswire/search?q=annual)

[- http://dgnews.docguide.com/steroids-after-surgery-do-not-help-infants-biliary-atresia?overlay=2&nl_ref=newsletter&pk_campaign=newsletter](http://dgnews.docguide.com/steroids-after-surgery-do-not-help-infants-biliary-atresia?overlay=2&nl_ref=newsletter&pk_campaign=newsletter)

Special recognition:

F1000 citation – <http://f1000.com/prime/718373895?subscriptioncode=e2c0bafa-1312-41c6-8e64-42af82b57b2a>

77. Li Jun, Razumilava N, Gores GJ, Walters S, Mizuochi T, Mourya R, Bessho K, Wang YH, Glaser SS, Shivakumar P, **Bezerra JA**. Biliary repair and carcinogenesis are mediated by IL-33-dependent cholangiocyte proliferation. *JCI* 2014, 124:3241-3251. PMID: 4071370.
*Commentary: Patman G. IL-33, innate lymphoid cells and IL-13 are required for cholangiocyte proliferation. *Nature Rev Gastroenterol Hepatol* 2014;11:456.
78. Venkat VL, Shneider BL, Magee JC, Turmelle Y, Arnon R, **Bezerra JA**, Hertel PM, Karpen SJ, Kerkar N, Loomes KM, Molleston J, Murray KF, Ng VL, Raghunathan T, Rosenthal P, Schwartz K, Sherker AH, Sokol RJ, Teckman J, Wang K, Whittington PF, Heubi JE; Childhood Liver Disease Research and Education Network (ChiLDRen). Total serum bilirubin predicts fat-soluble vitamin deficiency better than serum bile acids in biliary atresia. *J Pediatr Gastroenterol Nutr.* 2014 Dec;59(6):702-7. PMID: 4243585
79. Ng VL, Haber BH, Magee JC, Miethke A, Murray KF, Michail S, Karpen SJ, Kerkar N, Molleston JP, Romero R, Rosenthal P, Schwarz KB, Shneider BL, Turmelle YP, Alonso EM, Sherker AH, Sokol RJ, Childhood Liver Disease Research and Education Network (CHILDREN) (**Bezerra JA**, Heubi J, Palermo J, Tiao G). Medical status of 219 children with biliary atresia surviving long-term with their native livers: results from a north american multicenter consortium. *J Pediatr* 2014;165:539-546 e2. PMID: 4144331
80. Mourya R, Bessho K, Shivakumar P, **Bezerra JA**. IL-8 and gene expression in biliary atresia – Reply. *Hepatology* 2015. PMID: 24844795
81. Squires JE, Shivakumar P, Mourya R, Bessho K, Walters S, **Bezerra JA**. The effect of natural killer cells on the development of progressive hepatobiliary inflammation in a novel model of liver injury in experimental biliary atresia. *PLoS One* 2015;10:e0127191. PMID: 4437784.
82. Goldschmidt ML, Mourya R, Connor J, Dexheimer P, Karns R, Miethke A, Sheridan R, Aronow B, Zhang K, **Bezerra JA**. High frequency of double and triple heterozygous gene variants in patients with idiopathic cholestasis. *Hepatology Res.* 2015;46:306-311. PMID: 4816673.
83. Yamada D, Rizvi S, Razumilava N, Bronk SF, Davila JI, Champion MD, Borad MJ, **Bezerra JA**, Chen X, Gores GJ. IL-33 facilitates oncogene-induced cholangiocarcinoma in mice by an interleukin-6-sensitive mechanism. *Hepatology.* 2015 May;61(5):1627-42. PMID: 4406813.
84. Shneider BL, Magee JC, Karpen SJ, Rand EB, Narkewicz MR, Bass LM, Schwarz K, Whittington PF, **Bezerra JA**, et al. Total Serum Bilirubin within 3 Months of Hepatoporoenterostomy Predicts Short-Term Outcomes in Biliary Atresia. *J Peds*, 2016;170:. PMID 26725209.
85. Shivakumar P, Mizuochi T, Mourya R, Gutta S, Yang A, Huo Z, **Bezerra JA**. Preferential TNFalpha signaling via TNFR2 regulates epithelial injury and duct obstruction in experimental biliary atresia. *JCI Insight* 2017;2:e88747. PMID [5333971](https://pubmed.ncbi.nlm.nih.gov/3333971/)
86. Lertudomphowanit C, Mourya R, Fei L, Zhang Y, Gutta S, Yang L, Bove KE, Shivakumar P, **Bezerra JA**. Large-scale proteomics identifies MMP-7 as a sentinel of epithelial injury and of biliary atresia. *Sci Transl Med* 2017;9:1-11. PMID 29167395
*Editorial comment – MMP-7: A diagnostic biomarker for biliary atresia. *Nature Rev Gastroenterol Hepatol.* 2017 Dec 13;doi:10.1038/nrgastro.2017.175.

