

# ALEXANDER J. O'DONOVAN, MD, MEd

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## TRAINING & EDUCATION

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| <b>Yale New Haven Hospital</b> , New Haven, CT                                 |                 |
| Chief Residency, Pediatrics                                                    | 6/2025 – 6/2026 |
| Residency, Pediatrics                                                          | 6/2023 – 6/2025 |
| Internship, Pediatrics                                                         | 6/2022 – 6/2023 |
| <b>The Pennsylvania State University College of Education</b> , Harrisburg, PA |                 |
| <b>MEd in Lifelong Learning and Adult Education</b>                            | 5/2021 – 5/2022 |
| <b>The Pennsylvania State University College of Medicine</b> , Hershey, PA     |                 |
| <b>Doctor of Medicine (MD)</b>                                                 | 7/2018 – 5/2022 |
| <b>La Universidad Autónoma de Madrid</b> , Madrid, Spain                       |                 |
| Semester-long study abroad program                                             | 1/2014 – 5/2014 |
| <b>Boston University College of Engineering</b> , Boston, MA                   |                 |
| <b>BS in Biomedical Engineering</b> , Cum Laude                                | 8/2012 – 5/2016 |

## WORK EXPERIENCE

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| <b>Chief Resident</b> , Yale New Haven Health Children's Hospital, New Haven, CT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6/2025 – 6/2026 |
| <b>Resident Physician, Pediatrics</b> , Yale New Haven Health Children's Hospital, New Haven, CT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6/2022 – 6/2025 |
| <b>Product Development Engineer for iLet® Bionic Pancreas</b> , Beta Bionics, Boston, MA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5/2016 – 7/2018 |
| <ul style="list-style-type: none"><li>Contributed to the design and development of the iLet® Bionic Pancreas, an investigational artificial pancreas system for diabetes management</li><li>Developed and validated standardized test methods to ensure device performance and regulatory compliance</li><li>Supported Phase III clinical trials, including employee training, scheduling, and oversight of trial monitoring personnel</li><li>Managed the company's social media presence, creating original content and graphics to communicate clinical progress and company updates</li></ul> |                 |
| <b>Security</b> , Loretta's Last Call, Boston, MA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7/2016 – 1/2017 |
| <ul style="list-style-type: none"><li>Maintained safety and security in high-pressure, fast-paced environments through effective crowd control and conflict de-escalation.</li><li>Communicated clearly and professionally with individuals in crisis, often under the influence or experiencing emotional distress.</li><li>Demonstrated acute observational skills and situational awareness to identify and mitigate potential risks.</li></ul>                                                                                                                                                |                 |

## TEACHING & MENTORSHIP EXPERIENCE

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### Educational Sessions – Local/Regional

O'Donovan A, Ashinoff A, Ho T, Ferguson I. *PA Program Pediatric Case Series*. Session facilitation at Yale University PA Student Pediatric Skills Course, July 2024.

Alotta A, Acier C, Kohlenberg L, Popham J, O'Donovan A, Sayeem M, Johnson R, Quijano A. *Introduction to the Pediatric Physical Exam*. Session development and facilitation at Yale University Medical Student Clinical Skills Course, December 2024.

### Professional Development

Pediatric Resident as Teacher Elective, Yale School of Medicine 12/2024

Student as Teachers Program, Penn State College of Medicine 2021 – 2022

### Mentorship

**Mentor, PULSE Mentorship Program**, Penn State College of Medicine 2019

- Mentored high school students exploring careers in medicine through structured, problem-based learning sessions
- Facilitated discussions that encouraged critical thinking and self-directed learning while guiding students to stay aligned with educational objectives
- Provided insight into medical career pathways and answered student questions to support informed career exploration

**Founder & Facilitator, T1D and Me Support Group** Penn State Pediatric Endocrinology 2019 – 2022

- Collaborated with nurse practitioners and certified diabetes educators to establish a support group for children with Type 1 Diabetes and their families
- Organized and facilitated monthly meetings focused on education, emotional support, and disease management strategies
- Assisted in developing session content tailored to patient and family needs, fostering community engagement and peer support

**Mentor, Diabuddy Program**, Penn State Pediatric Endocrinology 2019 – 2022

- Provided peer mentorship to pediatric patients newly diagnosed with Type 1 Diabetes, following referral by the endocrinology team for additional support
- Conducted virtual and phone-based sessions with patients and their families to offer guidance on disease management and emotional adjustment
- Contributed to a student-led initiative aimed at improving psychosocial outcomes and promoting self-efficacy in young patients with chronic illness

**Youth Mentor, Juvenile Diabetes Research Foundation (JDRF)**, Boston, MA 2014 – 2022

- Provided long-term mentorship to a child newly diagnosed with Type 1 Diabetes, offering guidance based on personal experience with disease management
- Maintained consistent communication with the patient and family through in-person meetings and virtual correspondence
- Offered ongoing emotional support, education, and practical advice to help the family navigate challenges associated with a new diagnosis

