

**Harvard Medical School
Curriculum Vitae**

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Education

2001	BA	Biology and Economics	Swarthmore College
2007	MD	Medicine	Duke University

Postdoctoral Training

06/2007- 06/2010	Resident	Medicine	Beth Israel Deaconess Medical Center
07/2011- 06/2015	Clinical and Research Fellow	Endocrinology (Stephanie B. Seminara; William F. Crowley)	Massachusetts General Hospital Harvard Medical School

Appointments at Hospitals/Affiliated Institutions

10/2010- 6/2011	Hospitalist	Medicine	Emerson Hospital
7/2015- 07/2015	Assistant in Instructor	Medicine Medicine	Massachusetts General Hospital Harvard Medical School

Other Professional Positions

1998	National Science Foundation Research Intern	Wellesley College
2000	Howard Hughes Medical Institute Research Intern	Swarthmore College
2001-2002	Contracts Analyst	Wyeth-Ayerst Pharmaceuticals
2003	Research Assistant	Partners HealthCare System
2005-2006	National Institutes of Health Clinical Research Training Program	National Institutes of Health
1999-2001	Writing Associate for Biology and Economics	Swarthmore College

Major Administrative Leadership Roles

2014-	Coordinator Eliot B. Shoolman Visiting Professor Series	Massachusetts General Hospital, Reproductive Endocrine Unit
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Professional Societies

2011-	Endocrine Society	member
2012-	European Society of Endocrinology	member
2012 - 2014-	Women in Endocrinology	member
2015-	American Society for Human Genetics	member, communications committee

Other Editorial Roles

2008-2010	Endocrine Section Editor	Beth Israel Deaconess Medical Center Medicine Wiki
2011, 2015	Ad Hoc Reviewer	American Journal of Cardiology

Honors and Prizes

2000	Election into Sigma Xi Research Society	Swarthmore College Chapter of Sigma Xi Research Society	Undergraduate Research in Cellular Biology
2001	Election into Phi Beta Kappa	Swarthmore College Chapter of Phi Beta Kappa	Academic Excellence
2001	Leo M. Leva Memorial Prize for Biology	Swarthmore College	
2003	Partners in Excellence Award	Partners HealthCare System	Time- Motion Study analyzing impact of introducing an electronic medical record into the medical clinic
2006	Kenneth Lyles Award for Outstanding Poster Presentation	Duke University	Effect of Exercise on Endothelial Progenitor Cells
2006	OB/GYN Chairman's Scholars Award	Duke University	Excellence in Clinical Training in OB/GYN
2009	Best Inpatient Clinical Vignette New England Regional Meeting	Society of General Internal Medicine	
2013	Endocrine Society Travel Grant Award	Endocrine Society	

Report of Funded and Unfunded Projects

Funding Information

Past

2013-2014	Influence of Sex Steroids on Kisspeptin Physiology Massachusetts General Hospital Executive Committee on Research Fund for Medical Discovery (FMD) Postdoctoral Fellowship Award for Clinical Research PI Salary support to investigate if sex steroids improve kisspeptin responsiveness in individuals with GnRH deficiency.
2013-2014	Influence of Sex Steroids on Kisspeptin Physiology Endocrine Fellows Foundation PI Assay support to investigate if sex steroids improve kisspeptin responsiveness in individuals with GnRH deficiency.
2014	Kisspeptin: A Critical Link Between Metabolism and Reproduction? 2014 Harvard Catalyst Clinical Research Center Investigator Batch Sample Analysis and Assay Validation Grant PI Assay support to investigate the role kisspeptin plays in pituitary hormone secretion aside from FSH, LH and its role in insulin secretion. Kisspeptin Physiology across Reproductive Development
2014-2015	

1F32HD078083-01A1

Investigate how sexual maturation transforms the gonadotropin-releasing hormone (GnRH) neuronal response to kisspeptin in the human male using reversal of GnRH deficiency as a model.

2015 Functional Characterization of Genetic Variation in GnRH Neurons
NIH Center Grant: New Project Development
Use CRISPR/Cas-9 to modify *in vitro* mouse GnRH neurons and characterize their behavior and function as a way to validate novel genes in isolated GnRH deficiency uncovered by whole exome sequencing.

Current -

Current Unfunded Projects

2014- Kisspeptin Assay
Under the guidance of Dr. Seminara examining how kisspeptin levels modify pregnancy outcomes.

