

CURRICULUM VITAE

ROHIT LOOMBA, MD, MHSc

CURRENT POSITION

Associate Professor of Clinical Medicine

Division of Gastroenterology

Department of Medicine

Director, Liver Epidemiology Training Program

Assistant Adjunct Professor

Division of Epidemiology

Department of Family and Preventive Medicine

T. Franklin Williams Scholar

CURRENT ADDRESS

University of California, San Diego

Division of Gastroenterology

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DATE OF BIRTH

October 17, 1975

VISA STATUS

Permanent Resident

EMPLOYMENT

2009-2011

Assistant Professor of Clinical Medicine, Step II

Division of Gastroenterology

Assistant Adjunct Professor, Step II

Division of Epidemiology

University of California, San Diego, CA

2011- 2013

Assistant Professor of Clinical Medicine, Step III

Division of Gastroenterology

Assistant Adjunct Professor, Step III

Division of Epidemiology

University of California, San Diego, CA

2011- 2013

Associate Professor of Clinical Medicine, Step II

Division of Gastroenterology

Assistant Adjunct Professor, Step II

Division of Epidemiology

University of California, San Diego, CA

TRAINING

07/07 - 06/09

Gastroenterology Fellowship

University of California, San Diego, CA

06/04 - 06/07

Hepatology Fellowship

NIH/NIDDK, Bethesda, MD

11/03 – 06/04

Chief Resident, Internal Medicine

St. Luke's Hospital, St. Louis, MO

11/00 – 11/03

Internal Medicine Residency

St. Luke's Hospital, St. Louis, MO

EDUCATION

08/05 – 05/07	Masters of Health Science in Clinical Research (NIH-Duke University Combined Program)	Duke University School of Medicine, Durham, NC
08/93 – 03/99	M.B.B.S.	The Armed Forces Medical College, India

MEDICAL LICENSURE

- Medical licensure in the state of California and Maryland.
- Permanent license to practice medicine in India

EXAMINATION

- Board certified in Internal Medicine 2004
- Board certified in Gastroenterology 2009
- USMLE Step 1, 2, 3 and CSA passed

AWARDS AND ACHIEVEMENTS

2002	AGA/Wyeth Resident Reporter Award
2002	American Liver Foundation/American Association of the Study of Liver Diseases Resident Scholar Award
2008	Salix Travel Award for clinical excellence: AASLD
2008	Fellows Travel Award for Outstanding Abstract: GI/Hepatology Mayo Clinic
2008	First prize, Fellows abstract competition, San Diego Gastroenterology Society
2009	First prize, Fellows abstract competition, San Diego Gastroenterology Society
2009-2012	American Gastroenterological Association Foundation – Sucampo – ASP Designated Research Scholar Award in Geriatric Gastroenterology
2009	T Franklin Williams Scholarship Award
2012	Health Heros Award by the combined health agencies supported by the American Liver Foundation
2013	TFWS Alumni Executive Leadership Award- 2013 AAIM Executive Leadership Program

PROFESSIONAL SOCIETIES

- American Association for the Study of Liver Diseases.
- American Gastroenterology Association.
- Gastroenterology Research Group.
- American Society for Gastrointestinal Endoscopy
- American College of Gastroenterology

REVIEWER FOR JOURNALS

2007-pres	The Annals of Internal Medicine
2009-pres	Gastroenterology
2009-pres	The American Journal of Gastroenterology
2009-pres	Hepatology
2009-pres	Liver Transplantation
2008-pres	Alimentary Pharmacology and Therapeutics
2008	Clinical Endocrinology
2008	Chemotherapy

2008 Expert opinion in drug therapy
2009 Journal of Infection
2012 Journal of Clinical and Experimental Hepatology

ABSTRACT REVIEWER FOR ACADEMIC SOCIETIES

- DDW 2009; section: Influence of environment and obesity on GI cancers
- DDW2010; section: Influence of environment and obesity on GI cancers
- DDW2011; section: Influence of environment and obesity on GI cancers
- DDW2012; section: Influence of environment and obesity on GI cancers
- DDW2011; section: Viral hepatitis: epidemiology
- AASLD 2010; section: Viral hepatitis: epidemiology
- AASLD 2011; section: Viral hepatitis: epidemiology
- AASLD 2012; section: Viral hepatitis: epidemiology

PROFESSIONAL SOCIETY COMMITTEE MEMBERSHIP AND SERVICE

2008-2010 Member- AASLD Training and Clinical Policy Committee
2008-pres Member- AASLD Steatosis and steatohepatitis special interest group
2009-2011 Member-AASLD Publications Committee
2009-2011 Member- AGA- International Committee
2009 Co-Director: Career Development Workshop: AASLD
2010 Director: Career Development Workshop: AASLD
2011-2012 Elected to the National Board of Directors, The American Liver Foundation
2011-2013 Member – AGA- Publications Committee
2011-2013 Member-AASLD Annual Meeting Education Committee

