**KANTHI BANGALORE KRISHNA, M.D.**

**CURRICULUM VITAE**

**BIOGRAPHICAL**

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| Name: Kanthi Bangalore Krishna | Business Address: 4401 Penn Ave,Pittsburgh, PA 15224 |
|  | Business Phone: 412-692-5923 |
|  |  |
| Email: bangalorekrishnak2@upmc.edu |  |
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**EDUCATION and TRAINING**

**GRADUATE**

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| --- | --- | --- | --- |
| Dates Attended04/1999-04/2004 | Name and Location of InstitutionBangalore Medical College, Rajiv Gandhi University of Health Sciences. India | Degree Received and YearM.B.B.S. 2006 | Major SubjectMedicine |

**POSTGRADUATE**

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| --- | --- | --- | --- |
| 04/2004-04/200507/2007-06/2010 07/2011-06/2014  | Bangalore Medical College, Rajiv Gandhi University of Health Sciences. India State University of New York, Health Science Center at Brooklyn, Downstate Medical Center Program, Brooklyn, New YorkUPMC Children’s Hospital of Pittsburgh, Pittsburgh, PA | Rotatory Internship M.B.B.S2006ResidencyFellowship | PediatricsSteven J. Wadowski, M.D. Pediatric EndocrinologySelma F Witchel, M.D. |

**APPOINTMENTS and POSITIONS**

**ACADEMIC**

|  |  |  |
| --- | --- | --- |
| Years Inclusive03/2015-06/2021 07/2021-07/202208/2022-current **NON-ACADEMIC**03/2015- 07/2022   08/2022-current**CLINICAL ADMINISTRATION AND LEADERSHIP**08/2022-current07/2019-07/2022   | Name and Location of Institution or OrganizationPenn State College of MedicinePenn State College of MedicineUPMC Children’s Hospital of PittsburghPenn State Health, Milton S. Hershey Medical CenterUPMC Children’s Hospital of PittsburghDirector, Pediatric Endocrinology Fellowship ProgramDirector of Clinical Services | Rank/TitleAssistant Professor of PediatricsAssociate Professor of Pediatrics UCR Associate Professor of Pediatrics Attending Physician, Division of Pediatric Endocrinology and Diabetes Attending Physician, Division of Pediatric Endocrinology and Diabetes Division of Pediatric Endocrinology and Diabetes, UPMC Children’s Hospital of PittsburghDivision of Pediatric Endocrinology and Diabetes, Penn State Health, Milton S. Hershey Medical Center  |

**CERTIFICATION and LICENSURE**

**SPECIALTY CERTIFICATION:**

|  |  |
| --- | --- |
| Certifying BoardAmerican Board of Pediatrics(General Pediatrics)American Board of Pediatrics (Subspecialty: Pediatric Endocrinology)  |  Year 2010, enrolled in MOC 2015, enrolled in MOC |

**MEDICAL or OTHER PROFESSIONAL LICENSURE:**

|  |  |
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| Licensing Board/StateConnecticut State BoardPennsylvania Medical Trainee LicensePennsylvania State Medical License |  Year 2010 2011-2014 2015-current |

**MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES**

|  |  |
| --- | --- |
| Organization American Academy of PediatricsPediatric Endocrinology Society Endocrine Society American Diabetes Association The Council on Medical Student Education inPediatrics (COMSEP) | Year2010-present 2011-present 2011-present 2012-present 2020-present  |

