**Curriculum Vitae  
Satid Thammasitboon, M.D, MHPE**

**I. General Biographical Information**

**A. Personal**

1. Satid Thammasitboon, M.D, MHPE

6651 Main Street, MC: E1420, Houston, Texas 77030

Office: 832.826.6230

Baylor College of Medicine, Houston, TX

2. Citizenship: United States

**B. Education (include institution/location, degree, and dates of attendance)**

1. Undergraduate Education

Prince of Songkla University Songkhla, Thailand

Doctor of Medicine 1989-1995 First Class Honor

2. Medical Education or Graduate Education (include thesis/dissertation title, advisor)

University of Illinois at Chicago, Chicago, IL

Department of Medical Education

Mater of Health Professions Education (MHPE),

“Cognitive Performance in Evidence-Based Medicine linked with Physician’s Knowledge Dissemination Styles”, Robert Mrtek, PhD

July 1997-June 2001

3. Postgraduate Training

Prince of Songkla University Songkhla, Thailand

Department of Pediatrics, Internship and Residency, July 1995-June 1997

University of Illinois at Chicago Chicago, IL

Department of Pediatrics, Internship and Residency, July 1997-June 2000

University of Illinois at Chicago, Chicago, IL

Department of Pediatrics, Chief Resident, July 2000-June 2001

Baylor College of Medicine, Houston, TX

Department of Pediatrics, Pediatric Critical Care Fellowship, July 2001-June 2004

**C. Academic Appointments (include title and dates of appointment)**

Current Faculty Position(s) at Baylor College of Medicine, Houston, TX

* + Associate Professor, Pediatrics (2011-Present)
  + Chair, Resident Scholarship Program (1/2013-present)
  + Co-Director, Texas Children’s Hospital Faculty College (2018-present)
  + Director, Center for Research, Innovation and Scholarship in Medical Education (4/2019- present)
  + Co-Director, Best Evidence Medical Education International Collaborating Center (4/2020-presesent)
  + Advisory Board, Global Health Scholarship Community of Practice, Baylor International Pediatric AIDS Initiative (10/2020-present)

1. Previous Faculty Position(s) at BCM

* Associate Fellowship Director for Education (7/2011-6/2014)
* Associate Fellowship Director for Critical Care Scholars Program (7/014-9/2016)
* CRIS Scholar, Center for Research, Innovation and Scholarship in Medical Education
* (3/2013-9/2015)
* Associate Director, Center for Research, Innovation and Scholarship in Medical Education (10/2015-4/2019)

1. Previous Faculty Position(s) at Other Institutions

* Associate Professor, Intensive Care Service
* Associate Residency Director (July 2006- March 2011)

Department of Pediatrics (July 2004-March 2011)

West Virginia University, Morgantown, WV

**D. Other Advanced Training/Experience (include locations, dates and sources of support)**

1. Formal Sabbatical Leave: NA

2. Other Specialized Training Following Academic Appointment

* + Implementation Research: Using Qualitative Research Methods to Improve Policy and Practice, Odum Institute for Research in Social Science, July 2021
  + Coding and Analyzing Qualitative Data, Odum Institute for Research in Social Science, August 2021
  + Practical Skills for Reviewing Evidence in Health Professions Education (PASREV), February 2020
  + Research Advanced Skills in Medical Education (RASME) Course, August 2018
  + Qualitative and Mixed Methods Research, Chapel Hill, North Carolina, August 2019
  + Leading innovations in Health Care and Education, Harvard Macy Program, Harvard Medical School, Boston, MA, June 2014
  + American Academy of Pediatrics Leadership Alliance Course, Baylor College of Medicine, Houston, TX, September 2012
  + Pediatric Fundamentals of Critical Care Support Instructor
  + Clinical Simulation Certified Instructor, Baylor College of Medicine, Houston, TX
  + PALS Certified Instructor (Pediatric Advanced Life Support), Baylor College of Medicine, Houston, TX

**E. Other Information**

1. Honors or Awards (titles, dates)

* Best Poster Abstract Presentation, Pediatric Academic Societies’ 2019 Annual Meeting, Simulation Special Interest Group, Benjamin J, Kumar S, **Thammasitboon S**, “Improving Resident Self-Efficacy in Managing Tracheostomy Related Emergencies Utilizing a Blended Curriculum with Simulation”
* Innovations in Fellowship Education Award, American Thoracic Society 2019 American Thoracic Society International Conference, Brown K, Castro D, **Thammasitboon S**, “Innovating a Mastery Learning Program for Point-of-Care Ultrasound Using the Design-Based Research Model”
* The Texas Children’s Hospital’s 2019 Annual Education Retreat Outstanding Platform Presentation, Sur M, Krishnamurthy P, **Thammasitboon S**. “The Development of a Theory-Informed Assessment of Reasoning Tool”
* The Texas Children’s Hospital’s 2019 Annual Education Retreat Outstanding Platform Presentation, Brown K, Riley A, **Thammasitboon S**. “An Application of the Design-Based Research Model to Create a Mastery Learning Module for Focused Cardiac Ultrasound”
* The 14th Annual BCM Academy of Distinguished Educators Showcase of Educational Scholarship Recognition Award, September 2018, **Thammasitboon S**, Sur M, Krishnamurthy P. “The Development of a Theory-Informed Assessment of Reasoning Tool”
* The 14th Annual BCM Academy of Distinguished Educators Showcase of Educational Scholarship Recognition Award, September 2018, Brown K, Riley A, Alade K, Adler A, **Thammasitboon S.** “An Application of the Design-Based Research Model to Create a Mastery Learning Module for Focused Cardiac Ultrasound”
* The Texas Educators Academies Collaborative for Health Professions Best Poster, May 2018. Burns, A, Tuner T, Ward M, **Thammasitboon S.** “Grounding Pediatric-Scientist Development in Professional Identity Formation”
* The 12th Annual BCM Academy of Distinguished Educators Showcase of Educational Scholarship Recognition Award, September 2016, Chartan C, Singh H, **Thammasitboon S.** “The iRED Project”
* The 12th Annual BCM Academy of Distinguished Educators Showcase of Educational Scholarship Recognition Award, September 2016, Rissmiller B, Turner T, **Thammasitboon S**. “The Cognitive Boot Camp Project”
* Innovations in Fellowship Education Award, American Thoracic Society 2016 American Thoracic Society International Conference, Castro D, **Thammasitboon S**, Tcharmtchi MH, “The Inter-professional Curriculum for Critical Care Fellowship Program”
* Baylor Pediatric Award for Achievement in Educational Innovation, July 2013-June 2014, **Thammasitboon S.** “The Resident Scholarship Program”
* The 10th Annual BCM Academy of Distinguished Educators Showcase of Educational Scholarship Recognition Award, September 2014, **Thammasitboon S**, Darby J, Balmer D. “The Resident Scholarship Program”
* Innovations in Fellowship Education Award, American Thoracic Society 2014 Annual Meeting, Castro D, **Thammasitboon S**. “The Critical Care Boot Camp”
* The 7th Annual BCM Academy of Distinguished Educators Showcase of Educational Scholarship Recognition Award, September 2011, **Thammasitboon S**. Sur Moushumi, Tcharmtchi M, Turner T. “The Multisource Feedback Project”

2. Board Eligibility/Certification

* Board-Certified in Pediatric Critical Care Medicine, October 2006-present
* Board-Certified in General Pediatrics, American Board of Pediatrics, October 2000-present

3. Other Non-academic Positions (include locations, titles, and dates of employment): NA

**II. Research Information**

**A. Research Support**

**ACTIVE RESEARCH SUPPORT**

1. “Developing the National Fellow Core Curriculum”, Texas Children’s Hospital Educational Scholarship Award 2017, Co-PI ($40,000)

**COMPLETED RESEARCH SUPPORT**

1. “Assessment of Reasoning Tool Validation”, Texas Children’s Hospital Educational Scholarship Award, 2016, Collaborator/Mentor ($15,000)
2. “Moral Distress Inventory”, Texas Children’s Hospital Educational Scholarship Awards 2015, Collaborator/Mentor ($15,000)
3. “Special Isolation Unit Training Using Self-Efficacy as a Framework”, Texas Children’s Hospital Educational Scholarship Awards 2015, Collaborator/Mentor ($40,000)
4. “Resident Learning in Emergencies” Texas Children’s Hospital Educational Scholarship Awards, 2015, Collaborator/Mentor ($15,000)
5. “Resident Scholarship Program” Texas Children’s Hospital Education Scholarship Award 2014, PI ($40,000)
6. “Cognitive Boot Camp” Fulbright & Jaworski Educational Fund of the Academy of Distinguished Educators 2014, Collaborator/Mentor ($5,000)
7. “The Sepsis Management Project in Monterey, Mexico”, Baylor College of Medicine Advancing Clinical Excellence Grant 2013, Collaborator/Mentor, ($5,000)
8. “The Sepsis Management Project in Monterey, Mexico”, American Academy of Pediatrics, Section on Critical Care Grant 2013, Collaborator/Mentor ($3,500)
9. “The Novel Relative Ranking Feedback”, Texas Children’s Hospital Educational Project Scholarship Awards 2012, PI ($15,000)
10. “Assessing Quality of Feedback” Texas Children’s Hospital Educational Project Scholarship Awards 2012, Co-PI ($15,000)

**B. National Scientific and Professional Participation**

1. Editorial Contributions (e.g., Journal Editorial Boards, Editor roles, Ad Hoc Reviewer)
   * Best Evidence Medical Education Collaboration Review Committee 2021-present
   * Editor role: Diagnosis, Associate Editor, February 2020-present
   * Ad Hoc Reviewer: British Medical Journal, International Journal of Healthcare Quality, Academic Pediatrics, Diagnosis, Medical Teacher, Pediatric Critical Care Medicine, Perspective on Medical Education, PLOS ONE
   * Appraisal Committee for Directory and Repository of Educational Assessment Measures (DREAM), Association of American Medical College, 2013-
   * Reviewer for MedEdPORTAL, Association of American Medical College, 2008-present
   * Co-editor, Pediatric Critical Care Medicine Evidence-Based Journal Club, Society of Critical Care Medicine (Pedsccm.org), 2004-2018
2. Review Panels and Selection Committees (e.g., NIH Study Sections, Review Panels)

* Academic Pediatrics Association National Teaching Awards 2020
* Texas Children’s Hospital Educational Scholarship Awards, 2016-2020

1. Professional Societies, etc.

* Board member, Best Evidence Medical Education Collaboration, 2021-present
* Mentor, National Mentoring Program (Guardians), Society of Critical Care Medicine, 2020-present
* National Advisor, Academic Pediatric Association’s Educational Scholars Program, 2018-present
* Leadership Committee member, National Physician Scientist Collaborative Workgroup, 2018-present
* Chair, Assessment Subcommittee, Society to Improve Diagnosis, 2015-2019
* Pediatrics Project Leader, Curriculum Subcommittee, Society to Improve Diagnosis, 2015
* Member, Education Committee, Society to Improve Diagnosis, 2012-present
* Faculty Development Taskforce Committee, Association of Pediatric Program Directors, 2015-2017
* Research Taskforce Committee, Association of Pediatric Program Directors, 2008-2010
* Center for Organ Recovery and Education (CORE) – Advisory Board of Directors Committee, 2007-2011

1. Elected Positions: NA
2. Invited Lectures, Presentations, Research Seminars

Invited Lectures

1. International

* Program Evaluation: Moving from Tick-Box Systems to Educational Quality as Transformation, Association of Medical Education in Europe (AMEE) Annual Congress, August 28, 2021.
* Transforming a Curriculum through Creation of a Virtual “Community of Inquiry” to Optimise Learning, Association of Medical Education in Europe (AMEE) Annual Congress, August 28, 2021.
* Diagnosing Individuals' Job Characteristics: Identifying the Driving Forces for Job Crafting and Enrichment, 6th International Faculty Development Conference, August 27, 2021.
* Toward an Integrative View of MIS-C and COVID-19 Management: Evidence, Experience and Expertise, Thai Society of Critical Care Conference (Virtual), May 29, 2021.
* Teaching and Assessing Clinical Reasoning through "Learning Conversations", Faculty Development (Virtual) Ramathibodhi Hospital, Mahidol University, Bangkok, Thailand, May 19, 2021.
* Creating "Antifragile" Teams to Enrich Academic Productivity in Today’s Volatile, Uncertain, Complex and Ambiguous World, 2020 International Symposium of Medical Education (Virtual), Taipei Veterans General Hospital, Taipei, Taiwan, October 13, 2020.
* Contemporary Models that Guide Leadership Practice, 2020 International Symposium of Medical Education (Virtual), Taipei Veterans General Hospital, Taipei, Taiwan, October 10, 2020.
* The Virtual Deliberate Practice Module, The Faculty Development (Virtual), Khonkean University, Thailand, August 19, 2020.
* A Practical Guide to Innovations: Using Human-Centered Design to Address Complex Problems in Medical Education, International Conference on Residency Education (Virtual), Ottawa Canada, November 18, 2020.
* A Practical Approach to Creating Novel Solutions to Solve "Wicked Problems" in Health Professions Education, 10th Congress of the World Federation of Pediatric Intensive and Critical Care Societies (Virtual), June 16, 2020.
  + How an Agile, Cross-Functioning Consultant Service for Health Profession Educators in a Large Academic Institution Can Lead to Faculty and Learner Success, Association of Medical Education in Europe (AMEE) Annual Congress (Virtual), August 27, 2020.
  + International Experiences: Challenges in Undergraduate Medical Education during the COVID-19 Outbreak, The Virtual Faculty Development (Collaborative Webinar: Japan, Netherlands, Thailand, UK, US), April 15, 2020.
* Teaching and Assessing Clinical Reasoning Symposium (Chair), Prince of Songkla University, Hat Yai, Thailand, February 7, 2020
* The 2019 International Medical Education Forum: Clinical Reasoning Symposium (Chair), Khonkean University, Khonkean, Thailand, November 4-5, 2019.
* “What’s your hypothesis? Dethroning experimental research methods in the design of medical education innovations”, Association of Medical Education in Europe (AMEE) Annual Congress, Vienna, Austria, August 27, 2019.
* Coaching Learners Towards Formulating Professional Identity, International Conference on Residency Education Annual Meeting, Ottawa, CA, September 26, 2019
* Teaching and Assessing Diagnostic Reasoning: Opening the “Black Box”, Royal College’s International Conference on Residency Education, Ottawa, Canada, September 26, 2019.
* What’s your hypothesis? Dethroning experimental research methods in the design of medical education innovations, the 2019 International Conference on Faculty Development in the Health Professions. Ottawa, Canada, September 25, 2019.
* Implementing a Successful Educational Consultation Service: Tips for Success, the 2019 International Conference on Faculty Development in the Health Professions. Ottawa, Canada, September 24, 2019.
* “Transforming Academic Tasks to Scholarship: The Scholar's “Boot Camp”, Association of Medical Education in Europe (AMEE) Annual Congress, Helsinki, Finland, August 27, 2017.
* “Enhancing Difficult Communication in a High Stakes Environment”. Association of Medical Education in Europe (AMEE) Annual Congress, Barcelona, Spain, September 26, 2016.
* “Synergistic Integration of Contemporary Educational Models to Enhance Faculty and Program Development” International Pediatric Simulation, Glasgow, May 10, 2016.
* “Pediatrics and Child Health”, Session Chair at the BIT’s 4th Annual Global Health Conference, Kaohsiung, Taiwan, November 19, 2016.
* “Modeling Expert Thinking: A Key to Superior Diagnostic Reasoning”, The BIT’s 4th Annual Global Health Conference, Kaohsiung, Taiwan, November 19, 2016.
* “The Art and Sciences of Expert Thinking” The Key to Superior Diagnostic Decision-Making. The 3rd Global Congress for Consensus in Pediatrics & Child Health, Bangkok, Thailand, February 14, 2014
* “Cardiopulmonary Interaction: How Principles Become Practices” The First Asia-Pacific Congress of Pediatric Cardiology and Cardiac Surgery, Bangkok, Thailand, November 3, 2006.