INVITED PRESENTATIONS AT NATIONAL SOCIETY & INTERNATIONAL MEETINGS

2009 AASLD: Effective Menteeship: Invited talk
2010 EPD (Spanish GI Society) and AGA joint symposium- Santiago de Compostela, Spain (Invited)
2010 AASLD: Junior Faculty Perspective in Academic Advancement (Invited)
2010 AASLD Postgraduate Course: Faculty: Meet the Professor Luncheon
2011 NCCAM/NIH Invited presentation in a round table meeting of experts “Current Research and Future Directions for Vitamin E Treatment of Nonalcoholic Fatty Liver Disease,” May 2, 2011.
2011 AASLD Postgraduate Course: Faculty: Meet the Professor Luncheon
2011 AGA Digestive Disease Week: Mentor-Mentee Forum: Clinical Research Perspective (Invited)
2011 “Prophylaxis and Therapy of HBV and Viral Hepatitis in Immunocompromised Patients” – Torino, Sept. 29-30, 2011, sponsored by the Italian Association for the Study of Liver Diseases
2011 EUGW: Invited talk: “Synergistic Effect of Alcohol and Obesity on Liver Disease; Joint Symposium of AGA and ASGNME (joint european GI societies), Stockholm, Sweden.

VISITING PROFESSORSHIPS

2011: AIIMS, New Delhi, India: Invited talk: “Management of NAFLD”
2011 PGIMER, Chandigarh, India: Invited talk: “Management of NAFLD”
2012 INASL, Guwahati, India: “Changing the management paradigm in NASH”
2012: University of California, Irvine: Visiting Professor “Epidemiology of NAFLD”

NIH COMMITTEE MEMBERSHIP AND SERVICE

2009-2014 NIDDK/NIH Member- Steering Committee, Nonalcoholic Steatohepatitis-Clinical Research Network.

- 2010-2014 Chair, Standard of Care Committee, Nonalcoholic Steatohepatitis-Clinical Research Network-NIDDK, NIH
- 2009-2014 Co-Chair, FLINT Trial Protocol Writing Committee Nonalcoholic Steatohepatitis-Clinical Research Network-NIDDK, NIH
- 2009-2014 Member- Genetics Committee, Nonalcoholic Steatohepatitis-Clinical Research Network-NIDDK, NIH

NIH PANEL MEETINGS/WORKSHOPS/SYMPOSIUM

- NCCAM/NIH Invited presentation in a round table meeting of experts “Current research and future directions for Vitamin E treatment of nonalcoholic fatty liver disease”; in Bethesda, NIH campus: May 2nd, 2011.
- Association of Subspecialty Professors, American Geriatric Society, NIA, NHLBI, NIAAA, NCI and NIDDK joint workshop “Solid organ transplant in elderly”: Role: Member organizing committee and writing committee of the research priorities in the field of solid organ transplant in elderly. January 2012.

RESEARCH OUTREACH

- Founding director and PI of the San Diego Integrated NAFLD Research Consortium (SINC): The San Diego Integrated NAFLD Research Consortium was established by Dr. Loomba (see publication no. 30) in 2011 with the goal of enhancing collaboration between doctors and working groups interested in the research and care of patients with NAFLD. The consortium includes experts of fatty liver disease from 4 major medical centers in the San Diego region including UCSD, Sharp Health Care, Kaiser Permanente, and Balboa Naval Medical Center. Experts from these sites work together on research to advance the understanding of NAFLD.
- Research collaboration with Southwestern Oncology Group (SWOG), a National Cancer Institute sponsored research consortia, in understanding the burden of viral hepatitis in cancer patients across SWOG sites in the United States. Overall goal is to better define the epidemiology of viral hepatitis and risk of recurrence of hepatitis B and C and reducing liver related morbidity and mortality in this group of patients. 2010- present

COMMUNITY SERVICE

- Pacific Chapter of the American Liver Foundation: Annual Course on Liver Disease, 2011: Invited speaker, “NAFLD”.
- Pacific Chapter of the American Liver Foundation: Annual Course on Liver Disease, 2012: Invited speaker, “NAFLD”
- Fundraising for pacific Chapter of the American Liver Foundation: Carlsbad Liver Half Marathon Participant, 2012
- Fundraising for pacific Chapter of the American Liver Foundation: Carlsbad Liver Half Marathon Participant, 2013

UNIVERSITY SERVICE

- 2008-2009 Member, Research and Career Development Committee, Division of Gastroenterology, Department of Medicine
- 2008-present Member, Research and Career Development Committee, Division of Gastroenterology, Department of Medicine
- 2009-present Member, Gastroenterology fellowship candidate selection committee, Division of Gastroenterology, Department of Medicine
- 2009-present Member, Intern selection committee, Department of Medicine
- 2009-present Member, Physician-scientist training program candidate selection committee