**HONORS**

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| --- | --- |
| Title of AwardAwarded Rankings among all ~5000 students in the State of Karnataka for MBBS Degree: -20th Rank in Pediatrics-19th Rank in Anatomy -18th Rank in Forensic MedicineDoris H. Milman Award by SUNY Downstate Medical Center for Excellence in Pediatrics (Best Outgoing Pediatric Resident) Cash Award: $250Grant and peer-selected to present at the Early Investigator’s Meeting, Endocrine Society, Indianapolis, IndianaTravel Grant, Pediatric Endocrine Society for Annual Conference, Washington, DCDean’s Award for Excellence in Teaching, Penn State College of MedicineTop Educator in Pediatrics Award, Penn State Children’s HospitalNominated for ‘Rookie Teacher of the Year’ by pediatric residents, Penn State Children’s HospitalTop Educator in Pediatrics Award, Penn State Children’s HospitalRecognized for securing a patient satisfaction score >99th percentile, Penn State Children’s HospitalTop Educator in Pediatrics Award, Penn State Children’s HospitalPeer – Selected for AAMC Leadership Seminar in San Diego and Awarded Funding from Office of Faculty and Professional Development, Penn State College of MedicineAward: $1,500Exceptional Teaching Moments(https://yourcare.pennstatehealth.org/acton/rif/34718/s-00a9-2001/-/l-0050:10ee/l-0050/showPreparedMessage?sid=TV2:pFQZDvVvq)Top Educator in Pediatrics Award, Penn State Children’s Hospital    |  Year 2006 2009-2010 2013 2013  2016  2017-2018 2017-2018 2018-2019 2018  2019-2020 2019  2020 2020-2021 |

**PUBLICATIONS**

1. ORIGINAL PEER REVIEWED ARTICLES

1. [**Krishna, KB**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Krishna%20KB%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)**.**, [Stefanovic-Racic, M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Stefanovic-Racic%20M%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)., [Dedousis, N](https://www.ncbi.nlm.nih.gov/pubmed/?term=Dedousis%20N%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)., [Sipula, I](https://www.ncbi.nlm.nih.gov/pubmed/?term=Sipula%20I%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)., [O'Doherty, RM](https://www.ncbi.nlm.nih.gov/pubmed/?term=O'Doherty%20RM%5BAuthor%5D&cauthor=true&cauthor_uid=27033445). “Similar degrees of obesity induced by diet or aging cause strikingly different immunologic and metabolic outcomes.”*Physiol Rep*. 2016 Mar; doi: 10.14814/phy2.12708.
2. Bogale K, Hale DE, Schaffer e and **Bangalore Krishna, K**., “Prevalence and Factors Associated with Diabetic Ketoacidosis at Diagnosis of Type 1 Diabetes: A Report from a Tertiary Medical Center in Central Pennsylvania.” *Endocrinology, Diabetes and metabolism*. September 2020. 10.1002/edm2.186
3. Oser, T., Oser, S., **Krishna, KB.**., Hale, DE., Litchman, M., et al. “Challenges and successes

in raising a child with Type 1 Diabetes and Autism Spectrum Disorder: Mixed method study.” March 2020. *Journal of Medical Internet Research. 10.2196/17184.*

1. Bogale, K.T., Urban, V., Schaefer, E. and **Bangalore Krishna, K**. The Impact of COVID‐19 Pandemic on Prevalence of Diabetic Ketoacidosis at Diagnosis of Type Diabetes: A Single‐Centre Study in Central Pennsylvania. *Endocrinol Diab Metabolism*. e00235. February 2021. https://doi.org/10.1002/edm2.235

2. OTHER PEER REVIEWED PUBLICATIONS

1. Buryk, MA., **Krishna, KB.,** Rivera-Vega, M., Garibaldi, L**. “**Wolfram Syndrome. Are we aware of the hypoglycemic unawareness?” *Journal of Diabetes Research and Clinical* *Metabolism.* 2013 2 (1), 4
2. **Krishna**, **KB.,** Lee, PA., Houk, CP. “Pragmatic approach to a newborn with ambiguous genitalia.” *Seminars in Perinatology*. 2017 Jun; 41(4):244-251. Doi:101053/j.semperi.2017.03.103. Epub 2017
3. **Krishna, KB.,** Pagan, P., Escobar, O., Popovic, J. “[Occurrence of cranial neoplasms in pediatric patients with Noonan Syndrome receiving growth hormone: Is screening with brain MRI prior to initiation of growth hormone indicated?](https://www.ncbi.nlm.nih.gov/pubmed/28746941)” *Hormone Research* *in Paediatrics*. 2017 Jul 26. doi: 10.1159/000479107
4. **Bangalore Krishna, K.,** Fuqua, JS., Rogol, AD., Klein, KO., Popovic, J., Houk, CP., Lee, PA., et al. “Use of gonadotropin-releasing hormone analogs in children: Update by an international consortium.” *Hormone Research in Paediatrics*. 2019; 91(6):357-372. doi: 10.1159/000501336. Epub 2019 Jul 18. PMID: 31319416.
5. **Krishna, KB.,** Kogan, BA, Ernst, MM., Romao, RL., Serrano-Gonzalez, M., Quintos, JB.,