1. National
   * Building Better Curriculum Webinar: Clinical and Diagnostic Reasoning, Association of American Medical College, September 8, 2021.
   * Quality Conceptualizations in Program Evaluation, Education Collaboratory, Children’s Hospital Philadelphia, September 16, 2021.
   * Practical Skills for Reviewing Evidence in Health Professions Education (Virtual Course), April 15-16, 2021.
   * Developing Leaders: Fostering Social Justice Through Professional Identity Formation Growth Through Employing Teamwork Social Justice Academy of Professionalism in Healthcare, New Orleans, LA, May 15, 2019.
   * Teaching Diagnostic Reasoning using an Assessment for Learning Tool- A Train-the-Trainer Session, Council of Medical Student Education in Pediatrics’ 2019 Annual Meeting, St. Petersburg, FL, March 22, 2019.
   * Fixing the Leaky Pipeline: Identifying Best Practices for Physician-Scientist Training During Residency, Pediatric Academic Societies’ 2019 Annual Meeting, Baltimore, April 28, 2018.
   * A Scholar Boot Camp: The Scholar’s Boot Camp: Setting a Compass for Success in Educational Scholarship, Pediatric Academic Societies’ 2018 Annual Meeting, Toronto, Canada, May 6, 2018.
   * “A Scholar Boot Camp: Transforming Academic Tasks into Scholarly Activities” Pediatric Academic Societies’ 2017 Annual Meeting. San Francisco, CA, May 9, 2017
   * “Reframing Career for Academic Success: Aligning Identity and Scholarly Activity” Association of Pediatric Program Directors, 2017 Annual Meeting, April 8, 2016
   * “Reframing Career for Academic Success: Aligning Identity and Scholarly Activity” Pediatric Academic Societies’ 2016 Annual Meeting. Baltimore, MD, May 1, 2016
   * “Cognitive Boot Camp: Modeling Expert Thinking: A Key to Superior Clinical Reasoning and Decision-Making in Daily Practices”, Association of Pediatric Program Directors, 2016 Annual Meeting, New Orleans, LA, April 3, 2011. 2016.
   * “Assessment and Faculty Development Taskforces Joint Symposium” Association of Pediatric Program Directors, 2016 Annual Meeting, New Orleans, LA, April 3, 2011. 2016.
   * “Synergistic Integration of Contemporary Educational Models to Enhance Faculty and Program Development” International Meeting on Simulation in Healthcare, San Diego, January 12, 2016.
   * “Reframing Career for Academic Success: Aligning Identity and Scholarly Activity” Pediatric Academic Societies’ 2015 Annual Meeting. Vancouver. April 27, 2015
   * “Simulation Strategies to Detect and Prevent Moral Distress among Resuscitation Team Providers” International Meeting on Simulation in Healthcare, New Orleans, January 13, 2015.
   * “Synergistic Integration of Contemporary Educational Models to Optimize Learning in Simulations” International Meeting on Simulation in Healthcare, New Orleans, January 12, 2015.
   * “Teaching Educator the Science of Diagnostic Errors” Diagnostic Errors in Medicine 7th International Conference, Society to Improve Diagnosis in Medicine, Atlanta, GA, September 14th, 2014.
   * “Perfect Practice Makes Perfect: Utilizing Deliberate Practice to Improve Knowledge and Skill Acquisition” 2014 International Association of Medical Science Educators Annual Meeting, Nashville, TN, June 8, 2014.
   * “Coaching Learners the Art and Science of Expert Thinking” Faculty Development session, Texas Chiropractic College, Pasadena, TX, May 12, 2014.
   * “Modeling Expert Thinking” The National Educator Conference, Houston”, TX, February 7, 2014.
   * “Perfect Practice Makes Perfect: Utilizing Deliberate Practice to Improve Knowledge and Skill Acquisition” Council on Medical Student Education in Pediatrics, 2014 Annual Meeting, Ottawa, Canada, March 28, 2014.
   * “Stump the Professor” Case session. Diagnostic Errors in Medicine 6th International Conference, Society of Medical Decision Making, Chicago, IL, September 22, 2013.
   * “Deliberate Practice: Integrating Evidence-Based Strategies to Optimize Clinical Learning” Pediatric Academic Societies’ 2013 Annual Meeting, Washington, DC. May 6, 2013
   * “Modeling Expert Thinking: A Key to Superior Clinical Reasoning and Decision-Making in Daily Practices”, Pediatric Academic Societies’2012 Annual Meeting, Boston, MA, April 29, 2012.
   * “Teaching Clinical Reasoning”, A collaborative meeting between the APA Medical Student Education Special Interest Group, APPD, APA and COMSEP, PAS 2012 Annual Meeting, Boston, April 28, 2012.
   * “Teaching Learners the Secrets of Expert Thinking”, Council of Medical Student Education in Pediatrics Annual Meeting, March 24, 2012.
   * “Stump the Professor” Case session. Diagnostic Errors in Medicine 4th International Conference, Society of Medical Decision Making, Chicago, IL, October 24, 2011.
   * “Teaching Learners How to Think, Feel and Reflect: The Keys to Developing Professional Competencies” SGEA 2011 Annual Meeting, Houston, TX, April 16, 2011.
   * “Teaching Learners How to Think, Feel and Reflect: The Keys to Developing Professional Competencies” Association of Pediatric Program Directors, 2009 Annual Meeting, Miami, FL, April 3, 2011.
   * “Deliberate Practice and Master Coaching: Guide Learners on The Journey from Novice Toward Expertise” Association of Pediatric Program Directors, 2009 Annual Meeting, Miami, FL, March31, 2011.
   * “Deliberate Practice and Master Coaching: Guide Learners on The Journey from Novice Toward Expertise” Council on Medical Student Education in Pediatrics, 2010 Annual Meeting, La Jolla, CA, March 3, 2011.
   * “Teaching Doctors How to “Think”: Reducing Cognitive Errors in Daily Practice” Pediatric Academic Societies’ 2010 Annual Meeting. Vancouver. May 3, 2010.
   * “Leading from the Middle: Leadership Skills for Clinical Educators” Pediatric Academic Societies’ 2010 Annual Meeting. Vancouver. May 3, 2010.
   * “Teaching Doctors How to “Think”: Reducing Cognitive Errors in Daily Practice” Association of Pediatric Program Directors, 2009 Annual Meeting, Chicago, IL, April 17, 2010.
   * **“**Curriculum Task Force: Interactive Symposium of Curricular Tools for Communication Skills**”** The Association of Pediatric Program Directors 2010 Annual Meeting, Chicago, IL, April 17, 2010.
   * “ Teaching Learners How to Think, Feel and Reflect: The Keys to Developing Professional Competencies” Council on Medical Student Education in Pediatrics, 2010 Annual Meeting, Albuquerque, NM, March 26, 2010.
   * “The Secrets of Expert Thinking” Pediatric Grand Rounds, University of Illinois at Chicago, Chicago, IL, June 12, 2009.
   * “Leading from the Top, Middle and the Bottom” Association of American Medical Colleges 2009 Annual meeting, Boston, MA, November 11, 2009.
   * “Teaching Doctors How to “Think”: Reducing Cognitive Errors in Daily Practice” Pediatric Academic Societies’ 2009 Annual Meeting. Baltimore, MD. May 2, 2009.
   * “Managing from the Middle: Improving Leadership Skills for Associate Program Directors” Association of Pediatric Program Directors, 2009 Annual Meeting, Baltimore, MD., May 1, 2009.
   * “Clinical Expertise: Intuition and Metacognition” Pediatric Grand Rounds, Scott & White Hospital for Children, Texas A&M Medical School, October 1, 2008.
   * “An Innovative 360° Competency Assessment” The MidAmerica Program Director Fall Meeting, Columbus, OH, October 19, 2008.
   * **“**Curriculum Task Force: Interactive Symposium of Curricular Tools for Practice Based Learning and Improvement”, The Association of Pediatric Program Directors 2007 Annual Meeting, Toronto, Canada, May 3, 2007.
   * “Teaching Pediatric Residents to Minimize Diagnostic Errors Using Cognitive Forcing Strategies.” The MidAmerica Program Director Fall Meeting, Columbus, OH, October 20, 2006.
2. Regional
   * “Diagnostic Errors: Cognitive and System Strategies to Minimize Them”, 2013 Texas Pediatric Society Annual Meeting, Galveston, TX, September 21, 2013

**C. Publications (provide complete citation for each item listed; indicate whether each publication resulted from work done at BCM or elsewhere)**

