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Curriculum Vitae

## Hospital Appointment

*September 2009- , Boston, MA*
Instructor, Harvard Medical School
Attending, Department of Medicine, Division of Gastroenterology/Hepatology
Beth Israel Deaconess Medical Center

## Education and Training

*July 2008–June 2009, Boston, MA*

Beth Israel Deaconess Medical Center
Fellowship, Advanced/Transplant Hepatology, and
Clinical Fellow in Medicine, Harvard Medical School

*July 2005–June 2008, Boston, MA*

Beth Israel Deaconess Medical Center
Fellowship, Gastroenterology, and
Clinical Fellow in Medicine, Harvard Medical School

*June 2006–August 2006, Boston, MA*

Summer Program in Clinical Effectiveness
Harvard University (School of Public Health, Harvard Medical School,
Mass General Hospital and Brigham & Women's Hospital)

*July 2003–June 2005, Boston, MA*

Beth Israel Deaconess Medical Center
Residency, Internal Medicine, and
Clinical Fellow in Medicine, Harvard Medical School

*June 2002–June 2003, Boston, MA*

Beth Israel Deaconess Medical Center
Internship, Internal Medicine, and
Clinical Fellow in Medicine, Harvard Medical School

*1997–2002, New York, NY*

Columbia University, College of Physicians and Surgeons
M.D., 2002

*1997–2002, New York, NY*

Columbia University, Joseph L. Mailman School of Public Health
M.P.H., 2002

*1993–1997, Cambridge, MA*

Harvard University
A.B., *magna cum laude*, 1997 (Biology)

## Research and Related Activities

*September 2009–present, Boston, MA*

Beth Israel Deaconess Medical Center
Research on Noninvasive Evaluation of NASH with Nezam Afdhal, M.D. and John B. Wong, MD
Supported by NIH K23 award
PI on NAFLD Patient Registry and Outcome of Bariatric Surgery in patients with advanced hepatic fibrosis from HCV and/or NASH

*July 2003–present, Boston, MA*

Beth Israel Deaconess Medical Center
Research on hepatic fibrosis, gallstones, viral hepatitis B, HCC, NASH with Nezam Afdhal, M.D.

*January 2001–May 2002, New York, NY*

Columbia University
Epidemiologic research on cirrhosis in New York State and living donor liver transplantation under the mentorship of Robert S. Brown, Jr., M.D., M.P.H.

*January 2001–December 2001, New York, NY*

Columbia-Presbyterian Center for Liver Disease
Research coordinator for hepatitis C clinical trials.

*September 2000–October 2000, Taipei, Taiwan*

National Taiwan University
Intensive clinical and research hepatology rotation. Clerkship supported by a grant from the American Bureau for Medical Advancement in China

*June 1996–August 1996, San Jose, Costa Rica*

SmithKline Beecham
Project assistant responsible for the research and synthesis of a project report. Worked with the Costa Rican government to assess the technological needs of the Costa Rican health care system.

*August 1995–May 1996, Cambridge, MA*

Laboratory of Walter Gilbert, Ph.D.
Research assistant, molecular biology research (PCR)

## Teaching

*September 2009- December 2009, Boston, MA*

Beth Israel Deaconess Medical Center
Preceptor for Patient-Doctor II- taught second year medical students history and physical examination skills.

*July 2006-present, Boston, MA*

Beth Israel Deaconess Medical Center
Developed Hepatology Core Curriculum for Housestaff and first-year GI fellows. Organized Hepatology conferences (grand rounds, research seminars, journal club, pathology conference)

*July 2005-present, Boston, MA*

Beth Israel Deaconess Medical Center
Mentoring housestaff in research projects (Ben Hyatt, Brian Gill, Rakhi Kheraj, Lindsey Petty)

*November 2007, Boston, MA*

Teaching abdominal exam to Harvard Medical Students

## Committees

*2010-2013*
Editorial Board of *World Journal of Gastroenterology*- member

*January 2009-December 2009*

AASLD Public Policy Committee- Develop policy recommendations for consideration by the governing board with regard to hepatology and assure that those policies are accurately reflected in external communications.

*July 2003-June 2005*
BIDMC Credentialing Committee

## Publications

1. "A Survey of Liver Transplantation from Living Adult Donors in the United States," Brown RS Jr, Russo MW, **Lai M**, Shiffman ML, Richardson MC, Everhart JE, Hoofnagle JH. N Engl J Med; 348:818-825, Feb 27, 2003.

2. "The clinical significance of a persistently normal ALT in chronic hepatitis B infection," **Lai M**, Hyatt BJ, Nasser I, Curry M and Afdhal NH. J of Hepatology 2007 Dec;47(6):760-7.

3. "Liver Masses and Eosinophilia," **Lai M***, Afdhal N and Challies T. Liver International 2008 Jan; 28(1):150. *corresponding author

4. "Comparison of transient elastography, APRI score, AST/ALT ratio, Hyaluronic acid and clinical signs for the diagnosis of compensated cirrhosis." Malik R, **Lai M**, Sadiq A, Farnan R, Mehta S, Nasser I, Challies T, Schuppan D and Afdhal N. J Gastroenterol and Hep 2010. In press.

