

Curriculum Vitae

Date Prepared: 6/13/2025
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Place of Birth: Newark, NJ, USA



Education:

07/2013	MD	Medicine	University of Crete, School of Medicine
06/2023	Postdoctoral Certificate Program	Applied Biostatistics	Harvard Catalyst
11/2024	PhD	Neuroscience	University of Crete, School of Medicine

Postdoctoral Training:

07/2013-12/2014	Postdoctoral Research Fellow	Infectious Disease (PI: George Samonis)	University of Crete, School of Medicine
01/2015-06/2018	Postdoctoral Research Fellow	Neuroendocrinology (PI: Ursula B. Kaiser)	Brigham and Women's Hospital/Harvard Medical School
06/2018-06/2021	Resident	Internal Medicine (PD: David J. Lobo)	Bridgeport Hospital/Yale New Haven Health
07/2021-06/2024	Clinical Fellow	Endocrinology (PD: Ole-Petter Hamnvik)	Brigham and Women's Hospital/Harvard Medical School
07/2021-06/2024	Research Fellow	Neuroendocrinology (PI: Victor Navarro)	Brigham and Women's Hospital/Harvard Medical School

Faculty Academic Appointments:

8/2024-Present	Instructor	Medicine	Harvard Medical School
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Appointments at Hospitals/Affiliated Institutions:

8/2024-Present	Associate Physician	Endocrinology	Brigham and Women's Hospital
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Major Administrative Leadership Positions:

Local

05/2008-05/2010	Member of Student council	University of Crete, School of Medicine
09/2018-06/2021	Residents' Representative	Bridgeport Hospital/Yale New Haven Health
04/2025-Present	Alumni Ambassador in the US	University of Crete, School of Medicine

Regional

National

International

Committee Service:

Local

2023-2024	URim Recruitment Committee	Brigham and Women's Hospital Member
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Regional

2020-Present	Advisory Committee	Alumni Association of the Student Exchange Program (AASEP)
	09/2020-Present	Member

National

2024-Present	TEMEC Clinical Trial "Improving Cancer-related Fatigue, Sexual Dysfunction and Quality of Life in Older Men with Cancer and Androgen Deficiency"	Brigham and Women's Hospital
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6/2024-Present

Unblinded physician

International

2024-2025 Awards' Committee
12/2024-5/2025

Women in Endocrinology
Member

Professional Societies:

2016-Present	Endocrine Society	Member
2017-Present	The Pituitary Society	Member
2017-Present	American Medical Association	Member
2018-Present	American College of Physician	Fellow
2021-Present	Massachusetts Medical Society	Member
2021-Present	New England Endocrine Alliance	Member
2022-Present	American Association of Clinical Endocrinology	Member
2023-Present	British Society for Neuroendocrinology	Member
2023-Present	Pan American Neuroendocrine Society	Member

Editorial Activities:

- **Ad hoc Reviewer**

Journal of Clinical & Translational Endocrinology

Endocrinology

Frontiers in Endocrinology

Case Reports in Endocrinology

AACE Clinical Case Reports

Honors and Prizes:

01/2013	Scholarship for clinical elective	University of Crete, School of Medicine	Selected for the BU-UOC medical student exchange program based on medical
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			school transcript
07/2013	Summa Cum Laude	University of Crete, School of Medicine	Third of Class 2013 (85 students)
03/2017	Travel Grant	The Pituitary Society (15 th International Pituitary Congress)	Abstract presented as (oral) Hot Topic
06/2017-06/2018	Ruth L. Kirschstein National Research Service Award (T32)	National Institutes of Health	
03/2018	Travel Award	Endocrine Society (ENDO 2018)	Early Career Forum
03/2018	Presidential Poster Competition Winner	Endocrine Society (ENDO 2018)	Winning presentation in the Neuroendocrinology and Pituitary Category
03/2019	Travel Award	Endocrine Society (ENDO 2019)	Outstanding abstract award
06/2020	Leadership and dedication Award	Yale New Haven Health – Bridgeport Hospital	To GME representative
06/2021	“Michael Smith” Award	Yale New Haven Health – Bridgeport Hospital	For the senior resident who exemplified outstanding dedication, courtesy, professionalism and compassion toward all patients and colleagues and an overall excellence in ambulatory medicine
06/2021	“Pasquale Perillie” Award	Yale New Haven Health – Bridgeport Hospital	For the senior resident who displayed outstanding leadership and scholarship
05/2022	“Robert G. Dluhy” Award	Brigham and Women’s Hospital	Fund for fellowship enrichment
06/2022-06/2024	Ruth L. Kirschstein National Research Service Award (T32)	National Institute of Health	
10/2022	Outstanding abstract award	New England Endocrine Alliance (14 th NEEA Annual Meeting)	Abstract selected as podium presentation
10/2022	Outstanding abstract award	New England Endocrine Alliance (14 th NEEA Annual Meeting)	Abstract selected as poster presentation