1. Full Papers in Peer Review Journals

a. Published

1. Simulation-Based Assessment of Care for Infant Cardiogenic Shock in the Emergency Department. Nursing in Critical Care (in presss)
2. Thomas TA, Davis FD, Kumar S, (Co-Senior Authors: **Thammasitboon S**, Rushton CH). COVID-19 and Moral Distress: A Pediatric Critical Care Survey. Am J Crit Care. 2021 Aug 19:e1-e19. doi: 10.4037/ajcc2021999. Epub ahead of print. PMID: 34409428.
3. Burns AM, Moore DJ, Forster CS, Powell W, **Thammasitboon S**, Hostetter MK, Weiss P, Boyer D, Ward MA, Blankenburg R, Heyman MB, Rassbach CE, McPhillips H, French A, Nguyen S, Byrne BJ, Parsons DW, Gonzalez F, Nowalk AJ, Ho J, Kumar S, Orange JS, Ackerman KG. Physician-Scientist Training & Programming in Pediatric Residency Programs: A National Survey. J Pediatr. 2021 Jul 16:S0022-3476(21)00679-X. doi: 10.1016/j.jpeds.2021.07.014. Epub ahead of print. PMID: 34280401.
4. **Thammasitboon, S**, Brand, P.L.P. The Physiology of Learning: Strategies Clinical Teachers can Adopt to Facilitate Learning. *Eur J Pediatr*. 2021 Mar 29. doi: 10.1007/s00431-021-04054-7. Epub ahead of print. PMID: 33782760.
5. Daniel M, Gordon M, Patricio M, Hider A, Pawlik C, Bhagdev R, Ahmad S, Alston S, Park S, Pawlikowska T, Rees E, Doyle AJ, Pammi M, **Thammasitboon S**, Haas M, Peterson W, Lew M, Khamees D, Spadafore M, Clarke N, Stojan J. An update on developments in medical education in response to the COVID-19 pandemic: A BEME scoping review: BEME Guide No. 64. Med Teach. 2021 Jan 26; 1-52. PMID: 33496628
6. Brown KA, Riley AF, Alade KH, Kyle WB, Castro D, Tcharmtchi MH, **Thammasitboon S.** A Novel Tool for Teaching Cardiac Point-of-Care Ultrasound: An Exploratory Application of the Design-Based Research Approach. Pediatr Crit Care Med. 2020 12; 21(12):e1113-e1118. PMID: 32701750.
7. **Thammasitboon S**, Sur M, Rencic JJ, Dhaliwal G, Kumar S, Sundaram S, Krishnamurthy P. Psychometric Validation of the Reconstructed Version of the Assessment of Reasoning Tool. Med Teach. 2020 Oct 17; 1-6. PMID: 33073665.
8. Benjamin, J, Roy, K, Paul, G, Kumar, S, Charles, E, Miller, E, Narsi-Prasla, H, Mahan, J, **Thammasitboon, S**. Improving Self-Efficacy in Tracheostomy Management Using a Novel Curriculum. MedEdPORTAL, 2020-11-03, Vol.16, p.11010-11010. PMID: 33204834.
9. Petrescu MS, Stalmeijer RE, Rethans JJ, **Thammasitboon S**. Learning in Pediatric Emergency Situations: A Qualitative Study of Residents' Perspectives. Pediatr Crit Care Med. 2020 10; 21(10):886-892. PMID: 32541377.
10. Gordon M, Patricio M, Horne L, Muston A, Alston SR, Pammi M, **Thammasitboon S**, Park S, Pawlikowska T, Rees EL, Doyle AJ, Daniel M. Developments in Medical Education in Response to the COVID-19 Pandemic: A Rapid BEME Systematic Review: BEME Guide No. 63. Med Teach. 2020 11; 42(11):1202-1215. PMID: 32847456.
11. Cohen A, Sur M, Weisse M, Moffett K, Lancaster J, Saggio R, Singhal G, **Thammasitboon S.** Teaching Diagnostic Reasoning to Faculty Using an Assessment for Learning Tool: Training the Trainer. MedEdPORTAL. 2020 08 21; 16:10938. PMID: 32875089.
12. Welch CE, Carbajal MM, Kumar S, **Thammasitboon S.** Development and Validation of a Theory-Informed Group Learning Environment Assessment Tool for Graduate Medical Education Programs. J Grad Med Educ. 2020 Aug; 12(4):447-454. PMID: 32879685.
13. Jain PN, Jones MB, **Thammasitboon S**. Envisioning Distinctive Professional Identity for Critical Care Advanced Practice Providers: Fostering Integrative Transformation Beyond Orientation. Pediatr Crit Care Med. 2020 08; 21(8):e581-e583. PMID: 32453923.
14. Burns AM, Ackerman KG, **Thammasitboon** S, Rassbach CE, Ward MA, Blankenburg RL, Forster CS, McPhillips HA, Wenger TL, Powell WT, Heyman MB, Hogarty MD, Boyer D, Hostetter M, Weiss P, Nguyen ST, Parsons DW, Moore DJ, Byrne BJ, French AR, Orange JS. Fixing the Leaky Pipeline: Identifying Solutions for Improving Pediatrician-Scientist Training during Pediatric Residency. Pediatr Res. 2020 08; 88(2):163-167. PMID: 32179872.
15. Bavare AC, Thomas JK, Gurganious LM, Afonso N, Thomas TA, **Thammasitboon S.** Fostering Self-Determination of Bedside Providers to Promote Active Participation in Rapid Response Events. Med Educ Online. 2019 Dec; 24(1):1551028. PMID: 30499381.
16. Rissmiller B, Castro D, Minard CG, Sur M, Roy K, Turner T, **Thammasitboon S.** The Diagnostic Expertise Acceleration Module (DEAM): Promoting the Formation of Organized Knowledge. Med Educ Online. 2019 Dec; 24(1):1679945. PMID: 31640483.
17. Chartan C, Singh H, Krishnamurthy P, Sur M, Meyer A, Lutfi R, Stark J, **Thammasitboon S**. Isolating Red Flags to Enhance Diagnosis (I-RED): An Experimental Vignette study. Int J Qual Health Care. 2019 Oct 31; 31(8):G97-G102. PMID: 31665303.
18. Adler AC, Brown KA, Conlin FT, **Thammasitboon S**, Chandrakantan A. Cardiac and Lung Point-of-Care Ultrasound in Pediatric Anesthesia and Critical Care Medicine: Uses, Pitfalls, and Future Directions to Optimize Pediatric Care. Paediatr Anaesth. 2019 08; 29(8):790-798. PMID: 31211472.
19. Vaewpanich J, Akcan-Arikan A, Coss-Bu JA, Kennedy CE, Starke JR, **Thammasitboon S**. Fluid Overload and Kidney Injury Score as a Predictor for Ventilator-Associated Events. Front Pediatr. 2019; 7:204. PMID: 31192174.
20. Burns AM, **Thammasitboon S**, Ward MA, Kline MW, Raphael JL, Turner TL, Orange JS. Implementation of a Novel Curriculum and Fostering Professional Identity Formation of Pediatrician-Scientists. J Pediatr. 2019 02; 205:5-7.e1. PMID: 30684987.
21. **Thammasitboon S**, Rencic JJ, Trowbridge RL, Olson APJ, Sur M, Dhaliwal G. The Assessment of Reasoning Tool (ART): Structuring the Conversation Between Teachers and Learners. Diagnosis (Berl). 2018 11 27; 5(4):197-203. PMID: 30407911.
22. Hooli S, Colbourn T, Lufesi N, Costello A, Nambiar B, **Thammasitboon S**, Makwenda C, Mwansambo C, McCollum ED, King C. Correction: Predicting Hospitalised Paediatric Pneumonia Mortality Risk: An External Validation of RISC and mRISC, and Local Tool Development (RISC-Malawi) from Malawi. PLoS One. 2018; 13(2):e0193557. PMID: 29470524.
23. Guess R, Vaewpanich J, Coss-Bu JA, Phongjitsiri S, Kennedy C, Starke J, **Thammasitboon S**. Risk Factors for Ventilator-Associated Events in a PICU. Pediatr Crit Care Med. 2018 01; 19(1):e7-e13. PMID: 29140969.
24. **Thammasitboon S**, B. Lee Ligon, Geeta Singhal, et al. Creating a Medical Education Enterprise: Leveling the Playing Fields of Medical Education vs. Medical Science Research within Core Missions, Med Educ Online 2017,22:1, 1377038. PMID: 28927348
25. Davalos MC, Samuels K, Meyer AN, **Thammasitboon S**, Sur M, Roy K, Al-Mutairi A, Singh H. Finding Diagnostic Errors in Children Admitted to the PICU. Pediatr Crit Care Med. 2017 Mar; 18(3):265-271. PMID: 28125548.
26. Thomas TA, **Thammasitboon S**, McCullough LB. A Qualitative Study Exploring Moral Distress Among Pediatric Resuscitation Team Clinicians: Challenges to Professional Integrity. Pediatr Crit Care Med 2016;17: e303-8.
27. Castro D, Tcharmtchi MH, **Thammasitboon S**. A Practical Application of Educational Theories in Developing a Boot Camp Program for Pediatric Critical Care Fellows. Acad Pediatr. 2016 Nov - Dec; 16(8):707-711. PMID: 27772694.
28. **Thammasitboon S**, Darby JB, Hair AB, Rose KM, Ward MA, Turner TL, Balmer DF. A Theory-informed, process-oriented Resident Scholarship Program. Med Educ Online. 2016; 21:31021. PMID: 27306995.
29. Miller JO, **Thammasitboon S**, Hsu DC, Shah MI, Minard CG, Graf JM. Continuing Medical Education for Air Medical Providers: The Successes and Challenges. Pediatr Emerg Care. 2016 Feb; 32(2):87-92. PMID: 26841111.
30. Phongjitsiri S, Coss-Bu J, Kennedy C, Silva J, Starke J, Graf J, **Thammasitboon S**. The Centers for Disease Control and Prevention's New Definitions for Complications of Mechanical Ventilation Shift the Focus of Quality Surveillance and Predict Clinical Outcomes in a PICU. Crit Care Med. 2015 Nov; 43(11):2446-51. PMID: 26468698.
31. Hilvers PS, **Thammasitboon S**. Does ICU structure impact patient outcomes after congenital heart surgery? A critical appraisal of "care models and associated outcomes in congenital heart surgery" by Burstein et al (Pediatrics 2011; 127: e1482-e1489). Pediatr Crit Care Med. 2014 Jan; 15(1):77-81. PMID: 24196007.
32. **Thammasitboon S**, Thammasitboon S, Singhal G. Diagnosing diagnostic error. Curr Probl Pediatr Adolesc Health Care. 2013 Oct; 43(9):227-31. PMID: 24070579.
33. **Thammasitboon S**, Cutrer WB. Diagnostic decision-making and strategies to improve diagnosis. Curr Probl Pediatr Adolesc Health Care. 2013 Oct; 43(9):232-41. PMID: 24070580.
34. **Thammasitboon S**, Thammasitboon S, Singhal G. System-related factors contributing to diagnostic errors. Curr Probl Pediatr Adolesc Health Care. 2013 Oct; 43(9):242-7. PMID: 24070581.
35. Cutrer WB, **Thammasitboon S**. Team mental model creation as a mechanism to decrease errors in the intensive care unit. Pediatr Crit Care Med. 2012 May; 13(3):354-6. PMID: 22561263.
36. **Thammasitboon S**, Gustafson R, Rosen D, et al. An institutional experience with epidural analgesia in children and young adults undergoing cardiac surgery. Pediatric Anesthesia. 2010; 20(8): 720-726.
37. **Thammasitboon S**, M. Mariscalco M, Mrtek, R.G. Exploring Individual Opinions of Potential Evaluators in a 360-Degree Assessment: Four Distinct Viewpoints of a “Competent” Resident. Teach Learn Med. 2008; 20(4): 314­322.
38. Cottrell S, **Thammasitboon S**, Cannarella R, Jacques M, and Shumway J**.** The Relationship between the Educational Process and Students’ Confidence. Clinical Teacher. 2008; 5: 226-231.
39. Weber M, **Thammasitboon S**. A critical appraisal of a diagnostic article: Mentec, H. Blind and bronchoscopic sampling methods in suspected ventilator-associated pneumonia. A multicentre prospective study. Intensive Care Med. 2004; 30-1319-1326. Pediatr Crit Care Med. 2007:8(3): 1-4.
40. Weber M, **Thammasitboon S**. Acute Discontinuation Syndrome from Dexmetdetomidine after Protracted Use in a Pediatric Patient. Pediatric Anesthesia. 2007; 18(1): 87-88.
41. **Thammasitboon S**. A critical appraisal of a systematic review: Sokol J, Jacob SE, Bohn D: Inhaled nitric oxide for acute hypoxemic respiratory failure in children and adults. Cochrane Database Syst Rev 2003 (1): CD002787. Pediatr Crit Care Med. 2005 May; 6(3):340-3.

b. Accepted/In Press

2. Internet Publications: Peer Reviewed

1. Maheshwari S, Jain P, Ligon B, **Thammasitboon S**, 2021, Twelve Tips for Creating and Supporting a Meaningful Asynchronous Learning as Parts of Virtual Transition of a Curriculum, *MedEdPublish*, 10, [1], 111, https://doi.org/10.15694/mep.2021.000111.1
2. Jones E, Spielberg D, Duryea T, Sisley S, **Thammasitboon S**. 2021, 'Zooming in on Opportunity: Transitioning to a Virtual Resident Scholarship Day During COVID-19', *MedEdPublish,* 10, [1], 73, https://doi.org/10.15694/mep.2021.000073.1
3. Ligon B, Burns A, **Thammasitboon S**, 2021, 'Creating a 'Community of Inquiry': A Framework for Optimizing the Virtual Education Experience', MedEdPublish, 10, [1], 71, https://doi.org/10.15694/mep.2021.000071.1
4. Ligon B, Weinstein R, **Thammasitboon S**, Developing a Writing Workshop for Clinician-Educators: A Synergistic Integration of Ethics, Rhetoric and Education Theories, and Social Science, MedEdPublish, 2017, 6, [3], 23, doi:<https://doi.org/10.15694/mep.2017.000137>
5. Ligon B, Turner T, **Thammasitboon S.** Highlighting Common Pitfalls to Avoid when Writing the Medical Education Manuscript, MedEdPublish, 2017, 6 (2),32, doi:<https://doi.org/10.15694/mep.2017.000094>
6. **Thammasitboon S**. DX: Diagnostic Excellence. Eds. Olsen and Lang. Hanover, NH: MedU, Jly 2015. Available from hhtp//[www.med-u.org](http://www.med-u.org)
7. **Thammasitboon S.** “Curricular Tools for Communication Skills: Using PBAR to Deliver an Effective Case Presentation” The Association of Pediatric Program Directors Share Warehouse. In [APPD.org](http://APPD.org) (The Share Warehouse is the virtual Web-based collaborative project for pediatric medical educators to find high-quality peer-reviewed resources for pediatric residency training.)
8. **Thammasitboon S**, Hilvers P. “Cardiopulmonary Interaction” In LearnICU. Org, , October 2008. (This site was developed by the Pediatric Resident Education Committee, a sub-committee of the Pediatric Section of the Society of Critical Care Medicine. The contents of the presentations have been peer-reviewed by members of the committee.)
9. **Thammasitboon S.** “Curricular Tools for Practice Based Learning and Improvement: Cognitive Forcing Strategies” The Association of Pediatric Program Directors Share Warehouse. In [APPD.org](http://APPD.org)
10. Ely, B. **Thammasitboon S.** Critical Appraisal of: Umpierrez GE, Cuervo R, Karabell A. Treatment of diabetic ketoacidosis with subcutaneous insulin aspart. Diabetes Care 2004 27(8): 1873-8. In The PedsCCM Evidence-Based Journal Club, July 6, 2007.
11. **Thammasitboon S**. Critical Appraisal of: Richard C, Warszawski J, Angurl N, et al. Early Use of the Pulmonary Artery Catheter and Outcomes in Patients with Shock and Acute Respiratory Distress Syndrome: A Randomized Controlled Trial. JAMA 2003;290 2713-2720. In The PedsCCM Evidence-Based Journal Club, April 29, 2005.
12. **Thammasitboon S.**  Critical Appraisal of: Sokol J, Jacob SE, Bohn D. Inhaled nitric oxide for acute hypoxemic respiratory failure in children and adults (Cochrane Review). The Cochrane library, Issue 1, 2003. Oxford: update software. In The PedsCCM Evidence-Based Journal Club, September 24, 2003.
13. **Thammasitboon S.** Critical Appraisal of: Kern JW, Shoemaker WC. Meta-analysis of hemodynamic optimization in high-risk patients. Crit Care Med. 2002;30(8):1686-92. In The PedsCCM Evidence-Based Journal Club, May 4, 2003.
14. **Thammasitboon S.** Critical Appraisal of: Polderman KH, Joe RTT, Peerdeman SM, et al. Effects of therapeutic hypothermia on intracranial pressure and outcome in patients with severe head injury. Intensive Care Med 2002;28: 1563-1573. In The PedsCCM Evidence-Based Journal Club, March 14, 2003.
15. **Thammasitboon S.** Critical Appraisal of: Smyrnios NA, Connolly A, Wilson MM, et al. Effects of a multifaceted, multidisciplinary, hospital-wide quality improvement program on weaning from mechanical ventilation. Crit Care Med. 2002;30(6):1224-30. In The PedsCCM Evidence-Based Journal Club, September 6, 2002
16. **Thammasitboon S.**  Critical Appraisal of: Rivers E, Nguyen B, Havstad S, et al. Early Goal-Directed Therapy in the Treatment of Severe Sepsis and Septic Shock. New Engl J Med 2001; 345:1368-77. In The PedsCCM Evidence-Based Journal Club, April 1, 2002

3. Full Papers Without Peer Review

a. Published

b. In Preparation

* Benjmain J, Jain P, Flores S, **Thammasitboon, S.** Virtual Deliberate Practice Module
* Pruit S, **Thammasitboon, S,** Roy K. A Caregiver Self-Efficacy Tool in Tracheostomy Care: Development and Validation of an Instrument
* Benjamin J, Roy K, Mahan J, **Thammasitboon, S.** Creating a Novel Curriculum and a Program of Assessment for Management of Tracheostomy