2009-present	Member, Liver transplant selection committee, Center for Hepatobiliary and Abdominal Transplant, UCSD Medical Center
2009-present	Organizer: weekly hepatology journal club: a teaching conference for trainees and faculty (0.5 CME per meeting)
2009-present	Director, NAFLD Clinic, UCSD Medical Center
2009-present	Faculty mentor, Cardiovascular Epidemiology T32 Training Program (PI: Michael Criqui, MD)
2010-2011	Member, Hepatology Faculty Search Committee(s)
2010	Member, Interview panel, GI Division Chief Search Committee
2010	Member, Interview panel, Hepatology Chief Search Committee
2010	Member, Interview panel, GI Division Faculty Search Committee
2010-2011	Member, Hepatology Faculty Search Committee(s)
2010-2011	Medical School Teaching: SOM-208: Organ Physiology GI: Wrote the power-point slides for the liver part
2010-2011	SP chair for medical students research projects
2010-2011	ISP chair: CREST Program
2010-present	Reviewer of grant proposals: Intramural Clinical and Translation Research Institute (CTRI) pilot and feasibility grants.
2010	GI grand rounds: Epidemiology of NAFLD
2011-present	Director, Liver epidemiology training program
2011-present	Research Mentor: Gastroenterology T32 training program (PI: Sheila Crowe, MD)
2011	Medical School Teaching: SOM-218: Epidemiology Course: Small group meetings facilitator
2011	Speaker: Annual CME Meeting on Advances in Internal Medicine
2011	CVD Epidemiology T-32 training program lecture series: Assessing interaction in epidemiologic studies
2011	Director and organizer: Fifth Annual Gastroenterology Research Retreat
2012	Speaker: Annual CME Meeting on Advances in Internal Medicine
2012	GI grand rounds: Changing the management paradigm in NASH

STUDENT MENTORSHIP

Postdoctoral Students including Fellows, Resident and Interns

- 2007 Ayana Rowley, PharmD, Post-graduate student year 1
Role: Research Co-Advisor, "Lamivudine in hepatitis B reactivation."
- 2008 Andrew Bain, MD, GI Fellow
Role: Research Advisor "Role of fluoroquinolones in primary prevention of spontaneous bacterial peritonitis."
- 2008-2009 Lance Stein, MD, GI Fellow
Role: Severed as senior author on review article on treatment of hepatitis B
- 2009 Erica Boettcher, MD, Medicine Resident
Role: Research Advisor
- 2009-2010 Benjamin Cohen, MD, GI Fellow
NIH T32 Co-Mentor with one publication. Currently a junior faculty at Mt. Sinai School of Medicine in Gastroenterology.
- 2009-2010 Mamie Dong, MD, GI Fellow
Role: Research Advisor: Published two first author original research papers with me as senior author and also wrote a review article on NAFLD, finalist in the Annual 2010 San Diego Gastroenterology Society fellows research competition, and poster presentation at Digestive Disease Week 2010.
- 2009-2010 Jeffrey Lee, MD, Medicine Resident
Role: Research Advisor: Presented his research poster at the 2009 Annual American Association for the Study of Liver Disease Meeting and published paper

as first author in PLOS One with me as senior author. Currently T32 GI fellow at UCSF.

- 2010 Benjamin Cohen, MD, GI Fellow
Role: ISP Committee Chair for Masters in Clinical Research CREST
- 2011-2012 Thuy-Anh Le, MD, GI Fellow
Role: NIH T32 Mentor. Dr. Le has one original research first author paper in Hepatology with me as senior author and another publication in PLOS One. She has a poster presentation of her research at the 2012 Digestive Disease Week Meeting in San Diego.
- 2011-2012 Zachary Permutt, MD, Medicine Resident
Role: ISP Research Advisor. Dr. Permutt has a poster presentation of his research at the 2012 Digestive Disease Week meeting in San Diego.
- 2011-2012 Brigid Boland, MD, GI Fellow
Role: Research Advisor. Dr. Boland will present her research on bilirubin and its association with mortality in the Rancho Bernardo Cohort at the 2012 Digestive Disease Week Meeting in San Diego.
- 2011-2012 Mazen Nouredin, MD, GI Fellow
Role: Research Mentor. Dr. Nouredin was a finalist in the 2012 San Diego Gastroenterology Society Fellows Research Competition and a poster presentation at the 2011 American Association for the Study of Liver Disease Meeting.

Medical Students

- 2011-2012 Shanglei Liu, Medical Student (Year 4)
Role: ISP Mentor. Data analysis completed and writing the manuscript.
Successfully matched to UCSD Surgery Residency Program for 2012-2013.

RESEARCH GRANTS AND AWARDS

Agency: NIH/NIDDK
Grant No: K23 DK090303
Title: Genetic Epidemiology of NAFLD: A Twin Study
Period: 09/15/11 – 06/30/15
Role: Principal Investigator

Agency: NIH/NIDDK
Grant No: U01 DK61734
Title: Clinical Research Network in Nonalcoholic Steatohepatitis
Period: 05/01/09 – 04/30/14
Role: Principal Investigator (UCSD Adult Site)

Agency: American Gastroenterological Association Foundation
Title: Sucampo-ASP Designated Research Scholar Award in Geriatric Gastroenterology
Sex-Specific Effect of Alcohol and Obesity and Adipocytokines in Geriatric Fatty Liver Disease in a Prospective Population-Based-Cohort: Rancho Bernardo Study
Period: 2009 – 2013
Role: Principal Investigator

Agency: American Gastroenterological Association Foundation
Title: T Franklin Williams Scholar
Period: 2009-2012
Role: Principal Investigator
Additional support from Atlantic Philanthropies and the Association from Subspecialty Professors

Agency: Daiichi Sankyo Inc: Investigator-Initiated Study
Title: Colesevelam Versus Placebo for the NASH: Randomized Controlled Trial
Period: 07/01/09 – 12/31/17
Role: Principal Investigator