87. Luo Z, Jegga AG, **Bezerra JA**. Gene-disease associations identify a connectome with shared molecular pathways in human cholangiopathies. *Hepatology* 2017; Sept 2 Epub ahead of print. PMID 28865156.
88. Jee J, Mourya R, Shivakumar P, Fei L, Wagner M, **Bezerra, JA**. Cxcr2 signaling and the microbiome suppress inflammation, bile duct injury, and the phenotype of experimental biliary atresia. *PLOS One* 2017;12:e018089. PMID 28763485.
89. Shneider BL, Moore J, Kerkar N, Magee JC, Ye W, Karpen SJ, Kamath BM, Molleston JP, **Bezerra JA**, Murray KF, Loomes KM, Whittington PF, Rosenthal P, Squires RH, Guthery SL, Arnon R, Schwarz KB, Turmelle YP, Sherker AH, Sokol RJ, Childhood Liver Disease Research Network. Initial assessment of the infant with neonatal cholestasis: Is this biliary atresia: *PLOS One* 2017;12:e0176275. PMID 28493866.
90. Asai A, Aihara E, Watson C, Mourya R, Mizuochi T, Shivakumar P, Kieran P, Mayhew C, Helmuth M, Takebe T, Wells J, **Bezerra JA**. Paracrine signals regulate human liver organoid maturation from iPSC. *Development* 2017, 144:1056-64. PMID5358109.
91. Ng VL, Sorensen LG, Alonso EM, Fredericks EM, Ye W, Moore J, Karpen SJ, Shneider BL, Molleston JP, **Bezerra JA**, Murray KF, Loomes KM, Rosenthal P, Squires RH, Wang K, Arnon R, Schwarz KB, Turmelle YP, Haber BH, Sherker AH, Magee JC, Sokol RJ; Childhood **Liver** Disease Research Network (ChiLDReN). Neurodevelopmental Outcome of Young Children with Biliary Atresia and Native Liver: Results from the ChiLDReN Study. *J Pediatr*. 2018;196:139-147. PMID: 29519540.
92. Yang L, Mizuochi T, Shivakumar P, Mourya R, Luo Z, Gutta S, **Bezerra JA**. Regulation of Epithelial Injury and Bile Duct Obstruction by NLRP3 and IL-1R1 in Experimental Biliary Atresia. *J Hepatol*. 2018 Jun 7. [Epub ahead of print]. PMID: 29886157.
93. Mack CL, Spino C, Alonso EM, **Bezerra JA**, Moore J, Goodhue C, Ng VL, Karpen SJ, Venkat V, Loomes KM, Wang K, Sherker AH, Magee JC, Sokol RJ; and The ChiLDReN Network. A Phase I/IIa trial of intravenous immunoglobulin following portoenterostomy in biliary atresia. *J Pediatr Gastroenterol Nutr*. 2019 Jan 17. doi: 10.1097/MPG.02256. [Epub ahead of print] PMID: 30664564.
94. Berauer JP, Mezina AI, Okou DT, Sabo A, Muzny DM, Gibbs RA, Hegde MR, Chopra P, Cutler DJ, Perlmutter DH, Bull LN, Thompson RJ, Loomes KM, Spinner NB, Rajagopalan R, Guthery SL, Moore B, Yandell M, Harpavat S, Magee JC, Kamath BM, Molleston JP, **Bezerra JA**, Murray KF, Alonso EM, Rosenthal P, Squires RH, Wang KS, Finegold MJ, Russo P, Sherker AH, Sokol RJ, Karpen SJ; Childhood Liver Disease Research Network (ChiLDReN). Identification of PKD1L1 Gene Variants in Children with the Biliary Atresia Splenic Malformation Syndrome. *Hepatology*. 2019 Jan 21. doi: 10.1002/hep.30515. [Epub ahead of print] PMID: 30664273.
95. Alonso EM, Ye W, Hawthorne K, Venkat V, Loomes KM, Mack CL, Hertel PM, Karpen SJ, Kerkar N, Molleston JP, Murray KF, Romero R, Rosenthal P, Schwarz KB, Shneider BL, Suchy FJ, Turmelle YP, Wang KS, Sherker AH, Sokol RJ, **Bezerra JA**, Magee JC; ChiLDReN Network. Impact of Steroid Therapy on Early Growth in Infants with Biliary Atresia: The Multicenter Steroids in Biliary Atresia Randomized Trial. *J Pediatr*. 2018 Nov;202:179-185.e4. doi: 10.1016/j.jpeds.2018.07.002. Epub 2018 Sep 21. PMID: 30244988.
96. Yang L, Zhou Y, Xu PP, Mourya R, Lei HY, Cao GQ, Xiong XL, Xu H, Duan XF, Wang N, Fei L, Chang XP, Zhang X, Jiang M, **Bezerra JA**, Tang ST. Diagnostic Accuracy of Serum Matrix Metalloproteinase-7 for Biliary Atresia. *Hepatology*. 2018 Dec;68(6):2069-2077. PMID: 30153340.
97. Alonso EM, Ye W, Hawthorne K, Venkat V, Loomes KM, Mack CL, Hertel PM, Karpen SJ, Kerkar N, Molleston JP, Murray KF, Romero R, Rosenthal P, Schwarz KB, Shneider BL, Suchy FJ, Turmelle YP, Wang KS, Sherker AH, Sokol RJ, **Bezerra JA**, Magee JC; ChiLDReN Network. Impact of Steroid Therapy on Early Growth in Infants with Biliary Atresia: The

- Multicenter Steroids in Biliary Atresia Randomized Trial. *J Pediatr*. 2018 Nov;202:179-185. PMID: 30244988.
98. Berauer JP, Mezina AI, Okou DT, Sabo A, Muzny DM, Gibbs RA, Hegde MR, Chopra P, Cutler DJ, Perlmutter DH, Bull LN, Thompson RJ, Loomes KM, Spinner NB, Rajagopalan R, Guthery SL, Moore B, Yandell M, Harpavat S, Magee JC, Kamath BM, Molleston JP, **Bezerra JA**, Murray KF, Alonso EM, Rosenthal P, Squires RH, Wang KS, Finegold MJ, Russo P, Sherker AH, Sokol RJ, Karpen SJ; Childhood Liver Disease Research Network (ChiLDRen). Identification of Polycystic Kidney Disease 1 Like 1 Gene Variants in Children With Biliary Atresia Splenic Malformation Syndrome. *Hepatology*. 2019 Jan 21. doi: 10.1002/hep.30515. [Epub ahead of print]. PMID: 30664273.
 99. Mack CL, Spino C, Alonso EM, **Bezerra JA**, Moore J, Goodhue C, Ng VL, Karpen SJ, Venkat V, Loomes KM, Wang K, Sherker AH, Magee JC, Sokol RJ; and The ChiLDRen Network . A Phase I/IIa Trial of Intravenous Immunoglobulin Following Portoenterostomy in Biliary Atresia. *J Pediatr Gastroenterol Nutr*. 2019 Apr;68(4):495-501. PMID: 30664564.
 100. Peters AL, Luo Z, Li J, Mourya R, Wang Y, Dexheimer P, Shivakumar P, Aronow B, Bezerra JA . Single cell RNA sequencing reveals regional heterogeneity of hepatobiliary innate lymphoid cells in a tissue-enriched fashion. *PLoS One*. 2019 Apr 25;14(4):e0215481. PMID: 31022195.
 101. Kim S, Moore J, Alonso E, Bednarek J, **Bezerra JA**, Goodhue C, Karpen SJ, Loomes KM, Magee JC, Ng VL, Sherker AH, Smith C, Spino C, Venkat V, Wang K, Sokol RJ, Mack CL; Childhood Liver Disease Research Network. Correlation of immune markers with outcomes in biliary atresia following intravenous immunoglobulin therapy. *Hepatol Commun*. 2019 Mar 25;3(5):685-696. PMID: 31061956.
 102. Luo Z, Shivakumar P, Mourya R, Gutta S, **Bezerra JA**. Gene expression signatures associated with survival times of pediatric patients with biliary atresia identify potential therapeutic targets. *Gastroenterology*. 2019 Jun 13. pii: S0016-5085(19)41016-0. doi: 10.1053/j.gastro.2019.06.017. [Epub ahead of print]. PMID: 31228442.
 103. DiPaola F, Trout AT, Walther AE, Gupta A, Sheridan R, Campbell KM, Tiao G, **Bezerra JA**, Bove KE, Patel M, Nathan JD. Congenital portosystemic shunts in children: Associations, complications, and outcomes. *Dig Dis Sci* 2019 Sept 23. Doi: 10.1007/s10620-019-05834-2 [Epub ahead of print] PMID: 31549332.
 104. Dillman JR, DiPaola FW, Smith SJ, Barth RA, Asai A, Lam S, Campbell KM, **Bezerra JA**, Tiao GM, Trout AT. Prospective Assessment of Ultrasound Shear Wave Elastography for Discriminating Biliary Atresia from other Causes of Neonatal Cholestasis. *J Pediatr*. 2019 Sep;212:60-65. Epub 2019 Jun 26. PMID: 31253405
 105. Squires JE, Ng VL, Hawthorne K, Henn LL, Sorensen LG, Fredericks EM, Alonso EM, Murray KF, Loomes KM, Karpen SJ, Cavallo LA, Molleston JP, **Bezerra JA**, Rosenthal P, Squires RH, Wang KS, Schwarz KB, Arnon R, Magee JC, Sokol RJ; Childhood Liver Disease Research Network (ChiLDRen). Neurodevelopmental outcomes in preschool and school aged children with biliary atresia and their native liver. *J Pediatr Gastroenterol Nutr* 2020;70:79-86. PMID: 31503218.
 106. Yang L, Shivakumar P, Kinder J, Way SS, Donnelly B, Mourya R, Luo Z, **Bezerra JA**. Regulation of bile duct epithelial injury by hepatic CD71+ erythroid cells. *JCI Insight*. 2020 Jun 4;5(11):e135751. PMID: 32407296.
 107. Kassam AF, Goddard GR, Johnston ME, Cortez AR, Trout AT, Jenkins TM, Miethke AG, Campbell KM, **Bezerra JA**, Balistreri WF, Nathan JD, Alonso MH, Tiao GM, Bondoc AJ. Natural Course of Pediatric Portal Hypertension. *Hepatol Commun*. 2020 Jul 16;4(9):1346-1352. PMID: 32923837.
 108. Fix OK, Hameed B, Fontana RJ, Kwok RM, McGuire BM, Mulligan DC, Pratt DS, Russo MW, Schilsky ML, Verna EC, Lomba R, Cohen DE, Bezerra JA, Reddy KR, Chung RT. Clinical