Report of Local Teaching and Training

Teaching of Students in Courses

1998	Cellular Biology Undergraduate Students	Swarthmore College One semester 6-8 h per week
1999	Microeconomics Undergraduate Students	Swarthmore College One semester 4 h per week
2000	Introduction to Economics Undergraduate Students	Swarthmore College One semester 4 h per week
2011	Polycystic Ovarian Case Conference Medical Students	Massachusetts General Hospital 4 h

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2010	Lightheaded : A Case Review of Syncope Residents/ Professor Rounds	Beth Israel Deaconess Medical Center One hour lecture
2010	Anti-Obesity Drugs/ Journal Club Residents	Beth Israel Deaconess Medical Center One hour lecture
2010	If you value weight loss, do you lose weight?/ Senior Talk Residents/Faculty	Beth Israel Deaconess Medical Center One hour lecture
2014-	Reproductive Endocrinology Clinical Conference Series	4, one hour lectures per year
2015-	Pediatric Endocrine Fellows	2, one hour lectures per year
2015	Pre-Clinical Conference: Outpatient Endocrine Testing	30 minutes, Expert Consultant

Clinical Supervisory and Training Responsibilities

2007-2008	Supervision of Medical Students	15% effort
2008-2010	Supervision of Team of Interns	50% effort
2011-2012	Supervision of Residents on Rotation in Endocrinology	15% effort

Formal Teaching of Peers (e.g., CME and other continuing education courses)

2011	Speaking with Patients about Death Continuing Medical Education Series	One talk Emerson Hospital Concord
2011	Morbidity and Mortality Continuing Medical Education Series	One talk Emerson Hospital Concord

"No presentations below were sponsored by outside entities"

Local Invited Presentations

2011 Blame it on the Corticosteroids: A Closer Look at Central Adrenal Insufficiency/ Grand Rounds

- 2012 Department of Medicine, Division of Endocrinology, Massachusetts General Hospital
Hungry, Hungry Bones? Anti-Resorptive Therapy for Bone Metastases/ Grand Rounds
- 2014 Department of Medicine, Division of Endocrinology, Massachusetts General Hospital
Genetics of GnRH Deficiency and Kisspeptin Physiology/ Grand Rounds
- 2015 Department of Medicine, Division of Endocrinology, Massachusetts General Hospital
High Inhibin B and Undetectable Anti-Mullerian Hormone: An Unusual Case of Autoimmune
Primary Ovarian Insufficiency ?/ Grand Rounds
- Department of Medicine, Division of Endocrinology, Massachusetts General Hospital

"No presentations below were sponsored by outside entities"

National Invited Presentations

- 2015 Influence of Sex Steroids on Kisspeptin Physiology.
Endocrine Fellows Foundation Research Meeting
San Antonio, Texas (selected presenter)

"Those presentations sponsored by outside entities are so noted and the sponsors are identified."

Report of Clinical Activities and Innovations

Current Licensure and Certification

- 2010- Massachusetts Medical License
2010- ABIM Certification – Internal Medicine
2013- ABIM Certification – Endocrinology, Diabetes and Metabolism

Practice Activities

2010-2011	Hospitalist	Emerson Hospital Concord, MA	50-80 hours per week inpatient care
2011-2012	Endocrinology Consults Inpatient and Outpatient	Massachusetts General Hospital Boston MA	50 hours per week inpatient and outpatient care
2012-	Ambulatory Care, Reproductive Endocrine Unit	Massachusetts General Hospital Boston MA	3 hours per week

Report of Education of Patients and Service to the Community

Activities

- 2003-2007 **Duke American Medical Women's Association/ American Medical Women's Association**
Panel and Service Chair for 2006-2007. Educate the Duke Community about women in medicine through panel discussions about women physician's careers.