Agency: National Science Foundaiton
Title: Continuous Bulk Processing in the Cloud
Period: 2011-2013
Role: Co-Principal Investigator

Agency: Merck Inc
Title: Ezetimibe versus Placebo for the Treatment of NASH: Randomized Controlled Trial
Period: 2013-2016
Role: Principal Investigator

PRIMARY PEER REVIEWED PUBLICATIONS

1. **Loomba R.** Autoimmune hepatitis: a clinical challenge. Nov 2002, Resident Rept J, published by AGA.
2. **Loomba R** and Liang TJ. Novel approaches to new therapies for hepatitis B virus infection. *Antivir ther* 2006; 1: 1-16.
3. Lutchman G, Modi A, Pomrat K, Kleiner D, Ghany MG, Heller T, **Loomba R**, Park Y, Liang TJ, Hoofnagle JH. The effects of discontinuing pioglitazone in patients with nonalcoholic steatohepatitis. *Hepatology* 2007;46(2): 424-9.
4. **Loomba R** and Ghany MG. Diagnosis and treatment of chronic HBeAg-negative hepatitis B. *Curr Hepatitis Rept* 2007; 6:146-153.
5. **Loomba R** and Liang TJ. Treatment of chronic hepatitis B. *Antivir Ther* 2007; 12 Suppl 3:H33-41.
6. **Loomba R**, and Ghany MG. Association of BMI and diabetes and hepatocellular carcinoma. *Ann Intern Med* 2008; 15: 148 (2):166-7.
7. **Loomba R**, Hwang SJ, O'Donnell CJ, Ellison RC, Vasan RS, D'Agostino RB, Liang TJ, and Fox CS. Parental obesity and offspring serum alanine and aspartate aminotransferase levels: the Framingham heart study. *Gastroenterology* 2008; 134(4):953-9.
8. **Loomba R**, Rowley A, Wesley R, Liang TJ, Hoofnagle JH, Pucino F, and Csako G. Preventive lamivudine reduces the risk of chemotherapy-induced hepatitis B virus reactivation: A systematic review. *Ann Intern Med* 2008;148(7):519-28.
9. **Loomba R**, Rowley A, Wesley R, Smith K, Liang TJ, Pucino F, and Csako G. Hepatitis B immunoglobulin and lamivudine reduce hepatitis B related morbidity and mortality post-liver transplantation: Meta-analysis. *Clin Gastroenterol Hepatol.* 2008; 6(6):696-700.
10. **Loomba R**, Wesley R, Pucino F, Liang TJ, Kleiner DE and Lavine JE. Placebo in nonalcoholic steatohepatitis: Insight into natural history and implications for future clinical trials. *Clin Gastroenterol Hepatol.* 2008; 6(11): 1243-8.
11. **Loomba R**, Lutchman GA, Kleiner D, Feld J, Borg B, Modi A, Premkumar A, Sumner A, Liang TJ, and Hoofnagle JH. Clinical Trial: A pilot study of metformin for the treatment of nonalcoholic steatohepatitis. *Aliment Pharmacol Ther* 2009; 29(2): 172-182.
12. **Loomba R**, Kleiner DE, and Hoofnagle JH. Mechanism of action of metformin in nonalcoholic steatohepatitis. *Aliment Pharmacol Thera* 2009; 29 (5): 603-604.
13. Stein L and **Loomba R**. Drug targets for hepatitis B virus. *Infect Disord Drug Targets* 2009; 9(2):105-16.
14. **Loomba R**, Wesley B, Bain A, Csako G, Pucino F. Role of flouroquinolones in primary prophylaxis of spontaneous bacterial peritonitis: Meta-analysis. *Clin Gastroentrol Hepatol* 2009; 7(4):487-93.
15. **Loomba R**, Sirlin CB, Schwimmer JB and Lavine JE. Advances in pediatric nonalcoholic fatty liver disease. *Hepatology* 2009; 50(4):1282-93.

16. Palmore TN, Shah NL, **Loomba R**, Borg BB, Lopatin U, Feld JJ, Khokar F, Lutchman G, Kleiner DE, Young N, Childs R, Barrett JA, Liang TJ, Hoofnagle JH, Heller T. Reactivation of hepatitis B with reappearance of hepatitis B surface antigen after chemotherapy and immune suppression. *Clin Gastroenterol Hepatol* 2009; 7(10):1130-7.
17. **Loomba R**, Bettencourt R, and Barrett-Connor E. Synergistic association between alcohol intake and body mass index with serum alanine and aspartate aminotransferase levels in older adults: The Rancho Bernardo Study. *Aliment Pharmacol Ther.* 2009; 30 (11-12):1137-49.
18. Stein LS, Dong MH, and **Loomba R**. Insulin Sensitizers in Nonalcoholic Fatty Liver Disease and Steatohepatitis: Current Status. *Adva Ther* 2009; 26(10):893-907.
19. Rotman Y, Borg BB, Soza A, Feld JJ, Modi AA, **Loomba R**, Lutchman G, Rivera E, Doo E, Ghany MG, Heller T, Neumann AU, Liang TJ, Hoofnagle JH. Clinical trial: low- and standard-dose peginterferon alfa-2a for chronic hepatitis C, genotype 2 or 3 - efficacy, tolerability, viral kinetics and cytokine response. *Aliment Pharmacol Ther.* 2010;31(9):1018-27.