Phornphutkul, C., Aguiar, L., Mohsin, F., Lee, PA. “Individualized care for patients with

intersex (Disorders/Differences of Sex Development): Part 3. *Journal of Pediatric*

*Urology*. 2020 June 11 JPUROL3513. Doi: 10.1016/j.jpurol.2020.06.004

1. **Bangalore Krishna K**., Barry A. Kogan, Tom Mazur, Piet Hoebeke, Guy Bogaert, Peter A. Lee. “Individualized Care for Patients with Intersex (Differences of Sex Development): Part 4/4.Considering the Ifs, Whens, and Whats Regarding Sexual-Reproductive System Surgery, Journal of Pediatric Urology, 2021, ISSN 1477-5131. <https://doi.org/10.1016/j.jpurol.2021.02.011>.
2. Allen NG, **Krishna KB**, Lee PA. Use of gonadotropin-releasing hormone analogs in children. Curr Opin Pediatr. 2021 Aug 1;33(4):442-448. doi: 10.1097/MOP.0000000000001026. PMID: 34001716.

BOOKS, BOOK CHAPTERS AND MONOGRAPHS

1. **Krishna, KB.**, Witchel, SF., Lee, PA., Houk, CP. Classification and presentation of

 disorders of sexual development (DSD). *Encyclopedia of Endocrine Diseases* 2e. May

 2018 Doi: 10.1016/B978-0-12-801238-3.66187-1.

1. **Krishna**, **KB**., Mohsin, F., Houk, CP., Lee, PA. Congenital Adrenal Hyperplasia as a model to explore gender fluidity in early life; Particularly 46, XX patients with male external genitalia. *Legato: The Plasticity of Sex*. Pages 109-135. May 2020 <https://doi.org/10.1016/B978-0-12-815968-2.00013-X>
2. Lee PA., **Krishna KB.**, Houk CP., Rogol A., Witchel SF. Disorders of Sex Development. In: Allen DB, Nadeau K, Kappy MS, Geffner ME. eds. Pediatric Endocrinology: Principles and Practice, 3e. McGraw-Hill; Accessed January 27, 2021.

 <https://accesspediatrics.mhmedical.com/content.aspx?bookid=2947&sectionid=250000607>

1. Allen NG**, Krishna KB**, Lee PA. Differences of Sex Development: What Neonatologists Need to Know. Clin Perinatol. 2022 Mar;49(1):207-218. doi: 10.1016/j.clp.2021.11.013. PMID: 35210002.

PUBLISHED ABSTRACTS (in Scientific Journals)

1. Valerie Urban, Kaleb Bogale and **Kanthi Bangalore Krishna**

The Impact of COVID-19 Pandemic on Prevalence of Diabetic Ketoacidosis at Diagnosis of Type 1 Diabetes: A Single-Centre Study in Central Pennsylvania.

Presented as a poster for March 2021 Endocrine Society Virtual International Meeting.

1. O’Donnovan, A.**, Krishna, KB.** “Comparison of parental and patient perspectives regarding

transition of healthcare from pediatric to adult providers.” Abstract published and poster presented at the Annual PES Meeting, April 2020.

