

CURRICULUM VITAE

Rachel B. Levine, M.D., MPH

1/10
Date

DEMOGRAPHIC INFORMATION

Current Appointments:

University: Assistant Professor, Division of General Internal Medicine, The Johns Hopkins University School of Medicine, initial appointment July, 2004.

Faculty Board Member of 'The Osler Center for Clinical Excellence at Johns Hopkins' (2006-present)

Core Faculty Advisor, Sabin College, Johns Hopkins University School of Medicine Colleges Advisory Program (2005-present)

Personal Data:

Division: General Internal Medicine

Department: Medicine

Work Address: Division of General Internal Medicine, Johns Hopkins Bayview Medical Center, 5200 Eastern Ave., Mason F. Lord Bldg., Center Tower, Suite 2300, Baltimore, Maryland 21224

Fax: (410) 550-3403

DOB: 11/14/69

Spouse: Stuart I. Caplan, DVM

Children: Abraham Lev Caplan DOB 3-22-04
Benjamin Charles Caplan DOB 6-22-06
Caroline Eva Caplan DOB 2-25-08

EDUCATION AND TRAINING AND PROFESSIONAL EXPERIENCE:

Year	Degree	Institution	Discipline
Undergraduate 1992	Bachelor of Arts	McGill University, Montreal, Canada	Political Science
Graduate 1997	Doctor of Medicine	McGill University, Montreal, Canada	Medicine
Post-doctoral 1997-1998	Internship	Boston University School of Medicine Residency	Internal Medicine
1998-2000	Residency	Boston University School of Medicine Residency	Internal Medicine
2001-2004	GIM fellowship	Johns Hopkins University School of Medicine	Medical Education
2001-2002	Certificate	Johns Hopkins Faculty Development Program (1/2 day per week for 10 months)	Teaching Skills
2001-2002	Certificate	Johns Hopkins Curriculum Development Course (1/2 day per week for 10 months)	Curriculum Development
2002-2003	MPH	Johns Hopkins Bloomberg School of Public Health	Epidemiology

Professional experience:

Dates	Position	Institution
2001-2004	Fellow, Division of General Internal Medicine	JHUSOM
2004-present	Assistant Professor, Division of General Internal Medicine	JHUSOM
2005-present	Faculty College Advisor, Sabin College	JHUSOM

RESEARCH ACTIVITIES

Please see below

EDUCATIONAL ACTIVITIES

Educational Publications

1. Wang SA, **Levine RB**, Carson LA, Arduino MJ, Killar T, Grillo FG, Pearson ML, Jarvis WR. *An outbreak of gram-negative bacteremia in hemodialysis patients traced to hemodialysis machine waste drain ports*. Infect Control Hosp Epidemiol. 1999;20:746-751.
2. Greene MS, Aharonowitz G, Shohat T, **Levine R**, Anis E. *The changing epidemiology of viral hepatitis A in Israel*. Isr Med Assoc J. 2001;3:347-351.
3. Hebert RS, **Levine RB**, Smith CG, Wright, SM. *A systematic review of resident research curricula*. Acad Med. 2003; 78: 61-68.
4. **Levine RB**, Hebert RS, Wright SM. *The three headed mentor: Rethinking the classical construct*. Med Ed. 2003;37:486.
5. Clark JM, Houston TK, Kolodner K, Branch WT, **Levine RB**, Kern DE. *Teaching the teachers: national survey of faculty development for teaching skills in departments of medicine of U.S. teaching hospitals*. J Gen Intern Med. 2004; 19:205-214.
6. Houston TK, Clark JM, **Levine RB**, Ferenchick GS, Bowen JL, Branch WT, Boulware DW, Alguire P, Esham RH, Clayton CP, Kern DE, *Outcomes of a national faculty development program in teaching skills: prospective follow-up of 110 internal medicine faculty development teams*. J Gen Intern Med, 2004 Dec;19 (12):1220-7.
7. **Levine RB**, Hebert RS, Wright SM. *Resident research and scholarly activity in internal medicine residency training programs*. J Gen Intern Med. 2005; 20:155-159.
8. Ramulu V, **Levine RB**, Hebert RS, Wright SM. *Development of a Case Report Review Instrument* Int J Clin Pract, 2005;59:457-461.
9. Rivera J, **Levine RB**, Wright SM. *Completing a scholarly project during residency. Perspectives of residents who have been successful*. J Gen Intern Med. 2005;20:366-9.
10. **Levine RB**, Hebert RS, Wright SM. *Factors associated with program citation for lack of scholarly activity in internal medicine residencies*. Teach Learn Med. 2005;17:328-31.
11. Reed DA, Kern DE, **Levine RB**, Wright SM. *Costs and funding for published medical education research*. JAMA. 2005; 294:1052-7.
12. Windish DM, Kravet SJ, Reed DA, **Levine RB**, Wolfe L, Wright SM. *What is an acceptable annual increase in malpractice premiums? The physician perspective*. JCOM. 2006 Dec;13(12):694-698.
13. **Levine RB**, Kravet S, Reed DA, Windish DM, Wolfe L, Wright SM. *Facing the malpractice crisis: academic physicians' willingness to accept quick fix solutions*. South Med J. 2006 Dec;99(12):1334-6.