06/2023	Travel Award	Endocrine Society (ENDO 2023)	Early Career Forum
06/2023	Young Investigator Award	Women in Endocrinology (ENDO 2023)	
12/2024	FACP (Fellow)	American College of Physicians	A peer-reviewed and peer-supported credential that is a public reflection of excellence within the internal medicine profession
4/2025	Case Toolin McAuliffe Memorial IGNITE Award	BWH Connors Center for Women's Health	For the proposal "Deciphering the Mechanisms Underlying the Higher Female Prevalence of Cushing's Metabolic and Reproductive Complications"

Report of Funded and Unfunded Projects

Current

2025-2026	<p>Deciphering the mechanisms underlying the higher female prevalence of Cushing's metabolic and reproductive complications</p> <p>BWH Connors Center for Women's Health, IGNITE Award, GR1001404 PI</p> <p>I propose that epigenetic modifications induced by chronic glucocorticoid exposure play a crucial role in the development and persistence of obesity and infertility in a sex-dependent manner. The IGNITE Award will enable me to decode the sex-specific transcriptomic and epigenetic modifications occurring within the glucocorticoid receptor-dependent gene regulatory network after chronic glucocorticoid exposure. This study aims to identify unique biomarkers in genetically susceptible individuals that could predict which patients will develop these debilitating comorbidities and potentially explain the female-predominant prevalence. Our findings could transform the therapeutic approach to Cushing's syndrome by enabling personalized interventions based on sex-specific epigenetic profiles.</p>
2025	<p>A Study of RM-718 Weekly Formulation in Healthy Subjects with Obesity and in Patients with Hypothalamic Obesity (HO)</p> <p>Rhythm Pharmaceuticals, Inc., RM-718-001</p> <p>Co-investigator</p> <p>Phase 1, clinical trial. To evaluate the safety, tolerability and pharmacokinetics of single ascending doses of RM-718 and multiple ascending doses of RM-718 in healthy subjects with obesity and in patients with hypothalamic obesity</p>

Projects Submitted for Funding

Resubmission	<p>The role of AgRP neurons in the metabolic and reproductive complications of Cushing's Syndrome</p> <p>NIH K08</p>
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PI

This proposal aims to explore whether glucocorticoids act directly on AgRP neurons to mediate the metabolic and reproductive effects. First, I will elucidate the role of AgRP neurons in these glucocorticoid-induced effects. Using a chemo genetic approach, I will determine if inhibition of AgRP neurons can prevent or ameliorate the reproductive and metabolic impairments. Then, I will generate a mouse model with conditional deletion of glucocorticoid receptor (GR) in AgRP neurons to explore their resistance to developing Cushing's phenotype under chronic glucocorticoid treatment. In AgRP-cre mice treated with glucocorticoids I will selectively delete GR in AgRP neurons (via CRISPR approach) after developing the Cushingoid phenotype to restore fertility and reverse obesity.

Report of Local Teaching and Training

Teaching of Students in Courses:

2009-2010	Neuroanatomy	University of Crete, School of Medicine
	1 st year medical students	2-hr sessions biweekly for 4 months
		This position was offered to second year medical students with the highest performance in Neuroanatomy courses (top 5%). My duties included preparation of presentations and study guides.
2021-Present	ICM Diabetes Special Rounds	Harvard Medical School
	1 st year medical students	2-hr sessions (3 per year)
2024	ICM Endocrinology	Harvard Medical School
	2 nd year students in Harvard-MIT Health Sciences and Technology Program (HST)	2-h session

Clinical Supervisory and Training Responsibilities:

2018-2021	Supervision of medical students (Average of 1-2 students at time)	Bridgeport Hospital/Yale New Haven Health
2021-2024	Supervision of medical students (Average of 1-2 students at time)	Brigham and Women's Hospital
2024-Present	Attending physician for house staff endocrinology service	Brigham and Women's Hospital 2 weeks per year

Research Supervisory and Training Responsibilities:

2016-2018	Supervision of medical students (Average of 1 student at time)	Brigham and Women's Hospital Teaching medical students basic laboratory techniques, such as cell culture, PCR, western blot, statistical analysis
2022-Present	Supervision of Master students	Brigham and Women's Hospital Teaching medical students basic in vivo and in vitro techniques

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

☒ No presentations below were sponsored by 3rd parties/outside entities

☐ Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.

2016	Hypoglycemia Harvard Medical School CME	Single presentation Brigham and Women's Hospital
2017-2018	The Role of $G\alpha_s$ and $G\alpha_{q/11}$ Proteins in the GnRH Pulse Frequency-dependent Regulation of FSHβ Expression Harvard Medical School CME	2 presentations Brigham and Women's Hospital
2018	Insulinoma in a patient on dialysis? Harvard Medical School CME	Single presentation Beth Israel and Deaconess Medical Center
2020	A woman with acromegaly Harvard Medical School CME	Single presentation Brigham and Women's Hospital
2021-2024	Case Presentations by Fellows Harvard Medical School CME	Once a week Brigham and Women's Hospital
2022	Corticotroph Pituitary Adenomas: "Diagnostic and therapeutic dilemmas across the spectrum of the disease" Harvard Medical School CME	Grand Rounds Presentation Brigham and Women's Hospital / Boston Children's Hospital
2023	Deletion of $G\alpha_{q/11}$ or $G\alpha_s$ Proteins in Gonadotropes Differentially Affects Gonadotropin Production and Secretion in vivo and in vitro Harvard Medical School CME	Single presentation Brigham and Women's Hospital

