

## CURRICULUM VITAE

### MEGHAN ELIZABETH FREDETTE

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#### EDUCATION

9/2003-5/2007 **Boston College**  
Bachelor of Science in Biology/Minor in Hispanic Studies, 2007  
*Summa cum laude, Phi Beta Kappa, Alpha Sigma Nu Honor Society*

8/2009-5/2013 **University of Connecticut School of Medicine**  
Doctor of Medicine, 2013  
*Dean's Award for Overall Academic Achievement*

#### POSTGRADUATE TRAINING

6/2013-6/2016 Internship and Residency in Pediatrics, Categorical Track  
Boston Combined Residency Program  
Boston Children's Hospital/Boston Medical Center, Boston MA

7/2016-6/2019 Fellowship in Pediatric Endocrinology  
Rhode Island Hospital/Hasbro Children's Hospital, Providence RI

#### HONORS AND AWARDS

May 2013 New England Pediatric Society Award

May 2018 Pediatric Endocrine Society Travel Grant, Recipient

May 2018 Pediatric Endocrine Society Spring Retreat, Selected Participant

June 2018, July 2019 Letter of Recognition in BIOL 3654 IMS III: Endocrine Sciences  
Brown Office of Medical Education  
*Recognizes teaching effort and dedication to the highest standards of teaching in the pre-clerkship curriculum.*

March 2019 Endocrine Society T1D Fellows Conference, Selected Participant

## PROFESSIONAL LICENSES AND BOARD CERTIFICATION

April 2016-Present	RI Medical License (Full license, #MD15403)
June 2019-Present	MA Medical License (Full license, #280888)
October 2016	American Board of Pediatrics, General Pediatrics Certification
December 2019	American Board of Pediatrics, Pediatric Endocrinology Certification

## ACADEMIC APPOINTMENTS

6/2013-6/2016	Teaching Fellow in Pediatrics, Boston University School of Medicine
6/2013-6/2016	Clinical Fellow in Pediatrics, Harvard Medical School
7/2016-6/2019	Teaching Fellow in Pediatrics, Alpert School of Medicine/Brown University
8/2019- Present	Assistant Professor in Pediatrics, Alpert School of Medicine/Brown University

## HOSPITAL APPOINTMENTS

6/2013-6/2014	Intern in Medicine, Boston Children's Hospital
6/2013-6/2014	Intern in Pediatrics, Boston Medical Center
7/2014-6/2016	Resident in Medicine, Boston Children's Hospital
7/2014-6/2016	Resident in Pediatrics, Boston Medical Center
7/2016-6/2019	Fellow in Pediatric Endocrinology, RIH/Hasbro Children's Hospital
8/2019- Present	Attending Physician, Pediatric Endocrinology, RIH/Hasbro Children's Hospital
8/2019- Present	Attending Physician, Pediatric Endocrinology, Women and Infant's Hospital

## HOSPITAL COMMITTEES:

8/2019-Present	Clinical Competence Committee, Pediatric Endocrinology Fellowship Program, Hasbro Children's Hospital
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## OTHER APPOINTMENTS

6/2018 – 11/2018	NEJM+ Knowledge, Author
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## MEMBERSHIP IN SOCIETIES:

2013	American Academy of Pediatrics
2016	Pediatric Endocrine Society
2017	Endocrine Society

## PUBLICATIONS LIST:

### ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Lightdale JR, Mahoney LB, **Fredette ME**, Valim C, Wong S, DiNardo JA. Nurse reports of adverse events during sedation procedures at a pediatric hospital. *J Perianesth Nurs*. 2009;24(5):300-306.
2. Bong CL, Lightdale JR, **Fredette ME**, Weinstock P. Effects of simulation versus traditional tutorial-based training on physiologic stress levels among clinicians: a pilot study. *Simul Healthc*. 2010;5(5):272-278.
3. Lightdale JR, Newburg AR, Mahoney LB, **Fredette ME**, Fishman LN. Fellow perceptions of training using computer-based endoscopy simulators. *Gastrointest Endosc*. 2010;72(1):13-18.
4. Heard LA, **Fredette ME**, Atmadja ML, Weinstock P, Lightdale JR. Perceptions of simulation-based training in crisis resource management in the endoscopy unit. *Gastroenterol Nurs*. 2011;34(1):42-48.