14. **Levine RB**, Mechaber H. *Opting-in. Part-time careers in academic medicine.* Am J Med. 2006 May;119(5):450-3.
15. Bowen JL, Clark JM, Houston TK, **Levine R**, Branch W, Clayton CP, Alguire P, Esham R, Boulware DW, Ferenchick G, Kern DE. *A national collaboration to disseminate skills for outpatient teaching in internal medicine: program description and preliminary evaluation.* Acad Med. 2006 Feb;81(2):193-202.
16. Wright SM, **Levine RB**, Beasley B, Haidet P, Caccamese S, Brady D, Gress T, Marwaha A, Kern DE. *Personal growth and its correlates during residency training.* Med Educ. 2006 Aug;40(8):737-45.
17. **Levine RB**, Haidet P, Kern DE, Beasley B, Brady D, Gress T, Bensinger L, Nelson J, Hughes J, Marwaha A, Wright SM. *Personal Growth During Internship: A Qualitative Analysis of Interns' Responses to Key Questions.* J Gen Intern Med. 2006 Jun;21(6):564-9.
18. Reed DA, **Levine RB**, Miller RG, Ashar BH, Bass EB, Rice TN, Cofrancesco J Jr. *Effect of residency duty-hour limits: views of key clinical faculty.* Arch Intern Med. 2007 Jul 23;167(14):148-92
19. Kravet SJ, **Levine RB**, Ruben H, Wright SM. *Discharging patients Earlier in the Day: A Concept Worth Evaluating.* Health Care Manag . 2007 April/June;26(2):142-146.
20. Ashar B, **Levine R**, Magaziner J, Shochet R, Wright S. *An Association Between Paying Physician-teachers for their Teaching Efforts and an Improved Education Experience for Learners.* J Gen Intern Med. 2007 ;
21. **Levine RB**, Kern DE, Wright SM. *The impact of prompted narrative writing during internship on reflective practice: a qualitative study.* Adv Health Sci Educ Theory Pract. 2007 Sep 21;
22. Reed DA, Cook DA, Beckman TJ, **Levine RB**, Kern DE, Wright SM. *Association between funding and quality of published medical education research.* JAMA. 2007 Sep 5;298(9):1002-9.
23. Reed DA, Windish DM, **Levine RB**, Kravet SJ, Wolfe L, Wright SM. *Do fears of malpractice litigation influence teaching behaviors?* Teach Learn Med. 2008 Jul-Sep;20(3):205-11.
24. Reed DA, **Levine RB**, Miller RG, Ashar BH, Bass EB, Rice T, Cofrancesco J Jr. *Impact of duty hour regulations on medical students' education: views of key clinical faculty.* J Gen Intern Med. 2008 Jul;23(7):1084-9.
25. Reed DA, Beckman TJ, Wright SM, **Levine RB**, Kern DE, Cook DA. *Predictive validity evidence for medical education research study quality instrument scores: quality of submissions to JGIM's Medical Education Special Issue.* J Gen Intern Med. 2008 Jul;23(7):903-7.
26. Mechaber HF, **Levine RB**, Bailer Manwell L, Mundt MP, Linzer M. MEMO investigators. *Part-Time Physicians...Prevalent, Connected, and Satisfied.* J Gen Intern Med. 2008 Mar 23; (3):300-3.
27. **Levine RB**, Harrison RA, Mechaber HF, Phillips C, Gallagher TH. *Professional Characteristics and Job Satisfaction Among SGIM Members: A Comparison of Part-time and Full-time Physician Members.* J Gen Intern Med. 2008 Aug;23(8):1218-21.
28. Kantsiper ME, Ratanawongsa N, Wright SM, Smith C, **Levine RB**. Professional satisfaction for hospitalists: What interested medical students and residents should know about a career in hospital medicine. *Hospital Physician.* 2009;45:23-
29. Adackapara C, Ratanawongsa N, Wright SM, **Levine RB**. Location matters: The impact of clinical setting on personal growth during residency training. Accepted for publication in an upcoming issue of *Seminars in Medical Practice.*
30. Murinson B, Klick B, Haythornthwaite JA, Shochet R, **Levine RB**, Wright SM. Formative experiences of emerging physicians: Gauging the impact of events that occur during medical school. Accepted for publication in *Acad Med.*
31. **Levine RB**, Cayea D, Shochet RB, Wright SM. *Case Study: A Mid-Clerkship Crisis-Lessons Learned from Advising a Medical Student with Career Indecision.* Accepted for publication in *Acad Med.*