20. Sanyal AJ, Chalasani N, Kowdley KV, McCullough A, Diehl AM, Bass NM, Neuschwander-Tetri BA, Lavine JE, Tonascia J, Unalp A, Van Natta M, Clark J, Brunt EM, Kleiner DE, Hoofnagle JH, Robuck PR. NASH CRN. Pioglitazone, vitamin E, or placebo for nonalcoholic steatohepatitis. *N Engl J Med*. 2010;6:362(18):1675-85.
21. **Loomba R**, Rao F, Zhang L, Khandrika S, Ziegler M, Brenner DA, and O'Connor DT. Genetic covariance between gamma-glutamyl transpeptidase and fatty liver risk factors: role of beta2-adrenergic receptor genetic variation in twins. *Gastroenterology*. 2010;139(3):836-45.
22. **Loomba R**, Yang YI, Su J, Brenner DA, Iloeje U, and Chen CJ. Obesity and alcohol synergize to increase the risk of incident hepatocellular carcinoma in men. *Clin Gastroenterol Hepatol*. 2010; 8(10):891-8, 898.e1-2.
23. Chalasani NP, Guo X, **Loomba R**, Mark GO, Haritunians T, Kwon S, Jinrui C, Kent TD, Wilson L; Cummings WO, Chen IY, and Rotter JI. Genome-wide association scan (GWAS) of patients with histologically characterized nonalcoholic fatty liver disease (NAFLD). *Gastroenterology* 2010; 139(5):1567-76.
24. Dong M, Bettencourt R, Barrett-Connor EB, and **Loomba R**. Alanine Aminotransferase decreases with age: The Rancho Bernardo Study. *PLoS One*. 2010 Dec 8;5(12):e14254
25. **Loomba R**, McBurney R, Vanessa-Williams, Park Y, Barbara Rehermann, Alter H, Liang TJ, Hoofnagle JH and Heller T. Acute hepatitis C: Clinical presentation, laboratory findings, and treatment outcomes. *Aliment Pharmacol Ther*. 2011; 33(5):559-65.
26. Brunt EM, Kleiner DE, Wilson LA, Belt P, Neuschwander-Tetri BA; NASH Clinical Research Network (CRN). Nonalcoholic fatty liver disease (NAFLD) activity score and the histopathologic diagnosis in NAFLD: distinct clinicopathologic meanings. *Hepatology*. 2011; 53(3):810-20.
27. Lavine JE, Schwimmer JB, Van Natta ML, Molleston JP, Murray KF, Rosenthal P, Abrams SH, Scheimann AO, Sanyal AJ, Chalasani N, Tonascia J, Unalp A, Clark JM, Brunt EM, Kleiner DE, Hoofnagle JH, Robuck PR; Nonalcoholic Steatohepatitis Clinical Research Network. Effect of vitamin E or metformin for treatment of nonalcoholic fatty liver disease in children and adolescents: the TONIC randomized controlled trial. *JAMA*. 2011; 305(16):1659-68.
28. Wassel CL, **Loomba R**, Ix JH, Allison MA, Denenberg JO, Criqui MH. Family history of peripheral artery disease is associated with prevalence and severity of peripheral artery disease the San Diego population study. *J Am Coll Cardiol*. 2011; 58(13):1386-92.
29. Dong M, Bettencourt R, Brenner DA, Barrett-Connor EB, and **Loomba R**. Serum Levels of Alanine Aminotransferase Decrease with Age in Longitudinal Analysis. *Clin Gastroenterol Hepatol*. 2012; 10(3):285-290.
30. Boettcher E, Csako G, Pucino F, Wesley R, and **Loomba R**. Meta-analysis: pioglitazone improves liver histology and fibrosis in patients with nonalcoholic steatohepatitis. *Aliment Pharmacol Ther*. 2012; 35(1):66-75.
31. Lee JK, Bettencourt R, Brenner DA, Le TA, Barrett-Connor E, and **Loomba R**. Association between serum interleukin-6 concentrations and mortality in older adults: The Rancho Bernardo Study. *PLoS One*. 2012;7(4):e34218.
32. Le TA, Chen J, Changchien C, Peterson M, Kono Y, Patton H, Cohen BL, Brenner DA, Sirlin C and **Loomba R** for the San Diego NAFLD Research Consortium (SINC). Effect of colesvelam on liver fat quantified by magnetic resonance in nonalcoholic steatohepatitis: A randomized controlled trial. *Hepatology*. 2012 Sep;56(3):922-932
33. **Loomba R**, Yang YI, Iloeje U, Jun Su, Brenner DA, Barrett-Connor E and Chen CJ. Synergism between obesity and alcohol in increasing the risk of hepatocellular carcinoma: a prospective cohort study. *Am J Epidemiol*. 2013 Feb 15;177(4):333-42
34. **Loomba R**, Abraham MB, Unalp A, Wilson L, Lavine JE, Doo E, Bass M, and the NASH Clinical Research Network. Association between diabetes, family history of diabetes and risk of nonalcoholic steatohepatitis and fibrosis. *Hepatology*. 2012 Sep;56 (3):943-951.
35. **Loomba R**. Who should undergo a liver biopsy in NAFLD? *AGA Perspectives* 2012. Vol 8. No.3: 20-21
36. Bambha K, Belt P, Abraham M, Wilson LA, Pabst M, Ferrell L, Unalp-Arida A, Bass N; **Nonalcoholic Steatohepatitis Clinical Research Network Research Group**. Ethnicity and nonalcoholic fatty liver disease. *Hepatology* 2012; 55(3):769-80. doi: 10.1002/hep.24726.

