

Curriculum Vitae
University of Pittsburgh
School of Medicine

MOLLY C MACK, MD, MS

BIOGRAPHICAL INFORMATION

Name:	Molly C Mack, MD, MS	E-mail:	molly.mack@chp.edu
Business Address:	UPMC Children's Hospital of Pittsburgh Division of Hospice and Palliative Medicine Division of Hematology/Oncology 4401 Penn Avenue Pittsburgh, PA 15224	Business Phone:	412-692-7432

EDUCATION AND TRAINING

Undergraduate

Duke University Durham, NC	B.A. 2011	English <i>Graduate with Distinction</i>	2008 – 2011
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Graduate

University of Texas Medical School at Houston Houston, TX	M.D. 2018	Doctor of Medicine	2014 – 2018
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Post-Graduate

UPMC Medical Education UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	Pediatric Resident Directors: Dr. Andrew Nowalk, Dr. Kate Watson	2018 – 2021
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UPMC Medical Education UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	Chief Resident, Pediatrics Directors: Dr. Andrew Nowalk, Dr. Kate Watson	2021 – 2022
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UPMC Medical Education UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	Pediatric Hematology/Oncology Fellow Directors: Dr. Erika Friehling, Dr. Brittani Seynnaeve, Dr. Colleen Mathews	2022 – 2025
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University of Pittsburgh Institute for Clinical Research Education Pittsburgh, PA	Master of Science, Medical Education	2023 – 2025
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UPMC Medical Education Pittsburgh, PA	Hospice and Palliative Medicine Fellow Pediatrics Track Directors: Dr. Ethan Silverman, Dr. Scott Maurer, Dr. Amanda Brown	2025 – 2026
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APPOINTMENTS AND POSITIONS

Academic

Pediatric Chief Resident	Department of Pediatrics UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	2021 – 2022
Attending Physician	Pediatric Hospitalist Department of Pediatrics UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	2021 – 2022
Assistant Professor of Pediatrics	Department of Pediatrics Division of Palliative and Supportive Medicine Division of Pediatric Hematology/Oncology University of Pittsburgh School of Medicine UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	2026 – present

Non-Academic

Clinical Research Coordinator	Division of Cardiothoracic Surgery Duke University Hospital Durham, NC Chief: Dr. Peter Smith	2012 – 2013
Clinical Research Coordinator	Cardiopulmonary Research Science and Technology Institute (CRSTI) The Heart Hospital Baylor Plano Dallas, TX	2013 – 2014
Academic Tutor	Slingshot Prep Dallas, TX	2013 – 2017
Home School Teacher	Laurel Springs School Ojai, CA	2014 – 2017

CERTIFICATION AND LICENSURE

Specialty Certification

American Board of Pediatrics	Certified in General Pediatrics	2021
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Medical Licensure

Commonwealth of Pennsylvania, MT License	2018 – 2021, 2023 – present
Commonwealth of Pennsylvania, MD License	2021 – present
DEA License FM9964102	2018 – present

Skills Certification

Pediatric Advanced Life Support	2019 – present
Neonatal Resuscitation Program	2019 – present

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

American Academy of Pediatrics (AAP)	2018 – present
Chief Resident Executive Committee, Association of Pediatric Program Directors	2021 – 2023
American Society of Pediatric Hematology and Oncology (ASPHO)	2022 – present
Children's Oncology Group (COG)	2022 – present
American Academy of Hospice and Palliative Medicine (AAHPM)	2025 – present

HONORS

Graduation with Distinction Program for Undergraduate English Major, Duke University <i>Critical Writing Honors Thesis: "Bestsellers – Anatomy of a List"</i>	2011
Duke University Varsity Women's Soccer, Duke University <i>Atlantic Coast Conference (ACC) Honor Roll Selection</i>	2009, 2011, 2012
Duke University Varsity Women's Soccer, Duke University <i>Four-year Varsity Letter Winner</i>	2008, 2009, 2010, 2011
Gold Humanism Honor Society, The University of Texas Medical School at Houston <i>President</i>	2017
Scholarly Concentration: Child Health and Advocacy, The University of Texas Medical School at Houston <i>Successfully completed four-year longitudinal requirements</i>	2018
Ann E. Thompson PICU Award, UPMC Children's Hospital of Pittsburgh <i>Award for top resident performance in the Pediatric Intensive Care Unit</i>	2021
UPMC Children's Hospital of Pittsburgh Rita M. Patel Research Conference <i>First Prize Honor for Poster Presentation</i>	2022
American Society of Pediatric Hematology Oncology Conference <i>Top 10 Poster</i>	2025
Pediatric Palliative Oncology Academic Leadership Collaborative & Symposium <i>Travel Award Winner</i>	2025