1. **Krishna**, **KB.,** Reall, M., Prokop, A., Gustafson, T. **“**Baseline assessment of transition preparedness in youth with type 1 diabetes.” Poster presented at Pediatric Research Day, Hershey, PA, 2019. Poster presented at the Annual ADA meeting in San Francisco, California, June 2019. *Diabetes* 68 (Supplement 1), 1353-P
2. Shank, K., Reall, M., Prokop, A., Gustafson, T., **Krishna, KB. “**Assessment of parental preparedness 211for transition of their child’s diabetes care from pediatric to adult providers.” Poster presented at Pediatric Research Day, Hershey, PA, 2019. Abstract published at the Annual ADA Meeting, San Francisco, California, June 2019, *Diabetes* 68 (Supplement 1), 2400-PUB
3. Oser.T., Oser, SM., **Krishna, KB.,** Hale, DE. “Raising a child with type 1 diabetes and autism – Using social media to identify barriers and facilitators.” Poster presented at Annual American Diabetes Association Meeting, San Diego, California, June 2017, 2018 Diabetes 67 (Supplement 1), 872-P
4. Wang, G., **Krishna, KB.,** Rao, H. “Home CPAP therapy may underestimate apnea and hypopnea index in infants with obstructive sleep apnea.” Poster presented at Annual Sleep Conference, Boston, Massachusetts, June 2017, SLEEP 40, A453-A453
5. Wu M., Rao, H., **Krishna**, **KB.,** “Importance of a comprehensive sleep evaluation prior to growth hormone therapy in infants with Prader Willi Syndrome.” Poster presented at The Annual Endocrine Society Meeting, Orlando, Florida, April 2017
6. Shank, K., Oser, T., Oser, S., **Krishna, KB. “**Evaluating transition of care for type 1 diabetes among young adult diabetes blog readers.” Poster presented at The Annual American Diabetes Association Meeting, San Diego, California, June 2017,

*Diabetes 66*, A376-A376

1. **Krishna, KB**., Wu, M., Sultana, N., Hale, DE., “Establishing a baseline for patients with Type 1 Diabetes who wear medical identification.” Pediatric Endocrine Society Meeting in Washington DC, 2017. *Hormone Research in Paediatrics* 88, 226-227
2. [**Krishna, KB**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Krishna%20KB%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)**.**, [Stefanovic-Racic, M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Stefanovic-Racic%20M%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)., [Dedousis, N](https://www.ncbi.nlm.nih.gov/pubmed/?term=Dedousis%20N%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)., [Sipula, .I](https://www.ncbi.nlm.nih.gov/pubmed/?term=Sipula%20I%5BAuthor%5D&cauthor=true&cauthor_uid=27033445), [O'Doherty, RM](https://www.ncbi.nlm.nih.gov/pubmed/?term=O'Doherty%20RM%5BAuthor%5D&cauthor=true&cauthor_uid=27033445). “Liver and Adipose Tissue (AT) T-cells do not contribute to the insulin resistance of aging.” Poster presentation at The Endocrine Society Meeting, Chicago, Illinois, 2014, *Obesity And Inflammation*, SUN-0922-SUN-0922, *Endocrine* *Reviews* 35(3)
3. [**Krishna, KB**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Krishna%20KB%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)**.**, [Stefanovic-Racic, M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Stefanovic-Racic%20M%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)., [Dedousis, N](https://www.ncbi.nlm.nih.gov/pubmed/?term=Dedousis%20N%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)., [Sipula, I](https://www.ncbi.nlm.nih.gov/pubmed/?term=Sipula%20I%5BAuthor%5D&cauthor=true&cauthor_uid=27033445)., [O'Doherty, RM](https://www.ncbi.nlm.nih.gov/pubmed/?term=O'Doherty%20RM%5BAuthor%5D&cauthor=true&cauthor_uid=27033445). “Adipose tissue immune responses distinguish the differential insulin resistance of obesity associated with aging or diet.” Poster presentation at The American Diabetes Association Meeting, 2014, San Francisco, California. *Diabetes* 63, A499-A499
4. **Krishna, KB.**, Escobar O., Popovic J., “Dysembryoplastic Neuroepithelial Tumor (DNET) in a pre-pubertal boy with Noonan Syndrome (NS) receiving growth hormone (GH) therapy; Should brain MRI be routinely performed in children with NS prior to initiating GH therapy?” Poster presentation at The Endocrine Society Meeting, Chicago, Illinois, 2014, *Endocrine Reviews* 35(3)
5. Baldauff, N., **Krishna KB.**, Vargas, M., Witchel, SF., “Leuprolide and Histrelin: A comparison of efficacy and impact on BMI, growth velocity, and skeletal maturation. Poster presentation at The Endocrine Society Meeting, Chicago, Illinois, 2014, *Endocrine Reviews* 35 (3) *Puberty* A*nd It’s Disorders: Pediatric Endocrinology*, SUN-0176- SUN-0176
6. **Krishna, KB.,** Rivera-Vega, MY**.,** Garibaldi, LG. “Extracorporeal Membrane Oxygenation (ECMO) in the treatment of acute cardiac failure and pulmonary edema secondary to Pheochromocytoma (PHEO) crisis in a pediatric patient with MEN2B.” Poster presentation at The Endocrine Society, San Francisco, California, 2013, *Pheochromocytoma & Paraganglioma*, MON-77- MON-77.
7. **Krishna, KB.**, Sperling, MA. “Growth hormone deficiency in a child with Chromosome 7q11.23 Duplication: Cause or consequence?” Poster presentation at The Endocrine Society, San Francisco, California, 2013, *Pediatric Growth Case Reports*, SAT-635-SAT-635.
8. **Krishna, KB.**, Witchel, SF. “Germ Cell Tumors and DSD”. Poster presentation at The Endocrine Society, Houston, Texas, 2012