5. Lightdale JR, Mitchell PD, **Fredette ME**, et al. A Pilot Study of Ketamine versus Midazolam/Fentanyl Sedation in Children Undergoing GI Endoscopy. *Int J Pediatr*. 2011;2011:623710.
6. Shrier LA, Rhoads AM, **Fredette ME**, Burke PJ. "Counselor in Your Pocket": Youth and Provider Perspectives on a Mobile Motivational Intervention for Marijuana Use. *Subst Use Misuse*. 2014;49(1-2):134-144.
7. Agrawal S, Kremsdorf R, Uysal S, **Fredette ME**, Topor LS. Nephrolithiasis: A complication of pediatric diabetic ketoacidosis. *Pediatr Diabetes*. 2018;19(2):329-332.
8. **Fredette ME**, Topor LS. Emesis and Oral Hyperpigmentation in a 17-Year Old Girl. *Pediatrics in Review*. 2018; 39(8): 421-423.
9. **Fredette ME**, Topor LS. Graves' Thyrotoxicosis Leading to Adrenal Decompensation and Hyperandrogenemia in a Pediatric Patient with Salt-Wasting Congenital Adrenal Hyperplasia. *Case Rep Endocrinol*. 2018; Nov 22: 1-3.
10. **Fredette ME**, Cusmano K, Phornphutkul C, Schwab J, Caldamone A, Topor LS. Early-onset Gonadoblastoma in a 13-month-old with 46, XY Complete Gonadal Dysgenesis Identified with Prenatal Testing: A Case of Chromosome 9p Deletion. *ACE Clinical Case Reports*. 2019; 5(6): e380-e383.
11. **Fredette ME**, Lombardi K, Duker A, Buck C, Phornphutkul C, Bober M, Quintos, JB. Novel XRCC4 Mutations in an Infant with Microcephalic Primordial Dwarfism, Dilated Cardiomyopathy, Subclinical Hypothyroidism, and Early Death: Expanding the Phenotype of XRCC4 Mutations. *ACE Clinical Case Reports*. 2020; 6(1): e1-4.

#### **BOOKS AND BOOK CHAPTERS**

1. **Fredette ME**, Lightdale JR. Endoscopic sedation in pediatric practice. *Gastrointest Endosc Clin N Am*. 2008;18(4):739-751, ix.

#### **OTHER NON-PEER REVIEWED PUBLICATIONS**

1. **Fredette, ME**. Do as I say not as I do: Why parents need to put away their phones around the kids. Thriving: Boston Children's Hospital Pediatric Health Blog. Boston Children's Hospital, 19 June 2014 (Web).
2. **Fredette, ME**. Teach kids about healthy holiday eating. Herald News, 19 December 2019 (Web).

#### **ABSTRACTS:**

1. Lightdale, J., **Fredette, M.**, Rufo, P., Fox, V., Saltzman, J., Poneris, J. (2008, May). Construct Validity of the Symbionix GI Mentor II Endoscopy Simulator for GI Fellow Trainees in Colonoscopy. Poster presented at: Digestive Disease Week; San Diego, CA.
2. Lightdale, J., **Fredette, M.**, Mitchell, P., Reilly, E., Mahoney, L., Zgleszewski, S., Fox, V. (2008, May). Ketamine Versus Midazolam/Fentanyl Sedation for Pediatric Endoscopy: Comparison of Patient Movement, Need for Restraint and Vocalization of Distress. Oral Presentation presented at: Digestive Disease Week; San Diego, CA.
3. Bong, C., Lightdale, J., **Fredette, M.**, Weinstock, P. (2009, April). Effects of Simulation vs. Traditional Tutorial-based Training on Physiologic Stress Levels: A Pilot Study. Oral Presentation presented at: Second International Pediatric Simulation Symposium; Florence, Italy.
4. **Fredette, M.**, Heard, L., Lightdale, J. (2009, June). Simulation-Based Training Is Preferable to Case-Based Interactive Education for Teaching Pediatric Endoscopy Providers to Manage Procedural Complications. Poster presented at: Digestive Disease Week; Chicago, IL.
5. Lightdale, J., Jiang, H., **Fredette, M.**, Atmadja, M., Heard, L., Weinstock, P. (2010, May). A Randomized Controlled Trial of Simulation-Based Training vs. Discussion-Based Education Sessions for Improving

Communication and Teamwork in the Endoscopy Unit. Poster presented at: Digestive Disease Week; New Orleans, LA.