2025	Neuroendocrine cases for the boards	Brigham and Women's Hospital
	The Brigham Board Review and Comprehensive Update in Endocrinology "Virtual Studio/Distance Learning" Course	
2025	Selective Ablation of KNDy Elements in Adult Kiss1 Neurons: Implications for the Pulse Generator Model	Single presentation
	Harvard Medical School CME	Brigham and Women's Hospital

Report of Regional, National and International Invited Teaching and Presentations

☒ *No presentations below were sponsored by 3rd parties/outside entities*

☐ *Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.*

Regional

2022 Severe Cushing's Syndrome due to an ACTH- producing pheochromocytoma (selected abstract)

NEEA 14th Annual Meeting

Boston, MA

National

2023 ASBMR Clinical Case Workshop on Treatment of Adult XLH, webinar

International

2017 GnRH pulse frequency-dependent regulation of *Fshb* expression is mediated by both $G\alpha_s$ and $G\alpha_{q/11}$ proteins (selected abstract)
15th International Pituitary Conference

Orlando, FL

2019 Sodium-Glucose Co-Transporter-2 Inhibitors and the Risk of Diabetic Ketoacidosis: Clinical and Biochemical Characteristics of 21 Cases (selected abstract)
Endocrine Society Annual Meeting

New Orleans, LA

Report of Clinical Activities and Innovations

Past and Current Licensure and Board Certification:

2021-2024	CT medical license
2021	Certification, American Board of Internal Medicine (Internal Medicine)
2023-Present	MA medical license
2023	Certification, American Board of Internal Medicine (Endocrinology)

Practice Activities:

2021-2024	Moonlight Hospitalist	Bridgeport Hospital	1 weekend per month
2024-Present	Inpatient Teaching Service	Brigham and Women's Hospital	2 weeks per year
2024-Present	Associate Physician	Brigham and Women's Hospital	4 clinic sessions per week

Report of Education of Patients and Service to the Community

☒ *No presentations below were sponsored by 3rd parties/outside entities*

☐ *Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.*

Activities

2011-2013	Physicians of the Aegean Sea / Medical Student Volunteer
	Physicians of different specialties and student volunteers would go to remote Greek islands and examine the local population.
2012	University of Crete, School of Medicine / Medical Student Volunteer
	Crete has a large number of sporadically distributed villages that are far from medical facilities, making access to healthcare problematic for the population. A team from the medical school, including myself, would visit these areas and evaluate children for structural heart diseases.
2013-2014	Proteas Soccer Team / First Aid Care Provider
	Volunteered as the soccer team physician during the local summer tournaments
2014	High School of Ialysos / Speaker
	Presented as an invited speaker on the issues surrounding using illegal substances in sports

Report of Scholarship

Peer-Reviewed Scholarship in print or other media:

Research Investigations

1. Kalliora C*, Mamoulakis C*, Vasilopoulos E, **Stamatiades GA**, Kalafati L, Barouni R, Karakousi T, Abdollahi M, Tsatsakis A. Association of pesticide exposure with human congenital abnormalities. *Toxicol Appl Pharmacol*. 2018 May 1;346:58-75. doi: 10.1016/j.taap.2018.03.025
2. **Stamatiades GA**, Ioannou P, Petrikos G, Tsioutis C, Fungal infections in patients with inflammatory bowel disease: A systematic review. *Mycoses*. 2018 Jun;61(6):366-376. doi: 10.1111/myc.12753
3. Durojaiye AB, Clarke JR, **Stamatiades GA**, Wang C, Repurposing Cefuroxime for Treatment of COVID-19: A Scoping Review of In-silico Studies. *Journal of Biomolecular Structure and Dynamics* 2020, DOI: 10.1080/07391102.2020.1777904
4. **Stamatiades GA***, Toufaily C*, Kim HK, Zhou X, Thompson IR, Carroll RS, Boehm U, Bernard DJ*, Kaiser UB*, Deletion of Gαq/11 or Gαs proteins in gonadotropes differentially affects gonadotropin production and secretion in mice. *Endocrinology* 2022 Feb 1;163(2):bqab247. doi: 10.1210/endo/bqab247
5. **Stamatiades GA**, D'Silva P, Elahee M, Viana GM, Sideri-Gugger A, Majumdar SK. Diabetic Ketoacidosis Associated with Sodium-Glucose Cotransporter 2 Inhibitors: Clinical and Biochemical Characteristics of 29 Cases. *Int J Endocrinol*. 2023 Jul 4;2023:6615624. doi: 10.1155/2023/6615624
6. Paes T, Mebarak JB, Magnotto JC, **Stamatiades GA**, Kuang Y, Paweletz C, Laws ER, Carroll RS, Jeselsohn R, Mohan DR, Lerario AM, Truong MT, Bi WL, Reardon DA, Meredith DM, Kaiser UB, Abreu AP. Somatic Activating ESR1 Mutation in an Aggressive Prolactinoma. *J Clin Endocrinol Metab*. 2024 Sep 6:dgae615. doi: 10.1210/clinem/dgae615. Epub ahead of print. PMID: 39238355.