ABSTRACTS (not published in Scientific Journals)

1. Valerie Urban and **Kanthi Bangalore Krishna**

Treatment Considerations in a patient with Turner syndrome and gender incongruence

Poster presented at the June 2022 Endocrine Society International Meeting

1. Yunting “Mary” Yu, **Kanthi Bangalore Krishna**, Peter Lee, Lina Huerta-Saenz

A Novel NR5A1 Gene Mutation Causing 46, XY DSD Without Adrenal Insufficiency in an Immigrant Boy from Dominican Republic. Poster presented at the June 2022 Endocrine Society International Meeting

1. Valerie Urban, Jaclyn Mirault and **Kanthi Bangalore Krishna**

Thyroid Storm: Implementing a novel online simulation session for Phase 1 Medical Students.

Presidential Poster presented virtually for PES 2021.

1. **Krishna, KB. “**Are pediatric residents comfortable and confident with pubertal staging?” Poster presented at Pediatric Research Day, Hershey, PA, 2019
2. **Krishna KB**. “Increased Utilization Of Patient Portal Improves Care In Type 1 Diabetes Patients”

Poster presented at the Annual EdVenture Meeting for Educators, Hershey, PA, 2020

1. **Krishna KB.** “Medical student engagement with large group sessions: Sample survey of students and faculty”. Poster presented at the final Harvard Macy educators program, Boston, 2021

MEDIA

Led the DSD SIG team from the Pediatric endocrine society in developing a video to assist parents of a newborn with DSD: [**https://pedsendo.org/patient-education-videos/**](https://pedsendo.org/patient-education-videos/)

OTHER

Manuscript selected by the ABP for Maintenance of Certification mandatory reading and also by the Pediatric endocrine society MOC group: **Bangalore Krishna, K.,** Fuqua, JS., Rogol, AD., Klein, KO., Popovic, J., Houk, CP., Lee, PA., et al. “Use of gonadotropin-releasing hormone analogs in children: Update by an international consortium.” *Hormone Research in Paediatrics*. 2019; 91(6):357-372. doi: 10.1159/000501336. Epub 2019 Jul 18. PMID: 31319416

4 questions written by me based on this manuscript were published on the ABP website.

4 more questions (different from above) written by me based on this manuscript were submitted to the PES-MOC subcommittee.

**PROFESSIONAL ACTIVITIES**

**TEACHING**

**Course Co-Director: MS2**

2018-2022 Reproduction and Endocrinology (8-week course: including

 course design, curriculum development, PBL content revisions,

 learning objective updates, review course content, create informal and

 formal assessments, grading the quiz and exams including short answers)

2019-2022 Endo-repro case simulation

 (developed and implemented)

 ~145, 2nd year medical students per session – 5 contact hours/year

**Medical Student – MS2 (PSHMC)**

2016-2019 Lecturer, Endocrinology and Reproductive Medicine Course

 ~145, 2nd year medical students per session – 5 contact hours/year

**Medical Student – MS2 (University Park)**

2019-2021 Lecturer, Differences of sex development

 ~22, 2nd year medical students per session – 1 contact hour/year

**Medical Student – MS3**

2015-2019 Lecturer, Pediatrics Clerkship

 Topic: Endocrine case studies

 ~12 3rd year medical students per session– 5 contact hours/year

**Medical Student – MS4**

2016-2022 **Program-Director** for pediatric endocrinology elective course PED-720

 with 5 course credits.