37. Permutt Z, Le TA, Peterson MR, Seki E, Brenner DA, Sirlin C, **Loomba R**. Correlation between liver histology and novel magnetic resonance imaging in adult patients with non-alcoholic fatty liver disease - MRI accurately quantifies hepatic steatosis in NAFLD. *Aliment Pharmacol Ther*. 2012 Jul;36(1):22-9
38. Le TA, **Loomba R**. Management of nonalcoholic fatty liver disease and steatohepatitis. Accepted for publication in *Journal of Clinical and Experimental Hepatology*
39. Nouredin M, and Loomba R. Indications for liver biopsy & Non-invasive biomarkers in nonalcoholic fatty liver disease. *Clinical Liver Disease*. September 2012: 1, 4, 103–106
40. Abecassis M, Bridges ND, Clancy CJ, Dew MA, Eldadah B, Englesbe MJ, Flessner MF, Frank JC, Friedewald J, Gill J, Gries C, Halter JB, Hartmann EL, Hazzard WR, Horne FM, Hosenpud J, Jacobson JP, Kasiske BL, Lake J, **Loomba R**, Malani PN, T.M. Moore TM, Murray A, Nguyen M-H, Powe NR, Reese PP, Reynolds H, Samaniego MD, Schmader KE, Segev DL, Shah AS, Singer LG, Sosa JA, Stewart ZA, Tan JC, Williams WW, Zaas DW, High KP. Solid Organ Transplantation in Older Adults: Current Status and Future Research. *Am J Transplant*. 2012 Oct;12(10):2608-22
41. Rose SC, Kikolski SG, Gish RG, Kono Y, **Loomba R**, Hemming AW, Wallace MJ; On behalf of the Society of Interventional Radiology. Society of interventional radiology critique and commentary on the cochrane report on transarterial (chemo)embolization. *Hepatology*. 2013 Apr;57(4):1675-6
42. Hwang JP, Vierling JM, Zelenetz AD, Lackey SC, **Loomba R**. Hepatitis B virus management to prevent reactivation after chemotherapy: a review. *Support Care Cancer*. 2012 Nov;20(11):2999-3008
43. Zarrinpar A and **Loomba R**. Systematic Review: The Emerging Interplay Between Bile Acids, Gastrointestinal Tract, and Incretins in the Pathogenesis of Diabetes and Nonalcoholic Fatty Liver Disease. *Aliment Pharmacol Ther*. 2012 Nov;36(10):909-21
44. Loomba R, Doycheva I, Bettencourt R, Cohen B, Wassel C, Brenner DA, and Barrett-Connor E. Serum gamma-glutamyltranspeptidase predicts all-cause, cardiovascular and liver mortality in older adults. Accepted for publication in *Journal of Clinical and Experimental Hepatology*.
45. Doycheva I, Patel N, Peterson M, **Loomba R**. Prognostic implication of liver histology in patients with nonalcoholic fatty liver disease in diabetes. *J Diabetes Complications*. 2013 May-Jun;27(3):293-300
46. Patel N, Peterson MR, Brenner DA, Heba E, Sirlin C, **Loomba R**. Association between novel MRI-estimated pancreatic fat and liver histology-determined steatosis and fibrosis in nonalcoholic fatty liver disease. *Aliment Pharmacol Ther*. 2013 Mar;37(6):630-9.
47. Patel NS, **Loomba R**. Commentary: non-alcoholic fatty pancreas -- toward an uncharted territory; authors' reply. *Aliment Pharmacol Ther*. 2013 May;37(9):916-7
48. Tang A, Tan J, Sun M, Hamilton G, Bydder M, Wolfson T, Gamst AC, Middleton M, Brunt EM, **Loomba R**, Lavine JE, Schwimmer JB, Sirlin CB. Nonalcoholic Fatty Liver Disease: MR Imaging of Liver Proton Density Fat Fraction to Assess Hepatic Steatosis. *Radiology*. 2013 May;267(2):422-431
49. Yang L, Inokuchi S, Roh YS, Song J, **Loomba R**, Park EJ, Seki E. Transforming Growth Factor- β Signaling in Hepatocytes Promotes Hepatic Fibrosis and Carcinogenesis in Mice with Hepatocyte-Specific Deletion of TAK1. *Gastroenterology*. 2013 May;144(5):1042-1054.
50. **Loomba R**, Liu J, Yang HI, Lee MH, Lu SN, Wang LY, Iloeje UH, You SL, Brenner D, Chen CJ. Synergistic Effects of Family History of Hepatocellular Carcinoma and Hepatitis B Virus Infection on Risk for Incident Hepatocellular Carcinoma. *Clin Gastroenterol Hepatol*. 2013 May 10. doi:pii: S1542-3565(13)00618-6. 10.1016/j.cgh.2013.04.043. [Epub ahead of print]
51. Nouredin M, Yates KP, Vaughn IA, Neuschwander-Tetri BA, Sanyal AJ, McCullough A, Merriman R, Hameed B, Doo E, Kleiner DE, Behling C, and **Loomba R** for the NASH CRN. Clinical and histological determinants of nonalcoholic steatohepatitis and advanced fibrosis in elderly patients. Accepted in *Hepatology* 2013.
52. Nouredin M, Lam J, Peterson M, Middleton M, Hamilton G, Le TA, Changchien C, David A, Brenner DA, Sirlin C, and **Loomba R**. Longitudinal comparison between MRI , MRS and histology-determined steatosis in NAFLD patients at two-time points in a randomized trial. Accepted in *Hepatology* 2013.