Other peer-reviewed scholarship

1. **Stamatiades GA**, Kaiser UB, Gonadotropin Regulation by Pulsatile GnRH: Signaling and Gene Expression. *Mol Cell Endocrinol*. 2018 Mar 5;463:131-141. doi: 10.1016/j.mce.2017.10.015
2. **Stamatiades GA**, Echouffo-Tcheugui JB, Garber JR, Sulfasalazine-induced hypoglycemia in a patient with Crohn's disease and end stage renal disease. *AACE Clinical Case Reports*: November/December 2018, Vol. 4, No. 6, pp. e493-e496. Doi: 10.4158/ACCR-2018-0067
3. **Stamatiades GA**, Carroll RS, Kaiser UB, GnRH-A Key Regulator of FSH. *Endocrinology* 2019 Jan 1;160(1):57-67. doi: 10.1210/en.2018-00889.
4. Kasbawala K, **Stamatiades GA**, Majumdar SK, Fournier's Gangrene and Diabetic Ketoacidosis Associated with Sodium Glucose Co-Transporter 2 (SGLT2) Inhibitors: Life-Threatening Complications. *Am J Case Rep*. 2020 Jun 2;21:e921536. doi: 10.12659/AJCR.921536.

5. **Stamatiades GA**, Galbiati F, Conway-Fitzgerald A, McDonnell ME, Lassey SC, Palermo NE, Diabetes Mellitus Type 1 presenting in the setting of diabetic ketoacidosis and acute SARS-CoV-2 infection in pregnancy. AACE Clinical Case Reports 2023, doi:10.1016/j.aace.2023.04.006
6. Galbiati F, **Stamatiades GA**, Bi WL, Abreu AP. Hypothalamic and Pituitary Dysfunction After Extensive Brain Surgery: There Is Thirst for More Knowledge. JCEM Case Rep. 2023 Nov 16;1(6):luad137. doi: 10.1210/jcemcr/luad137. PMID: 38021079

Non-peer reviewed scholarship in print or other media:

Reviews, chapters, and editorials

1. **Stamatiades GA** and Kaiser UB. Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy, Fifth Edition - Chapter 31, Pharmacology of the Hypothalamus and Pituitary Gland, 2023
2. **Stamatiades GA** and Kaiser UB, 100 Pituitary Tumors: A Comprehensive Guide to Management – Chapter, Endocrine complications after pituitary adenoma surgery (in process)

Proceedings of meeting or other non-peer reviewed scholarship

1. Kofteridis D, Andrianaki A, Maraki S, Christidou A, **Stamatiades GA**, Samonis G, Echinocandin resistant Candida parapsilosis bioprosthetic valve endocarditis successfully treated with combined medical and surgical treatment: P090. Mycoses 2015
2. Thompson IR, **Stamatiades GA**, Zhang R, Carroll RS, Kaiser UB, Members of Nr4a Nuclear Orphan Receptor Family Are Immediate Early Genes Regulated Differentially by Varying GnRH Pulse Frequencies, Endocrine Reviews Volume 37, Issue 2 Supplement, April 2016.
3. **Stamatiades GA**, Thompson IR, Carroll RS, Kaiser UB, GnRH Pulse Frequency-Dependent Regulation of FSH β Expression Is Mediated By Both G α_s and G $\alpha_{q/11}$ Proteins, Endocrine Reviews Volume 38, Issue 3 Supplement, June 2017
4. **Stamatiades GA***, Toufaily C*, Kim HK, Carroll RS, Boehm U, Weinstein LS, Offermanns S, Bernard DJ, Kaiser UB, The roles of G $\alpha_{q/11}$ and G α_s proteins in Fshb expression in vivo and in vitro, Endocrine Reviews Volume 39, Issue 2 Supplement, April 2018.
5. Elahee M, Viana GM, **Stamatiades GA**, Sideri-Gugger A, Majumdar SK, SUN-429 Pituitary Sarcoidosis: A Rare Cause of Secondary Amenorrhea, Journal of the Endocrine Society, Volume 3, Issue Supplement_1, April-May 2019, SUN-429.
6. Viana GM, **Stamatiades GA**, Elahee M, Vilarinho S, Majumdar SK, SAT-088 A Novel Mutation in the Leptin Receptor Associated with Hypertriglyceridemia, Lipodystrophy and Non-alcoholic Fatty Liver, Journal of the Endocrine Society, Volume 3, Issue Supplement_1, April-May 2019, SAT-088.
7. Sideri-Gugger A*, **Stamatiades GA***, Viana GM, Elahee M, Majumdar SK, SUN-178 A Not So “Sweet” DKA: A Case of Euglycemic Diabetic Ketoacidosis Caused by Dapagliflozin/Liraglutide Combination, Journal of the Endocrine Society, Volume 3, Issue Supplement_1, April-May 2019, SUN-178.