5. "Ubiquitin-Proteasome Profiling for the Early Detection of Small Size Hepatocellular Carcinoma." Qu KZ, Zhang K, Ma W, Li H, Wang X, Zhang X, Giles F, **Lai M**, Afhdal NH, Albitar. (In review)

## Abstracts

1. Poster AASLD 2001, "Use of Granulocyte Colony Stimulating Factor (GCSF) For Interferon Induced Neutropenia in Patients with Chronic Hepatitis C Infection," Sood A, Reddy N, Russo MW, Brown RS Jr, Jacobson IM, **Lai M**.

2. "Race and Payor Source are Barriers to Access to Liver Transplantation and Risk Factors for Death from Liver Cirrhosis in New York State: A Statewide Analysis," **Lai M**, Cardenas A, Emond JC, Brown RS Jr. Presented at the AASLD Presidential Plenary Session, November 1, 2004.

3. "Role of liver biopsy in patients with normal ALT and high HBV DNA," **Lai M**, Hyatt B, Afdhal N. Hepatology 2005; 42(S1):720A.

4. "Prediction of Liver Fibrosis in Non Alcoholic Steatohepatitis (NASH): Risk Factors and Diagnostic Potential of Liver Elasticity Using Fibroscan," Deledinghen V, Beaugrand, Kelleher TB, Foucher J, Castera L, Ziol M, Ganne N, **Lai M**, Afdhal NH. Presented at the 2006 EASL Parallel Session.

5. "Comparison of Fibroscan, APRI score, AST/ALT ratio, Hyaluronic acid and clinical signs for the diagnosis of compensated cirrhosis ." Malik R, **Lai M**, Nasser I, Schuppan D and Afdhal N. Presented as poster at AASLD 2007.

6. "Utility of four tumor markers, alone and in combination, for detection of hepatocellular carcinoma: AFP, AFP-L3, DCP, and Cystatin C." Li H, Sferruzza A, Qu KZ, Afdhal NH, **Lai M**, Radcliff JS, Bender RA. *J Clin Oncol* 26: 2008 (May 20 suppl; abstr 4585)

7. "Identification of Biomarkers that Measure Disease Activity in Patients with Nonalcoholic Fatty Liver Disease." Malik R, Lai M, Bhaskar K, Nasser I, Curry M, Schuppan D and Afdhal N. *J of Hepatology* 2008; 48 (S2): S355.

8. "High Prevalence of Hepatic Steatosis and its Impact on Fibrosis in Chronic Hepatitis B." Bleibel W, Hussain G, **Lai M**, Hayne C, Afdhal N, Lau D. Presented as poster at 2008 AASLD.

9. "Modeling Variability in Hepatocellular Carcinoma Growth." Miksad RA, Geisler BP, Gaughan EM, Wei JL, Brennan DD, Lai KC, Stadler ZK, Gill BM, Lai M, Stuart KE. Presented as poster at 2009 AASLD.

10. "Sensitivity of Ultrasound for Hepatic Steatosis Detection Based on Histological and Digital Scores in Nonalcoholic Fatty Liver Disease." Hussain G, Tapper E, Mavrakis A, Krajewski K, Hayne C, Yagi Y, **Lai M**, Holder S, Challies T, Kane R, Afdhal N, Lau D. Accepted as poster presentation at DDW 2010.

## Reviews, Editorials, Book Chapters

1. **Lai M** and Afdhal N. "Non-invasive markers of liver fibrosis." Advances in Digestive Disease. Ed. Collin W. Howden. Bethesda: AGA Institute Press, 2007. pp.121-133.

2. **Lai M** and Afdhal N. "Maintenance therapy." 100 Key Questions on Hepatitis C. Ed. Xavier Forns. Barcelona: Permanyer Publications, 2008. pp. 113-118.

3. **Lai M** and Afdhal N. "Liver biopsy in hepatitis C patients with easy-to-treat characteristics: should we bother or just do biomarkers?" Clinical Dilemmas in Viral Liver Disease. Ed. G.R. Foster and K.R. Reddy. West Sussex: Wiley-Blackwell, 2010. pp. 6-8.

4. **Lai M** and Afdhal N. "Non-invasive evaluation of hepatic fibrosis in NAFLD."

5. **Lai M** and Liaw YF. "Chronic Hepatitis B: past, present, and future." Clinics in Liver Diseases. Ed. Naoki Tsai. Philadelphia: Elsevier Saunders, 2010. in press.

6. **Lai M** and Wolf J. "The Liver in Pregnancy." Handbook of Liver Disease, 3rd edition. Ed. Lawrence S. Friedman and Emmet B. Keeffe. Philadelphia: Elsevier Saunders, 2010. in press.

7. **Lai M**. "Do we need to change our national organ donation policy?" Hepatology 2010 May; 51(5):1479-82.
8. **Lai M** and Afdhal N. "Healthcare Quality measurement in the care of patients with cirrhosis." Clinical Gastroenterology and Hepatology 2010. in press.

## Honors and Awards

2009: Awarded K23 by NIH for research on Non-invasive Evaluation of NASH (support period 1/1/10-12/31/15)
2008: Excellence in Medical Education Gastroenterology/Hepatology Fellows Travel Grant
2008-09: AASLD Advanced Hepatology Fellowship
2006-07: Bristol-Myers Squibb Virology Fellowship
1993-97: Dean's List, Harvard University
1993-97: John Harvard Scholarship, Harvard University
1993-97: Elizabeth Cary Agassiz Scholarship, Harvard University
1993: National Merit Scholar

## Miscellaneous

Languages: English, Spanish, Mandarin Chinese, Taiwanese