PUBLICATIONS

Original Peer-Reviewed Articles

1. Englum BR, Pavlisko EN, **Mack MC**, et al. Pseudoaneurysm formation after medtronic freestyle porcine aortic bioprosthesis implantation: a word of caution. *Ann Thorac Surg.* 2014;98(6):2061-2067. *Oral presentation at The Society of Thoracic Surgeons 50th Annual Meeting 2014, Orlando, FL.*
2. **Mack MC**, Szerlip M, Herbert M et al. Outcomes of Treatment of Nonagenarians With Severe Aortic Stenosis. *Ann Thorac Surg.* 2015;100(1):74-80. doi:10.1016/j.athoracsur.2015.02.045. *Oral presentation at The American College of Cardiology 2014, Washington, DC.*

3. Gopal A, Grayburn PA, **Mack M**, et al. Noncontrast 3D CMR imaging for aortic valve annulus sizing in TAVR. *JACC Cardiovasc Imaging*. 2015;8(3):375-378.
4. **Mack M**, Gopal A. Epidemiology, traditional and novel risk factors in coronary artery disease. *Heart Fail Clin*. 2016;12(1):1-10.
5. Szerlip M, Arsalan M, **Mack MC**, et al. Usefulness of balloon aortic valvuloplasty in the management of patients with aortic stenosis. *Am J Cardiol*. 2017;120(8):1366-1372.
6. Eddens T, **Mack M**, McCormick M, Chong H, Kalpatthi R. Trends in Pediatric Primary Immunodeficiency: Incidence, Utilization, Transplantation, and Mortality. *J Allergy Clin Immunol Pract*. 2022 Jan;10(1):286-296.e3. doi: 10.1016/j.jaip.2021.10.033. Epub 2021 Oct 27. PMID: 34718217; PMCID: PMC8961698.
7. Peterson Lu E, Bowen J, Foglia M, Ribar E, **Mack M**, Sondhi E, Hickey RW. Etiologies of Poor Weight Gain and Ultimate Diagnosis in Children Admitted for Growth Faltering. *Hosp Pediatr*. 2023 May 1;13(5):394-402. doi: 10.1542/hpeds.2022-007038. PMID: 37082920.
8. Lucas CM, **Mack MC**, Majeski J, Maurer SH. Exploring perceptions of inpatient hospital attire in children with cancer. *Pediatr Blood Cancer*. 2024 Jul 4:e31167. Doi:10.1002/pbc.31167. Epub ahead of print. PMID: 38963191.
9. **Mack M**, Xavier F, McCormick M. Patterns of Direct Oral Anticoagulant Use in Pediatric Patients: Results From a Multicenter National Database. *Pediatr Blood Cancer*. 2025 Aug;72(8):e31816. doi: 10.1002/pbc.31816. Epub 2025 May 25. PMID: 40415224.
10. **Mack MC**, Claxton RN, Arnold RM, Maurer SH. Peds OncoTalk: A Curriculum to Teach Communication Skills to Pediatric Hematology/Oncology Fellows. *Pediatr Blood Cancer*. 2025 Jul 21:e31912. doi: 10.1002/pbc.31912. Epub 2025 July 21. PMID: 40692208.
11. Fladeboe KM, Fredman G, Maurer SH, Zhou C, Bradford MC, Yi-Frazier JP, Salsman JM, Baker KS, **Mack MC**, Taylor MR, Rosenberg AR. Feasibility and proof-of-concept of a combined resilience and social connection intervention for adolescents and young adults with cancer: a pilot randomized trial protocol. *Pilot Feasibility Stud*. 2026 Jan 29;12(1):32. doi: 10.1186/s40814-026-01775-0. PMID: 41612517; PMCID: PMC12924383.
12. Khatib L, **Mack MC**, Valencia MC, Moore E, Friebling E. Concurrent Mixed Phenotypic Acute Leukemia and T-Lymphoblastic Lymphoma in an Adolescent Male. *Pediatr Blood Cancer*. 2026 Feb;73(2):e70088. doi: 10.1002/1545-5017.70088. Epub 2025 Dec 30. PMID: 41467249.
13. Pan, Y., Bernstein, K., Dey, S., Daley, J., Meade, J., Bailey, K., Maurer, L., Mukherjee, E., Cooper, J., Jamalruddin, M., Tufino, A., Aarabi, M., & **Mack, M.** (2026). Pathogenic Germline PALB2 and RAD50 Variants in Patients With Relapsed Ewing Sarcoma. *Pediatric Blood & Cancer*, 73(3), e70122. <https://doi.org/10.1002/1545-5017.70122>
14. McLoughlin DE, Gestrich CK, Seynaeve BKN, **Mack MC**. Circulating Tumor DNA as a Potential Biomarker for Extracranial Disease Monitoring in Pediatric Melanoma: A Case Report. *Pediatr Blood Cancer*. 2026 Jul 29:e70428. doi: 10.1002/1545-5017.70428. Epub ahead of print. PMID: 42527382.
15. Stahlfeld CN, Maurer SH, Watkinson MD, Nury J, Barberis E, **Mack MC**. Bridging the Loneliness Gap: Depression, Connectivity, and Isolation in Pediatric Oncology Patients and Their Peers. *Pediatr Blood Cancer*. 2026 Sep 24:e70689. doi: 10.1002/1545-5017.70689. Epub ahead of print. PMID: 42781853.