Report of Scholarship

Publications

Peer reviewed publications in print or other media

1. Kittler AF, Carlson GL, Harris C, **Lippincott M**, Pizziferri L, Volk LA, Jagannath Y, Wald JS, Bates DW. Primary care physician attitudes towards using a secure web-based portal designed to facilitate electronic communication with patients. *Inform Prim Care*. 2004;12(3):129-38. PubMed PMID: 15606985
2. Kittler AF, Wald JS, Volk LA, Pizziferri L, Jagannath Y, Harris C, **Lippincott M**, Yu T, Hobbs J, Bates DW. The role of primary care non-physician clinic staff in e-mail communication with patients. *Int J Med Inform*. 2004 May;73(4):333-40. PubMed PMID: 1513575
3. Pizziferri L, Kittler AF, Volk LA, Honour MM, Gupta S, Wang S, Wang T, **Lippincott M**, Li Q, Bates DW. Primary care physician time utilization before and after implementation of an electronic health record: a time-motion study. *J Biomed Inform*. 2005 Jun;38(3):176-88. Epub 2004 Dec 14. PubMed PMID: 15896691
4. Staroselsky M, Volk LA, Tsurikova R, Pizziferri L, **Lippincott M**, Wald J, Bates DW. Improving electronic health record (EHR) accuracy and increasing compliance with health maintenance clinical

- guidelines through patient access and input. *Int J Med Inform.* 2006 Oct-Nov;75(10-11):693-700. Epub 2005 Dec 9. PubMed PMID: 16338169
5. Lo HG, Newmark LP, Yoon C, Volk LA, Carlson VL, Kittler AF, **Lippincott M**, Wang T, Bates DW. Electronic health records in specialty care: a time-motion study. *J Am Med Inform Assoc.* 2007 Sep-Oct;14(5):609-15. Epub 2007 Jun 28. PubMed PMID:17600102; PubMed Central PMCID: PMC1975804
 6. Staroselsky M, Volk LA, Tsurikova R, Newmark LP, **Lippincott M**, Litvak I, Kittler A, Wang T, Wald J, Bates DW. An effort to improve electronic health record medication list accuracy between visits: patients' and physicians' response. *Int J Med Inform.* 2008 Mar;77(3):153-60. Epub 2007 Apr 16. PubMed PMID: 17434337
 7. **Lippincott MF**, Carlow A, Desai A, Blum A, Rodrigo M, Patibandla S, Zalos G, Smith K, Schenke WH, Csako G, Waclawiw MA, Cannon RO 3rd. Relation of endothelial function to cardiovascular risk in women with sedentary occupations and without known cardiovascular disease. *Am J Cardiol.* 2008 Aug 1;102(3):348-52. Epub 2008 May 22. PubMed PMID: 18638600; PubMed Central PMCID: PMC2505352
 8. **Lippincott MF**, Desai A, Zalos G, Carlow A, De Jesus J, Blum A, Smith K, Rodrigo M, Patibandla S, Chaudhry H, Glaser AP, Schenke WH, Csako G, Waclawiw MA, Cannon RO 3rd. Predictors of endothelial function in employees with sedentary occupations in a worksite exercise program. *Am J Cardiol.* 2008 Oct 1;102(7):820-4. Epub 2008 Jul 2. PubMed PMID: 18805104; PubMed Central PMCID: PMC2562002
 9. Desai A, Glaser A, Liu D, Raghavachari N, Blum A, Zalos G, **Lippincott M**, McCoy JP, Munson PJ, Solomon MA, Danner RL, Cannon RO 3rd. Microarray-based characterization of a colony assay used to investigate endothelial progenitor cells and relevance to endothelial function in humans. *Arterioscler Thromb Vasc Biol.* 2009 Jan;29(1):121-7. PubMed PMID: 19092138; PubMed Central PMCID: PMC2664554
 10. Nishihama R, Schreiter JH, Onishi M, Vallen EA, Hanna J, Moravcevic K, **Lippincott MF**, Han H, Lemmon MA, Pringle JR, Bi E. Role of *Inn1* and its interactions with *Hof1* and *Cyk3* in promoting cleavage furrow and septum formation in *S. cerevisiae*. *J Cell Biol.* 2009 Jun 15;185(6):995-1012. PubMed PMID: 19528296; PubMed Central PMCID: PMC2711614.
 11. Sidhoum V, Chan YM, **Lippincott MF**, Balasubramanian R, Quinton R, Plummer L, Dwyer A, Pitteloud N, Hayes F, Hall JE, Martin KA, Boepple PA, Seminara SB. Reversal and Relapse of Hypogonadotropic Hypogonadism: Resilience and Fragility of the Reproductive Neuroendocrine System. *J Clin Endocrinol Metab.* 2014 Mar;99(3):861-70. PMID:24423288
 12. Chan YM*, **Lippincott MF***, Butler J, Sidhoum V, Li C, Plummer L, Seminara SB Exogenous Kisspeptin Administration as a Probe of GnRH Neuronal Function in Patients with Idiopathic Hypogonadotropic Hypogonadism. *J Clin Endocrinol Metab.* 2014 Sep 16 [Epub ahead of print]. PMID: 25226293.