Best Practice Advice for Hepatology and Liver Transplant Providers During the COVID-19 Pandemic: AASLD Expert Panel Consensus. *Hepatology*. 2020 Jul;72(1):287-304. PMID: 32298473.

109. Shneider BL, Goodrich NP, Ye W, Sawyers C, Molleston JP, Merion RM, Leung DH, Karpen SJ, Kamath BM, Cavallo L, Wang K, Teckman JH, Squires JE, Sundaram SS, Rosenthal P, Romero R, Murray KF, Loomes KM, Jensen MK, **Bezerra JA**, Bass LM, Sokol RJ, Magee JC, Childhood Liver Disease Research N. Nonfasted Liver Stiffness Correlates with Liver Disease Parameters and Portal Hypertension in Pediatric Cholestatic Liver Disease. *Hepatology* 2020;4:1694-1707. PMID: PMC7603532
110. Venkat V, Ng VL, Magee JC, Ye W, Hawthorne K, Harpavat S, Molleston JP, Murray KF, Wang KS, Soufi N, Bass LM, Alonso EM, **Bezerra JA**, Jensen MK, Kamath BM, Loomes KM, Mack CL, Rosenthal P, Shneider BL, Squires RH, Sokol RJ, Karpen SJ, Childhood Liver Disease Research N. Modeling Outcomes in Children With Biliary Atresia With Native Liver After 2 Years of Age. *Hepatology* 2020;4:1824-1834. PMID: PMC7706301

BOOK CHAPTERS AND INVITED PAPERS

1. **Bezerra JA**, Cohen MB. Diagnosis and management of acute diarrhea in children. *Cur Op Pediatr* 1991;2:1134-1138.
2. **Bezerra JA**, Balistreri W. Cirrhosis. In: Burg FD, Ingelfinger JR, Wald ER (eds). *Current Pediatric Therapy*. Vol 14, W.B. Saunders Co., Philadelphia. 1993; pp219.
3. **Bezerra JA**, Balistreri WF. Progress in pediatric hepatology. *Cur Op Gastroenterol* 1996;12:237-245.
4. **Bezerra JA**, Balistreri W. Transplantation for cholestatic liver disease. In: Busuttill RW, Klintmalm GB (eds). *Transplantation of the liver*. W.B. Saunders Co., Philadelphia. 1996;pp176-185.
5. **Bezerra JA**. Liver development: a paradigm for hepatobiliary disease in later life. *Semin Liv Dis* 1998;18:203-216.
6. Ng V, Alonso M, **Bezerra JA**. Hepatocyte transplantation: Advancing biology and treating children. *Clin Liver Dis* 2000;4:929-945.
7. **Bezerra JA**, Balistreri WF. The unique nature of the pediatric liver. *Clin Liver Dis* 2000;4:11-15.
8. **Bezerra JA**, Balistreri WF. Cholestatic syndromes of infancy and childhood. *Semin Gastrointest Dis* 2001 Apr;12:54-65.
9. D'Agata I, **Bezerra JA**. Metabolic diseases in children. In: Gayoto J (ed). *Liver Diseases*. Editora Atheneu, Brazil, 2001;pp301-318.
10. **Bezerra JA**. Hepatocytes and endothelial cells: Joining forces to conquer development. *Pediatr Res* 2002;51:413.
11. **Bezerra JA**. Cell transplantation into transgenic mice. *Falk Symposium* 2002;126:63-72.
12. **Bezerra JA**. Biliary atresia. In: *National Organization of Rare Disorders: A guide to rare disorders*, 2002, p.334.
13. **Bezerra JA**. Metabolic liver disease. *Gastroenterologia e Hepatologia em Pediatria: Diagnostico e Tratamento*. Editors: Ferreira, Carvalho, and Silva. Medsi, Rio de Janeiro, Brazil. 2003;pp659-676.
14. **Bezerra JA**. Neonatal cholestasis. *Gastroenterologia e Hepatologia em Pediatria*. Editors: Ferreira, Carvalho, and Silva, 2003;pp581-597.
15. Guthery S, **Bezerra JA**. Gastrointestinal evaluation in immunodeficient children. In: Silva MGD and Milward G (eds). *Endoscopia Pediatrica (Pediatric Endoscopy)*. Guanabara Koogan, Rio de Janeiro, RJ, Brazil, 2004, pp 151-163.
16. Campbell K, **Bezerra JA**. Biliary atresia. In: *Textbook of Pediatric Gastrointestinal Disease*, editors: Walker A, et al., 4th Edition, Volume 2, BC Decker, Lewiston, NY, 2004; pp1122-1135.

