Andrew James Prout, MD, MPH
CURRICULUM VITAE

BIOGRAPHICAL AND CONTACT INFORMATION

Primary Phone: Citizenship: USA

Business Address: 4th Floor Carls Building
3901 Beaubien St., Detroit, MI 48201

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EDUCATION

Undergraduate Education

2003-2007	**Hope College** Bachelor of Arts, Chemistry and English	Holland, MI

Graduate Education

2007-2012	**Wayne State University School of Family Medicine and Public Health** Masters in Public Health	Detroit, MI
2008-2012	**Wayne State University School of Medicine** Doctor of Medicine	Detroit, MI

Post Graduate Training

2012-2015	**University of Michigan C.S. Mott Children's Hospital** Resident- Pediatrics	Ann Arbor, MI
2015-2018	**Children's Hospital of Pittsburgh of UPMC** Fellow-Pediatric Critical Care Medicine	Pittsburgh, PA
2017-2019	**University of Pittsburgh School of Medicine** **Department of Critical Care Medicine** **Clinical Research, Investigation, and Systems Modeling of Acute Illness** T-32 Scholar	Pittsburgh, PA

PROFESSIONAL EXPERIENCE

2018-2019	Clinical Instructor Pediatric Intensive Care Unit Children's Hospital of Pittsburgh of UPMC	Pittsburgh, PA
2019-2020	Assistant Professor Pediatric Critical Care Medicine Oishei Children's Hospital and Jacobs School of Medicine and Biomedical Sciences University at Buffalo	Buffalo, NY
2020-present	Assistant Professor Pediatric Critical Care Medicine Children's Hospital of Michigan and Central Michigan University College of Medicine	Detroit, MI

CERTIFICATION & LICENSURE

Certifications

Advanced Cardiac Life Support provider (recertified 2021)
Pediatric Advanced Life Support provider (recertified 2021)
Advanced Trauma Life Support provider (certified 2015)

Specialty Certifications

American Board of Pediatrics, 2015
Pediatric Critical Care Medicine, 2018

PROFESSIONAL MEMBERSHIPS

American Academy of Pediatrics
Society for Critical Care Medicine
Pediatric Acute Lung Injury and Sepsis Investigators, Outcomes Group, Bone Marrow Transplant Group, and Critical Bronchiolitis Group

HONORS AND SCHOLARSHIPS

2001	***Eagle Scout*** Boy Scouts of America
2012	***Alpha Omega Alpha*** Wayne State University School of Medicine
2012	***Academic Achievement Award Third Year*** Wayne State University School of Medicine
2017	***T32 Scholar*** University of Pittsburgh School of Medicine
2020	***Faculty Teaching Award*** UBMD Pediatrics Residency Program

SERVICE/OUTREACH

Departmental Committees

2015-2018	Morbidity and Mortality Review Committee Children's Hospital of Pittsburgh of UPMC
2016-2018	Readmissions Review Committee Children's Hospital of Pittsburgh of UPMC
2019-2020	Severe Sepsis Quality Assurance Committee Oishei Children's Hospital
2020-present	Central-Line-Associated Bloodstream Infection Prevention Committee Children's Hospital of Michigan
2020-present	Pharmacy and Therapeutics Management Committee Children's Hospital of Michigan
2021-present	Transplant Quality Review Committee Children's Hospital of Michigan

PUBLICATIONS

Peer Reviewed Articles

Ruprich J, **Prout A**, Dickson J, Younglove B, Nolan L, Baxi K, LeBlanc R, Forrest L, Hills P, Holt H, MacKay H, Brown T, Mooberry S, Lee M. (2007). Design, Synthesis and Biological Testing of Cyclohexenone Derivatives of

Combretastatin-A-4. Letters in Drug Design & Discovery. **4**(2) 144-148.

Prout A, Talisa V, Carcillo J, Mayr F, Angus D, Chang C, Yende S. Children with chronic disease bear the highest burden of pediatric sepsis. Journal of Pediatrics 2018: Aug;199:194-199.e1.