Non-peer reviewed scientific or medical publications/materials in print or other media

1. **Lippincott M***, True C*, Seminara SB. Utilizing Genetic Models of Idiopathic Hypogonadotropic Hypogonadism in Mice and Men to Understand Mechanism of Disease. *Exp Physiol.* 2013 Nov;98(11):1522-7. PMID: 23955308.

Thesis

1. **Lippincott MF**. Effect of Regular Exercise on Vascular Function and Cardiovascular Risk in a Sedentary Work Force: The NHLBI "Keep the Beat" Program [thesis]. Durham (NC): Duke University School of Medicine; 2006. 50p. Available from: Duke University School of Medicine, Durham, NC
2. **Lippincott MF**. Isolation and Characterization of Cytokinesis Mutants in *Saccharomyces cerevisiae* [thesis]. Swarthmore (PA): Swarthmore College; 2001. 40p. Available from: Swarthmore College Biology Department, Swarthmore, PA.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. **Lippincott MF**, Carlow A, Rodrigo ME, Zalos G, and RO Cannon. (2006). Endothelial Progenitor Cells, Endothelial Function and Cardiovascular Risk in Women. Abstract for poster presentation. Alpha Omega Alpha Research Symposium, Duke University School of Medicine, Durham, NC.
2. **Lippincott MF**, Carlow A, Rodrigo ME, Zalos G, and RO Cannon. (2006). Women Differ from Men in the Contribution of Vascular Progenitor Cells to Endothelial Function and Cardiovascular Risk. Abstract for poster presentation. American Heart Association Scientific Sessions, Chicago, IL.
3. **Lippincott MF**. (2008). The Jaundiced College Freshman: Epstein Barr Virus and Its Complications. Abstract for oral presentation. Society of General Internal Medicine 31st Annual Meeting, Pittsburgh, PA.
4. **Lippincott MF** and Weinstein A. (2009) Doc My Sugar is Low: Non-Insulinoma Pancreatogenous Hypoglycemia in a Healthy Young Adult. Abstract for oral presentation. Society of General Internal Medicine New England Regional Meeting, Boston, MA .
5. **Lippincott MF**, Chan Y-M, Sidhoum VF and SB Seminara. (2013). Continuously Administered Kisspeptin as a Pseudo-antagonist of the Kisspeptin Receptor. Endocrine Society Annual Meeting 2013, San Francisco, CA.
6. Alam S, True C, **Lippincott MF**, Chan YM, and SB Seminara. (2013). Delayed sexual maturation in mice lacking neurokinin B mirrors the phenotype of human patients with mutations in the neurokinin B pathway. Endocrine Society Annual Meeting 2013, San Francisco, CA.
7. **Lippincott MF**, Chan Y-M, and SB Seminara. (2014) Responses to Continuous Kisspeptin-10 Infusions: Influences of Sex and Sex Steroids. Endocrine Society Annual Meeting 2014, Chicago, IL.
8. **Lippincott MF**, Tran DX, Clarke NJ, McPhaul MJ, Cantonwine DE, Reitz RE, McElrath T, and SB Seminara. (2015) Proteomic Analysis of Kisspeptin During Pregnancy. Accepted for oral presentation Endocrine Society Annual Meeting 2015, San Diego, CA.
9. Saffarini CM, True C, Plummer LC, **Lippincott MF** and SB Seminara. (2015) POLR3B Mutations in Subjects with Isolated Normosmic Hypogonadotropic Hypogonadism. Accepted for poster presentation Endocrine Society Annual Meeting 2015, San Diego, CA.
10. **Lippincott MF**, Guo MH, Plummer L, Hirshhorn JN, WF Crowley, Jr. (2015) Rare Variant Gene-Based Case-Control Burden Testing in a Mendelian Disease Framework Using Publically Available Control Data. Accepted for poster presentation American Society for Human Genetics 2015, Baltimore, MD.