6. Lightdale, J., **Fredette, M.**, Atmadja, M., Heard, L., Jiang, H. (2010, May). Pilot Study of the Smart Capnography Integrated Pulmonary Index™ in a Pediatric Gastroenterology Procedure Unit. Poster presented at: Society of Gastroenterology Nurse and Associates Annual Course; Orlando, FL.

7. Rhoads, A., Burke, P., **Fredette, M.**, Shrier, L. (2012, March). We're all Here and We're all Doing it: Social and Emotional Contexts of Frequent Marijuana Use in Adolescents and Young Adults. Poster presented at: Society for Adolescent Health and Medicine Annual Meeting; New Orleans, LA.

8. Shrier, L., Rhoads, A., Burke, P., **Fredette M.** (2012, April). Connecting in the MOMENT: Mobile Device as “Virtual Sponsor” in the Treatment of Heavy Marijuana Use in Youth. Oral Presentation presented at: Joint Meeting for Adolescent Treatment Effectiveness; Washington, DC.

9. Appel, E., Armstrong, A., Cranford, J., Eipper-Mains, J., **Fredette, M.**, Mould, T., Romegialli, A. (2012, June). Education, Awareness, and an EMR Reminder Improve Pneumovax Vaccination Rates. Poster presented at: 8th Annual Deans’ Symposium on Patient Safety and Continuous Quality Improvement; Farmington, CT.

10. **Fredette, M.**, Topor L. (2017, April). Graves’ Thyrotoxicosis Leading to Recurrent Adrenal Crises in a Pediatric Patient with Salt-Wasting Congenital Adrenal Hyperplasia. Poster presented at: Endocrine Society; Orlando, FL.

11. **Fredette, M.**, Quintos, J., Lombardi, K., Duker, A., Phornphutkul, C., Bober, M (2018, May). Novel *XRCC4* Mutations in an Infant with Microcephalic Primordial Dwarfism, Dilated Cardiomyopathy, and Subclinical Hypothyroidism: Expanding the Phenotype of *XRCC4* Mutations. Poster presented at: Pediatric Endocrine Society; Toronto, Ontario CA.

12. **Fredette, M.**, Phornphutkul, C., Topor, L. (2018, May). Congenital Disorder of Glycosylation Type 1b (CDG-1b): A Rare Cause of Hyperinsulinemic Hypoglycemia. Poster presented at: Pediatric Endocrine Society; Toronto, CA.

13. **Fredette, M.**, Topor, L. (2019, March). Transient PTH Resistance and Vitamin D Deficiency in a Newborn with Hypocalcemic Seizure and Bacteremia. Poster presented at: Endocrine Society; New Orleans, LA.

14. Vakharia, J., **Fredette, M.**, Topor, L. (2019, March). Prominent Parietal Lobe Brain Injury in a Neonate with Seizure Due to Hyperinsulinemic Hypoglycemia. Poster presented at: Endocrine Society; New Orleans, LA.

#### **SUBMITTED/ IN PRESS:**

1. **Fredette ME.** Chapter 15: Irregular Menses. Endocrine Conditions in Pediatrics, Submitted Chapter to Publisher in December 2019.

#### **INVITED PRESENTATIONS**

1. **Fredette, M.**, Hodax, J. (2016, November). *The Optic Nerve Hypoplasia Spectrum*. Oral Presentation at: Endocrinology Grand Rounds, Brown University/Rhode Island Hospital Divisions of Adult and Pediatric Endocrinology; Providence, RI.

2. **Fredette, M.**, Hodax, J. (2017, March). *Type 2 Diabetes in Kids: Are They the Same as Adults?* Oral Presentation at: Endocrinology Grand Rounds, Brown University/Rhode Island Hospital Divisions of Adult and Pediatric Endocrinology; Providence, RI.