8. **Stamatiades GA**, Viana GM, Elahee M, Majumdar SK, OR31-1 Sodium-Glucose Co-Transporter-2 Inhibitors and the Risk of Diabetic Ketoacidosis: Clinical and Biochemical Characteristics of 21 Cases, Journal of the Endocrine Society, Volume 3, Issue Supplement_1, April-May 2019, OR31-1.
9. Sideri-Gugger A, Viana GM, **Stamatiades GA**, Majumdar SK, SAT-515 Anorexia and Severe Hypothyroidism Driving Persistent Ascites and Liver Injury, Journal of the Endocrine Society, Volume 4, Issue Supplement_1, April-May 2020, SAT-515.
10. **Stamatiades GA**, Kasbawala K, Sideri-Gugger A, Elahee M, Majumdar SK, SUN-700 Fournier's Gangrene and Diabetic Ketoacidosis Caused by Canagliflozin, Journal of the Endocrine Society, Volume 4, Issue Supplement_1, April-May 2020, SUN-700.
11. Sideri-Gugger A, **Stamatiades GA**, Viana GM, Majumdar SK, MON-246 A Diagnostic Dilemma of Primary Versus Secondary Thyroid and Adrenal Hormone Insufficiencies: A Unique Case of Widely Metastatic Renal Cell Carcinoma After Brain Radiation, Journal of the Endocrine Society, Volume 4, Issue Supplement_1, April-May 2020, MON-246.
12. **Stamatiades GA**, Bikas A, Shah HJ, Wong K, Vaidya A, Nehs M, Basaria SS, FRI200 Severe Cushing Syndrome Due To An ACTH-producing Pheochromocytoma, Journal of the Endocrine Society, Volume 7, Issue Supplement_1, October-November 2023, bvad114.195.
13. **Stamatiades GA**, Kim HK, Carroll RS, Kaiser UB, FRI286 Stimulation Of Egr1 Expression Is Mediated By A $G\alpha q/11$ -signaling Pathway In A Pattern Distinct From That Of MEK/ERK At High And Low GnRH Pulse Frequencies, Journal of the Endocrine Society, Volume 7, Issue Supplement_1, October-November 2023, bvad114.1221.
14. Boris NP, Pereira SA, **Stamatiades GA**, Hausken KN, Kim HK, Carroll RS, Kaiser UB, SAT608 Gonadotrope-specific Deletion Of Icer Results In Increased Lh Pulsatility But Reduced Fsh Levels In Mice, Journal of the Endocrine Society, Volume 7, Issue Supplement_1, October-November 2023, bvad114.1341.
15. Paes T, Mebarak JB, Magnotto JC, **Stamatiades GA**, Kuang Y, Paweletz C, Laws ER, Carroll RS, Jeselsohn R, Mohan DR, Lerario AM, Bi WL, Reardon DA, Meredith DM, Kaiser UB, Abreu AP, 7826 The Identification of an Activating ESR1 Mutation in an Aggressive Prolactinoma Enabled the Use of Personalized Treatment, Journal of the Endocrine Society, Volume 8, Issue Supplement_1, October-November 2024, bvae163.1349.
16. Meireles CG, Boris NP, Hausken KN, Pereira S, **Stamatiades GA**, Kim HK, Carroll RS, Kaiser UB, 8001 Effects of Gonadotrope-Specific Knockout of the Transcription Factors, *Icer* and *Creb*, on HPG Axis Function in Female Mice, Journal of the Endocrine Society, Volume 8, Issue Supplement_1, October-November 2024, bvae163.1198.

PhD Thesis:

Identification of the signal transduction pathways activated by pulsatile GnRH to optimally stimulate FSH β at low GnRH pulse frequencies and at low GnRHR levels.

Abstracts, Poster Presentations, and Exhibits Presented at Professional Meetings:

1. Kofteridis D, Maraki S, Valachis A, Andrianaki A, Alexopoulou C, Katechakis N, **Stamatiades GA**, Maragkou S, Plataki M, Xeroydaki M, Vasiniotis-Kamarinos N, Samonis G, Colistin-Tigecycline Antimicrobial Combination for the

Treatment of Ventilator Associated Pneumonia: A Retrospective Cohort Study. Poster presented at: 54th Interscience Conference on Antimicrobial Agents and Chemotherapy; Washington, DC, USA (September 2014).