4. Abstracts Given During Last Three Years

* Thomas T, **Thammasitboon S**. Key Insights on Pandemic Moral Distress: Role of Misaligned Ethical Values in Decision-making, the 51st Critical Care Congress to be held in San Juan, Puerto Rico, February 7, 2022.
* Orellana O, Gazzanio M, **Thammasitboon S.** A Dual-Goal Approach to Pediatric Critical Care Transport Training in Resource-Limited Settings, the 51st Critical Care Congress to be held in San Juan, Puerto Rico, February 6, 2022.
* Dissaneevate S, Rissmiller B, **Thammasitboon, S.** The Virtual Diagnostic Expertise Acceleration Module to Creating Repetoire of Illness Scripts, Association of Medical Education in Europe (AMEE) Annual Congress, August 27, 2021.
* Benjamin J, Sockrider M, Moore H, **Thammasitboon, S.** Understanding Caregivers of Children with Special Healthcare Needs – Disaster Preparedness Adds Complexity, Incessant Burden, and Fear, Pediatric Academic Societies’ 2021 Annual Meeting, Philadelphia, PA, May 3, 2021.
* Cameron L, Benjamin J, Cameron L, Burns A, **Thammasitboon, S.** Preparing Medical Educators for the Future: A Virtual Faculty Development Program, Pediatric Academic Societies’ 2021 Annual Meeting, Philadelphia, PA, May 3, 2021.
* Benjamin J, Cameron L, Burns A, **Thammasitboon, S.** Optimizing Virtual Learning by Creating a “Community of Inquiry”, Pediatric Academic Societies’ 2021 Annual Meeting, Philadelphia, PA, May 2, 2021.
* Nguyen s, Powel W, Moore D, **Thammasitboon, S,** Burns A. Bolstering Pediatric Physician Scientist Training: A National Needs Assessment of Residency Program Director, Association of Pediatric Program Directors 2021 Annual Meeting.
* Burns A, Turner T, Elaine Fielder, Parson W, **Thammasitboon S**. Training Resident Learners in Science and Clinical Education Through Dual Professional Identity Formation: Early Outcomes of the Pediatrician-Scientist Training & Development Program, Association of Medical Education in Europe (AMEE) Annual Congress, August 29, 2020.
* Tcharmtchi H, Kumar S, Rissmiller B, Castro D, Rama J, **Thammasitboon S**. Exploring Job Characteristics that Enrich and Motivate Clinician Educators and Education Leaders, Association of Medical Education in Europe (AMEE) Annual Congress, August 29, 2020.
* Cohen A, Falco Carla, **Thammasitboon, S.** Using the Assessment of Reasoning Tool to Facilitate Learning and Feedback about Diagnostic Reasoning During an Intern Case Discussion: A Mixed Methods Study, Pediatric Academic Societies’ 2020 Annual Meeting, Philadelphia, PA, May 3, 2020.
* Welch C, Carbajal M, Kumar S, **Thammasitboon, S.** Psychological Safety in a Morning Report: An Integrated Mixed Methods Study on Team Learning Behaviors and Outcomes, Pediatric Academic Societies’ 2020 Annual Meeting, Philadelphia, PA, May 3, 2020.
* Cameron L, **Thammasitboon S**. An Online Course to Optimize Urgent Care Provider Antimicrobial Use for Pediatric Upper Respiratory Infections, Pediatric Academic Societies’ 2020 Annual Meeting, Philadelphia, PA, May 4, 2020.
* Ninemier M, Musick, M, **Thammasitboon S**. Lessons and Insights from the Implementation of the Cohort Model for a Pediatric Intensive Care Unit: An Integrated Mixed Method Research, Pediatric Academic Societies’ 2020 Annual Meeting, Philadelphia, PA, May 3, 2020.
* Benjamin J, **Thammasitboon S**. Being Experienced or Affected by a Hurricane Has No Effect on Disaster Preparedness among Caregivers of Children with Special Health Care Needs, Pediatric Academic Societies’ 2020 Annual Meeting, Philadelphia, PA, May 4, 2020.
* Benjamin J, Roy K, Mahan J, **Thammasitboon S**. A Novel Curriculum and Program of Assessment for Tracheostomy Management: The Total is More than the Sum of its Parts, Pediatric Academic Societies’ 2020 Annual Meeting, Philadelphia, PA, May 4, 2020.
* Welch C, Carbajal M, Kumar S, **Thammasitboon S**. Creation and Validation of Learning Environment Assessment Framework (LEAF) Tool: Assessing Psychological Safety in Group Learning Setting, Pediatric Academic Societies’ 2019 Annual Meeting, Baltimore, MD, April 30, 2019.
* Mauney J, **Thammasitboon S**., et al. Novel Orientation Program for Pediatric Cardiac Critical Care Advanced Practice Providers Directed Towards Enhancing Professional Identity Formation, Pediatric Cardiac Intensive Care Society’ 2019 Annual Meeting, November 21, 2019.
* Riley A, Brown K, **Thammasitboon, S.** Developing a Mastery Learning Module for Focused Cardiac Ultrasound Training of Pediatric Critical Care Providers. American College of Cardiology Conference, March 19, 2019.
* Benjamin J, Roy K, **Thammasitboon, S.** Improving resident self-efficacy in managing tracheostomy related emergencies utilizing a blended curriculum with simulation, Pediatric Academic Societies’ 2019 Annual Meeting, Baltimore, MD, April 28, 2018.
* Bahlala U, **Thammasitboon, S**. Rapid-Cycle Deliberate Practice for Training of Hands-On CPR Skills: A Randomized Controlled Trial, Society of Critical Care Medicine’s 2019 Annual Congress, Orlando, FL, February 18, 2019
* Okhuysen-Cawley, R, **Thammasitboon, S,**  Analgesia and Sedation for Compassionate Extubation: A Review of the Medical Literature, Society of Critical Care Medicine ’s 2019 Annual Congress, Orlando, FL, February 17, 2019
* Singhal G, Liang J, Turner T, **Thammasitboon, S**, Second Victim..What does it Mean and How I Help My Learners Not Become One? Association of Medical Education in Europe (AMEE) Annual Congress, Basel, Switzerland, August 28, 2018.
* Brown, K, Riley A, Castro D, Adler A, Alade K, **Thammasitboon, S.** Integrating Three Educational Models to Promote Skill Acquisition in Focused Cardiac Ultrasound, Association of Medical Education in Europe (AMEE) Annual Congress, Basel, Switzerland, August 29, 2018.
* Brown K, Castro, D, **Thammasitboon, S.** Integrating Three Educational Models to Promote Skill Acquisition in Focused Cardiac Ultrasound, Pediatric Academic Societies’ 2018 Annual Meeting, Toronto, Canada, May 7, 2018.
* Mochen W, Moore H, **Thammasitboon, S.** Self-Determination Theory as a Framework to Explore Motivation in Caregivers of Children with Complex Chronic Conditions, Pediatric Academic Societies’ 2018 Annual Meeting, Toronto, Canada, May 7, 2018.
* Pruitt S, Arnold J, **Thammasitboon, S**, et al. A Parental Self-Efficacy Tool in Tracheostomy Care: The Development and Validation of an Instrument, American Academy of Pediatrics Section on Critical Care/Pediatric Critical Care Colloquium, September 15, 2017.
* **Thammasitboon, S**, Ligon BL, Turner A, et al. Creating Education Enterprise, Association of Medical Education in Europe (AMEE) Annual Congress, Helsinki, Finland, August 29, 2017.
* Singhal G, **Thammasitboon, S**. Gender Intelligence, Association of Medical Education in Europe (AMEE) Annual Congress, Helsinki, Finland, August 28, 2017.

5. Books

a. Complete Books Written

* Singhal G, **Thammasitboon S**. Education Module: Reducing Diagnostic Errors (electronic version). The National Patient Safety Foundation.

b. Books Edited (include names of other editors, if applicable)

c. Book Chapters Written

* **Thammasitboon S**, Thammasitboon S, Singhal G. Diagnostic Error in Agrawal A (ed.) Patient Safety: A Case-Based Comprehensive Guide. Springer Sciences +Business Media, LLC 2013.

1. Other Works Communicating Research Results to Scientific Colleagues: NA

7. Other Works Communicating Research Results to General Public: NA

**D. Innovation and Commercialization**

1. Patents (list applications, patents awards, business development resulting from patents)

2. Device, Software or Other Development

3. Evidence of Impacting Health/Scientific Policy or Clinical Practice Guidelines (e.g., note policy or guidelines where publications were cited)

4. Participation in Business Development and Commercialization

5. Other Activities

**III. Teaching Information**

**A. Educational Leadership Roles (title, dates, responsibilities)**

* + Co-Director, Texas Children’s Hospital Faculty College (5/2018-present)
  + Chair, Resident Scholarship Program (1/2013-present)
  + Director, Center for Research, Innovation and Scholarship in Medical Education (4/2019- present)
  + Associate Fellowship Director for Education (7/2011-6/2014)
  + Associate Fellowship Director for Critical Care Scholars Program (7/014-9/2016)
  + CRIS Scholar, Center for Research, Innovation and Scholarship in Medical Education (3/2013-9/2015)
  + Associate Director, Center for Research, Innovation and Scholarship in Medical Education (10/2015-4/2019)

**B. Didactic Coursework (include dates, number of hours and approximate numbers of learners)**

1. Courses Taught at BCM Within the Primary Department

* + - Evidence-Based Medicine Series for Pediatric Critical Care Fellows
    - Board Review Series for Critical Care Fellows
    - Pediatric Critical Care- Emergency Medicine Collaborative Conference
    - Clinical Reasoning and Diagnostic Assessment for Pediatric Residents
    - Resident Scholarship Program, Year-round rotation for Pediatric Residents
    - Faculty College: Master Classes, Year-round Health Professions Education Certificate for faculty members

2. Courses Taught at BCM External to the Primary Department (include number of hours)

* Wicked Problems: BCM Medical Students Elective Course

3. Courses Taught at Other Institutions while at BCM

* Clinical Reasoning (University of Houston)

4. Courses Taught Prior to BCM

**C. Curriculum Development Work (include institution where work was done and whether work was disseminated beyond home institution)**

1. Evidence-Based Medicine for Pediatric Critical Care Fellows, Course Director, Fellows
2. Clinical Reasoning for Residents, Curse Director, Medical students, Graduate medical trainees and faculty
3. Resident Scholarship Program, Course Director, Pediatric Residents
4. Biostatistics for Scholarly Clinicians, Course Director, Fellows
5. Point-of-Care Ultrasound for Critical Care Providers, Co-Director, Fellows and Faculty
6. Faculty College Health Professions Education Certificate, Co-Director, Faculty

**D. Non-didactic Teaching (include teaching at BCM and any other teaching concurrent with or prior to teaching at BCM)**

1. Resident Training (include estimate of time spent)

* Pediatric Intensive Care Unit, Average of 8-12 weeks/year (days, nights and weekends), clinical rounds and bedside teaching (~500hrs/year from 2011-2015, ~350hrs/year from 2015-present), Team size: 3-5 residents, 1-2 fellows, 1-2 Advanced Practice Providers (APP), and occasional medical students
* Progressive Care Unit, Average of 5-8 weeks/year (days, nights and weekends), clinical rounds and bedside teaching (~225hrs/ year from 2011-2015, ~140hrs/year from 2015-present), Team size: 4 residents, 1 fellow, 2 APP, and occasional medical students

2. Clinical Fellow Training (include names of fellows, dates, current location or position)

1. Maria Gazzaneo, MD (1/08 – 6/11)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Sanju Samuel, MD (07/08 – 6/11)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Neeraj Srivastava, MD (07/08 – 6/11)

Assistant Professor, Pediatric Critical Care, Children’s Hospital of San Antionio, TX

1. Manuel Silva, MD (07/08 – 6/11)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Matthew Musick, MD (07/08 – 6/11)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Ryan Stark, MD (07/09 – 6/12)

Assistant Professor, Pediatric Intensive Care, Vanderbilt University School of Medicine, TN

1. Aarti Bavare, MD (07/09 – 6/12)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Margaret Scheffler, MD (07/09 – 6/12)

Assistant Professor, Pediatric Intensive Care, Hasbro Children’s Hospital, Rhode Island

1. Joseph Phillip, MD (07/09 – 6/12)

Assistant Professor, Pediatric Intensivist, Shands Healthcare, Gainsville, FL

1. Amy Arrington, MD PhD (07/10 – 06/13)

Assistant Professor, Pediatric Critcal Care Section, Baylor College of Medicine

1. Efren Gutierrez, MD (07/10 – 6/13)

Assistant Professor, Pediatric Critical Care, Kaiser Oakland Medical Center, San Francisco

1. Mona Karimullah, MD (07/10 – 6/13)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Jenna Miller, MD (07/10 – 6/13)

Assistant Professor, Pediatric Critical Care, Mercy Children’s Hospital, Kansas City, Kansas

1. Matthew Pesek, MD (07/10 – 6/13)

Assistant Professor, Pediatric Critcal Care Section, Baylor College of Medicine

1. Scott Wheatley, MD (07/10 – 6/13)

Assistant Professor, Pediatric Critical Care, Lehigh Valley Hospital, Allentown, PA

1. Natash Afonso, MD (07/11 – 6/14)

Assistant Professor, Pediatric Critical Care Section, Baylor college of Medicine

1. Harish Bangalore, MD (07/11 – 6/14)

Pediatric Intensivist, Great Ormond Street Hospital, London UK

1. Jordana Goldman, MD (07/11 – 6/14)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Tessy Thomas, MD (07/11 – 6/14)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Wail Ali, MD (07/12 – 6/15)

Assistant Professor, Pediatric Critical Care Section, West Virginia University Hospital, Morgantown, VA

1. Ryan Coleman, MD (07/12 – 6/16)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Caridad Davalos, MD (07/12 – 6/15)

Assistant Professor, Pediatric Critical Care Section, Universidad San Francisco, Quito, Ecuador

1. Mohammad Ebraheem, MD (07/12 – 6/15)

Assistant Professor, Pediatric Intensivist, Shands Healthcare, Gainsville, FL

1. Zahraa Al-Lawati, MD (07/13 – 6/16)

Assistant Professor, Pediatric Critical Care Section, Detroit Medical Center, Detroit, MI

1. Corey Chartan, MD (07/13 – 6/16)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Raeley Guess, MD (07/13 – 6/16)

Pediatric Intensivist, Fort worth, TX

1. Richard Lion, MD (07/13 – 6/16)

I Assistant Professor, Pediatric Critical Care Section, Loma Linda, CA

1. Brian Rissmiller, MD (07/13 – 6/16)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Rocky Tsang, MD (7/14 – 6/16)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Melanie Kitagawa, MD (07/13 – 6/16)

Assistant Professor, Pediatric Critical Care Section, Royal Children’s Hospital, Australia

1. Dalia Bashir, MD (7/14 – 6/17)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Nirica Borges, MD (7/14 – 6/17)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Erin Keegan, MD (7/14 – 6/17)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Emily Krennerich, MD (7/14 – 6/17)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Andrea Ontanedo, MD (7/14 – 6/17)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Spencer Pruitt, MD (7/14 – 6/17)

Assistant Professor, Pediatric Critical Care Section, Children’s Hospital of Minnesota