3. **Fredette, M.**, Quintos, J. (2017, June). *Neonatal Hyperinsulinemic Hypoglycemia*. Oral Presentation at: Clinical Pathology Case Perinatal Management Conference, Women and Infant’s Hospital, Division of Neonatal-Perinatal Medicine; Providence, RI

4. **Fredette, M.**, Lhamu, U. (2017, December). *Primary Ovarian Insufficiency*. Oral Presentation at: Endocrinology Grand Rounds, Brown University/Rhode Island Hospital Divisions of Adult and Pediatric Endocrinology; Providence, RI.
5. **Fredette, M.**, Lhamu, U. (2018, April). *Long-Term Sequelae of Pediatric Craniopharyngioma*. Oral Presentation at: Endocrinology Grand Rounds, Brown University/Rhode Island Hospital Divisions of Adult and Pediatric Endocrinology; Providence, RI.
6. **Fredette, M.** (2018, May). *Adrenal Disorders*. Oral Presentation at: Brown Pediatrics Residency Noon Conference; Providence, RI.
7. **Fredette, M.** (2018, May). *Relapsing 6q24-related Transient Neonatal Diabetes in a 15-year old female: A Common Presentation of a Rare Disorder*. Oral Presentation at: Pediatric Endocrine Society Spring Fellows Retreat; Alton, Ontario CA.
8. **Fredette, M.**, Quintos J, Phornphutkul C. (2018, August). *Microcephalic Primordial Dwarfism: XRCC4 Mutations*. Oral Presentation at: Clinical Pathology Case Perinatal Management Conference, Women and Infant's Hospital, Division of Neonatal-Perinatal Medicine; Providence, RI.
9. **Fredette, M.** (2018, November). *Atypical Presentations of Severe Hypothyroidism*. Oral Presentation at: Endocrinology Grand Rounds, Brown University/Rhode Island Hospital Divisions of Adult and Pediatric Endocrinology, Providence, RI.
10. **Fredette, M.** (2019, May). *Adrenal Disorders*. Oral Presentation at: Brown Pediatrics Residency Noon Conference; Providence, RI.
11. **Fredette, M.** (2019, October). *Thyroid Disorders*. Oral Presentation at Brown Pediatrics Noon Conference; Providence, RI.

## **GRANTS**

Summer 2010  
 APS/SPR Student Research Program  
 Division of Adolescent Medicine, Boston Children's Hospital  
 Mentor: Lydia Shrier, MD MPH  
 Funding: American Pediatric Society/Society for Pediatric Research  
 Investigated new interventions to reduce marijuana use in adolescents.

## **UNIVERSITY TEACHING ROLES**

5/2010-5/2011  
 Hartford Health Education  
 University of Connecticut School of Medicine, Farmington CT  
*Developed educational materials for health education course for 6<sup>th</sup>-8<sup>th</sup> grade students in Hartford public schools.*

2/2012-5/2013  
 UCONN Anti-Bullying Class  
 University of Connecticut School of Medicine, Farmington CT  
*Developed anti-bullying curriculum for presentation to elementary and middle school students in CT schools.*

8/2012-5/2013  
 Principles of Clinical Medicine II  
 University of Connecticut School of Medicine, Farmington CT  
*Facilitated a weekly 2<sup>nd</sup> year clinical medicine course for 8 students.*

5/2014-6/2016	Humanism and Professionalism Boston Combined Residency Program, Boston MA <i>Developed curriculum guides and cases for monthly seminars for residents.</i>
11/2017, 11/2018, 11/2019	BIOL 3654 IMSIII: Endocrine Sciences Warren Alpert School of Medicine at Brown University, Providence, RI <i>Facilitated 10 students over 5 weekly small group sessions.</i>
9/18/2018, 10/7/2019	PLME Senior Seminar: Diabetes Mellitus Brown University, Providence RI <i>Lectured to 40 undergraduate students on the topic of diabetes mellitus.</i>
9/27/2018	Third year pediatric clerkship: Short stature Hasbro Children's Hospital, Providence RI <i>Lectured to group of 10 3<sup>rd</sup> year medical students on short stature.</i>
11/1/2018, 10/31/2019	BIOL3654 IMS III: Endocrine Sciences: Adrenal Disorders II Warren Alpert School of Medicine at Brown University, Providence, RI <i>Lectured to approximately 80 2<sup>nd</sup> year medical students on adrenal disorders.</i>
10/2019-Present	Doctoring I Warren Alpert School of Medicine at Brown University, Providence, RI <i>Mentored first year medical student on clinical skills for 14 sessions per year.</i>