2. Kofteridis D, Andrianaki A, Maraki S, Christidou A, **Stamatiades GA**, Samonis G, Echinocandin resistant *Candida parapsilosis* bioprosthetic valve endocarditis successfully treated with combined medical and surgical treatment. Poster presented at: 7th Trends in Medical Mycology; Lisbon, PRT (October 2015).
3. Thompson IR, **Stamatiades GA**, Zhang R, Carroll RS, Kaiser UB, Members of Nr4a Nuclear Orphan Receptor Family Are Immediate Early Genes Regulated Differentially by Varying GnRH Pulse Frequencies. Poster presented at: Endocrine Society Annual Meeting; Boston, MA, USA (April 2016).
4. **Stamatiades GA**, Thompson IR, Carroll RS, Kaiser UB, GnRH pulse frequency-dependent regulation of *Fshb* expression is mediated by both $G\alpha_s$ and $G\alpha_{q/11}$ proteins. Poster presented at: Endocrine Society Annual Meeting; Orlando, FL, USA (April 2017).
5. **Stamatiades GA***, Toufaily C*, Kim HK, Carroll RS, Boehm U, Weinstein LS, Offermanns S, Bernard DJ, Kaiser UB, The roles of $G\alpha_{q/11}$ and $G\alpha_s$ proteins in *Fshb* expression in vivo and in vitro. Poster presented at: Endocrine Society Annual Meeting; Chicago, IL, USA (March 2018) (winning presentation).
6. Elahee M, Talat A, Viana GM, **Stamatiades GA**, Shah M, A rare case of extrapulmonary *Coccidioidomycosis*. Poster presented at: ACP 2018 Connecticut Chapter Meeting (October 2018).
7. **Stamatiades GA**, McFarland MS, O'Connor JV, Roy T, Ayala JP, A DKA that is not so "sweet": A case of euglycemic diabetic ketoacidosis caused by dapagliflozin. Poster presented at: ACP 2018 Connecticut Chapter Meeting (October 2018).
8. Elahee M, Viana GM, **Stamatiades GA**, Sideri-Gugger A, Majumdar SK, Pituitary Sarcoidosis: A Rare Cause of Secondary Amenorrhea. Poster presented at: Endocrine Society Annual Meeting; New Orleans, LA, USA (March 2019).
9. Viana GM, **Stamatiades GA**, Elahee M, Vilarinho S, Majumdar SK, A Novel Mutation in the Leptin Receptor Associated with Hypertriglyceridemia, Lipodystrophy and Non-alcoholic Fatty Liver. Poster presented at: Endocrine Society Annual Meeting; New Orleans, LA, USA (March 2019).
10. Sideri-Gugger A*, **Stamatiades GA***, Viana GM, Elahee M, Majumdar SK, A Not So "Sweet" DKA: A Case of Euglycemic Diabetic Ketoacidosis Caused by Dapagliflozin/Liraglutide Combination. Poster presented at: Endocrine Society Annual Meeting; New Orleans, LA, USA (March 2019).
11. **Stamatiades GA**, Viana GM, Elahee M, Majumdar SK, Sodium-Glucose Co-Transporter-2 Inhibitors and the Risk of Diabetic Ketoacidosis: Clinical and Biochemical Characteristics of 21 Cases. Oral presentation at: Endocrine Society Annual Meeting; New Orleans, LA, USA (March 2019). (outstanding abstract award)
12. **Stamatiades GA**, Galbiati F, Conwey Fitzgerald A, Lassey SC, Palermo NE, Diabetic Ketoacidosis in a Pregnant Woman with COVID-19. Poster presented at: NEEA 14th annual meeting; Boston, MA, USA (October 2022). (travel award)
13. **Stamatiades GA**, Bikas A, Nehs MA, Basaria SS, Severe Cushing's Syndrome due to an ACTH- producing pheochromocytoma. Oral presentation at: NEEA 14th annual meeting; Boston, MA, USA (October 2022). (travel award)
14. **Stamatiades GA**, Bikas A, Shah HJ, Wong KS, Nehs MA, Basaria SS, Severe Cushing Syndrome Due to an ACTH- Producing Pheochromocytoma. Poster presented at: Endocrine Society Annual Meeting; Chicago, IL, USA (June 2023)

15. **Stamatiades GA**, Kim HK, Carroll RS, Kaiser UB, Stimulation of *Egr1* Expression is Mediated by a $G\alpha_{q/11}$ -signaling Pathway in a Pattern Distinct from that of MEK/ERK at High and Low GnRH Pulse Frequencies. Poster presented at: Endocrine Society Annual Meeting; Chicago, IL, USA (June 2023)
16. Boris NP, Pereira S, **Stamatiades GA**, Hausken KN, Kim HK, Carroll RS, Kaiser UB, Gonadotrope-Specific Deletion of *Icer* in Mice Results in Increased LH Pulsatility but Reduced FSH Levels. Poster presented at: Endocrine Society Annual Meeting; Chicago, IL, USA (June 2023)
17. Meireles CG, Boris NP, Hausken KN, Pereira S, **Stamatiades GA**, Kim HK, Carroll RS, Kaiser UB, Impact of Gonadotrope-Specific Deletion of *Icer* on the HPG Axis in Male and Female Mice. Poster presented at: Pan American Neuroendocrine Society; Santos, Brazil (March 2024)
18. Meireles CG, Boris NP, Hausken KN, Pereira S, **Stamatiades GA**, Kim HK, Carroll RS, Kaiser UB, Effects of Gonadotrope-Specific Knockout of the Transcription Factors, *Icer* and *Creb*, on HPG Axis Function in Female Mice. Poster presented at: Endocrine Society Annual Meeting; Boston, MA, USA (June 2024)
19. Paes T, Mebarak JB, Magnotto JC, **Stamatiades GA**, Kuang Y, Paweletz C, Laws ER, Carroll RS, Jeselsohn R, Mohan DR, Lerario AM, Truong MT, Bi WL, Reardon DA, Meredith DM, Kaiser UB, Abreu AP, Activating Somatic ESR1 Mutation in an Aggressive Prolactinoma. Poster presented at: European Congress of Endocrinology; Stockholm, Sweden (May 2024). (late breaking abstract)
20. Paes T, Mebarak JB, Magnotto JC, **Stamatiades GA**, Kuang Y, Paweletz C, Laws ER, Carroll RS, Jeselsohn R, Mohan DR, Lerario AM, Bi WL, Reardon DA, Meredith DM, Kaiser UB, Abreu AP, The Identification of an Activating ESR1 Mutation in an Aggressive Prolactinoma Enabled the Use of Personalized Treatment. Oral presentation at: Endocrine Society Annual Meeting; Boston, MA, USA (June 2024)
21. **Stamatiades GA**, Torres Jimenez E, Lopez I, Navarro VM, Selective Ablation of KNDY Elements in Adult Kiss1 Neurons: Implications for the Pulse Generator Model. Poster Presented at: Endocrine Society Annual Meeting; San Francisco, CA, USA (July 2025). (late breaking abstract)
22. Meireles CG, Boris NP, Hausken KN, Garza V, Pereira S, **Stamatiades GA**, Kim HK, Carroll RS, Kaiser UB, Impact of Pituitary Gonadotrope-Specific Deletion of the Transcription Factor, *Creb* and *Icer*, on HPG Axis Function in Male Mice. Oral presentation at: Endocrine Society Annual Meeting; San Francisco, CA, USA (July 2025)