17. Choe B-H, **Bezerra JA**, Balistreri WF. Cholestatic disorders in the pediatric age group. In: Transplantation of the liver. Eds: Busutil and Klintmalm, submitted.
18. **Bezerra JA**. Potential etiologies for biliary atresia. *Pediatr Transpl* 2005;10:1-6.
19. **Bezerra JA**, Balistreri WF. Pediatric hepatology: Progress in deciphering mechanisms and advancing therapy. *Clin Liver Dis* 2006;10:ix-xii.
20. Balistreri WF, **Bezerra JA**. Whatever happened to “neonatal hepatitis”? *Clin Liver Dis* 2006;10:27-53.
21. **Bezerra JA**. Biliary atresia: Translational research on key molecular processes regulating biliary injury and obstruction. *Chang Gung Med J* 2006;29:222-230.
22. **Bezerra JA**. The next challenge in pediatric cholestasis: Deciphering the pathogenesis of biliary atresia. *J Pediatr Gastroenterol Nutr* 2006;43:S23-S29.
23. Carvalho E, Pontes C, **Bezerra JA**. Extrahepatic biliary atresia: Current concepts and future directions. *J Pediatr (Rio J)* 2007;83:105-120.
24. Haber B, Ferreira CT, Aw M, **Bezerra JA**, Sturm E, Thompson R, D’Agostino D, McKiernan P. Cholestasis: Current issues and plan for the future. *J Pediatr Gastroenterol Nutr*, 2008;47:220-4.
25. Balistreri WF, **Bezerra JA**, Ryckman FR. Biliary atresia. In: *Pediatric Liver Disease*, editors: Suchy F, Sokol R, Balistreri WF, 3rd Edition, submitted.
26. Carvalho E, **Bezerra JA**. Pathogenesis of biliary atresia: an autoimmune attack to neonatal bile ducts. *Gastrointest Endosc Dig*. 2007;26:192-199.
27. **Bezerra JA**. Biliary atresia. In: *Textbook of Pediatric Gastrointestinal Disease*, editors: Kleinman RE, et al., 5th Edition, BC Decker Inc, Hamilton. 2008;pp817-829.
28. Santos JL, Choquette M, **Bezerra JA**. Cholestatic liver disease in children. *Current Gastroenterol Reports*, 2010;12:30-39.
29. Santos JL, Carvalho E, **Bezerra JA**. Advances on biliary atresia: From patient care to research. *Braz J Med Biol Res* 2010;43:522-7.
30. **Bezerra JA**. Biliary atresia in Brazil: where we are and where we are going. *J Pediatr (Rio J)* 2010;88:445-7.
31. **Bezerra JA**. Biliary atresia. In: *Molecular Pathology of Liver Diseases*, Monga SS (editor). Springer, 2011;51:753-765.
32. Bessho K, **Bezerra JA**. Biliary atresia: Will blocking inflammation tame the disease? *Annu Rev Med* 2011 18;62:171-85.
33. **Bezerra JA**. Advances in genetics and treatment of syndromes of intrahepatic cholestasis. In: *Nutricion y enfermedades del aparato digestivo en ninos*. Editors: Larrosa-Haro A and Vasquez-Garibay EM. Nestle Nutrition Institute, Mexico 2011, pp287-304.
34. Vitolla B, **Bezerra JA**. In: *Textbook of clinical pediatrics*, Elzouki AY (editor), 2nd Edition, Springer, 2011 p. 1959.
35. **Bezerra JA**. Disorders of protein metabolism. In: *Gastroenterologia e Hepatologia em Pediatria: Diagnostico e Tratamento*. Editors: Ferreira, Carvalho, and Silva. Editora Manole, Sao Paulo, Brazil, 1st Edition, 2012:pp390-405.
36. **Bezerra JA**. Congenital disorders of glycosylation. In: *Gastroenterologia e Hepatologia em Pediatria: Diagnostico e Tratamento*. Editors: Ferreira, Carvalho, and Silva. Editora Manole, Sao Paulo, Brazil, 1st Edition, 2012:pp416-420.
37. DiPaola F, **Bezerra JA**. 50 Years Ago in The Journal of Pediatrics: Persistent jaundice in infancy. Brent, RL. *J Pediatr*. 1962;61:111-44.
38. Bezerra J: F1000 Recommendation of [Yeh CY et al., *Proc Natl Acad Sci U S A* 2012, 109(28):11419-24]. Faculty of 1000, 19 Sep 2012; <http://f1000.com/717952481#eval793461125>
39. Balistreri WF, **Bezerra JA**, Ryckman FR. Biliary atresia. In: *Pediatric Liver Disease*, editors: Suchy F, Sokol R, Balistreri WF, 3rd Edition, submitted.

40. **Bezerra JA**. Biliary atresia. In: Textbook of Pediatric Gastrointestinal Disease, editors: Kleinman RE, et al., 5th Edition, BC Decker Inc, Hamilton. Submitted
41. **Bezerra JA**. Biliary atresia. In: National Organization of Rare Disorders: A guide to rare disorders, 2015, www.raredisease.org
42. Ibrahim SH, **Bezerra JA**, Balistreri WF. Transplantation for cholestatic liver disease in children. In: Transplantation of the liver, editors: Busuttil RW, Klintmalm GBG, 3rd Edition, Elsevier, 2015:288-304
43. **Bezerra JA**. MDR3 mutation analysis: A step closer to precision medicine. Hepatology. 2015 Dec 17. doi: 10.1002/hep.28408. [Epub ahead of print] PMID: 26680260
44. Asai A, Miethke A, **Bezerra JA**. Pathogenesis of biliary atresia: defining biology to understand clinical phenotypes. Nat Rev Gastroenterol Hepatol. 2015 Jun;12(6):342-52. doi: 10.1038/nrgastro.2015.74. Epub 2015 May 26. Review. PMID: 26008129.
45. Verkade HJ, **Bezerra JA**, Davenport M, Schreiber RA, Mieli-Vergani G, Hulscher JB, Sokol RJ, Kelly DA, Ure B, Whitington PF, Samyn M, Petersen C. Biliary atresia and other cholestatic childhood diseases: Advances and future challenges. J Hepatol 2016;65:631-642.
46. **Bezerra JA**. Biliary atresia. In: National Organization of Rare Disorders: A guide to rare disorders, 2016, www.raredisease.org
47. Squires J, Balistreri WF, **Bezerra JA**. Pediatric cholestasis: Clinical manifestations and therapy. Submitted.
48. **Bezerra JA**, Wells RG, Mack CL, Karpen SJ, Hoofnagle JH, Doo E, Sokol RJ. Biliary atresia: Clinical and research challenges for the 21st century. Hepatology. 2018 Mar 31. [Epub ahead of print]. PMID: 29604222.
49. **Bezerra JA**. Biliary atresia – An Update 2019. In: National Organization of Rare Disorders: A guide to rare disorders, 2016, <https://rarediseases.org/rare-diseases/extrahepatic-biliary-atresia/>