Published Abstracts

1. **Mack MC**, Szerlip M, Herbert M, DiMaio JM, Mack M, Holper EM. TCT-787 A prospective study of the contemporary role of balloon aortic valvuloplasty in the management of patients with severe aortic stenosis. *J Am Coll Cardiol*. 2014;64(11):B230.
2. Mack MJ, Brennan JM, Peterson E, Edwards F, Murat Tuzcu E, Grover F, Shahian D, Brindis R, Rumsfeld J, **Mack MC**, Holmes D. The Outcomes of Transcatheter Aortic Valve Replacement in Patients with End-Stage Renal Disease: A Report From the STS/ACC TVT Registry. *J Am Coll Cardiol*. 63(12s),A1714-A1714. *Oral presentation The American College of Cardiology 2014, Washington, DC.*
3. Arsalan M, Szerlip M, **Mack MC**, et al. TCT-660 A prospective study of the contemporary role and outcomes of balloon aortic valvuloplasty: One year outcomes. *J Am Coll Cardiol*. 2015;66(15):B270-B271. *Oral presentation The American College of Cardiology 2015, San Diego, CA.*

National Workshops

1. Kraeber S, Heidenreich L, Jinks-Chang S, **Mack MC**, Soffer S, Trevino R, Gula A, Hailey C, Mauro A, Lancaster K, Lebowitz J, Wang C, Acosta A, Goslings S, Taurassi C, Zwemer E, Dickinson B, Homme J. Mentorship Mythbusters: Strategies for Avoiding Mentoring Mishaps and Succeeding as a Mentor and Mentee. Workshop presented at the Association of Pediatric Program Directors Spring Meeting. May 2022. San Diego, CA.
2. Sharp E, **Mack MC**, Friehling E, Watson K, Szymusiak J, Miller B, Blankenburg R, Browning W, Herndon A, Weisgerber M, Beck J, Leyens K. On My Own, Pretending You're Beside Me: Supporting Resident and Fellow Autonomy in Pediatrics. Workshop presented at the Association of Pediatric Program Directors Spring Meeting. May 2022. San Diego, CA.
3. Sharp E, Friehling E, Szymusiak J, **Mack MC**, Alessi L, Rose J, Spears N. Snip, Snip, Hooray! Using Sinppets to Provide Faculty Development to Busy Clinicians. Workshop Presented at the Association of Pediatric Program Directors Spring Meeting. March 2025. Atlanta, GA.