53. Johnson BL, Schroeder ME, Wolfson T, Gamst AC, Hamilton G, Shiehorteza M, **Loomba R**, Schwimmer JB, Reeder S, Middleton MS, Sirlin CB. Effect of flip angle on the accuracy and repeatability of hepatic proton density fat fraction estimation by complex data-based, T1-independent, T2*-corrected, spectrum-modeled MRI. *J Magn Reson Imaging* 2013.
54. Hoofnagle JH, Van Natta ML, Kleiner DE, Clark JM, Kowdley KV, **Loomba R**, Neuschwander-Tetri BA, Sanyal AJ, Tonascia J; the Non-alcoholic Steatohepatitis Clinical Research Network (NASH CRN). Vitamin E and changes in serum alanine aminotransferase levels in patients with non-alcoholic steatohepatitis. *Aliment Pharmacol Ther.* 2013 May 29. doi: 10.1111/apt.12352. [Epub ahead of print]
55. Levin YS, Yokoo T, Wolfson T, Gamst AC, Collins J, Achmad EA, Hamilton G, Middleton MS, **Loomba R**, Sirlin CB. Effect of echo-sampling strategy on the accuracy of out-of-phase and in-phase multiecho gradient-Echo MRI hepatic fat fraction estimation. *J Magn Reson Imaging.* 2013 May 29. doi: 10.1002/jmri.24193. [Epub ahead of print]

ORAL AND ABSTRACT PRESENTATIONS

1. **Loomba R** and Marshall JP, St. Luke's Hospital, St. Louis. Mesocaval shunt graft migration through the bowel wall and passing through the ileostomy. Poster presentation at ACG meeting at Seattle, Oct. 2002.
2. **Loomba R**, Brunt EM, Luxon BA, Bacon BR, and Neushwander-Tetri BA. Long-term outcome of patients with autoimmune hepatitis with high or low dose prednisone as initial therapy is equal. Oral presentation in DDW, May 2002. *Gastroenterology* (abstr) 2002; 122:A-628: 109
3. Feld J, Gladwin M, Kleiner D, **Loomba R**, Liang TJ, Hoofnagle JH and Heller T. Liver Diseases Branch, NIDDK NIH. Liver disease in sickle cell anemia. Poster presentation at AASLD, 2005.
4. Borg B, Neumann A, Ghany M, Heller T, Kleiner D, **Loomba R**, Liang TJ and Hoofnagle JH. Liver Diseases Branch, NIDDK, NIH. Trial of low dose peginterferon alfa-2a and ribavirin for patients with chronic hepatitis C infected with genotype 2 or 3. Poster presentation at AASLD, 2005.
5. Lutchman G, Neumann A, Ghany M, Heller T, **Loomba R**, Liang TJ and Hoofnagle JH. Liver Diseases Branch, NIDDK, NIH. Early viral kinetics in patients with chronic hepatitis C and end stage renal disease during therapy with Peginterferon α -2a. Poster presentation at AASLD, 2005.
6. Ghany M, Lutchman G, Kleiner D, Borg B, Heller T, **Loomba R**, Liang TJ, and Hoofnagle JH. Liver Diseases Branch, NIDDK, NIH. Lamivudine and Adefovir versus Adefovir alone for HbeAg-positive chronic hepatitis B. Poster presentation at AASLD, 2005.
7. **Loomba R** and Heller T. Liver Diseases Branch, NIDDK, NIH. Prospective study of liver involvement in Turner Syndrome: elevation in liver enzymes and their relation with syndrome specific features. Poster presentation at NIDDK Fellows Retreat, 2005.
8. **Loomba R**, Lutchman G, Kleiner D, Heller T, Ghany M, Liang TJ and Hoofnagle JH. Liver Diseases Branch, NIDDK, NIH. Histologic changes in nonalcoholic steatohepatitis in untreated patients: a paired liver biopsy study. Poster presentation in NASH clinical research forum in DDW, 2005.
9. **Loomba R**, McBurney R, Lutchman GA, Rehermann B, Herrine SK, Alter H, Liang TJ, Hoofnagle JH and Heller T. Liver Diseases Branch, NIDDK, NIH. Acute hepatitis C: clinical presentation, laboratory findings, and treatment outcomes. Oral presentation at AASLD, 2005.
10. **Loomba R**, Lutchman GA, Kleiner D, Feld J, Borg B, Ghany M, Heller T, Doo E, Modi A, Liang TJ, and Hoofnagle JH. Liver Diseases Branch, NIDDK, NIH. Metformin for the treatment of nonalcoholic steatohepatitis. Oral presentation at AASLD 2006.
11. Feld JJ, Lutchman GA, **Loomba R**, Ghany M, Heller T, Liang TJ, Neumann A, Hoofnagle JH. Liver Diseases Branch, NIDDK, NIH, Bethesda, MD. Should peginterferon be dosed twice weekly? Poster presentation at AASLD meetings 2007.
12. Rotman Y, Borg B, Soza A, **Loomba R**, Modi AA, Feld JJ, Rivera E, Doo E, Heller T, Ghany MG, Liang TJ, Hoofnagle JH. Liver Diseases Branch, NIDDK, NIH, Bethesda, MD. Low dose peginterferon alfa-2a and ribavirin for chronic hepatitis C, genotype 2 & 3: viral kinetics, efficacy and safety. Poster presentation at AASL meetings 2007.
13. **Loomba R**, Rowley A, Wesley R, Liang TJ, Hoofnagle JH, Pucino F, and Csako G. Liver Diseases Branch, NIDDK, NIH, Bethesda, MD. Pre-emptive lamivudine reduces the risk of chemotherapy-induced HBV-related morbidity and mortality in HBsAg positive cancer patients: A Meta-analysis. Poster presentation at AASLD meetings 2007.
14. **Loomba R**, Rowley A, Wesley R, Smith K, Liang TJ, Pucino F, and Csako G. Hepatitis B immunoglobulin and lamivudine reduce hepatitis B related morbidity and mortality post-liver transplantation: Meta-analysis. Poster presentation at DDW meetings 2008.