ABSTRACTS

1. Koldovsky O, Bezerra J, Bustamante S, Flores C, Goda T, Kaplan M, MacDonald MP. Effect of high dextrose diet on sucrase and lactase activity in jejunum of obese mice (C57Bl/6J obob). Fed Proc 1985;44:609.
2. Goda T, Bezerra J, Bustamante S, Flores C, Kaplan M, Koldovsky O, MacDonald MP. Postweaning changes of jejunal protein and activity of disaccharidases in obese mice and lean littermates. Fed Proc 1985;44:1165.
3. Flores C, Bezerra J, Wells M, Koldovsky O. Measurement of the rate of fat absorption by the ¹⁴C-triolein breath test. Fed Proc 1986;45:538.
4. Flores C, Bezerra J, Goda T, Bustamante S, Pongratz P, Koldovsky O. Effect of diet on intestinal sucrase, lactase and maltase activity in pigs. Am J Clin Nutr 1986;43:124.
5. Bezerra J, Thompson S, Dos Santos B, Koldovsky O, Udall J. Urinary lactose excretion of infants and adults following ingestion of the disaccharide. J Am Coll Nutr 1988;7:417.
6. Bezerra J, Thompson S, Dos Santos B, Koldovsky O, Udall J. The ratio of urinary lactose/galactose: A new approach to quantitate lactose malabsorption in adults. J Am Coll Nutr 1988;7:424.
7. Bezerra J, Morgan W, Thompson S, Koldovsky O, Udall J. Peak breath hydrogen and urine galactose in newborns. Pediatr Res 1989;25:108A.
8. Bezerra J, Molina S, Bailey E, Koldovsky O, Udall J. The relationship between lactose intake and urinary lactose in human newborns. Pediatr Res 1990;27:39A.
9. Stathos T, Bezerra J, Duncan B, Udall J. Treatment of infants with acute gastroenteritis: What's recommended and what's practiced. Ped Res 1991;29:114A.

10. Bezerra J, Aronow B, Witte D, Han S, Degen S. Hepatocyte growth factor-like (HGFL) protein is present in normal human plasma and synthesized by hepatocytes. *Hepatology* 1992;16:141A.
11. Bezerra J, Degen SJF. Hepatocyte growth factor-like protein: protein identification and functional characterization. Mead Johnson Neonatal Nutrition Symposium. Marco Island, FL, 1993.
12. Bucuvalas JC, Bezerra JA, Schmidt C, Burnham CE. N-trimethylglycine (betaine) transport is critical to protect HepG2 cells from hyperosmotic stress. *Gastroenterology* 1994.
13. Yazigi N, Overbeck T, Bucuvalas J, Schmidt C, Balistreri W, Bezerra JA. Increased engraftment of transplanted hepatocytes following hepatotoxic injury. *Hepatology* 1995;22:211A.
14. Duncan B, Bezerra JA, Lee PC. Protein malnutrition differentially modulates hepatic cytochrome P450s in Rats. *Hepatology* 1996;24:505A.
15. Carrick TL, Chen T, Bezerra JA. Hepatocyte growth factor (HGF) mRNA expression is increased in diseased liver and decreased in regenerating liver nodules in urokinase transgenic mice. *J Pediatr Gastroenterol Nutr* 1996;23:351.
16. Chen T, Bezerra JA. Upregulated profile of gene expression in regenerating and diseased liver nodules of urokinase transgenic mice. *Hepatology* 1996;24:307A.
17. Bezerra JA, Bove K, Wang M-H, Degen SJF. Hepatocyte growth factor-like protein is expressed preferentially in pericentral hepatocytes and decreases during liver regeneration and auto-immune hepatitis. *Hepatology* 1996;24:484A.
18. Du H, Sheriff S, Bezerra JA. Cholesteryl ester storage disease: homozygotes for an exon skipping mutation in lysosomal acid lipase (LAL) are null for triglyceride and cholesteryl ester hydrolyses. Presented at the annual meeting of the American Society of Human Genetics, 1996.
19. Bezerra JA, Carrick TL, Degen SJF. Targeted loss of hepatocyte growth factor (HGF)-like protein: *Not HGF-like*. Presented at the Cold Spring Harbor Laboratory meeting on "Regulation of liver gene expression in health and disease", 1997.
20. Bezerra JA, Carrick TL, Witte DP, Degen SJF. Normal hepatic embryogenesis in transgenic mice carrying the targeted loss of hepatocyte growth factor-like protein. *Hepatology* 1997;
21. Bezerra JA, Carrick TL, Pavlus JE, Grompe M. Differential expression of liver growth factors in tyrosinemic transgenic livers. *J Pediatr Gastroenterol Nutr* 1997;25:454.
22. Ng V, Ryckman F, Bezerra J, Balistreri W. Long-term outcome following partial external biliary diversion for intractable pruritus in patients with intrahepatic cholestasis. *J Pediatr Gastroenterol Nutr* 1998;26:581.
23. Locaputo S, Grompe M, Bezerra JA. Overexpression of liver growth inhibitors is associated with the growth arrest of diseased hepatocytes in transgenic mice. *Gastroenterology* 1998;114:L0384.
24. Melin-Aldana H, Bezerra JA. Impaired regeneration in the developing liver of IL6-deficient mice. *Gastroenterology* 1999;116:A566.
25. Ng V, Coschigano K, Kopchick JJ, Bezerra JA, Howles P, Yeh YY, Tso P. Abnormal liver lipids in mice with a targeted disruption of the growth hormone receptor/binding protein (CHR/BP) gene. *Gastroenterology* 1999;116:A630.
26. Bezerra JA, Bugge T, Melin-Aldana H, Witte D, Degen J. Impaired liver remodeling in plasminogen-deficient mice. *Gastroenterology* 1999;116:A1191.
27. Bezerra JA, Bugge TH, Melin-Aldana H, Sabla G, Kombrick KW, Witte DP, Degen JL. Plasminogen regulates hepatic matrix remodeling by a mechanism independent of fibrinolysis. *J Pediatr Gastroenterol* 1999; 29:490A.
28. Bezerra JA, Bugge TH, Melin-Aldana H, Sabla G, Kombrick KW, Witte DP, Degen JL. Plasminogen activators direct matrix remodeling following an acute liver injury. *Hepatology* 1999;30:490A.