## LEADERSHIP

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**President**, Endocrinology Interest Group 2019 – 2020

**Community Outreach Chair**, Student Pediatric Society 2019 – 2020

## ACADEMIC AWARDS AND RECOGNITION

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| Pat J. Bruno, M.D. '72 and Lois W. Bruno Scholarship in Pediatrics                    | 2022             |
| Stabler Scholarship                                                                   | 2021             |
| <b>Discovery Program Member</b> , Pediatric Endocrinology Society                     | 2020, 2024       |
| College of Medicine Class of 1974 Scholarship                                         | 2019, 2020, 2021 |
| Piazza Family Scholarship                                                             | 2019, 2020, 2021 |
| John Combs Memorial Award                                                             | 2019             |
| McGarrity Research Scholarship                                                        | 2019             |
| Deans University Scholarship                                                          | 2018, 2020, 2021 |
| Commencement Speaker, Boston University College of Engineering                        | 2016             |
| Cardinal Medeiros Scholarship (Full Tuition Four Year Scholarship), Boston University | 2012 – 2016      |

## CERTIFICATIONS AND TRAINING

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| <b>Physician/Surgeon Licensure</b> , Connecticut Department of Public Health         | 2025 |
| <b>Pediatric Advanced Life Support Certification</b> , American Heart Association    | 2022 |
| <b>Neonatal Resuscitation Program Certification</b> , Neonatal Resuscitation Program | 2024 |
| <b>Basic Life Support Certification</b> , American Heart Association                 | 2025 |
| <b>Yellow Belt Certification</b> , Lean Six Sigma                                    | 2021 |
| <b>White Belt Certification</b> , Lean Six Sigma                                     | 2020 |

## RESEARCH EXPERIENCE

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### In Progress

Penn State College of Medicine

“Attending a structured ‘transition class’ helps equip youth with type 1 diabetes with skills required for their healthcare advocacy and navigation”

Role: Co-Investigator, First Author

PI: Kanthi Bangalore-Krishna, MD

Status: Submitted for publication, January 2025

Penn State College of Education

“Reintroducing the Socratic Method in Medical Education: A Literature Review”

Role: Co-Author

PI: Karin Sprow-Forte, DEd

Status: Submitted for publication, May 2025

Yale New Haven Health

“Revisiting the Diabetes Attitude Scale 3 Among Pediatric Residents”

Role: Co-Investigator, First Author

PI: Laura Nally, MD

Status: Research completed 2024, manuscript in progress

### Completed Experiences

**Clinical Researcher for Bionic Pancreas Project**, Boston University & Massachusetts 6/2014 – 5/2016

General Hospital

- Performed lab research comparing the dosing effectiveness of insulin pumps on the market.
- Monitored subjects in Phase II and III clinical trials for the device to ensure safety.
- Hired, trained, scheduled, and managed other clinical trial monitors across multiple studies.
- Continued these tasks as I transitioned into the Product Development Engineer role at Beta Bionics.

**Summer Research Intern**, Joslin Diabetes Center, Boston, MA

5/2013 – 8/2013

- Cloned candidate genes implicated in the pathogenesis of Type 1 Diabetes to support the development of novel preventive strategies
- Transfected cells with target DNA constructs to assess gene expression and functional impact
- Presented research findings to a scientific audience including peers, faculty, and principal investigators
- Acknowledged in: Thelin MA, Kissler S, Vigneault F, et al. In Vivo Enrichment of Diabetogenic T Cells. *Diabetes*. 2017;66(8):2220-2229. doi:10.2337/db16-0946

## **PUBLICATIONS**

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### **Peer Reviewed Manuscripts**

Jafri RZ, Balliro CA, El-Khatib F, et al. A Three-Way Accuracy Comparison of the Dexcom G5, Abbott Freestyle Libre Pro, and Senseonics Eversense Continuous Glucose Monitoring Devices in a Home-Use Study of Subjects with Type 1 Diabetes. *Diabetes Technol Ther*. 2020;22(11):846-852. doi:10.1089/dia.2019.0449

O'Donovan A, Oser SM, Parascando J, Berg A, Nease DE, Oser TK. Determining the Perception and Willingness of Primary Care Providers to Prescribe Advanced Diabetes Technologies. *J Patient Cent Res Rev*. 2021;8(3):272-276. doi:10.17294/2330-0698.1819

O'Donovan AJ, Cardiel Sam H, Lagman JG. Voluntary Age Regression Entering “Headspace” in a Child With Post-traumatic Stress Disorder. *Cureus*. 2022;14(2):e22131. doi:10.7759/cureus.22131

O'Donovan AJ, Gorelik S, Nally LM. Shifting the paradigm of type 1 diabetes: a narrative review of disease modifying therapies. *Front Endocrinol (Lausanne)*. 2024;15:1477101. doi:10.3389/fendo.2024.1477101