15. **Loomba R**, Bettencourt R, and Barrett-Connor E. Sex-specific association between alcohol intake, body size and serum aminotransferase levels: The Rancho Bernardo Study. Poster presentation at AASLD meetings 2008.
16. **Loomba R**, Bettencourt R, Brenner D and Barrett-Connor E. Serum γ -glutamyl transpeptidase independently predicts mortality in older adults: The Rancho Bernardo Study. Poster presentation at DDW meetings 2009.
17. **Loomba R**, Yang YI, Su J, Brenner DA, Iloeje U, and Chen CJ. Synergistic effect of obesity and alcohol on risk of hepatocellular carcinoma in men: a prospective cohort study. Poster presentation at AASLD meetings 2009.
18. **Loomba R**, Rao F, Zhang L, Khandrika S, Ziegler M, Brenner DA, and O'Connor DT. Genetic covariance between gamma-glutamyl transpeptidase (GGT) and fatty liver risk factors, as well as the novel effect of β_2 -adrenergic receptor (*ADRB2*) genetic variation: A twin study. Poster presentation at AASLD meetings 2009.
19. **Loomba R**, Yang YI, Su J, Brenner DA, Barrett-Connor E, and Chen CJ. Synergistic effect of obesity and alcohol on risk of hepatocellular carcinoma: a prospective cohort study. Poster presentation at DDW meetings 2010.
20. Dong M, Bettencourt R, Barrett-Connor E, and **Loomba R**. Alanine aminotransferase decreases with age: The Rancho Bernardo Study. Oral presentation at DDW 2010.
21. **Loomba R**, Neuschwander-Tetri BA, Sanyal AJ, Chalasani NC, Kowdley K, McCullough AJ, Diehl AM, Bass NM, Lavine JE, Brunt EM, Kleiner D, Donithan M, Van Natta M, Tonascia J, Unalp A, Clark JM, and Robuck PR for the NASH CRN. Changes in ALT and vitamin E levels and histological response in patients with NASH treated with vitamin E in the PIVENS trial. Poster presentation at AASLD 2010.
22. Boland B, Bettencourt R, Brenner DA, Barrett-connor E, and **Loomba R**. Association between serum bilirubin and mortality in older adults: The Rancho Bernardo Study. Poster presentation at DDW 2011.
23. **Loomba R**, Abraham M, Unalp A, Wilson L, Lavine J, Doo E, Bass NM. and the NASH Clinical Research Network. Association between family history of diabetes and risk of nonalcoholic steatohepatitis. Poster presentation at DDW 2011.
24. Nouredin M, Vaughn I, Neuschwander-Tetri BA, Sanyal AJ, McCullough AJ, Merriman R, Yates K, Tonascia J, Ünalp-Arida A, Doo E, Kleiner DE, Behling C, and **Loomba R** and the NASH CRN. Clinical and histological determinants of nonalcoholic steatohepatitis and advanced fibrosis in the elderly. Poster presentation at AASLD 2011.
25. Le TA, Chen J, Changchien C, Peterson M, Kono Y, Patton H, Cohen BL, Brenner DA, Sirlin C and **Loomba R** for the San Diego NAFLD Research Consortium (SINC). Effect of colessevelam on liver fat quantified by magnetic resonance in nonalcoholic steatohepatitis: A randomized controlled trial". Poster presentation at DDW 2012.
26. Permutt Z, Le TA, Peterson M, Seki E, Brenner DA, Sirlin C and **Loomba R**. Correlation between liver histology and novel magnetic resonance imaging in adult patients with nonalcoholic fatty liver disease. Poster presentation at DDW 2012.