 ~5 4th year medical students per year, 4-week rotation blocks.

2016-2020 Transition to Internship (POMIII) Course:

 DKA and hyperglycemia workshop

 ~20 4th year medical students per session – 4 contact hours/year

2019-2021 Master Educator for Advanced Clinical Reasoning Elective

 Case discussion and clinical reasoning

 ~15 4th year medical students – 8 contact hours/year

**Medical Student – MS3 and MS4**

2020-2022 Associate Pediatric Clerkship Director (0.1FTE)

**Post-graduate Resident Teaching**

2015-2022 Lecturer, Pediatric Endocrinology Course

 30 attendees, 3 contact hours/year

 Topics covered: Growth: Short Stature and Tall Stature

 Thyroid Disorders in Children and Adolescents

 Parathyroid disorders

 Adrenal Disorders, Adrenal Insufficiency, CAH

 Type 1 Diabetes- Outpatient Management

 Precocious and Delayed Puberty

 Differences of Sex Development

2015-2017 Course preceptor: Pediatric Board Review

 30 attendees, 3 contact hours/year

2017-2020 **Rotation Director: Pediatric Endocrinology:**

 Designed 2 week and 4 week curriculum for Pediatric Residents,

 Med/Peds Residents and Adult Endocrinology Fellows. Course is

 individualized based on rotator course objectives and goals. Feedback

 provided weekly.

**NICU Fellows**

2015 Lecturer. Ambiguous genitalia/Atypical genitalia

 6 attendees, 1 contact hour/year

2018 Neonatal Thyroid Disorders

 6 attendees, 1 contact hour/year

**Pediatric Hospitalists**

2016 Lecturer, Pediatric Endocrinology Review.

 DKA and HHS evaluation and management.

 6 attendees, 1 contact hour/year

**Adult and Pediatric Endocrinology Conference: Presenter**

2015 Topic: Delayed Puberty

 12-15 attendees, 1 contact hour/year

2017 Topic: Energy Metabolism and Pediatric Obesity

 12-15 attendees, 1 contact hour/year

2017 Topic: Endocrine Follow up of Cancer Survivors.

 12-15 attendees, 1 contact hour/year

2019 Topic: Wolfram syndrome

 12-15 attendees, 1 contact hour/year

2019 Topic: Pseudohypoparathyroidism Disorders

 12-15 attendees, 1 contact hour/year

2020 Topic: CAH for the adult endocrinologist

 12-15 attendees, 1 contact hour/year

2020 Topic: Turner syndrome overview

 12-15 attendees, 1 contact hour/year

2022 Topic: Hypogonadotropic hypogonadism

 12-15 attendees, 1 contact hour/year

**Physician’s Assistant**

2017- 2022 Topic: Pediatric Endocrinology Review

 35 attendees, 3 contact hours/year

**Adult and Pediatric Endocrinology Conference: Preceptor**

2016 Adult Endocrine Fellow Presentation: Turner Syndrome

 20 attendees, 2 contact hours/year

**Mentorship Activities**

2016 Malinda Wu, Pediatric Resident 3rd Year; Pediatric Endocrine

 Fellow at Emory University and now faculty at Johns Hopkins

2016-2022 ‘**Resident Coach’** to 7 Pediatric Residents per year

 3-6 contact hours per resident per year, ~21 students

2020-2021 Kaleb Bogale, Medical Student (MD2022)

 Accepted as Family Medicine Resident starting July 2022. Mentored project on

 Diabetic Ketoacidosis and COVID-19 in Central Pennsylvania

2020-2022 Valerie Urban, Medical Student (MD 2023)

 Working on transgender care in Turner syndrome, Sleep disorders in infants

 with Prader Willi syndrome- effects of growth hormone. Both manuscripts are

 being finalized.