### **Peer Reviewed Abstracts**

Jafri RZ, Balliro CA, El-Khatib F, et al. A Three-Way Accuracy Comparison of the Dexcom G5, Abbott Freestyle Libre Pro, and Senseonics Eversense CGM Devices in an Outpatient Study of Subjects with Type 1 Diabetes. *Diabetes*. 2018;67(Supplement\_1):14-OR. doi:10.2337/db18-14-OR

Sherwood J, Balliro CA, Jafri RZ, et al. Differential Effects of the Insulin-Only and Bihormonal Configurations of the Bionic Pancreas on Mean Glucose and Hypoglycemia during the Daytime and Nighttime. *Diabetes*. 2018;67(Supplement\_1):299-OR. doi:10.2337/db18-299-OR

O'Donovan AJ, Bangalore-Krishna K. Comparison of Parental and Patient Perspectives Regarding Transition of Healthcare from Pediatric to Adult Providers. 2020 Pediatric Endocrine Society (PES) Annual Meeting. *Horm Res Paediatr*. 2020;93(Suppl. 1):I-II. doi:10.1159/000509566

Harel S, Lukasik J, Wilcox A, et al. “Can I Afford to Live Today?” The Emotional Toll of Navigating the Healthcare System with Type 1 Diabetes. Abstracts of the 2024 Pediatric Endocrine Society (PES) Annual Meeting. Chicago, IL, May 2 - 5, 2024. *Horm Res Paediatr*. 2024;97 Suppl 1:211-212. doi:10.1159/000541187

### **Local Chapters**

O'Donovan AJ. Endocrinology. *Yale Pediatrics Survival Guide*. 2023.

O'Donovan AJ, Betancur Velez, G. Endocrinology. *Yale Pediatrics Survival Guide*. 2025

## POSTER PRESENTATIONS

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### Local Presentations

O'Donovan AJ, Weinzimer S, Nally LM. Revisiting the Diabetes Attitudes Scale 3 Among Pediatric Residents in 2024. Poster Presentation. Yale Medical Education Day; June 2025; New Haven, CT.

### National Presentations

O'Donovan AJ, Oser T, Oser S, Parascando J, Berg A, Nease D. Determining the Perception and Willingness of Primary Care Providers to Prescribe Advanced Diabetes Technologies. Poster Presentation. Family Medicine Education Consortium, Annual Meeting; November 2019; Lancaster, PA.

O'Donovan AJ, Reall M, Bangalore-Krishna K. Comparison of parental and patient perspectives regarding transition of healthcare from pediatric to adult providers. Poster Presentation. Pediatric Endocrine Society Annual Meeting; April 2020; Fort Worth, TX. (Accepted for presentation, cancelled due to COVID-19).

Harel S, Lukasik J, Wilcox A, O'Donovan AJ, Suttiratana S, Lipska K, et al. "Can I afford to live today?" The Emotional Toll of Navigating the Healthcare System with Type 1 Diabetes. Poster Presentation. Pediatric Endocrine Society Annual Meeting; May 2024; Chicago, IL.

O'Donovan AJ, Weinzimer S, Nally LM. Revisiting the Diabetes Attitudes Scale 3 Among Pediatric Residents in 2024. Poster Presentation. Pediatric Endocrine Society Annual Meeting; May 2025; National Harbor, MD.

### International Presentations

O'Donovan AJ, Oser T, Oser S, Parascando J, Berg A, Nease D. Determining the Perception and Willingness of Primary Care Providers to Prescribe Advanced Diabetes Technologies. Poster Presentation. North American Primary Care Research Group Annual Meeting; November 2019; Toronto, Ontario, Canada.

## ORAL PRESENTATIONS

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### National Presentations

O'Donovan AJ, Oser T, Oser S, Parascando J, Berg A, Nease D. Determining the Perception and Willingness of Primary Care Providers to Prescribe Advanced Diabetes Technologies. Oral Presentation. Children with Diabetes Friends For Life Orlando Virtual Conference; July 2020; Orlando, FL.

### Local Presentations

O'Donovan AJ. *Pump It Up: A Guide to Diabetes Technology for Pediatric Residents*. Presentation at Yale New Haven Hospital Pediatric Noon Conference; January 2023; New Haven, CT.

O'Donovan AJ. *Pump It, Louder: A Guide to Diabetes Technology for Pediatric Residents*. Presentation at Yale New Haven Hospital Pediatric Noon Conference; January 2024; New Haven, CT.

O'Donovan AJ. *Tummy Ache Turmoil: A Workup of Abdominal Pain*. Presentation at Yale New Haven Hospital Pediatric Noon Conference; December 2024; New Haven, CT.

O'Donovan AJ. *Pump It, Louder-ER! A Resident's Guide to Diabetes Technology*. Presentation at Yale New Haven Hospital Pediatric Noon Conference; February 2025; New Haven, CT.

## LANGUAGES

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English (Fluent)  
Spanish (Conversational)

## INTERESTS & HOBBIES

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### Musical Releases

O'Donovan A. *Here We Stand* [EP]. Somerville, MA: Alex O'Donovan; 2023.