Poster Abstract Presentations

1. **Mack MC**, Gopalakrishnan D, Grayburn P, Avila A, Lovil M, Rampoldi JM, Mahoney AC, Folwer J, Brinkman WT, Brown D, Mack MJ, Gopal A; Novel Low-dose-contrast Cardiac CT Angiography for Aortic Valve Annulus Sizing in Transcatheter Aortic Valve Replacement. American College of Cardiology 2014. Washington, DC.
2. **Mack MC**, Wise A, Downey A, Segal J, Sensenig E, Garrison J. Assessing and Improving Provider Comfort Prescribing Naloxone to Pediatric Patients at High Risk for Accidental Opioid Exposure. UPMC GME Quality and Safety Symposium 2019. Pittsburgh, PA
3. Eddens TJ, **Mack MC**, McCormick MC, Kalpatthi R. Trends in Pediatric Primary Immunodeficiency: Incidence, Healthcare Utilization, Hematopoietic Stem Cell Transplantation, and Mortality. Clinical Immunology Society 2021.
4. **Mack MC**, Allen SW, Baghai-Karmani A. Cladribine Therapy for Refractory Rosai-Dorfman-Destombes Disease with Renal Lesions. American Society of Pediatric Hematology Oncology 2022.
5. McCormick M, **Mack MC**, Xavier F. Patterns of Direct Oral Anticoagulant Use in Pediatric Patients: Results from a Multicenter National Database. American Society of Hematology 2022.
6. Bowen J, **Mack MC**, Marshall M, White J, Polak C. Identifying Gaps in Clinical Reasoning Skills in Pediatric Residents. Poster presentation at the annual UPMC Children's Hospital of Pittsburgh Rita Patel Research Conference 2022. Pittsburgh, PA. *Awarded First Prize Honor for Poster Presentations.*
7. Bowen J, **Mack MC**, Marshall M, White J, Polak C. PACRS – A Novel, Longitudinal Clinical Reasoning Curriculum for Pediatric Residents. Poster presentation at the Association of Pediatric Program Directors Spring Meeting. May 2022. San Diego, CA.
8. Bowen J, **Mack MC**, Marshall M, White J, Polak C, Thomson J. Evaluating a Longitudinal Clinical Reasoning Curriculum for Pediatric Residents. Poster presentation at the Association for Pediatric Program Directors Spring Meeting. March 2023. Atlanta, GA.
9. Bowen J, **Mack MC**, Marshall M, White J, Polak C, Thomson J. Evaluating a Longitudinal Clinical Reasoning Curriculum for Pediatric Residents. Poster presentation at the Pediatric Academic Societies annual meeting. April 2023. Washington, D.C.
10. Lucas C, **Mack M**, Miglioretti M, & Maurer S. Who is Behind the Gown?: Investigating Physical Comfort and Emotional Distress Related to Inpatient Attire Among Children with Cancer. Poster presentation at: Pediatric Academic Society Annual Meeting. April 2023. Washington, D.C.
11. Lucas C, **Mack M**, Miglioretti M, & Maurer S. Who is Behind the Gown?: Investigating Physical Comfort and Emotional Distress Related to Inpatient Attire Among Children with Cancer. Poster presented at: 12th Annual Children's Hospital Research Day. May 2023. Pittsburgh, PA.
12. Bowen J, **Mack MC**, Marshall M, White J, Polak C. Identifying Gaps in Clinical Reasoning Skills in Pediatric Residents. Abstract presented at the Rita M. Patel Leadership Conference 2023. Pittsburgh, PA.
13. **Mack MC**, Maurer S. A Novel Communication Curriculum for Pediatric Hematology/Oncology Fellows.