29. Ng V, Melin-Aldana H, Sabla G, Kombrick KW, Degen JF, Bezerra JA. Persistent activation of stellate cells in plasminogen deficient mice. *Gastroenterology* 2000;18:182A.
30. Pohl JF, Melin-Aldana H, Sabla G, Degen JF, Bezerra JA. Plasminogen deficiency accelerates the development of hepatic fibrosis in mice. *Gastroenterology* 2000;18:189A.
31. Currier AR, Sabla G, Locaputo S, Degen J, Bezerra JA. Targeted loss of plasminogen abolishes hepatocyte injury induced by the urokinase transgene. *Hepatology* 2000;32:319A.
32. Bezerra JA, Ryckman FC, Alonso M, Sabla G, Shneider B, Sokol RJ, Karrer FR, Aronow B. Functional genomics identifies a unique transcriptional program and a suppressed immune response in infants with biliary atresia. Oral presentation at the 2002 AASLD meeting.
33. Kelley-Loughnane K, Sabla GE, Aronow BJ, Bezerra JA. Developing livers display a unique transcriptional program and minimal overlap with hepatic regeneration. Poster of distinction at the 2002 AASLD.
34. Campbell K, Sabla G, Bezerra JA. Genetic reprogramming defines the physiologic consequences of biliary obstruction. *Gastroenterology* 2001, Poster presentation at the 2002 DDW meeting.
35. Campbell K, Shivakumar P, Sabla G, McNeal M, Ward R, Bezerra JA. Unique tropism of rotavirus to cholangiocytes in a murine model of biliary atresia. Oral presentation at the 2003 SPR meeting.
36. Shanmukhappa K, Sabla G, Degen JL, Bezerra JA. Plasminogen deficiency results in a pancreatic switch during liver repair in adult mice. Oral presentation at the 2003 DDW meeting.
37. Shivakumar P, Miethke A, Sabla G, Bezerra JA. Interferon-gamma regulates bile duct obstruction in biliary atresia. Oral presentation at the 2003 AASLD.
38. Shivakumar P, Miethke A, Sabla G, Bezerra JA. Interferon-gamma regulates bile duct obstruction in biliary atresia. Oral presentation at the 2003 AASLD.
39. Bezerra JA. Plasminogen deficiency results in a pancreatic switch during liver repair. Oral presentation at the IXth International workshop on molecular and cellular biology of plasminogen activation.
40. Zhang DZ, Sabla G, Shivakumar P, Tiao G, Sokol RJ, Mack C, Shneider BL, Aronow B, Bezerra JA. Coordinate expression of regulatory genes differentiates embryonic and perinatal forms of biliary atresia. Oral presentation at the 2004 World Congress on Pediatric Gastroenterology, Hepatology, and Nutrition, Paris, France.
41. Campbell KM, Arya G, Ryckman FC, Alonso M, Tiao G, Balistreri WF, Bezerra JA. Alpha-1-antitrypsin – A modifier gene in pediatric liver disease? *Hepatology* 2004;40:234A. Poster presentation at the 2004 AASLD meeting.
42. Shivakumar P, Mohanty SK, Sabla G, McNeal M, Ward R, Bezerra JA. Hepatic CD8+ lymphocytes regulate bile duct obstruction in experimental biliary atresia. *Hepatology* 2004;40:86A. Oral presentation at the 2004 AASLD meeting.
43. Shanmukhappa S, Mourya R, Sabla G, Degen J, Bezerra JA. Hepatic to pancreatic switch in plasminogen-deficient mice. *Hepatology* 2004;40:221A. Oral presentation at the 2004 AASLD meeting.
44. Erickson NI, Shivakumar P, Sabla G, Mohanty S, Bezerra JA. Tempora-spatial regulation of apoptosis in experimental biliary atresia. *J Pediatr Gastroenterol Nutr* 2005;41:512A. This abstract was awarded the “Fellow Research Award.”
45. Shanmukhappa K, Degen JL, Bezerra JA. Plasminogen regulates hepatocyte migration through activation of hepatocyte growth factor. Poster presentation at the 2005 AASLD meeting, San Francisco, CA.
46. DeRusso PA, Ye W, Haber B, Shneider BL, Sokol RJ, Whittington PF, Squires R, Bezerra J, Shepherd R, Rosenthal P, Hoffnagle JH. Growth failure is associated with early liver transplantation or death in infants with biliary atresia in the United States. Oral presentation at the 2005 AASLD meeting, San Francisco, CA.