Letters, correspondence

Ratanawongsa N, Wright SM, **Levine RB**. *Association between higher mental well-being and residents' capacity for empathy*. J Gen Intern Med. 2006 Apr;21(4):401-2; author reply 402

Extramural Funding

- 2006 Osler Center for Clinical Excellence
 Sponsor: Osler Center
 Direct costs: \$4,750
 PI: Rachel Levine, MD, 0% effort
 Notes: Small Grant Program for Medical Education Projects
- 2007 Society of General Internal Medicine
 Sponsor: SGIM, Mary O'Flaherty Horn Scholar in General Internal Medicine
 Notes: This is a 3 year junior faculty award that supports .25 FTE to promote scholarship, advocacy and creativity in the balance of work, family and social responsibility.

Research Program Building/Leadership

2006-present Research Committee, JHUSOM Colleges Advisory program

Teaching:

	Classroom Instruction Learners	Course	Role
2004- present	Interns, JHBMC	Med-psych rotation Breaking bad news Advance care planning	Faculty
2005- present	Medical students, JHSOM	The Healer's Art, Fall	Faculty
2006- present	Medical students, JHSOM	Practicing Empathy: A Reflective Writing Seminar	Faculty
2008-present	Medical Students, JHUSOM	TRIPLE, Personal/Professional Balance	Faculty
2009	Medical Students, JHUSOM	"Improvisational Theater Workshop: an interactive workshop to learn and practice improvisational theater skills in the context of the patient-physician encounter." The Patient, Physician and Society, selective	Faculty
2009	Medical Students, JHUSOM	Creative Writing, Restorative Medicine	Faculty

Clinical Instruction

	Learners	Service/Dates	Role
2004-present	Residents and medical students, JHBMC	Ward attending (2-4 weeks/year)	Faculty
2005-present	Medical students, JHUSOM	Clinical skills course (1/2 day per week)	Faculty

CME Instruction & National Activities

Dates	Workshop/Seminars
October 2003	“Guiding residents along the path toward personal growth.” Workshop at the Association of Program Directors in Internal Medicine annual national meeting, Washington, DC.
January 2003	“Looking for Evidence of Personal Growth During Internship” Grand Rounds Presentation, Johns Hopkins Bayview Medical Center
May 2004	“Guiding Residents along a Path Toward Personal Growth.” Workshop organizer: SGIM National Meeting Chicago, IL
May 2005	“Part-time Careers in Academic Medicine” Workshop organizer: SGIM National Meeting, New Orleans, LA
November 2006	”Bridging Cultural Difference in Medical Education ” Workshop facilitator: The Johns Hopkins Faculty Development Program in Teaching Skills
November 2007	“The Balancing Act: Work, Life and Careers in Academic Medicine” Grand Rounds presentation JHBMC
April 2008	“Relationship-Centered Culture Change to Promote Work-Life Balance: Change Starts with you!” Workshop organizer: SGIM National Meeting, Pittsburgh, PA
May 2009	“Discover your inner advisor. Enhancing the advising skills of general internists.” Workshop organizer: SGIM National Meeting, Miami, FL.
May 2009	“Advancing Part-time careers in academic medicine” Workshop Faculty: SGIM National Meeting, Miami, FL.