- Poster presentation at the Rita M. Patel Leadership Conference 2024. Pittsburgh, PA.
14. **Mack MC**, McCormick M, Mackey, S, Cooper J. Safe Administration of Rylaze in Patients with Symptomatic Hyperammonemia without Encephalopathy. American Society of Pediatric Hematology Oncology 2024.
 15. **Mack MC**, McCormick M Successful Treatment of Precursor B-cell ALL with IGH/MYC Rearrangement. American Society of Pediatric Hematology Oncology 2024.
 16. Lucas CM, **Mack MC**, Sharp EA. Down for the count: Investigation of incidental pancytopenia in a well-appearing teenage male. Pediatric Hospital Medicine 2024.
 17. **Mack MC**, Claxton RN, Arnold RM, Maurer SH. Peds OncoTalk: Communication Training for Pediatric Hematology Oncology Fellows. Annual Assembly: Hospice and Palliative Care 2025.
 18. **Mack MC**, Claxton RN, Arnold RM, Maurer SH. Peds OncoTalk: Communication Training for Pediatric Hematology Oncology Fellows. Association of Pediatric Program Directors 2025.
 19. **Mack MC**, Claxton RN, Arnold RM, Maurer SH. Peds OncoTalk: Communication Training for Pediatric Hematology Oncology Fellows. American Society of Pediatric Hematology Oncology. 2025.
 20. Khatib L, **Mack MC**, Valencia MC, Moore E, Friehling E. Case Report: Concurrent Mixed Phenotypic Acute Leukemia and T-Lymphoblastic Lymphoma in an Adolescent Male. American Society of Pediatric Hematology Oncology. 2025.
 21. Malkin HE, **Mack MC**, McLenithan A, Brown A, Maurer SM. A Quality Improvement Initiative to Increase Naloxone Prescribing and Provider Preparedness in Pediatric Palliative Care. American Academy of Pediatrics. 2026.

Book Chapters

1. **Mack M**, Gopal A. Epidemiology, traditional and novel risk factors in coronary artery disease. *Cardiol Clin*. 2014;32(3):323-332.

PROFESSIONAL ACTIVITIES

Medical Student Teaching

Microbiology Course University of Texas Medical School at Houston Houston, Texas	Teaching Assistant	2016
Hematology Course University of Pittsburgh School of Medicine Pittsburgh, PA	Small group facilitator	2022
Advanced Physical Exam Course UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	Preceptor	2022 – 2024

Resident Teaching

Zitelli Rounds UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	Coordinator	2022 – 2023
Advanced Pediatric Interviewing Course UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	Instructor	2024

PalliTalk University of Pittsburgh School of Medicine Pittsburgh, PA	Instructor	2025
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Death & Dying UPMC Children's Hospital of Pittsburgh Pittsburgh, PA	Instructor	2026
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Resident Presentations

Intern Morning Report: <i>Pneumococcal Meningitis</i>	2018
Senior Morning Report: <i>Macrophage Activation Syndrome</i>	2019
Infectious Disease Case Conference: <i>Sarcoidosis</i>	2019
Toxicology Case Conference: <i>Ibogaine</i>	2019
CORE Advocacy Morning Report: <i>Media Bias</i>	2020
Infectious Disease Case Conference: <i>Fever of Unknown Origin</i>	2020
CORE Noon Conference: <i>Mental Health Among Children and Adolescents During the COVID-19 Pandemic</i>	2020
Multidisciplinary Chairman's Rounds: <i>Vertebral Osteomyelitis caused by Bartonella henselae</i>	2020
Adolescent Case Conference: <i>von Willebrand Disease</i>	2021
Second Year Resident Retreat: <i>Applying to Fellowship, Panelist</i>	2024