Minneapolis, MN

1. Tom Fogarty MD (7/15 – present)

Assistant Professor, Pediatric Critical Care Section, Baylor College of Medicine

1. Amir Navaei, MD (7/15 – present)

Instructor, Pediatric Critical Care Section, Baylor College of Medicine

1. Sonia Labarinas, MD (7/15 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Chineyere Onyearugbulen, MD (7/15 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Erika Bernardo, MD (7/16 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Saleh Bhar, MD (7/16 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Kyle Brown, MD (7/16 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Sridevi Ellickal, MD (7/16 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine

1. Noelle Gorgis, MD (7/16 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Dustin Hipp, MD (7/16 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Nathan Serazin, MD (7/16 – present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Kristen Meulmester, MD (7/17-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Raysa Morales, MD (7/17-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Rachel Ninemire, MD (7/17-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Craig Pymento, MD (7/17-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Brad Scherer (7/17-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Jaime Silva, MD (7/17-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Michael Smaglick, MD (7/17-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Kristen Dolan, MD (7/17-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Lauren Williams, MD (07/2018-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Sameer Thadani, MD (07/2018-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Rachael Rose, MD (07/2018-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Kriti Puri, MD (07/2018-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Chetna Pande, MD (07/2018-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Katherine Doane, MD (07/2018-present)

Fellow, Pediatric Critical Care Section, Baylor College of Medicine, Houston, Texas

1. Axel Moreira, MD (07/2019-present)
2. Muhammad Mian, MD (07/2019-present)
3. Ivanna Maxson, MD (07/2019-present)
4. Joseph Knadler, MD (07/2019-present)
5. Ian Justement, MD (07/2019-present)
6. Sara Hyatt, MD (07/2019-present)
7. Sakina Attaar, MD (07/2019-present)

3. Research Training

*Fellows*

1. Jenna Miller MD –Critical Care Fellow, July 2011-June 2013
2. Natasha Afonso- Critical Care Fellow, July 2011-June 2014
3. Tessy Thomas, DO, Critical Care Fellow, July 2011-June 2014
4. Corey Chartan, DO, Pediatric Resident, July 2011-June 2013
5. Robert Ricketts, MD, Pediatric Resident, May 2014-June 2015
6. Lily Xiong, MD, Pediatric Resident, May 2014-June 2015
7. Brain Rissmiller, MD, Critical Care Fellow, July 2013- June 2016
8. Corey Chartan, DO, Critical Care Fellow, July 2013-June 2016
9. Raeley Guess, DO, Critical Care Fellow, July 2013- June 2016
10. Michael Smaglick, MD, Pediatric Resident, July 2015-June 2016
11. Shubhada Hooli, MD, Critical Care Fellow, July 2015-June 2016
12. Spencer Pruitt, MD, Critical Care Fellow, July 2014-June 2017
13. Kyle Brown, MD, Critical Care Fellow, July 2016-present
14. Kristen Dolan, MD, Critical Care Fellow, July 2017-2020
15. Craig Paynemto, MD, Critical Care Fellow, March 2016-2019
16. Wallis Mochen, MD, Hospital Medicine Fellow, October 2016-
17. Jennifer Rammel, MD, Rheumatology Fellow, July 2017-2020
18. Grant Shafer, MD, Neonatology Fellow, December 2017-2020
19. Rachel Niemeyer, MD, Critical Care Fellow, January 2018-2020
20. Lauren Williams, MD, Critical Care Fellow, March 2017-2020
21. Ivanna Maxson, MD, Critical Care Fellow, August 2019-present
22. Dan Hussumani, MD, Critical Care Fellow, October 2020-present
23. Sarah Walters, MD, Critical Care Fellow, January 2021-present

*Faculty*

1. Danny Castro, MD, Faculty April 2011-Decmber 2017
2. John Darby, MD, Faculty, July 2013-present
3. Amy Arrington, MD, Faculty, April 2015-June 2017
4. Matei Petrescu, MD, Faculty, May 2015-present
5. Natasha Alfonso, M.D., M.P.H.- Faculty July 2015-2018
6. Tessy Thomas, DO, Faculty July 2014-present
7. Brian Rissmiller, MD, Fellow July 2016-present
8. Utpal Bhalalha, MD, Faculty, February 2017-2019
9. Jennifer Benjamin, Faculty, February 2017-present
10. Ganga Gokulakrihsnan, MD, June 2017-2018
11. Audrea Burns, PhD, January 2016-present
12. Adam Cohen, MD, 2017-present
13. Lindsay Cameron, MD, May 2020-present
14. Miariah Gillespie, MD, August 2021-present

*International Research Fellow Training*

1. Siriporn Phongjitsiri, MD, May 2014- April 2015
2. Jarin Vaewpanich, MD, October 2015- April 2016
3. Jen-feng Liang, MD, Faculty, Taiwan, June 2017-2018

*National Research Mentoring*

1. Riad Lutfi, MD, Faculty, Indiana University, March 2017-present
2. Jenna Miller, MD, Faculty, Children’s Mercy Kansas City, July 2013- 2018
3. Brian Lee, MD, Faculty, Brown University, May 2018-2020

International Research Mentoring

1. Jen-feng Liang, MD, Faculty, Taiwan, June 2017-present
2. Samart Pakarkassama, MD, Faculty, Thailand, July 2017-present
3. Jarin Vaewpanich, Faculty, Thailand, May 2017-present
4. Supaporn Dissanevate, MD, March 2018-present
5. Khunasiri, MD, June 2020-present

4. Graduate Student Training (describe your role, such as major advisor or committee member; provide information about each fellow as above)

5. Medical Student Mentoring (provide information as above)

**E. Faculty Development or Continuing Medical Education (list contributions as a course developer, presenter, etc.)**

1. Texas Children’s Hospital Faculty College Health Professions Education Certificate, Developer, Co-Director and Presenter
2. Scholarship Club, Developer and Director and Presenter
3. Writing Retreat, Director, Developer and Presenter
4. Annual Education Retreat, Planning Committee Chair and Presenter
5. Annual Educator Orientation, Planning Committee and Presenter
6. Practical Skills for Evidence Reviews in Health Professions Education, Co-Director and presenter
7. Global Health Scholarship Community of Practice, Developer and Presenter
8. Neurocritical Care Symposium, Developer
9. Innovation Symposium, Co-Chair and Presenter
10. Coaching Symposium, Co-Chair and Presenter
11. Pediatric Critical Care Medicine Research Forum, Planning Committee

**F. Lectures and Presentations (provide complete citation for each item; list invited lectures in II.B.5 and lectures, posters or presentations with published abstracts in section II.C.3)**

Local

* Teaching 101, BIPAI, July 19, 2018
* Tips and Tools for Success in Education Scholarship TCH Faculty College Orientation, July 18, 2018
* Educational Scholarship Club: Tips and Tool for Success in Educational Scholarship, June 6, 2018.
* Sharing Your Scholarly Work to the World, Texas Children’s Hospital Woodland Campus, Faculty Development, April 19, 2018
* Educational Scholarship Club: Transforming Academic Tasks to Scholarship, September 20, 2017
* Developing Strategies to Motivate Learners and Enrich Work Environment, September 12, 2017
* Educational Scholarship Club: Assuring Validity od Educational Instruments, May 18, 2017
* Educational Scholarship Club: Innovating Curriculum, February 23, 2017.
* Educational Scholarship Club: Conceptual Framework, November 10, 2016.
* Fostering Resident Autonomy, The TCH Education Retreat, December 2, 2016.
* Modeling Expert Thinking, Endocrinology Faculty Development, December 15, 2016.
* Conceptual Frameworks: Finding your True North in Developing Scholarship The TCH Education Retreat, December 4, 2015.
* Deliberate Practice and Master Coaching, The TCH Education Retreat, December 4, 2014.
* Modeling Expert Thinking, The TCH Education Retreat, December 5, 2013.
* Expert Thinking: Intuition and Metacognition, Special Interest Group-August 17, 2011.
* Rapid Technique for Evidence-based Medicine. Pediatric Cardiology Section Conference, Texas Children’s Hospital, October 28, 2011.
* Deliberate Practice: Journey to Clinical Expertise, Pediatric Grand Rounds, West Virginia University School of Medicine, Morgantown, July 18, 2010.
* Toward Clinical Excellence: Building a Broadband Circuit for the Expertise Development. Pediatric Critical Care Section Conference, Texas Children’s Hospital May 5, 2010.
* The Secrets of Expert Thinking Pediatric Grand Rounds, West Virginia University School of Medicine, Morgantown, October 17, 2007.
* Why Did You Miss the Diagnosis? The Anatomy of a Crime Pediatric Grand Rounds, West Virginia University School of Medicine, Morgantown, October 11, 2006.
* Procedural Sedation for Emergency Medicine Physicians, Emergency Medicine Grand rounds, West Virginia University School of Medicine, April 2006.
* Why Did You Miss the Diagnosis?: The Importance of Cognitive Errors and Strategies to Minimize Them, Pediatric Grand Rounds, West Virginia University School of Medicine, November 2005.
* Pediatric Advanced Life Support course for WVU hospital employees, director, August 2005.
* Using Evidence-Based Medicine to solve your “headache” in daily practice, Pediatric Grand Rounds, West Virginia University School of Medicine, January 2005.

**E. Visiting Professorships (include location, dates)**

* Teaching and Assessing Clinical Reasoning, Prince of Songkla University, Hat Yai, Thailand, February 7, 2020 (All-day education retreat).
* An Overview of Programmatic Assessment, February 6, 2020 (All-day education retreat)
* “The Theory of Threshold Concept: An Analytical Tool for Curriculum Planning”, Prince of Songkla University, Hat Yai, Thailand, October 31, 2019.
* The Secrets of Expert Thinking, Pediatric Grand Rounds, University of Illinois at Chicago, Chicago, IL, June 12, 2009.
* Clinical Expertise: Intuition and Metacognition, Pediatric Grand Rounds, Scott & White Hospital for Children, Texas A&M Medical School, October 1, 2008.
* Cognitive Forcing Strategies to Minimize Diagnostic Errors in Clinical Practices, Pediatric Grand Rounds, West Virginia University School of Medicine, Charleston, WV, April 27, 2007.
* Cognitive Forcing Strategies to Minimize Diagnostic Errors in Clinical Practices, Visiting Professor Pro Tempore, Cleveland Clinic Foundation, Cleveland, OH, April 3, 2007.
* Why Did You Miss the Diagnosis?: The Anatomy of a Crime, Prince of Songkla University, Songkhla, Thailand, February 12, 2007.
* Heart-Lung Interaction and Ventilator Management, Pediatric Conference, Prince of Songkla University, Songkhla, Thailand, February 12, 2007.
* Why Did You Miss the Diagnosis?: The Anatomy of a Crime, Joint Pediatric Grand Rounds for Chicago Medical Center (University of Illinois at Chicago, Rush-Presbyterian-St’s Luke’s Medical Center, Cook County Hospital, August 22, 2006

**IV. Medical & Service Information**

**A. Patient Care Responsibilities**

* PICU and PCU Inpatient Service (2011-2015:16-20 weeks, 2015­2017: 13-15 weeks
* In house call 2 nights/month and average 1 weekend/month

**B. Clinical Laboratory Responsibilities at BCM**

**C. National Education or Voluntary Health Organization Participation**

* Chair, Assessment subcommittee, Society to Improve Diagnosis
* Member, Education Committee, Society to Improve Diagnosis
* Faculty Development Taskforce, Association of Pediatric Program Directors
* Appraisal Committee for Directory and Repository of Educational Assessment Measures (DREAM), Association of American Medical College
* Designated reviewer for MedEdPORTAL, Association of American Medical College, 2008-present

**D. Administrative Assignments at BCM**

1. Department Administration, Committees, etc.

Administrative Assignments

* Associate Fellowship Director for Education (7/2011-6/2014)
* Associate Fellowship Director for Critical Care Scholars Program (27/014-6/72016)
* Chair, Resident Scholarship Program (1/2013-present)
* CRIS Scholar, Center for Research, Innovation and Scholarship (3/2013-9/2015)
* Associate Director, Center for Research, Innovation and Scholarship (10/2015-preent)

Committees

* Evidence-based Practice Guidelines Committee for Acute Chest Syndrome, Texas Children’s Hospital, September 2011-present
* Resident Scholarship Program Executive Committee January 2013-present
* Pediatrics Resident Curriculum Subcommittee for Scholarly Advancement, August 2011-2012
* Clinical Competency Committee, Pediatric Residency Program, July 2013-present
* Continuing Medical Education Committee, July 2016-present

2. College, School or University Administration, Committees, etc.

* Norton Rose Fulbright Faculty Excellence Review Committee

**Curriculum Vitae  
Audrea Melody Burns, PhD**

**I. General Biographical Information**

**A. Personal**

1. Audrea Melody Burns, PhD

6621 Main Street, MC 330, B.19217, Houston TX 77030

Office: 832-822-1365

2. Citizenship: United States

**B. Education (include institution/location, degree, and dates of attendance)**

1. Undergraduate Education

DePauw University, Greencastle Indiana, 1999-2000

Xavier University of Louisiana, New Orleans, LA, B.S. Biology, 2000-2003

Inductee, Beta Beta Beta Biological Honor Society, Graduated with Honors

2. Medical Education or Graduate Education (include thesis/dissertation title, advisor)

The University of Chicago, Chicago, IL

School of BioSciences, Graduate Program in Immunology

Doctorate of Philosophy in Immunology (PhD)

“The Role of Memory B Cells in Transplantation Tolerance”

Advisor: Anita Chong, PhD

August 2003-May 2009

3. Postgraduate Training (residency, clinical/research fellowship, etc.; source of support, advisor)

* Baylor College of Medicine, Houston TX and University of Houston-Downtown (UHD) (Joint Campus)

NIH Institutional Research Academic Career Development Award (IRACDA) Research Education and Career Horizon (REACH) Program

Postdoctoral Fellowship

Dual Training Program in Science Education Teaching & Biomedical Research

Research Project: “*The Role of KLF7 in T cell Homeostasis*”, Daniel Lacorazza, PhD (BCM)

Education Project “*Incorporating Biomedical Advances into an Undergraduate Microbiology Course*”, Lisa Morano, PhD (UHD)