National Poster and Oral Presentations

1. **Levine RB**, Tjia J. Iron deficiency anemia leading to metabolic alkalosis. Poster presentation at the American College of Physicians-American Society of Internal Medicine, Massachusetts Chapter 1999 Scientific Meeting, clinical vignette competition.
2. **Levine RB**, Adler E, Tjia J. Respiratory arrest secondary to absorption of a transdermal Fentanyl patch via the oral mucosa. Winner Clinical Vignettes Competition, American College of Physicians-American Society of Internal Medicine, 2000 National Associates Competition. Oral presentation April 2000, Philadelphia, PA.
3. **Levine RB**, Jenckes MW, Clark JM, Houston TK, Branch WT, Kern DE. Barriers and Facilitators to Faculty Development in US Teaching Hospitals. Poster Presentation at the Society of General Internal Medicine national meeting, May 2002, Atlanta, GA.
4. **Levine RB**, Beasley B, Bensinger L, Brady D, Gress T, Haidet P, Hughes J, Marwaha A, Nelson J, Kern D, Wright SM, Looking for Evidence of Personal Growth During Internship. Poster Presentation at the SGIM national meeting, May 2003, Vancouver, Canada
5. Ashar BH, Miller RG, Pichard CP, Leung LS, **Levine RB**, Wright SM, Patients’ Understanding of the Regulation of Dietary Supplements, Poster Presentation at the SGIM national meeting, May 2004, Chicago, IL
6. Wright SM, **Levine RB**, Beasley B, Brady D, Caccamese, Gress T, Haidet P, Marwaha A, Kern D, Personal Growth During Residency Training, Poster Presentation at the SGIM national meeting, May 2004, Chicago, IL

7. **Levine RB**, Kravet SJ, Reed DA, Windish DM, Wolfe L, Wright SM, Facing the Malpractice Crisis: academic physicians' willingness to accept quick fix solutions. Poster Presentation at the SGIM national meeting, May 2005, New Orleans, LA
8. **Levine RB**, Mechaber HF, Harrison R, Phillips C, Gallegger T. Professional Characteristics and Job Satisfaction Among SGIM Members: A Comparison by Part-time and Full-time Physician Status. Oral presentation. SGIM national meeting, April 2006, Los Angeles, CA
9. **Levine RB**, Mechaber HF, Bass EB, Wright SM. Predictors of Academic Success among Part-time Faculty. Oral presentation and Hamolsky Award Finalist, SGIM national meeting, April 2006, Los Angeles, CA
10. Darcy A. Reed, MD, MPH, **Rachel B. Levine, MD, MPH**, Redonda G. Miller, MD, MBA, Bimal H. Ashar, MD, MBA, Eric B. Bass, MD, MPH, Tasha N. Rice, MHS, Joseph Cofrancesco Jr. MD, MPH Impact of the eighty-hour work week: views of key clinical faculty. Oral Presentation Johns Hopkins Research in Medical Education Retreat September 2006, Baltimore, MD
11. Darcy A. Reed, MD, MPH, **Rachel B. Levine, MD, MPH**, Redonda G. Miller, MD, MBA, Bimal H. Ashar, MD, MBA, Eric B. Bass, MD, MPH, Tasha N. Rice, MHS, Joseph Cofrancesco Jr. MD, MPH Impact of Residency Duty Hour Regulations on Medical Students' Education. Oral Presentation and First Prize Johns Hopkins Research in Medical Education Retreat, September 2006, Baltimore, MD
12. Tello M, **Levine R**, Ogborn J, Clever S, Biddle W, Bass E. Implementation and Evaluation of a Reflective Writing Seminar for Medical Students. Oral presentation, Innovations in Medical Education, SGIM national meeting, April 2007, Toronto, CA
13. Reed DA, Cook DA, Beckman TJ, **Levine RB**, Kern D, Wright SM. Funding is Associated with Quality in Medical Education Research, . Oral presentation and Hamolsky Award Winner, SGIM national meeting, April 2007, Toronto, CA
14. Tello, MA, **Levine RB**, Clever SL, Biddle W, Bass EB Implementation and evaluation of a reflective writing seminar for second year medical students. Oral Presentation University of Iowa Reflective Writing for Medical Students Conference, Iowa City, Iowa, April 2007.
15. **Levine RB**, Ashar BH, Shochet R, Hughes M, Stewart RW, Wright SM. Medical Students' Perspectives on Student-Faculty Advising Relationships and the Influence of Gender and Race Concordance. Poster Presentation, SGIM national meeting, April 2007, Toronto, CA.
16. **Levine RB**, Ashar BH, Shochet R, Hughes M, Stewart RW, Wright SM. Medical Students' Perspectives on Student-Faculty Advising Relationships and the Influence of Gender and Race Concordance. Oral Presentation, Johns Hopkins Medical Education Research Symposium, 2007, Baltimore, MD
17. King J, **Levine RB**, Haidet P, Clever SL, Wright SM, Shochet R. The art of improvisation: a tool for medical students to develop patient communication skills. Poster presentation SGIM national meeting, April 2008, Pittsburgh, PA
18. Lin FJ, Wright SM, Kern DE, **Levine RB**, JA Carrese. Leaving academic medicine: perspectives of female junior faculty. Poster presentation SGIM national meeting, April 2008, Pittsburgh, PA