**RESEARCH**

**Completed Grants**

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| --- | --- | --- | --- | --- |
| Pediatric Research Discovery and Education Fund (PRDEF), Penn State College of Medicine AND Junior Faculty Development Program, Penn State College of Medicine | Setting up pre-transition clinics for adolescents with type 1 diabetes facilitates a smoother transition of care from pediatric to adult providers | **Principal Investigator** 2 %Effort  | 07/01/17-6/30/2021  |  $14,000 +$5,000=$19,000 |
| Small Grants for Qualitative Research, Penn State College of Medicine | Raising a child with type 1 diabetes and autism: Qualitative thematic analysis | **Co-investigator**(Assisted with patient recruitment, collecting data, analyzing data and manuscript publication)Principal Investigator: Tamara OserNo effort | 07/01/17–06/30/19 | $9,954  |

**LIST of CURRENT RESEARCH INTERESTS**

* Individualized management of patients with differences of sex development
* Identifying risk factors for poor height outcomes in males with central precocious puberty
* Evaluating the changes in learning habits and styles among learners (medical students, residents and fellows) and using this information to develop a robust and interactive curriculum for residents and fellows

**OTHER RESEARCH RELATED ACTIVITIES**

**Editorial Board:**

2021 PREP Endocrinology, member of the Endocrine subspecialty Board.

 American Academy of Pediatrics.

**National**

2018-present Ad Hoc Reviewer:

 Maternal Health, Neonatology and Perinatology,

 Frontiers in Endocrinology (1-2/year)

**Local**

2017-2019 Junior Faculty Development Program, 2-year certificate course with mentored

 research project, Penn State Health College of Medicine

2019-2020 Health systems Science Academy: 1-year certificate course with mentored

 research project, Penn State Health College of Medicine

2020-2021 Graduated from the Harvard Macy program for educators, peer selected for

 participation with ongoing mentorship from national leaders in health professions

 education and research.

**INVITED SEMINARS AND LECTURESHIPS**

04/2021 Annual Pediatric Endocrine Society Meeting

 Co-chair, DSD Symposium

 ~450 attendees

01/2022 Panelist at the Fellows 360 workshop organized by the Pediatric

 Endocrine Society: expertise: Clinician educator track

04/2022 Annual Pediatric Endocrine Society Meeting

 Speaker: Meet the Professor session: To suppress or not to suppress puberty.

 ~400 attendees

**LOCAL/REGIONAL**

01/2016 Invited Speaker: Puberty for the Pediatrician

 UPMC Pinnacle (then Pinnacle Health system)

 ~100 attendees

04/2018 Speaker: Transition of diabetes care from Pediatric to Adult Endocrine

 Central PA Annual Diabetes symposium, Hershey. ~75 attendees

08/2018 Speaker: School Nurse Program, Penn State Health, Hershey, PA, “Diabetes

 Management at School.” (150 attendees)

09/2018 Invited Speaker: Grand rounds: Early and Delayed puberty

 Reading Hospital

 ~30 attendees

01/2022 Speaker: The Annual Leadership and Education in Adolescent Health (LEAH)

 Adolescent and Young Adult (AYA) Conference: Collaborative Models of Youth

 Centered Care: Promoting Shared Decision Making and Equity in Health Outcomes

 Presented by the Mid-Atlantic Regional Society for Adolescent Health and

 Medicine. Topic: Not Just for Health Care: Supporting Youth With Gender Concerns

 Where They Are From the Start

 ~110 attendees.

03/2022 Grand rounds: Premature pubarche

 Penn State Health Medical Center, Department of Pediatrics

 ~ 100 attendees

04/2022 Invited Speaker: Considerations for pubertal blockers in gender incongruent

 individuals. Presented to the Philadelphia Flight Group

 ~ 25 attendees

**SERVICE**

**National**

2017-present Member of the Education Committee, Pediatric Endocrine Society

 (Completed translation from English to Hindi of 14 patient

 hand-outs, published on **https://pedsendo.org/patient resources**)

2018-2023 Member of the Nominations Committee, Pediatric Endocrine

 Society

2019-present Member of the DSD Special Interest Group (SIG), Pediatric Endocrine

 Society: Led the team developing a video to assist parents of a newborn

 with DSD: **https://pedsendo.org/patient-education-videos/**

**Local**

2017-2018 Member of the Medical Advisory Council, Central PA Chapter,

 JDRF (Juvenile Diabetes Research Foundation)

2019-2020 Reviewer of applications for scholarship to the AAMC seminars/meetings

2018-2022 Sub-specialty speaker at the Annual Student Pediatric Society meetings

 (1-3 Contact hours/year)