Narrative Report

Contributions to Science

1. **Gonadotrope “decoding” of GnRH pulse frequency.** My graduate and postdoctoral research at Dr Kaiser’s lab, focused on the mechanisms underlying GnRH pulse frequency-dependent differential regulation of gonadotropin gene expression and thereby Luteinizing Hormone (LH) and Follicle-stimulating hormone (FSH) synthesis and secretion. The precise timing of production of LH and FSH is essential in regulating gonadal steroidogenesis and gametogenesis. Results from my research provided better understanding of the transduction pathways and transcriptional networks activated by pulsatile GnRH at varying GnRH pulse frequencies in vivo and in vitro. More specifically we showed that GnRH may signal principally via $G\alpha_{q/11}$ to stimulate gonadotropin production, but that $G\alpha_s$ plays important roles in gonadotrope function in vivo when GnRH secretion is enhanced. These results also advanced our knowledge about the nature of GnRH pulse frequency decoder. The identification of these regulatory pathways will provide insight relevant to the treatment of clinical conditions in which dysfunction of this receptor and of GnRH pulse frequency control has

been implicated, including polycystic ovarian syndrome (PCOS), hypothalamic amenorrhea, disorders of pubertal maturation, and infertility, and may also help to develop improved therapies for infertility. Currently a manuscript describing the roles of $G\alpha_s$ and $G\alpha_{q/11}$ proteins in GnRH pulse frequency-dependent control of *Fshb* is in preparation.

I planned and executed the experiments in the papers below and analyzed the data for publication and wrote the manuscript with my research team.

- a. **Stamatiades GA**, Kaiser UB, Gonadotropin Regulation by Pulsatile GnRH: Signaling and Gene Expression. *Mol Cell Endocrinol*. 2018 Mar 5;463:131-141. doi: 10.1016/j.mce.2017.10.015
 - b. **Stamatiades GA**, Carroll RS, Kaiser UB, GnRH-A Key Regulator of FSH. *Endocrinology* 2019 Jan 1;160(1):57-67. doi: 10.1210/en.2018-00889.
 - c. **Stamatiades GA***, Toufaily C*, Kim HK, Zhou X, Thompson IR, Carroll RS, Boehm U, Bernard DJ*, Kaiser UB*, Deletion of $G\alpha_{q/11}$ or $G\alpha_s$ proteins in gonadotropes differentially affects gonadotropin production and secretion in mice. *Endocrinology* 2022 Feb 1;163(2):bqab247. doi: 10.1210/endocr/bqab247
 - d. **Stamatiades GA**, Kim HK, Carroll RS, Kaiser UB. FRI286 Stimulation Of *Egr1* Expression Is Mediated By A $G\alpha_{q/11}$ -signaling Pathway In A Pattern Distinct From That Of MEK/ERK At High And Low GnRH Pulse Frequencies. *J Endocr Soc*. 2023 Oct 5;7(Suppl 1):bvad114.1221. doi: 10.1210/jendso/bvad114.1221. PMCID: PMC10554177.
2. **Characterization of the neuronal mechanisms that govern kisspeptin release.** During the research phase of my endocrinology fellowship training (75% of my time was devoted to research), I was supported on the NIH T32 Training Program (2022-2024). I worked under the mentorship of Dr. Victor Navarro. My project focused on the characterization of the role of the tachykinin family of peptides (substance P, neurokinin A and neurokinin B) and dynorphin in the control of kisspeptin release and subsequently in the control of gonadotropin secretion and ovulation. Completion of this project will lead to better understanding of the neural circuits that control reproductive function. Currently a manuscript deciphering the role of tachykinins in gonadotropin regulation is in preparation and planned to be submitted within the upcoming months.
3. **Pituitary tumorigenesis.** During my endocrinology fellowship, I collaborated with Dr. Abreu on a project to characterize the genetic profile of prolactinomas. Our objective was to identify somatic genetic alterations associated with prolactinomas. Molecular profiling allowed the identification of an activating *ESR1* mutation (*ESR1Y537S*) in an aggressive prolactinoma which was not detected early in the course of the disease and was likely conferring tumor aggressiveness. This finding emphasized the significance of estrogen receptor signaling in prolactinomas. It also allowed the use of targeted therapy with successful control of disease progression.
- a. Paes T, Buelvas Mebarak J, Magnotto JC, **Stamatiades GA**, Kuang Y, Paweletz C, Laws ER, Grosek N, Carroll RS, Jeselsohn R, Mohan DR, Lerario AM, Truong MT, Bi WL, Reardon DA, Meredith DM, Kaiser UB, Abreu AP. Somatic Activating *ESR1* Mutation in an Aggressive Prolactinoma. *J Clin Endocrinol Metab*. 2024 Sep 6:dgae615. doi: 10.1210/clinem/dgae615. Epub ahead of print. PMID: 39238355.
4. **Side effects of Sodium-Glucose Co-Transporter-2 inhibitors (SGLT2i).** As an internal medicine resident, my research focused on the newest anti-hyperglycemic medications, SGLT2i and their side effects. Numerous reports suggested an association between SGLT2i and diabetic ketoacidosis (DKA), but the medical literature was sparse. Since the use of these drugs for diabetes has increased dramatically due to favorable cardiac and renal outcomes, identification of patients at greatest risk for this life-threatening complication is essential. The aim of my project was to present all the reported cases of DKA associated with SGLT2 inhibitors use at Yale New Haven Health/Bridgeport Hospital, describe the clinical and biochemical characteristics of them and identify potential risk factors. The most common presenting symptoms were nausea, vomiting, and abdominal pain, while poor food intake and infection were the main precipitants. Interestingly, nearly half of the cases met the criteria of euglycemic DKA. These results provided us with better understanding of patients' presentation and possible risk factors. Previously many cases could be missed leading to misdiagnosis and prolonged hospital stay.