Prout A, Talisa V, Carcillo J, Angus D, Chang C, Yende S. Epidemiology of Readmissions After Sepsis Hospitalization in Children. Hospital Pediatrics, 2019: Apr 9(4) 249-255

Prout A, Talisa V, Carcillo J, Decker B, Yende S. Bacterial and Fungal Etiology of Sepsis in Children in the United States. Crit Care Med. November 2019:1

Review Articles and Case Reports

Fischer JB, **Prout A**, Blackwood RA, Warrier K. Lemierre Syndrome Presenting as Acute Mastoiditis in a 2-Year-Old Girl with Congenital Dwarfism. Infect Dis Rep 2015 Jun 8;7(2):5922.

Prout A, Yende S. Precision medicine in sepsis. ICU Management and Practice 2017;17(1):10-12.

Prout A, Wolf M, Fink E. Translating biomarkers from research to clinical use in pediatric neurocritical care: focus on traumatic brain injury and cardiac arrest. Current Opinion in Pediatrics 2017 29(3):272-279.

Hennon T, Penque M, Abdul-Aziz R, Alibrahim O, McGreevy M, **Prout A**, Schaefer B, Ambrusko S, Pastore J, Turkovich S, Gomez-Duarte O, Hicar M. COVID-19 associated Multisystem Inflammatory Syndrome in Children (MIS-C) guidelines; a Western New York approach. Progress in Pediatric Cardiology 2020 57.

Parsrija, D, **Prout, A**; Phaltas, R; Koshel, C; Sallam, M, Alibrahim, O. Isoflurane for Near-Fatal Asthma Complicated by Malignant Hyperthermia. Critical Care Medicine: 49(1):413 January 2021 Poster presentation at Society for Critical Care Medicine 2021 Annual Congress.

Sallam, M, Parsrija, D, Phaltas, R, Koshel, C, Korumilli, R, **Prout, A**, Alibrahim, O. High-Dose Insulin for Calcium Channel Blocker Overdose in a Pediatric Patient, Critical Care Medicine: 49(1):193 January 2021 Poster presentation at Society for Critical Care Medicine 2021 Annual Congress.

Hennon TR, Yu KOA, Penque MD, Abdul-Aziz R, Chang AC, McGreevy MB, Pastore JV, **Prout AJ**, Schaefer BA, Alibrahim OS, Gomez-Duarte OG, Hicar MD. COVID-19 associated multisystem inflammatory syndrome in children (MIS-C) guidelines; revisiting the Western New York approach as the pandemic evolves. Prog Pediatr Cardiol. 2021 Jun 6:101407. Epub ahead of print.

Martone GM, Nanjireddy PM, Craig RA, **Prout AJ**, Higman MA, Kelly KM, Ambrusko SJ. Acute hepatic encephalopathy and multiorgan failure in sickle cell disease and COVID-19. Pediatr Blood Cancer. 2021 May;68(5):e28874.

Peer Reviewed Abstracts

Ruprich J, **Prout A.** (2007). Design, Synthesis and Biological Testing of Cyclohexenone Derivatives of Combretastatin-A-4. Poster presentation at the American Chemical Society annual meeting, March 2007.

Prout A, Kaye K, Marchaim D, Johnson P, Bowman H, Veltman J, Lynch Y, Schmader K, Chaudhary K, Bogan C, Asma B, Chopra T. (2010). "Epidemiology and Outcomes of Multidrug-resistant (MDR) Gram Negative Infections (GNIs) in Older Adults." Abstract presented at the American Geriatrics Society annual meeting, the Infectious Disease Society of America annual meeting, and the Michigan Epidemiology Conference 2010

Prout A, Talisa V, Mayr F, Yende S. Pediatric Sepsis and Septic Shock: Risk factors and comorbid conditions. *Critical Care Medicine* 2017 *Crit Care Med* Volume 44(12) Supplement 1, December 2016, p 409 Poster presentation at Society for Critical Care Medicine 2017 Annual Congress.