47. Mohanty S, Bezerra JA. Interferon-gamma signaling renders cholangiocytes susceptible to apoptosis induced by tumor necrosis factor-alpha. 2006 AASLD meeting.
48. Shanmukhappa K, Bezerra JA. Liver cells undergo lineage specification to pancreatic phenotype in response to acute injury in plasminogen-deficient mice. 2006 AASLD meeting.
49. Venkat V, Pontes-Ivantes C, Mourya R, Mohanty S, Bezerra JA. Infection of macrophages activates a cell injury program that targets cholangiocytes in experimental biliary atresia. 2006 NASPGHAN meeting.
50. Liu C, Mourya R, Bezerra JA. Novel resequencing chip customized to diagnose mutations in patients with intrahepatic cholestasis. 2006 AASLD meeting.
51. Shivakumar P, Sabla G, Cho A, Bezerra JA. NK lymphocytes direct cytotoxicity to cholangiocytes and injury of extrahepatic bile duct epithelium in experimental atresia. 2006 AASLD meeting.
52. Miethke A, Balistreri WF, Ryckman FR, Bezerra JA. Genetic mutations and clinical outcome following biliary diversion in children with intrahepatic cholestasis. 2007 NASPGHAN meeting.
53. Miethke A, Shivakumar P, Bezerra JA. The role of regulatory T cells in the pathogenesis of experimental biliary atresia. Presented at the national FOCIS meeting, June 2007.
54. Miethke A, Bezerra JA. Screening for mutations in children with inherited syndromes of intrahepatic cholestasis. Presented at the national meeting for Rare Disorders, Washington DC, September
55. Matte U, Bezerra JA. High throughput sequence analysis identifies individual and combined genetic defects in children with syndromes of intrahepatic cholestasis. 2007 AASLD meeting.
56. Shanmukhappa K, Degen J, Bezerra JA. Constitute activated cMet rescues the defect in liver repair observed in plasminogen-deficient mice. Presented at the Gordon Conference on Fibrinolysis. Ventura, CA, February 2008.
57. Miethke A, Vijay S, Shivakumar P, Chougnnet C, Sabla G, Bezerra JA. Paucity of regulatory T cells and enhanced activation of NK cells in the neonate are key susceptibility factors for experimental biliary atresia. Oral presentation at the 2008 AASLD meeting. *Hepatology* 2008;48:411A
58. Moyer K, Kaimal V, Pacheco C, Mourya R, Xu H, Shivakumar P, Bove K, Chakraborty R, Rao M, Magee J, Jegga AG, Bezerra JA. Novel molecular subtypes of biliary atresia with relevance to clinical outcome. Plenary presentation at the 2008 AASLD meeting. *Hepatology* 2008;48:371A
59. Liu C, Richardson B, Schalk A, Mourya R, Bezerra JA, Zhang K. Implementation of JaundiceChip as a clinical diagnostic tool. Submitted to the 2008 ASHG meeting. Poster presentation at the 2008 American Society for Medical Genetics.
60. Haber B, Fredericks EM, Magee J, Bezerra JA, Karpen S, Kerkar N, Rosenthal P, Schwarz KB, Ross S, Shneider BL, Whittington PF, Robuck PR, Sokol RJ. Predictors of neurodevelopmental outcome in non-transplanted children with biliary atresia at one year of age. Poster presentation at the 2008 AASLD meeting. *Hepatology* 2008;48:1028-1029A.
61. Schwarz KB, Shepherd RW, Magee J, Rosenthal P, Mack C, Raghumathan T, Bezerra JA, Haber B, Karpen SJ, Shneider BL, Suchy FJ, Whittington PF, Robuck PR, Sokol RJ. Clinical and demographic features of three major biliary atresia phenotypes in the BARC study. Poster presentation at the 2008 AASLD meeting. *Hepatology* 2008;48:1028A.
62. Saxena V, Shivakumar P, Miethke AG Sabla GE, Chougnnet C, Bezerra JA. A proinflammatory program of perinatal plasmacytoid dendritic cells activate natural killer cells to damage the bile duct epithelium in experimental biliary atresia. Poster presentation at the 2009 meeting of the American Association of Immunology, Seattle, WA, May 2009.
63. Saxena V, Shivakumar P, Sabla GE, Bezerra JA. Dendritic cells regulate injury of bile duct epithelium by activation of NK cells in experimental biliary atresia. Plenary presentation, 2009 AASLD meeting. *Hepatology* 2009;50:350A.

64. Shneider BL, Abel RB, Raghumathan T, Magee JC, Bezerra JA, et al. A prospective multi-centered investigation of vitamin supplementation in infants with biliary atresia: Interim analysis from the Biliary Atresia Research Consortium (BARC). Poster presentation, 2009 AASLD meeting. *Hepatology* 2009;50:631A.
65. Sundaram SS, Fredericks EM, Kamath BM, Haber B, Roghumathan T, Magee JC, Bezerra JA, et al. A multicenter cross sectional assessment of quality of life in biliary atresia patients aged 2-25 years. Poster presentation, 2009 AASLD meeting. *Hepatology* 2009;50:632A.
66. Li J, Bezerra JA. Th2 response induces biliary injury in experimental biliary atresia. Poster of Distinction, 2010 AASLD meeting. *Hepatology* 2010.
67. Shivakumar P, Bezerra JA. Perforin-independent mechanisms of biliary atresia in experimental biliary atresia. Poster of Distinction, 2010 AASLD meeting. *Hepatology* 2010.
68. Pfister J, Sheridan R, Bessho K, Bezerra JA, Shivakumar P. Complement receptor C5ar regulates hepatic inflammatory response, epithelial injury and duct obstruction in biliary atresia. *Hepatology* 2011;411A.
69. Bessho K, Mourya R, Dilbone E, Kaimal V, Xu H, Shivakumar P, Rao M, Jegga AG, Bezerra JA. A molecular signature of biliary atresia highly distinct from other cholestatic diseases at diagnosis. *Hepatology* 2011;421A.
70. DiPaola F, Shivakumar P, Walters S, Sabla G, Pfister J, Bezerra JA. Peribiliary glands connect to form three-dimensional epithelial networks within the wall of extrahepatic bile ducts and proliferate in response to injury. *Hepatology* 2011;427A.
71. Shneider BL, Magee JC, Karpen SJ, Rand E, Narkewicz MR, Schwarz KB, Whittington PF, Bezerra JA, et al. Prospective multicenter analysis of post-operative total bilirubin as a biomarker for short-term outcome after hepatopertoenterostomy for biliary atresia. *Hepatology* 2011;468A.
72. Bessho K, Mourya R, Sheridan R, Kaimal V, Xu H, Mohanty SK, Shivakumar P, Jegga AG, Bezerra JA. Screening and identification of potential microRNAs involved in bile duct injury in experimental biliary atresia. *Hepatology* 2011;679A.
73. Bessho K, Sheridan S, Walters S, Shivakumar P, Bezerra JA. Loss of orthologous IL8 signaling decreases susceptibility to experimental biliary atresia – Poster presentation at the 2012 AASLD meeting.
74. Shivakumar P, Walters S, Mourya R, Pfister J, Bezerra JA. Tnf α regulates pathogenesis of bile duct injury in experimental biliary atresia via Tnf-R2 – Oral presentation at the 2012 AASLD meeting.
75. Dexheimer P, Connor J, Karns R, Miethke A, Aronow G, Zhang K, Bezerra JA. High-throughput mutation screen identifies high frequency of double and triple heterozygous gene variants in patients with idiopathic cholestasis – Oral presentation at the 2012 AASLD meeting.
76. Bezerra JA, Spino C, Magee JC, Shneider BL, et al. High-dose corticosteroid therapy following portoenterostomy in infants with biliary atresia does not improve outcome: The multi-center, randomized, double-blind, placebo-controlled START trial – Oral presentation at the 2013 AASLD meeting. *Hepatology* 2013;58:263A (Abstract 111).
77. Shivakumar P, Squires JE, Walters S, Bezerra JA. Elevator effector and target cell transmembrane Tnfa regulates mucosal injury in experimental biliary atresia – Oral presentation at the 2013 AASLD meeting.
78. Menchise AN, Lages CS, Simmons J, Bezerra JA, Miethke AG. Heterozygosity for deleterious mutations in Abcb4 is associated with a pro-inflammatory hepatic transcriptome predisposing neonatal mice to cholestatic liver injury – Oral presentation at the 2013 AASLD meeting.
79. Squires JE, Bessho K, Mourya R, Shivakumar P, Bezerra JA. Diagnostic and predictive value of serum biomarkers in biliary atresia – Oral presentation at the 2013 AASLD meeting.
80. Razumilava N, Yamada D, Bronk S, Li J, Bezerra JA, Gores GJ. Novel genetic model of cholangiocarcinoma in mice – Oral presentation at the 2013 AASLD meeting.