Postdoctoral Fellow Scholar

9/2009-5/2012

* Master Teacher Fellowship Program,

Baylor College of Medicine, Houston, TX

Medical Education Certificate

8/2017-5/2019

**C. Academic Appointments (include title and dates of appointment)**

1. Current Faculty Position(s) at BCM

* Assistant Professor, Pediatrics, Non-Tenure Track (9/2013-present)
* Assistant Professor (Co-Primary Appointment), Department of Education, Innovation, and Technology ( 3/2021-pressent)
* Associate Program Director for Pediatrics Residency Physician-Scientist Program (9/2014-present)
* CRIS Scholar, Center for Research, Innovation and Scholarship in Medical Education
* (9/2019-present)
* Co-Director, Research Education Mentorship Program for Hematology Oncology Fellowship Program (5/2019-present)
* Co-Director, Faculty College, (4/2020-present)

2. Previous Faculty Position(s) at BCM: N/A

3. Previous Faculty Position(s) at Other Institutions

* Adjunct Faculty, University of St. Thomas, Houston, TX 8/2010-5/2011
* Adjunct Faculty, University of Houston Downton, TX 8/2011-5/2012

4. Faculty Appointments at Other Institutions While at BCM

* Adjunct Assistant Professor, Rice University, Houston, TX, 5/2015-present

**D. Other Advanced Training/Experience (include locations, dates and sources of support)**

1. Formal Sabbatical Leave: N/A

2. Other Specialized Training Following Academic Appointment

1. The Odum Institute for Research in Social Science Qualitative Research Summer Institute QSRI), The University of North Carolina Chapel Hill, Chapel Hill, NC, Certificate of Completion (Phenomenology Qualitative Analysis, Qualitative Coding Methodology, Mixed Methods Research), July 2019
2. NIH National Research Mentoring Network Training

Baylor College of Medicine, Houston, TX, Course Certificate

Faculty Facilitator, September 2019

c. International Association for Medical Education (AMEE) Practical Skills for Reviewing Evidence in Health Professions Education (PASREV) Best Evidence in Medical Education

Baylor College of Medicine, Houston, TX

Course Certificate, Faculty Facilitator & System Reviewer Writer, March 2020, September 2020, March 2021

d. Columbia University Facilitated Narrative Medicine Teaching Training

Baylor College of Medicine, Houston, TX, Course Certificate

Faculty Facilitator for Health Professions Education Trainees, November 2019

**E. Other Information**

1. Honors or Awards

1. **Baylor Pediatric Award of Achievement in Educational Innovation** (*The award of excellence in educational innovation was presented by the department of pediatrics in recognition of outstanding innovations in medical education for the 2019-2020 academic yea*r), 2021
2. **Norton Rose Fulbright Faculty Excellence Award, Category: Educational Leadership**,(*peer-reviewed award to demonstrate excellence in educational leadership*), 2020
3. Honoree Nominee, Lifetime Achievement Award, National Women of Achievement, Inc., Service Organization, ( *Nominated for excellence in professional achievements and service to community educational initiatives in Houston*) Houston Chapter, Houston, TX, 2020
4. Certificate of Completion, BCM Master Teaching Fellowship Program, Baylor College of Medicine, (*Institutional program to develop teaching and foundational topics in medical education for rising medical education leaders in the college*), 2019
5. 1st Place Poster Competition Award- Burns *et al*. Texas Educators Academies Collaborative for Health Professions-Southeast (TEACH-S), “Grounding Pediatrician-Scientist Development in Professional Identity Formation: Early Outcomes of the Pediatrician-Scientist Training & Development Program”, (*Poster described novel 135+ page curriculum that I developed for physician-scientist resident trainees and I teach along with approximately 20 BCM faculty*) 2018
6. Plaque of Appreciation “Founding Associate Program Director”, Presented by Inaugural Class of Pediatrician-Scientist Training & Development Program Residents, Class of 2018,. *(award to represent leadership and mentorship for physician-scientist trainees in establishing the first pediatrician-scientist program)*, 2018
7. Outstanding Abstract Award & Minority Scientist Travel Award; 98th Annual Meeting American Association of Immunology, 2011.
8. NIH-IRACDA REACH Postdoctoral Fellowship Award, 2009, 2010, 2011, 2012 (*awarded due to exemplar teaching and mentorship of undergraduates during pre-doctoral studies at The University of Chicago*)
9. Minority Scientist Travel Award, 96th Annual Meeting American Association of Immunology, 2009
10. Minority Student Travel Scholarship, B cells in Context: Keystone Meeting, 2009
11. Pre-doctoral Trainee Travel Award, FASEB Summer Research Conference, 2008
12. John Wallace Diversity Travel Scholarship, 36th Annual Autumn Immunology Conference, 2007
13. Minority Scientist Travel Award, 94th Meeting American Association of Immunologist, 2007
14. NIH F30- Ruth L. Kirschstein National Research Service Award- Predoctoral Fellowship, Project: Role of Memory B cells in Transplantation Tolerance, 2007-2009
15. American Transplant Congress; Young Investigator Award, Meeting Sponsor’s Travel Scholarship; Award for Outstanding Abstract, 2006
16. NIH MARC (Minority Access to Research Careers) Scholar Academic Undergraduate Full-Tuition Scholarship (*Awarded based on stellar academic performance*) 2002, 2003

2. Board Eligibility/Certification -N/A

3. Other Non-academic Positions: n/a

**II. Research Information**

**A. Research Support**

**ACTIVE RESEARCH SUPPORT**

1. “Promoting Med-ed Insight into Supportive Environments (ProMISE) Study Exploring Underrepresented In Medicine (UIM) Residents’ Perceptions about Resources Addressing Belonging, Wellness, Burnout and Professional Goals (BeWell-BP)”

National Association of Pediatric Program Directors (APPD)

Research Education Grant

Co-Principal Investigator, **A. Burns**

5/2020-6/2022

$10,000

2. “Developing An Instrument to Determine Residents’ Developmental State in Professionalism Using Threshold Concepts” as a Framework”

Baylor College of Medicine, Department of Pediatrics

Research Education Pilot Grant

Principal Investigator, **A. Burns**

5/2019-12/2021

$15,000

**COMPLETED RESEARCH SUPPORT**

1. “Primary Innovations in Clinical Immunology & Primary Immunodeficiency Inaugural National Symposium”

Baxter Pharmaceutical Company

Education Grant

Co-Investigator, **A. Burns**

2013

$60,000

2. “The Role of KLF7 in T cell Homeostasis” & “Incorporating Biomedical Advances into an Undergraduate Microbiology Course”

NIH IRADCA Postdoctoral Scholar Award

Principal Investigator, **A. Burns**

2009-2012

$8,000

3. “The Role of Memory B cells and Alloantibodies in Preventing Long-Term Allograft Survival” NIH F31-Ruth L. Kirschstein Predoctoral Individual National Research Service Award

Predoctoral Fellows

**Troutman, A (Maiden Name)** Pre-doctoral Fellow

2005-2009

$30,000/yr.

**B. National Scientific and Professional Participation (include dates and titles)**

1. Editorial Contributions

1. Ad Hoc Reviewer, American Thoracic Society- 2019-present
2. Ad Hoc Reviewer, Journal of Pediatric Gastroenterology and Nutrition- 2019-present
3. Ad Hoc Reviewer, Journal of Immunology- 2007-2009

2. Review Panels and Selection Committees

1. External Advisory Board, Child Health Scholars Pipeline Development (High School-Junior Faculty Trainees), Riley Hospital for Children at IU Health-Indiana University, 2020
2. Poster Abstract Reviewer, Pediatric Academic Societies Annual Meeting, 2019
3. Workshop Abstract Reviewer, Pediatric Academic Societies Annual Meeting, 2019-present
4. Education Research Study Survey Reviewer, Association of Pediatric Program Directors Annual Meeting, 2018-present
5. Poster Abstract Reviewer, Academy for Professionalism in Healthcare Annual Meeting, 2019-present
6. Member, Clinical Competency Review Committee, Physician-Scientist Track, Department of Pediatrics Residency Program 2017-current
7. Workshop Abstract Reviewer, Association of Pediatric Program Directors Annual Meeting, 2018-present
8. Member, Steering Committee, Department of Pediatrics, Physician-Scientist Residency Track, 2015-current
9. Scientific Review Officer, Baylor College of Medicine Pediatric Pediatrician-Scientist Program Pilot Grants Program, Mock Study Section (*Internal Mock K Grant Review Study Section for Physician-Scientist Residents)*, 2014-present
10. Faculty Mock Interviewer, Baylor College of Medicine Career Development Center, Mock Interview Program, MS4 Medical Students, 2018
11. Administrative Director, Texas Children’s Hospital Center for Human Immunology, Biorepository for Immunologic Analysis (BRIA*),* 2012-2016, *cell and tissue bank for immunologic samples with capacity to hold over 200,000 unique sample for biomedical research to discover rare immunologic diseases*
12. Judge, Annual Rice University Undergraduate Research Symposium, Houston, TX, Poster Session, 2015-2017
13. Judge, Annual Department of Pediatric Research Symposium, Poster Session, 2016, 2018
14. Judge, Baylor College of Medicine, 2nd Annual Local Undergraduate IRACDA Research Conference, Houston TX, June 2010

3. Professional Societies

1. Mixed Methods International Research Association (MMIRA)
2. International Conference on Residency Education (ICRE)
3. International Association for Medical Education (AMEE)
4. Academy of Professionalism in Healthcare (APHC)
5. Association of Pediatric Program Directors (APPD)
6. Academic Pediatric Association (APA)
7. Association of American Medical Colleges (AAMC)

4. Elected Positions

1. Diversity, Equity, and Inclusion Ambassador, Department of Education, Innovation, and Technology, (Departmental Representative), 3/2021-present
2. **National Chair Representative, Physician-Scientist Joint Taskforce, (*Invited Chairs of President or Vice President from Each National Pediatric Societ*y, *Represent-National Pediatrician-Scientist Collaborative Workgroup*), Society Host: American Medical Pediatric School Department Chairs, 9/2020-present**
3. Planning Committee, Association of Medical School Pediatric Department Chairs (AMSPDC) Virtual Webinar, Keeping The Torch Lit: Pursuing Research During Pediatric Fellowship Training, 9/10/2020 (*This inaugural virtual webinar is to support pediatric residents interested in pursuing careers in fellowship and sharing program avenues through the American Board of Pediatrics and NIH)*
4. Member, Association of American Medical Colleges (AAMC) Physician-Scientist Post-Graduate Training Sub-Committee, 3/2020-present
   1. Core Faculty, Best Evidence in Medical Education (BEME) Medical and Health Professional Education Collaboration, (*International Group of societies, universities, individuals committed to development of education informed education research study review*)
   2. CRIS Scholar, Texas Children’s Hospital Department of Pediatrics, Center for Research, Innovation, and Scholarship (CRIS), November 2019-present
5. **Founding Co-Chair, National Pediatrician-Scientist Collaborative Workgroup (NPSCW), (*Co-Created First Pediatric Workgroup to Identify Best Practices in Training Pediatric Physician-Scientist Residents Using Educational Research*) Multi-Institutional Consortium, 8/2018-present**
6. **Co-Chair, Council on Pediatric Subspecialties (CoPS), Recruiting and Sustaining Junior Faculty in Their Research Paths Workforce Action Team, (Spearhead *National Committee to Conduct Research Studies to Elucidate Challenges in Supporting Physician-Scientist Fellows and Junior Faculty***) 7/ 2018-present
7. Member, Association of Pediatric Program Directors (APPD), Underrepresented Minority Learning Community Retention National Workgroup, (*Develop annual workshops to teach Introduction to Qualitative Research Skills at Annual Meeting)* to 4/2015-present
8. Member, Research and Scholarship Learning Community, Association of Pediatric Program Directors, 2015-present
9. Co-Chair, Association of Pediatric Program Directors (APPD), Research & Scholarship Learning Community Qualitative Research Subcommittee, 4/2015-present
10. Co-Chair, Scholarly Session- Hot Topics Symposia, Pediatric Academic Society Annual Meeting: Fixing the Leaky Pipeline: Identifying Best Practices for Physician-Scientist Training During Residency, Baltimore, MD, 2019
11. Co-Chair Ancillary Business Meeting: National Pediatrician-Scientist Collaborative Workgroup, Pediatric Academic Society Annual Meeting, Baltimore, MD, 2019
    1. Member, Conference Planning Committee, Academy for Professionalism in Healthcare, 8/2019-present
12. Director of Special Projects, Department of Pediatrics, Section of Immunology, Allergy, Rheumatology, (Created Role by Division Head to Promote Education Research Amongst Center for Human Immunobiology Staff and Division Faculty) 9/2013 – 6/2018
13. Co-Director, Fundraiser Subcommittee, 17th Meeting of the Society for Natural Immunity (NK2018) Biennial International Meeting, San Antonio, TX, May 2018
14. Associate Program Director, Pediatrician-Scientist Training & Development Program (*PSTDP now renamed Physician-Scientist Program*), 9/2015-present
15. Co-Director, Texas Children’s Hospital Center for Human Immunobiology (TECHCHI) Annual Scientific Research Retreat, Galveston, TX, August 2013, 2014, Houston TX, August 2015, 2016
16. Co-Director, Inaugural William T. Shearer MD, PhD, Innovations in Primary Immunodeficiency & Clinical Immunology National Research Conference, Four Seasons Hotel, Houston, Texas, 2/2013

5. Invited Lectures, Presentations, Seminars

a. International

Invited Seminar:

1. Invited Co-Speaker, Workshop Title “ Coaching Learners Towards Formulating Professional Identity” International Conference on Residency Education 2020 Annual Meeting, **Vancouver, CA** (held virtually due to covid), 03/24/2021
2. Invited Co-Speaker, Workshop Title “Creating Antifragile Teams To Enrich Academic Productivity in Today’s VUCA (volatile, uncertain, complex, and ambiguous) World”, 2020 International Symposium of Medical Education at Taipei Veterans General Hospital, Theme “ Next Generation’s Leadership-Cultivation and Challenge”, Co-Speakers, Satid Thammasitboon MD, MHPE, Dorene Balmer PhD, **Taipei, Taiwan,** (held virtually due to covid),11/14/2020
3. Coaching Learners Towards Formulating Professional Identity, International Conference on Residency Education Annual Meeting, **Ottawa, CA,** 9/27/2019

Presentations:

1. Invited ePoster (senior author), Opportunities and Challenges in Training Pediatric Physician Scientists: A National Assessment of Residency Program Directors, Pediatric Academic Societies Annual Meeting, (held virtually due to covid), April 2021
2. Invited ePoster (senior author), Overcoming Barriers in Training Pediatric Physician-Scientist Residents Through Development of the National Pediatrician-Scientist Collaborative Workgroup, Association of Pediatric Program Directors Annual Spring Meeting, **Atlanta, GA**, (held virtual due to covid), 3/24/2021
3. Invited ePoster Presenter, Training Resident Learners in Science and Clinical Education Through Dual Professional Identity Formation: Early Outcomes of the Pediatrician-Scientist Training & Development Program, An International Association For Medical Education, **Glasgow, Scotland**, (held virtually due to covid) 9/7/2020
4. Invited Speaker, Grounding Pediatrician-Scientist Development in Professional Identity Formation: Early Outcomes of the Pediatrician-Scientist Training & Development Program, International Conference on Residency Education Annual Meeting, **Ottawa, CA**, 9/27/2019

b. National

Invited Seminar:

1. Invited Speaker, Strengthening the Pipeline: Developing Educational Experiences for Training Pediatrician-Scientists, Pediatric Grand Rounds, Riley Hospital for Children at IU Health-Indiana University, Indianapolis, IN, 2/26/2020
2. Invited Panelist, Introduction to the Landscape: Physician-Scientist Training Directors Panel, Association of American Medical Colleges (AAMC) GREAT Group MD-PhD Section Professional Development Annual Meeting, Bethesda, MD, 7/19/19
3. Invited Panelist, Research in Residency and Physician-Scientist Training Programs, Association of American Physicians/American Society of Clinical Investigation/American Physician-Scientist Association Annual Joint Meeting (AAP/ASCI/APSA), 4/16/19
4. Invited Speaker, National & International Efforts to Investigate Pan-Immunological Disorders, Xavier University of Louisiana, Department of Chemistry, New Orleans, LA, 10/15/15

Presentations:

1. Don’t Burnout! Instead Transform Your Curriculum: Building A Community of Inquriy to Optimize Virtual Learning, Co-Speaker (Co-led with Drs. Lindsey Cameron, Erika Abramson, Jennifer Benjamin, Oriaku Kas-Osoka, Tyree Winters, Satid Thammasitboon), Association of Pediatric Program Directors Annual Meeting, (held virtually due to covid), March 2021
2. Together We Rise - Improving the Patient-Doctor Relationship by Fostering Humanism Through Developing A Social Justice Curricula Rooted in Critical Consciousness, Lead Workshop Presenter (Co-Led with Drs. Julieana Nichols, MD, MPH, Susan Gillespie, MD, PhD, Patricia Poitevien, MD, MSc, Andria Tatem MD, Candice Taylor Lucas, MD, MPH, Laura Kester, MD, MPH, Lahia Yemane, MD) Association of Pediatric Program Directors Annual Meeting, (held virtually due to covid), March 2021
3. Achieving a Diverse Pediatric Workforce Webinar, Co-Speaker (Co-led with Dr. Debra Boyer, Colin Orr, Laurel Leslie, and Pnina Weiss), October 2020
4. Developing Physician-Scientists During Pediatric Residency Annual Association of Pediatric Program Directors Spring Meeting. Speaker, Workshop Co-Leader, (Co-led with Dr. Carrie Rassbach), March 2019
5. The Do’s and Don’ts for Designing An Effective Survey Half Day Workshop, 2019 Annual Association of Pediatric Program Directors Spring Meeting, Workshop Co-Presenter, March 2019
6. Fostering Social Justice Through Professional Identity Formation Growth in Employing Teamwork Workshop, 2019 Academy for Professionalism in Healthcare, May 2019.
7. Invited Panelist, “Research Residency Information Session & Discussion with PSTDP Directors and Trainees” and “Pursuing Research in Residency in Pediatrics Q&A Session”, Association of American Medical Colleges, 750 attendees, Virtual Webinar, 6/29/2020
8. Invited Speaker, Early Outcomes from the Pediatrician-Scientist Training & Development Program at Baylor College of Medicine, Scholarly Session, Pediatric Academic Societies Annual Meeting, Baltimore, MD, 4/28/2019

Workshops:

1. Invited Speaker, Why Integrate Research Into Residency? Journeys & Frontiers in Pediatric Research Breakout Session: Integrating Research in Residency: Transforming Clinical Training to Support Pediatrician Scientists, Pediatric Academic Societies 2020 Annual Meeting, Philadelphia PA, 5/1/20-5/20, Due to Covid-19 related conference cancellation, this peer-reviewed abstract and/or presentation was disseminated on 4/20/2020 to PAS 2020 Meeting Program Guide.
2. Invited Speaker, Refining Your Authentic Self: Personal Professional Identity Formation, Fellow Education Series, Riley Hospital for Children at IU Health-Indiana University, Indianapolis, IN, 2/25/2020

c. Regional

* 1. Invited Speaker, Physician-Scientist Program Opportunities for MD/PhD Students: The Pediatrician-Scientist Training & Development Program, Texas A&M Health Science Center School of Medicine MD/PhD Retreat, Baylor College of Medicine Workshop Leader, 12/3/17
  2. Invited Speaker, The Impact of B cells and Antibodies on Transplantation Tolerance Induction, Department of Biology, Chicago State University, Chicago, IL, 4/12/09

**C. Publications**

1. Full Papers in Peer Reviewed Journals

a. Published

1. **Burns AM, Ackerman , Thammasitboon S, Rassbach C, Ward M A, Blankenburg R, Forster C S, McPhillips H, Wenger T, Powell W, Heyman M B, Hogarty M, Boyer D, Hostetter , Weiss P, Nguyen S, Parsons D W, Moore D, Byrne B, French A, Orange J S. Fixing The Leaky Pipeline: Identifying Solutions For Improving Pediatrician-Scientist Training During Pediatric Residency. Pediatric Research. March 2020.**
2. **Burns AM**, Thammasitboon, S, Kushner, J, Ward M, Kline M, Raphael J, Turner T, Orange JS. Implementation of a Novel Curriculum and Fostering Professional Identity Formation of Pediatrician-Scientists. J Pediatrics. March 2019.
3. **Burns AM,** Kushner JA, Ward MA, Turner TL, Kline MW, Orange JS. Strengthening the Pipeline for Clinician-Scientists: The Pediatrician-Scientist Training and Development Program at Texas Children's Hospital. J Pediatrics. June 2016.
4. Yamada T, Park CS, **Burns A** Nakada D, and Lacorazza HD. The cytosolic protein G0S2 maintains quiescence in hematopoietic stem cells. PLoS One. May 2012.
5. Park CS, Lee PS, Yamada, T, **Burns, AM**, Puppi, M, and Lacorazza D. Kruppel-like factor 4 (KLF4) promotes the survival of natural killer cells and maintains the number of conventional dendritic cells in the spleen. *Accepted*. Journal of Leukocyte Biology. Feb. 2012.
6. **Burns, AM** and Chong A. Alloantibodies Prevent the Induction of Transplantation Tolerance by Enhancing Alloreactive T cell Priming.Journal of Immunology. 2010 Dec (186): 214-221.
7. **Burns AM,** Ma L, Li Y, Yin D, Shen J, Xu J and Chong A. Memory Alloreactive B cells and Alloantibodies Prevent Anti-CD154-Mediated Allograft Acceptance.Journal of Immunology. 2009 Feb (3):1314-24.
8. Nemeth, E, Valore, E, Territo, M, Schiller, G, Lichtenstein, A, and Ganz, T. Hepcidin, a putative mediator of anemia of inflammation, is a type II acute-phase protein. Blood. 2003 Apr (101) 2461-2463. **Acknowledged for experimental contributions.**
9. Henshel DS, DeWittJ, **Troutman, A.** Using chicken embryos for teratology studies. Curr. Protoc Toxicol. 2003 Feb (Chapt 13): 13.4 1-19.

b. Accepted/In Press

1. Forster C, Nguyen S, Powell W, Moore D, Ho J, Heyman M, Gonzalez F, Rassbach C, Boyer D, Weiss P, Blankenburg R, Orange JS, Ackerman K and **Burns AM**. “When Your Training Gets Quarantined: Advice on Sustaining Science and Mentoring During COVID-19”. *Accepted*. Pediatric Research. November 2020.
2. **Audrea M. Burns**, Daniel J. Moore, Catherine Forster, Weston Powell, Satid Thammasitboon, Margaret Hostetter, Pnina Weiss, Mark Ward, Rebecca Blankenburg, Melvin Heyman, Tara Wenger, Caroline Rassbach, Heather McPhillips, Anthony French, Michael Hogarty, Suong Nguye, Bobbi Byrne, Donald Williams Parsons, Fernando Gonzalez, Andrew Nowalk, Jacqueline Ho, Katie Barrett, Shelley Kumar, Joran S. Orange, Kate Ackerman.  A Nationwide Assessment of the Requisites Needs for Pediatric Physician-Scientist Training as Reported by Residency Program Directors. Academic Pediatrics. Submitted. November 2020.
3. Ligon, B, **Burns AM**, Thammasitboon S. Creating a Community of Inquiry: A Virtual Writing Retreat in the “New Normal” Caused by COVID-10”. MedEd Publish. Submitted. October 2020.

2. Full Papers Without Peer Review

a. Published

1. **Burns AM,** Thammasitboon S, Turner T, Fielder E, Parsons. Training Resident Learners in Science and Clinical Education Through Dual Professional Identity Formation: Early Outcomes of the Pediatrician-Scientist Training & Development Program”. The International Association for Medical Education (AMEE): The Virtual Experience”. ePoster-Virtual., September 2020.
2. Jain P, **Burns AM**. Coaching Learners Towards Formulating Professional Identity Using Threshold Concepts in Professionalism”. An International Association for Medical Education (AMEE) Annual Meeting, Vienna, Austria, August 2019.
3. **Burns AM**, Thammastiboon S, Kushner, J, Turner, TL, Ward, M, and Orange JS. “Grounding Pediatrician-Scientist Development in Professional Identity Formation: Early Outcomes of the Pediatrician-Scientist Training & Development Program”. Academies Learning Collaborative Meeting, Houston, TX, May 2018.
4. **Burns, AM,** Thammasitboon, S, Turner, TL, Ward, M, Orange, JS. “Implementation of a Novel Curriculum and Conceptual Framework for Pediatrician-Scientist Development”. Association of Pediatric Program Directors Annual Spring Meeting, March 2018.
5. **Burns AM**, Kushner, J, Orange JS. "”A Novel Approach to Training Pediatrician-Scientists During Intern Year of Pediatric Residency Training”, Texas Educators Academies Collaborative for Health Professions-Southeast Education Symposium, Coaching for Excellence: Developing Superstars in Health Professions, Galveston, TX, May 2017.
6. **Burns AM**, Kushner, J, Orange JS.“A Novel Approach to Training Pediatrician-Scientists During Intern Year of Pediatric Residency Training” Association of Pediatric Program Directors 2017 Annual Spring Meeting. “Adventures in Pediatric Medical Education: Small World, Big Impact”, Anaheim, CA, April 2017.
7. **Burns, AM**, Kushner J, Ward, M, Turner, M, Kline MW, Orange, JS, “Developing A Comprehensive Approach to Training Pediatrician-Scientists At Texas Children’s Hospital And Baylor College Of Medicine: The Pediatrician-Scientist Training & Development Program” Baylor College of Medicine, Department of Pediatrics Annual Educational Symposium: The Academies Collaborative “Assessment: The Driver of Learning”, 2016
8. **Burns, AM**, Kushner J, Ward, M, Turner, M, Kline MW, Orange, JS. “Developing A Comprehensive Approach to Training Pediatrician-Scientists At Texas Children’s Hospital and Baylor College Of Medicine: The Pediatrician-Scientist Training & Development Program”, Association of Pediatric Program Directors 2016 Annual Spring Meeting. “Education in the New Era of NAS” New Orleans, LA 2016.

b. In Preparation

3. Abstracts Given During Last Three Years (based on posters or oral presentations)

4. Books

a. Complete Books Written: n/a

b. Books Edited (include names of other editors, if applicable): n/a

c. Book Chapters Written

**Burns, AM** and Thomas, T. “Designing Mixed Methods Research”. Qualitative Research for Medical Educators, *In Preparation*, 2021.

5. Other Works Communicating Research Results to Scientific Colleagues (e.g., professional newsletters, blogs, video presentations, etc.)

* **Burns, AM,** Invited Blog Post, “A Day In The Life of A Clinician Educator”**,** Royal College of Physicians & Surgeons, International Conference on Residency Education Blog, link: <http://bit.ly/37Hx5Lp> (*Blog Seeks Advice From Selected to Provide Advice to Junior Faculty Clinician-Educators on Balancing Responsibilities and Build Community*) 2020

6. Other Works Communicating Research Results to General Public (e.g., newspaper and other print resources, web-based communications, video and television media)

**D. Innovation and Commercialization**

1. Patents (list applications, patents awards, business development resulting from patents)

2. Device, Software or Other Development

3. Evidence of Impacting Health/Scientific Policy or Clinical Practice Guidelines (e.g., note policy or guidelines where publications were cited)

4. Participation in Business Development and Commercialization

5. Other Activities

**III. Teaching Information**

**A. Educational Leadership Roles**

1. Co-Director, Baylor College of Medicine, Faculty College (Institution-Wide Medical Education Certification Program for Junior Faculty), April 2020-present
2. Member, Planning Committee, 8th Annual Meeting Academy for Professionalism in Health Care, May 2019-present
3. Founding Co-Director, International Scholars Program, Department of Pediatrics, Section of Immunology, Allergy, Rheumatology, (outreach in Latin America, Built 1st Primary Immunodeficiency Diagnostic Laboratory in Ecuador), September 2013 - June 2018
4. Co-Director, Developing Investigative Scholar’s Program (DISP), Department of Pediatrics, Section of Immunology, Allergy, Rheumatology; Department of BioSciences, Rice University, 2012-2018
5. Administrative Director, Texas Children’s Hospital Center for Human Immunobiology, Department of Pediatrics, Section of Immunology, Allergy, Rheumatology, August 2012- May 2017
6. Member, Planning Committee, “Cooking Up A Cure”, Texas Children’s Hospital Department of Pediatrics Annual Food Allergy Fundraiser, Houston, TX, 2016, 2017, 2018
7. Planning Co-Director, Texas Children’s Hospital Center for Human Immunobiology Developing Investigative Scholar’s Program Annual Research Colloquium, November 2014, Spring 2016, November 2017
8. Curriculum Orientation Director, Texas Children’s Hospital Center for Human Immunobiology Developing Investigative Scholar’s Program, Houston, TX, 2012-2017
9. Director, Rice University Bio115 Freshman Course “Introduction to Biomedical Research Laboratory Facility Tour”, Center for Human Immunobiology, 2013-2017
10. Associate Director, Faculty Research Retreat, Section of Immunology, Allergy, Rheumatology, Hotel ZaZa, Houston, Texas, August 2015
11. Co-Director, Planning Committee, Texas Children’s Hospital Center for Human Immunobiology Ribbon Cutting Ceremony “Translating Novel Discoveries in Human Immunology to Effective Targeted Clinical Therapies”, TCH, September 2013
12. Co-Director, Inaugural Kickoff William T. Shearer MD, PhD, Endowed Chair Fund Gala & Fundraiser Reception, Four Seasons Hotel, Houston, Texas, February 2013, 2015
13. Organizer, Section of Immunology, Allergy, Immunology, Faculty Manuscript Writing Group, 2013-2014
14. Member, Planning Committee, National IRACDA Conference, “Transforming Undergraduate Biomedical Education: Revisiting Bio 2010”. Houston TX: Member of Conference Planning Committee, Houston, TX, June 2011
15. Member, Planning Committee, 2nd Annual Local Undergraduate IRACDA Research Conference, Houston TX, June 2010

**B. Didactic Coursework (include dates, number of hours and approximate numbers of learners)**

1. Courses Taught at BCM Within the Primary Department

a. Pedi 101: Introduction to Professionalism & Professional Identity Formation, Department of Pediatrics Residency Program, 60-75 learners/yr., 2019-present, 40 hours/year

b. Introduction to Case Report Writing, Department of Pediatrics Residency Program, Physician-Scientist Track Half Block Session, 2-4 learners/yr., 2018-present, 2.5 hours/year

c. Rice Undergraduate Research Student Laboratory Meeting Faculty Leader, Developing Immunology Scholar’s Program (DISP), 2013-2017, 28 hours/year

2. Courses Taught at BCM External to the Primary Department (include number of hours)

a. 2020-present, 16 hours/year, Intersessions, Narrative Medicine Course, Baylor College of Medicine, Medical School (Novel Course), 8 sessions/yr., 8-13 learners/session

b. 2020, 10 hours, Baylor College of Medicine Elective, Wicked Problems in Medical Education, Education Design Research, 68 learners/yr.