I designed the study, collected and analyzed the data for publication and wrote the manuscript with my research team.

- a. **Stamatiades GA**, D'Silva P, Elahee M, Viana GM, Sideri-Gugger A, Majumdar SK. Diabetic Ketoacidosis Associated with Sodium-Glucose Cotransporter 2 Inhibitors: Clinical and Biochemical Characteristics of 29 Cases. *Int J Endocrinol.* 2023 Jul 4;2023:6615624. doi: 10.1155/2023/6615624. PMID: 37441367; PMCID: PMC10335870.
 - b. Kasbawala K, **Stamatiades GA**, Majumdar SK. Fournier's Gangrene and Diabetic Ketoacidosis Associated with Sodium Glucose Co-Transporter 2 (SGLT2) Inhibitors: Life-Threatening Complications. *Am J Case Rep.* 2020 Jun 2;21:e921536. doi: 10.12659/AJCR.921536. PMID: 32483108; PMCID: PMC7295315.
5. **Case Reports/Presentations.** During residency I published a case report (first author) of a rare cause of hypoglycemia as a side effect of sulfasalazine use on a patient with end stage renal disease. During fellowship I published a case report of a new diagnosis of type 1 diabetes in pregnant patient that presented with diabetic ketoacidosis after SARS-CoV-2 infection. I also collaborated in a rare case of concurrent craniopharyngioma and intraventricular glioma. This case exemplified the complexity of the endocrine care of patients with craniopharyngiomas and highlighted the need for step-wise algorithms in the treatment of hypothalamic deficiencies. In keeping with my interest in the complications of Cushing's syndrome, I also presented at the endocrine society meeting a rare case of severe Cushing's syndrome due to an ACTH secreting pheochromocytoma and a manuscript is currently in preparation.

I directly participated in the case of these patients and wrote the manuscript with my colleagues.

- a. **Stamatiades GA**, Echouffo-Tcheugui JB, Garber JR. Sulfasalazine-induced hypoglycemia in a patient with type 2 diabetes and end-stage renal disease. *AACE Clin. Case Rep.* 4(6), e493–e496 (2018).
- b. **Stamatiades GA**, Galbiati F, Fitzgerald AC, McDonnell ME, Lassey SC, Palermo NE. Diabetes Mellitus Type 1 Presenting in the Setting of Diabetic Ketoacidosis and Acute SARS-CoV-2 Infection in Pregnancy. *AACE Clin Case Rep.* 2023 Apr 14;9(4):108–11. doi: 10.1016/j.aace.2023.04.006. Epub ahead of print. PMID: 37363439; PMCID: PMC10102535.
- c. Galbiati F, **Stamatiades GA**, Bi WL, Abreu AP. Hypothalamic and Pituitary Dysfunction After Extensive Brain Surgery: There Is Thirst for More Knowledge. *JCEM Case Rep.* 2023 Nov 16;1(6):luad137. doi: 10.1210/jcemcr/luad137. PMID: 38021079; PMCID: PMC10652246.
- d. **Stamatiades GA**, Bikas A, Shah HJ, Wong K, Vaidya A, Nehs M, Basaria SS. FRI200 Severe Cushing Syndrome Due To An ACTH-producing Pheochromocytoma. *J Endocr Soc.* 2023 Oct 5;7(Suppl 1):bvad114.195. doi: 10.1210/jendso/bvad114.195. PMCID: PMC10553382.