Prout A, Talisa V, Carcillo J, Chung C, Yende S. Readmissions after pediatric sepsis: A retrospective cohort analysis. *Crit Care Med* Volume 46(1) Supplement 1, January 2018, p 746 Poster presentation at Society for Critical Care Medicine Annual Congress.

Prout A, Talisa V, Carcillo J, Yende S. Infectious etiology of pediatric sepsis in the United States Critical Care Medicine. 47(1):812, January 2019. doi: 10.1097/01.ccm.0000552416.24926.43. Poster presentation at Society

for Critical Care Medicine 2019 Annual Congress.

SCHOLARLY ACTIVITY
Scholarly Presentations

“Analysis plan for national pediatric sepsis epidemiology and the association of chronic conditions with mortality.” University of Pittsburgh Critical Care Medicine Clinical Research Investigation and Systems Modeling of Acute Illness (CRISMA) Center Weekly Research Presentation 2016

“Results of national pediatric sepsis epidemiology and mortality and the role of chronic conditions.” University of Pittsburgh Critical Care Medicine Clinical Research Investigation and Systems Modeling of Acute Illness (CRISMA) Center Weekly Research Presentation 2017

“Pediatric sepsis epidemiology and the contribution of chronic disease and hospital type to outcomes.” Poster presentation at Pittsburgh Department of Critical Care Medicine Fink Scholar Day 2017

“Analysis plan for risk of readmissions after pediatric sepsis.” University of Pittsburgh Critical Care Medicine Clinical Research Investigation and Systems Modeling of Acute Illness (CRISMA) Center Weekly Research Presentation 2017

“Modeling results, sensitivity analyses, and reason for readmission after pediatric sepsis.” University of Pittsburgh Critical Care Medicine Clinical Research Investigation and Systems Modeling of Acute Illness (CRISMA) Center Weekly Research Presentation 2018

“Readmissions after pediatric sepsis.” Poster presentation at Pittsburgh Department of Critical Care Medicine Fink Scholar Day 2018

“Pediatric sepsis: Definitions and phenotypes” Pediatric Grand Rounds, UBMD Pediatrics, May 2020

“Ancillary study proposal: Role of the Persistent Pathobiome in Immune Dysregulation, Disability and Death in Pediatric Sepsis” Study Proposal for the Collaborative Pediatric Critical Care Research Network”, May 2021

Other scholarly experience
Ad hoc reviewer for JAMA, NIH, Pediatrics, Pediatric Critical Care Medicine, Swiss National Science Foundation, Society of Critical Care Medicine

Site Principal Investigator, Bronchiolitis and Co-Detection Study, Oishei Children’s Hospital
Site Co-Principal Investigator, GM-CSF for Reversal of Immunoparalysis in Sepsis, Children’s Hospital of Michigan
Site Co-Principal Investigator, Collaborative Pediatric Critical Care Research Network, Children’s Hospital of Michigan
PALISI Pediatric Critical Care Outcomes Subgroup, Co-Investigator, Scoping Review Contributor
PALISI Critical Bronchiolitis Subgroup, Site PI, Scoping Review Contributor
PALISI BMT Subgroup, Site PI

Teaching experience
2020-present: Director of resident education lectures, Children’s Hospital of Michigan
2021-present: Primary research and clinical mentorship for Critical Care Fellow Saad Feroz
2021-present: Obtained grant for Critical Care Ultrasound Course SCCM facilitated for fellow education at Children’s Hospital of Michigan

Research interests
The role of the microbiome in immune phenotype and adverse outcomes after pediatric sepsis, recurrent infections after sepsis, long-term adverse outcomes in previously healthy and chronically ill children after sepsis, mechanisms of multiple organ failure in pediatric sepsis.