Fellowship Presentations

PHO Fellow Lecture Series: <i>Pancytopenia</i>	2023
PHO Journal Club: <i>Time to Cure for Childhood and Young Adult Acute Lymphoblastic Leukemia is Independent of Early Risk Factors: Long Term Follow-Up of the UKALL2003 Trial</i>	2023
ENT Fellow Lecture Series: <i>Pediatric Cancers of the Head and Neck</i>	2024
PHO Division Research Symposium: <i>Peds OncoTalk</i>	2024
PHO Morbidity and Mortality Conference: <i>Platelet transfusions</i>	2024
PHO Division Journal Club: <i>Reducing Sedated Lumbar Punctures in Pediatric Patients with Acute Lymphoblastic Leukemia</i>	2024
Board Review for Pediatric Residents: <i>Pediatric Hematology/Oncology</i>	2025
Department of Pediatrics Health Equity Series: <i>Equitable Access to Clinical Trial Participation for Pediatric Patients with Oncologic Diagnoses</i>	2025
University of Pittsburgh Health Sciences Education Journal Club: <i>I'm Just Cross Covering</i>	2025
Pediatric Discovery Day at the UPMC Children's Hospital of Pittsburgh: <i>Peds OncoTalk</i>	2025
ENT Fellow Lecture Series: <i>Pediatric Cancers of the Head and Neck</i>	2025
Fourth Annual Dena Hofkosh Pediatric Educators Symposium: <i>Being Well While Doing Well</i>	2025
HPM Journal Club: <i>Association of inpatient and outpatient pediatric palliative care with healthcare Utilization and end-of-life outcomes in pediatric oncology</i>	2026
HPM Journal Club: <i>What do pediatric transplant physicians think about palliative care?</i>	2026
HPM Case of the Month: <i>Neurosurgical intervention as palliation: complex management of post-hypoxic myoclonus</i>	2026

Grand Rounds Presentations

HPM Grand Rounds: <i>A Quality Improvement Initiative to Increase Naloxone Prescribing and Provider Preparedness in Palliative Care</i>	2026
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Curriculum Development / Teaching and Media Products

TAVR: Everything you need to know. https://www.youtube.com/watch?v=-0CGnt7KbZE&t=1s .	2016
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The Texas Heart Institute
Houston, TX

UTHealthy Kids University of Texas Medical School at Houston Houston, TX	Director	2016 – 2017
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Sugar Show University of Pittsburgh Medical Center Pittsburgh, PA	Creator	2018
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PACRS: A Longitudinal Clinical Reasoning Curriculum for Pediatric Residents	Co-Creator	2022
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PEER REVIEW

Patient Education and Counseling	Reviewer	2025
Pediatric Blood & Cancer	Reviewer	2026

EDUCATIONAL DEVELOPMENT

Vital Talk Faculty Development	2024
Teach Like A Champion	2024

LEADERSHIP

UPMC Children's Hospital of Pittsburgh

Coordinator	Intern Boot Camp	2019 – 2020
Leader	CORE – Community Oriented Resident Education	2019 – 2020
Member	Pitt-UPMC Senior Resident & Fellow Leadership Academy	2024 – 2025

The University of Texas Medical School at Houston

Retreat Director, Volunteer	39 th Annual Henry Strobel Retreat	2015
Vice President	Pediatric Student Association	2017 – 2018

Duke University

Mentor	ACTION Leader Program for Varsity Athletes	2009 – 2011
Vice President of Finance	Pi Beta Phi Fraternity for Women	2010 – 2011

RESEARCH ACTIVITIES

Grant Support

Project Title	Source & Amount of Funding	Role in Project	Years
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A Novel Communication Curriculum for Pediatric Hematology/Oncology Fellows Primary Mentor: Scott Maurer, MD	NIH “Research Training Program for Pediatric Subspecialty Fellows” T32 HD071834 PI: Dr. Terence Dermody \$79,352.16	Post-Doctoral Scholar 80% effort	2023 – 2025
Examining Family Perceptions of Provider Communication Skills Primary Mentor: Scott Maurer, MD	Wishwa N. Kapoor Catalyst Fund. Institute of Clinical Research Education. University of Pittsburgh \$2,000	Principal Investigator	2024 – 2025

Research Activities

A Novel Communication Curriculum for Pediatric Hematology/Oncology Fellows <i>Curriculum development project with mentor Scott Maurer, MD</i>	2023 – 2025
The Experiences of Self-Advocacy in Adolescents and Young Adults with Cancer <i>Co-Investigator</i>	2023 – 2025
Examining Family Perceptions of Provider Communication Skills <i>Principal Investigator</i>	2024 – 2025
Loneliness in the Pediatric Population <i>Co-Investigator</i>	2024 – 2025
PRISM-Social Needs (PRISM-SN) Intervention for Adolescents and Young Adults with Cancer <i>Interventionist</i>	2024 – present
Descriptive study of Patients with Oncologic Diagnoses Enrolling on Phase I/II Clinical Trials <i>Co-Investigator</i>	2025 – present