81. Jun L, Shivakumar P, Walters S, Mizuochi T, Mourya R, Bessho K, Bezerra JA. Interleukin-33 induces a potent cholangiocyte proliferation via a novel paracrine circuit – Oral presentation at the 2013 AASLD meeting.
82. Asai A, Malladi S, Misch J, Malladi P, Bezerra JA, Whittington PF. A biomarker study: Plasma osteopontin levels reflect hepatic fibrogenesis-related gene expression in biliary atresia – Poster presentation at the 2013 AASLD meeting. – Oral presentation at the 2013 AASLD meeting.
83. Mizuochi T, Shivakumar P, Mourya R, Walters S, Donnelly B, Shanmukhappa S, Bezerra JA. IL-1 signaling regulates bile duct injury and obstruction in biliary atresia – Oral presentation at the 2014 AASLD meeting. *Hepatology* 2014;60:275A.
84. Li L, Mourya R, Walters S, Kosar K, Shivakumar P, Huppert SS, Bezerra JA. Interleukin-33 induces cholangiocyte proliferation via IL13/IL-4R/STAT6 pathway – Oral presentation at the 2014 AASLD meeting. *Hepatology* 2014;60:300A.
85. Yamada D, Rizvi S, Razumilava S, Bronk SF, Li J, Bezerra JA, Chen X, Gores GJ. IL-33 Facilitates Oncogene Driven Cholangiocarcinoma in Mice – Poster presentation at the 2014 AASLD meeting. *Hepatology* 2014;60:641A.
86. Wang Q, Saxena V, Wang B, Miles L, Ryan MA, Bezerra JA, Ridgway WM, Nathan JD. Activation of mDCs and CD8+ T cells is associated with PSC-like cholangiopathy induced by small bowel bacterial overgrowth in a mouse model of autoimmune biliary disease. *Hepatology* 2014;60:342A.
87. Asai A, Aihara E, Mizuochi T, Shivakumar P, Phelan K, Mayhew C, Takebe T, Wells J, Bezerra JA. Hepatic maturation of induced pluripotent stem cells is regulated by paracrine signals from endothelial and mesenchymal cells in culture and during organoid formation. AASLD annual meeting, Moscone Center, San Francisco, CA.
88. Li Yang, Junbae Jee, Reena Mourya, Tatsuki Mizuochi, Sridevi Gutta, Pranavkumar Shivakumar, Jorge A. Bezerra. Inflammasome-microbiome-IL8 axis links disease progression and duct injury in experimental biliary atresia. Oral presentation at the Annual meeting of the American Association for the Study of liver diseases (AASLD), Nov 11-15, 2016, Hynes Convention Center, Boston, MA.
89. Chatmanee Lertudomphonwanit, Reena Mourya, Lin Fei, Yue Zhang, Kevin E. Bove, Pranavkumar Shivakumar, Jorge A. Bezerra. High-throughput Proteomics Identifies MMP7 as a Biomarker of Biliary Atresia. Oral presentation at the Annual meeting of the American Association for the Study of liver diseases (AASLD), Nov 11-15, 2016, Hynes Convention Center, Boston, MA.
90. Anna Peters, Jun Li, Zhenhua Luo, Bruce Aronow, Pranavkumar Shivakumar, Jorge A. Bezerra. Single Cell RNA sequencing reveals novel innate lymphoid cell populations in extrahepatic bile ducts. Poster presentation at the Annual meeting of the American Association for the Study of liver diseases (AASLD), Nov 11-15, 2016, Hynes Convention Center, Boston, MA.
91. Yang L, Shivakumar P, Bezerra JA. CD71+ erythroblasts are novel regulators of bile duct Injury and phenotype in experimental biliary atresia. Poster presented at the Annual meeting of the American Association for the Study of liver diseases (AASLD), Oct 2017, Washington DC.
92. Yu Zhu, Junbae Jee, Sridevi Gutta, Reena Mourya, Pranavkumar Shivakumar and Jorge A. Bezerra. Maternal exposure to the bacterial-derived Butyrate protects neonatal mice against experimental biliary atresia. Oral presentation at the Annual meeting of the American Association for the Study of liver diseases (AASLD), Oct 2017, Washington DC.
93. Luo Z, Jegga A, Bezerra JA. Gene-disease associations identify a connectome with shared molecular pathways in human cholangiopathies. Oral presentation at the Annual meeting of the American Association for the Study of liver diseases (AASLD), Oct 2017, Washington DC.
94. Amarachintha S, Mourya R, Ayabe H, Luo Z, Shivakumar P, Bezerra JA. Patient-derived cholangiocyte organoids point to defects in epithelial development in pathogenesis of biliary atresia. *Hepatology* 2019;70:50A.

95. Shneider BL, Goodrich NP, Ye W, Sawyer C, Bezerra JA, et al. Liver stiffness assessed by transient elastography is associated with parameters of liver disease and portal hypertension in 535 cholestatic children: Baseline results of the multi-center prospective FORCE study. *Hepatology* 2019;70:57A.
96. Jee J, Yang L, Luo Z, Mourya R, Shivakumar P, Bezerra JA. Gut-derived metabolites promote cytoprotection to cholangiocytes and suppress the phenotype of experimental biliary atresia. *Hepatology* 2019;70:151A.
97. Chang M-H, Bezerra JA, et al. No detected resistance to tenofovir disoproxil fumarate through 96 weeks of treatment in children age 2-12 years with chronic hepatitis B. *Hepatology* 2019;70:631A.
98. Hawthorne K, Shneider BL, Henn L, Beil C, Karpen SJ, Ng VL, Setchell K, Alonso EM, Bezerra JA, et al. Prognostic value of serum bile acids after achieving bile flow with the Kasai portoenterostomy in biliary atresia. *Hepatology* 2020
99. Leung DH, Gavaraj S, Goodrich NP, Chen X, Rajapakshe EB, Ye W, Andreev V, Minard C, Bezerra JA, et al. Association of serum biomarkers with liver stiffness assessed by transient elastography in 330 children with cholestatic liver disease. *Hepatology* 2020