3. Courses Taught at Other Institutions while at BCM

a. MBIO2305-Introduction to Microbiology, Department of Natural Sciences, University of Houston Downtown, 25 learners, 2011, 56 hours/year

4. Courses Taught Prior to BCM

a. Teaching Assistant, BIOS 25258 Immunopathology, Teaching Assistant, The University of Chicago, 2007, 14 hours/year

b. BIOS 252-Transplant Immunology, The University of Chicago, 2006, 2007, 28 hours/year

**C. Curriculum Development Work (include institution where work was done and whether work was disseminated beyond home institution)**

1. How to Write A Case Report, Co-Developer, (Novel Two-Week Writing Workshop, 8 Sessions), (Original Co-Developer with Dr. Jordan Orange, Current Pediatrics Chair at Columbia University) Department of Pediatrics Pediatrician-Scientist Track Residents- Interns, Baylor College of Medicine, Curriculum Published- Burns *et al*, J. Pediatrics, 2016-)

2. How to Write a Career Development K-Award, Co-Developer, (Novel Writing Workshop, 5 Sessions), (Co-developed with Dr. Jordan Orange) Department of Pediatrics Pediatrician-Scientist Track Residents- PGY2, Baylor College of Medicine

3. Career Development Workshop Series, Co-Developer, ( Novel Workshop, 5 Sessions), (Co-developed with Dr. Jordan Orange) Department of Pediatrics Pediatrician-Scientist Track Residents- PGY3

4. Integration of Biomedical Sciences in Undergraduate Microbiology Course, (Co-Developed with Dr. Lisa Moreno) Department of Natural Sciences University of Houston Downtown, Introductory Course for Freshman and Sophomores available for Majors and Nonmajors, Curriculum Disseminated at Institution

**D. Non-didactic Teaching (include teaching at BCM and any other teaching concurrent with or prior to teaching at BCM)**

1. Resident Training (include estimate of time spent, numbers of learners)

Amani Sanchez, March 2020-present, Identifying Troublesome Knowledge Presenting Success in Pediatric Trainees, Co-Investigator and Collaborative Mentor

2. Clinical Fellow Training (include names of fellows, dates, current location or position)

Stephanie Van der Plas, April 2020-present, Identifying Threshold Concepts to Becoming A Master Clinical Teacher, Steering Committee Member

3. Research Fellow Training: n/a

4. Graduate Student Training: n/a

5. Medical Student Mentoring: n/a

**E. Faculty Development or Continuing Medical Education (list contributions as a course developer, presenter, etc.)**

1. Workshop Co-Facilitator, Creating A Community of Inquiry for Virtual Learning, Faculty College Workshop, October 2020
2. Workshop Co-Facilitator, Baylor College of Medicine Norton Rose Fulbright Portfolio Preparation Workshop, Department of Pediatrics, September 2020
3. Workshop Presenter, Mendeley as Your Best Manager: Stay Abreast of Literature and Streamline Reference Management, Department of Pediatrics, Faculty College, June 2020
4. Workshop Presenter, The Virtual Writing Retreat for Medical Educators, Department of Pediatrics, May 2020
5. Workshop Presenter, Coaching Struggling Learners to the Finish Line: Fostering Professional Identity Formation Through Developing Threshold Concepts, Department of Pediatrics Faculty College, January 2020
6. Workshop Co-Presenter, Make An Impact Through Case Report Writing: The Crossroads of Scholarship, Education, and Clinical Care. Department of Pediatrics, (Co-Presented with Dr. Adam Wolfe) Section of Pediatric Hospital Medicine, January 2020
7. Workshop Co-Presenter, Developing Physician Scientists During Pediatric Residency. Association of Pediatric Program Directors Annual Spring Meeting, March 2019. <https://bit.ly/2RHr2h0>
8. Peer Coaching for Educators, Office of Faculty Development, Peer Coach: Satid Thammasitboon, Workshop- Fellow’s College “ Refining Your Authentic Self: Personal Professional Identity Formation, April 2018

**F. Lectures and Presentations (provide complete citation for each item; list invited lectures in II.B.5 and lectures, posters or presentations with published abstracts in section II.C.3)**

1. International

1. Invited Panelist, Critical Dialogue Series on Antiracism, HealthCare Leadership Education”, Continuing Education, International Summit on Leadership Education for Physicians, **Vancouver, CA,** (Held Virtually Due to Covid-19), 12/7/2020

2. National

1. The Role of KLF7 in Lymphopoiesis and Hematopoiesis, 98th Annual American Association of Immunologists Conference Block Symposia. San Francisco, CA, May 2011
2. The Impact of B cells and Antibodies on Transplantation Tolerance Induction, Seeding Postdoctoral Innovators in Research & Education (SPIRE), The University of North Carolina, Chapel Hill, November 2008
3. Alloantibodies Enhance Alloreactive T cell Priming, 96th Annual American Association of Immunologists Conference. Seattle, WA, May 2009
4. Alloantibodies Prevent anti-CD154-Mediated Skin Allograft Survival, Federation of American Societies for Experimental Biology (FASEB) Summer Research Conference on Transplantation Immunology, Poster Presenter, Yale University, New Haven, CT, June 2008.
5. Pre-sensitized B cells and Alloantibodies Prevent anti-CD154 Graft Acceptance, Great Lakes Immunology Transplant Forum, University of Michigan-Ann Arbor. Ann Arbor, MI”, October 2007.
6. Pre-sensitized B cells and Preformed Alloantibodies Induce anti-CD154 Cardiac Allograft Survival**,** 95th Annual American Association of Immunologists Conference. Miami, FL, May 2007
7. Memory B cells Prevent Transplantation Tolerance**,** American Transplant Congress, San Francisco, CA, April 2007
8. Memory B cells Prevent anti-CD154-Mediated Cardiac Allograft Survival**,** Poster Presenter**,** Regional Autumn Immunology Conference, Chicago, IL, November 2006
9. The Role of Memory B cells in Preventing anti-CD40L Mediated Heart Allograft Acceptance, American Transplant Conference, Seattle, WA, April 2005

3. Regional

a. You Should Write That Up! A Strategy for Developing Trainee Scholarship Through Clinical Case Reports, Workshop Co-Presenter, Texas Educators Academies Collaborative for Health Professions-Southeast Education Symposium, (Co-Presented with Dr. Adam Wolfe), May 2018.

b. Making the Most Of Your MD/PhD Training**,** Regional American Physician-Scientist Association Annual Meeting Southern, Judge & Invited Panelist, Houston, TX September 2018.

c. Will There Ever Be A Cure For Cancer? The Impact of Cancer on Society, Workshop Co-Presenter, University of Houston Downtown Freshman Convocation Series, October 2011.

d. Career Opportunities in the Biomedical Sciences, Panelist, University of Houston Downtown Scholar’s Academy, September 2011.

4. Local

a. Fostering Professional Identity Using Social Justice Curricula: Baylor College of Medicine Center of Excellence in Health Equity, Training, and Research, 3rd Annual Summer Research Summit, (Co-Led with Dr. Parag Jain), June 2020.

b. Coaching Learners Towards Professional Identity, Clinical Teachers as Coaches: A Symposium on How to Be a Master Coach, Workshop Co-Leader, Annual BCM Educator Symposium, (Co-Led with Dr. Parag Jain), October 2018.

c. Careers in Academia, Small Table Discussion, Faculty Speaker, International Women in Science Day, Rusk Middle School. Faculty Speaker, February 2019

d. Refining Your Authentic Self: Personal Professional Identity Formation. Fellows College, Department of Pediatrics, Baylor College of Medicine, April 2018

e. Make An Impact Through Case Report Writing: The Crossroads of Scholarship, Education, and Clinical Care, Faculty Retreat for Scholarly Writing, Workshop Co-Leader, Baylor College of Medicine, Department of Pediatrics, Center for Research, Innovation, and Scholarship, (Co-Led with Dr. Adam Wolfe) October 2018.

f. How to Prepare for Graduate School, The Summer Medical and Research Training (SMART) Postbaccalaureate Research Education Program (PREP) Graduate School Careers Fair, Invited Roundtable Discussion Leader, Baylor College of Medicine, June 2017

g. Why I Decided to Become a Scientist & An Educator, Invited Speaker, Rice University, Baker Institute for Public Policy, Civic Scientist Program, Northside High School, June 2016

h. Women in Science Career Development, Invited Faculty Panelist, Graduate Student Council, Career Development Series, Baylor College of Medicine, STEM Outreach Panel Discussion, August 2016

i. Career Development Roundtable Discussion, Opportunities for Diverse Careers for PhDs- Invited Panelist, 7th Annual REACH IRACDA Symposium: Faculty Discussion Co-Leader, November 2016,

j. How to Give Effective Poster Presentations, Texas Children’s Hospital Center for Human Immunobiology, Developing Investigative Scholar’s Program, 2016, 2015.

k. Introduction to Texas Children’s Laboratory Safety Policies and Procedures, Texas Children’s Hospital Center for Human Immunobiology, Developing Investigative Scholar’s Program, 2016, 2015.

l. The Center for Human Immunobiology: Accomplishments, Updates, and Future Goals, Texas Children’s Hospital Center for Human Immunobiology 1st Annual Retreat, Houston, TX, 2015.

m. The Role of KLF7 in Lymphopoiesis and Hematopoiesis, Texas Children’s Hospital Department of Pathology Research Seminar, 2012.

n. *The Role of KLF7 in Lymphopoiesis and Hematopoiesis.* 2nd Annual REACH IRACDA Conference, Houston, TX. 2011

o. Memory B cells Prevent anti-CD40L-Inducted Allograft Tolerance**,** B cells in Context Keystone Symposia Conference. Taos, NM. 2007

**G. Visiting Professorships:** n/a

**IV. Patient care and Clinical Contributions**

**A. Patient Care Responsibilities:** n/a

1. Department-wide

2. Section or Specialty

3. Clinical Service (hours/clinic half days, RVU metrics, etc.)

**B. Clinical Leadership or Business Development:** n/a

**C. Voluntary Health Organization Participation:** n/a

**D. Contributions, Initiatives or Recognition Related to Patient Safety and Healthcare Quality (include information about implementation, outcomes or dissemination, where applicable):** n/a

**E. Contributions to Health and Science Policy:** n/a

**V. SERVICE Contributions**

**A. Administrative Assignments and Committees (as noted in III.A)**

1. Department or Center Administration, Committees, etc.

a. Co-Director, International Scholars Program, Pediatrics, Immunology, Allergy, Rheumatology, 9/2013-6/2018

b. Administrative Director, Pediatrics, Immunology, Allergy, Rheumatology, 8/2012-5/2017

2. Institution-wide or School Administration, Committees, etc.

1. Co-Director, Faculty College, Baylor College of Medicine, Pediatrics (4/2019-present)
2. Member, Diversity Council, Baylor College of Medicine, Pediatrics, (9/2016-present)

**B. National, Regional or Local Participation in Professional or Voluntary Organizations**

National

1. Baylor Volunteer, National American Physician Scientist Association Annual Meeting, Recruitment of Physician-Scientist Track Applicant, Recruitment Table Faculty Liaison, 2017, 2018, 2019
2. Recruitment of Physician-Scientist Track Applicant, Recruitment Table Faculty Liaison, National MD/PhD Conference, 2018
3. Recruitment of Graduate Students, Annual Biomedical Research Conference for Minority Students (ABRCMS), 2006

Regional: n/a

Local: n/a

**C. Other Pertinent Information (not given above, including community service)**

International

1. Helped to setup research laboratory in Tuberculosis Clinic at Baylor Pediatric AIDS Initiative (BIPAI), Swaziland, Africa, 2014-2015
2. Helped to setup clinical diagnostic testing laboratory at Universidad San Francisco de Quito, Quito, Ecuador, 2014

Regional: n/a

Local

1. Nominee, President, Parent Teacher Organization, Beatrice Mayes Institute Charter School Nominated for extensive volunteer and participation in elementary school activities, 2019
2. Volunteer, Beatrice Mayes Institute Charter School Fall Harvest Annual Fundraiser, 2016-present
3. Volunteer, Beatrice Mayes Institute Charter School Field Day Teacher Helper, 2015-present
4. Volunteer, Beatrice Mayes Institute Charter School Field Trip Teacher Helper, 2015-present
5. Volunteer Member, Beatrice Mayes Institute Parent Teacher Organization, 2015-present
6. Volunteer, Wonderland Private School, Parent Teacher Organization, 2012-present
7. Volunteer, Wonderland Private School, Field Trip Teacher Helper, 2015-present
8. Volunteer Member, Christian Church Annual Back to School Food & Clothing Giveaway, 2008-present