Prior Grant Support

Project Title	Source & Amount of Funding	Role in Project	Years
Non-contrast 3-dimensional cardiac magnetic resonance imaging as pre-procedural guidance for transcatheter aortic valve replacements in assessing the aortic valve apparatus	Cardiovascular Research Review Committee The Heart Hospital Baylor Plano Dallas, TX	Co-Investigator	2013

Mentors: Paul Grayburn, MD Ambarish Gopal, MD	\$37,807		
A novel low-dose-contrast cardiac computed tomography method for pre-procedural guidance in transcatheter aortic valve replacement Mentors: Paul Grayburn, MD Ambarish Gopal, MD	Cardiovascular Research Review Committee The Heart Hospital Baylor Plano Dallas, TX \$26,028	Co-Investigator	2013
Improving the quality of echocardiographic imaging measurements in the diagnosis of severe aortic stenosis Mentors: Paul Grayburn, MD Ambarish Gopal, MD	Cardiovascular Research Review Committee The Heart Hospital Baylor Plano Dallas, TX \$18,074	Co-Investigator	2013
Assessment of the role of balloon aortic valvuloplasty in the management of patients with severe aortic stenosis Mentor: Molly Szerlip, MD	Cardiovascular Research Review Committee The Heart Hospital Baylor Plano Dallas, TX \$38,777	Co-Investigator	2013

Prior Research Activities

Pediatric Student Association Summer Internship
The Children's Learning Institute Houston, TX
Mentors: Dr. Susan Landry, Dr. Ursula Johnson
ENRICH Intervention for Obesity Prevention Among At-risk Toddlers

2015

Performed literature reviews and assisted with grant writing for ongoing projects. Contributed to protocol writing for the ENRICH Intervention, an integrated, culturally sensitive home-based program targeting low-income, African American and Hispanic parents to improve parenting skills for obesity prevention among toddlers. Developed a portion of the protocol to examine cost effectiveness and outcomes of healthier food choices. Local work ongoing.

Retrospective Analysis of Failure to Thrive at a Pediatric Hospital 2018 – 2020

Mentor: Dr. Elise Lu Peterson

Aim to characterize the patients admitted to Children's Hospital of Pittsburgh for Failure to Thrive (FTT), including demographics, anthropometric characteristics, and medical history. Aim to determine the etiologies of FTT in patients admitted to CHP. Aim to describe the workup performed during admission for FTT; determine the frequency, yield, and clinical significance of laboratory and imaging studies obtained during index admissions.

UPMC Children's Hospital Quality Improvement Project 2018 – 2020

Naloxone Prescriptions for Pediatric Patients at High-Risk for Accidental Opioid Ingestion

Mentor: Dr. Jessica Garrison

Developed an educational intervention using a quality improvement framework to increase the rate of naloxone prescriptions among pediatric patients admitted with accidental opioid ingestion. Created an education session for pediatric residents and pediatric hospitalists at the Children's Hospital of Pittsburgh to highlight how and when to prescribe naloxone and demonstrate administration to families. Created a patient education pamphlet that is available in the hospital EMR for direct distribution to patients and families for whom naloxone has been prescribed.

SERVICE

National

Fellow Liaison AAP Section on Hematology/Oncology – Education Subcommittee 2023 – present

Regional / UPMC Children's Hospital of Pittsburgh

Member	Residency Council	2018 – 2022
Member	CORE – Community Oriented Education Program	2018 – 2023
Member	CHP Recruitment Committee	2020 – 2022
Member	Oncology Floor Leadership Committee	2022 – 2023
Member	Residency Program Evaluation Committee	2021 – 2023
Member	Pediatric Residency Selection Committee	2022 – 2023
Member	PHO Fellowship Program Evaluation Committee	2022 – 2025
Member	American Academy of Pediatrics	2023 – 2025
Member	Education Subcommittee Section of Hematology/Oncology	
Member	HPM Fellowship Program Evaluation Committee	2026