Mentoring

GIM mentoring program	Housestaff advisees	Cathleen Magill 2004-2007 Sneha Jacob 2005-2008 Sabrina Chaklos 2006-present Jennifer Cheng 2007-present Ashleigh Hicks 2008
Colleges Advisory Program	Medical students	20 students per academic year, 2005-present

Educational Program Building/Leadership

Colleges Advisory Program, core faculty Sabin College
2005-present

- Committee to develop a medical student advising curriculum

- Faculty Leader Sabin College Community Service committee
- Faculty advisor-White Coat Statement
- Faculty co-director of the Colleges Advisory Program, Case Conference Series (quarterly meeting to present and discuss challenging student advising cases)

CLINICAL ACTIVITIES

Certification:

2001-present Medical Licensure, State of Maryland, D57644
 2000 American Board of Internal Medicine

Service Responsibilities:

General Internal Medicine, Johns Hopkins Bayview Medical Clinic (Outpatient clinic ½ day per week)
 Inpatient Attending, Johns Hopkins Bayview Medical Center, 2 weeks per year

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments:

2002-present Medical Housestaff Selection Committee, Johns Hopkins Bayview Medical Center
 2001-2004 General Internal Medicine Fellowship Selection committee,
 2006-present Osler Center for Clinical Excellence, Member Faculty Advisory Board
 2005-present Colleges Advisory Program, School of Medicine
 2008 Work-life Advisory Committee, Department of Medicine,
 2002-2004, 2008 Women’s Task Force, Department of Medicine
 Chair “work-life balance” subcommittee

Editorial activities

Invited journal reviewer Journal of the American Medical Association
 Journal of General Internal Medicine
 Pediatrics
 Medical Education
 Academic Medicine
 Teaching and Learning in Medicine

Professional Society Memberships

1999-present Society of General Internal Medicine

Conference organizer/session chair

2005 Medical Education Abstract Review Committee SGIM national meeting, New Orleans, LA
 2005 Medical Education Abstract Session moderator, SGIM national meeting, New Orleans, LA
 2006 Medical Education Abstract Review Committee SGIM national meeting, Los Angeles, CA
 2007 Personal Professional Development Workshop Review Committee SGIM national meeting,
 Toronto, Canada
 2007 Medical Education Abstract Review Committee SGIM national meeting, Toronto, Canada
 2007 AAMC Learning Communities in Medicine Annual National Meeting, Meeting co-organizer and
 co-chair research abstract committee
 2008 Personal Professional Development Workshop Review Committee national meeting,
 Pittsburgh, PA
 2008 Medical Education Abstract Review Committee SGIM national meeting, Pittsburgh, PA
 2009 Medical Education Abstract Review Committee and abstract session moderator, SGIM national
 meeting, Miami, FL
 2004-2009 SGIM Part-time careers interest group, coordinating faculty, national meetings

RECOGNITION

Awards:

1990	Faculty Scholar (Top 10% in Faculty of Arts) McGill University
1992	Honors in Political Science, McGill University
1994	MRC Summer Research Bursary, McGill University Faculty of Medicine
1995	Osler Medical Aid Foundation Travel Scholarship, McGill University Faculty of Medicine
2000	Winner Clinical Vignettes Competition, American College of Physicians-American Society of Internal Medicine, National Associates Competition. Oral presentation April 2000, Philadelphia, PA.
2006	Osler Center for Clinical Excellence at Johns Hopkins- Intramural grant to study student satisfaction with the impact of the Johns Hopkins School of Medicine Colleges Advisory Program.
2007-2010	Mary O'Flaherty Horn Scholar in General Internal Medicine, Society of General Internal Medicine

Invited Talks

December 2006	“Promoting the Personal Growth of Medical Learners” Educational Grand Rounds, Inova Hospital, Fairfax, VA
November 2007	“The Balancing Act: Work, Life and Careers in Academic Medicine” Medical Grand Rounds, Johns Hopkins Bayview Medical Center

OTHER PROFESSIONAL ACCOMPLISHMENTS

Community involvement and volunteer work

Setting/ Dates	Role	
2001-present	Volunteer physician	Joseph Richey Hospice, Baltimore, MD, 1 day per month
2000	Volunteer physician	Bangalore Baptist Hospital, Bangalore, India, 6 weeks