

Introduction

The Department of Pediatrics views education as central to its global mission and its local long-term success. Our clinical training is built on the foundation of diagnosing and treating children from the large and diverse population we are privileged to serve in Dallas. As part of the only academic pediatric practice for children in the fourth largest metropolitan area in the United States, our trainees are shaped by their broad exposure to exceptionally diverse pathophysiology and our patients’ varied epidemiologic and social contexts. To offer depth to this process, we have cultivated our trainees and our faculty to consistently emphasize rigorous, mechanistic thinking. Departmental educational conferences like our Intern Case Conference with our Chairman and Chief Residents, the weekly Multidisciplinary Conference series created by Dr. Marilyn Punaro, and the Senior Resident led Friday Morning Report coached by our Chief Residents are now fundamental to our Department’s education culture: in which fundamental mechanisms of disease-and treatments-are discussed and explored in nuanced detail, among intellectually rigorous and curious colleagues.



Jeffrey McKinney, M.D., Ph.D.
 Professor, Vice Chair for Pediatric Education

A common theme in our educational efforts is pediatrician empowerment and intellectual curiosity-at all levels of training. Our educational culture intentionally encourages critical questioning of hierarchy and a healthy intellectual discourse. At bedside and in clinics during the past year, this has correlated with diagnostic discoveries or reversals by our trainees that have radically improved the care of specific patients. This is often due to the insights of our trainees who increasingly question assumptions: of each other and the broader system. Fears over the last decade that ACGME work hour restrictions would somehow hollow out the ethos (and/or critically reduce the “area under the curve”) of contemporary physician training have been addressed head-on here. Happily, we seem to have reached a healthy equilibrium state where our better rested, increasingly well-read, teams of M.D.’s engage in ways that make up for the potential disruptions of recurring circadian swaps of doctors. Part of this has been achieved by attention to programmatic details like our call schedules: designed to create overlap of trainees in ways that have increased the continuity of care offered by our teams. Most of it has been accomplished via our trainees’ dependably critical appraisal and questioning of their colleagues’ hypotheses and thought processes – at all hours and in almost all environments. Our Chief Residents have been effective champions of both. As fellow faculty members, they have significant empowerment and impact. This, and their comprehensive influence upon education in and by our Department, appears to be a major reason why a major percentage of each resident class volunteers each year to be chief residency candidates.

Associate Program Directors

In 2018, our residency program completed its recruitment and integration of our full trio of Associate Program Directors.



Pamela Okada, M.D.



Mackenzie Frost, M.D.



Andrew Yu, M.D.

Our three Associate Program Directors allow our program to further examine and respond to class cohort specific needs, via our APDs’ longitudinal tracking of the mentoring our clinical competency committee members offer to each of our residents.

Next, we seek to more formally “mentor our educational mentors” as part of the ongoing collaborative efforts of this highly committed group of educational faculty. Our current clinical competency committee group members, listed by 2018-2019 academic year class, below.

- Clinical Competency Committee Members for 2018-2019 Third Year Residents: Jennifer Fuchs, Pam Okada, Ashish Patel, Yadira Rivera-Sanchez, William Scott, Tiffany Simms-Waldrip and Jennifer Walsh.
- Clinical Competency Committee Members for 2018-2019 Second Year Residents: Archana Dhar, Sing-Yi Feng, Athra Kaviani, Andy Yu, Rana Said, Maeve Sheehan, Jennifer Walsh, and Tracy Wright.
- Clinical Competency Committee Members for 2018-2019 First Year Residents: Soumya Adhikari, John Andersen, Elizabeth Brown, Sam Davila, Mackenzie Frost, Rana Said, Kavita Sharma, Jennifer Walsh and Matt Wolf.

While our clinical competency committee addresses mandated program requirements, like ACGME milestones assessments, we also have intentionally emphasized career coaching and individualized curriculum support for each of our residents. Consistent with UT Southwestern’s Graduate Medical Education initiatives to build out of trainee wellness resources, our mentoring process also offers respectful, discrete, support of personal needs – behind a robust firewall of privacy. While drawing from intentionally distinct groups, anonymized summary overview reports from our UTSW GME colleagues suggest that our Department’s trainees are well connected with wellness center resources – and indeed have become campus role models for attending to long term physician wellness and resiliency.

Each of our APDs also manages a diverse portfolio of programmatic projects, designed to create and advance new educational opportunities and resources for our trainees. A sampling of these include Pamela Okada’s community outreach efforts, strengthening mutually beneficial ties between our Department and leading community pediatric practices in the metroplex; Mackenzie Frost’s robust pathways of quality improvement training sequences for residents; and Andy Yu’s thoughtful assessments of our current educational sessions’ scope and impact – plus our first forays into social media and alumni network cultivation.

Faculty

We continue to offer on-site Ambulatory Pediatrics Training with designated UTSW faculty; now in a clinic with significantly improved patient access and resources. Information about these faculty members is below.

Nancy Kelly, M.D., M.P.H.

Professor
 Director, Community Pediatrics and Advocacy Program
 for Pediatric Residents

Angela Mihalic, M.D.

Professor
 Associate Dean for Student Affairs

Michael Lee, M.D.

Associate Professor

Dorothy Sendelbach, M.D.

Professor
 Assistant Dean for Undergraduate Medical Education

Honors / Awards

Nancy Kelly

- Elected to serve as Communications Director, Academic Pediatric Association Board of Directors (2018-2020)

Michael Lee

- 2018 Texas Super Doctor, *Texas Monthly Magazine*

Jeffrey McKinney

- Mentoring Award - UT Southwestern Leaders in Clinical Excellence
- Best Pediatric Specialists in Dallas, *D Magazine*

Angela Mihalic

- UT Southwestern Commencement Faculty Marshal, elected by graduating class of 2018
- UT Southwestern Outstanding Teacher Award, Low Exposure, Class of 2021 Pre-Clerkship

Dorothy Sendelbach

- Regents Outstanding Teaching Award, UT System

Invited Lectures

Nancy Kelly

- UT Maternal & Child Health Training Program Seminar, UT School of Public Health, Dallas, TX, January 2018
 - *“Immunization Concerns: Separating Fact from Fiction”* (3-hour seminar video conferenced to Houston, Austin, Brownsville, and Michigan campuses)
- Children’s Health Live: Practice to Practice Series, Dallas, TX, April 2018
 - *“Vaccine Hesitancy: The Challenge for the Provider”*
- Lumin Bachman Lake Community School Health Services Advisory Committee, Dallas, TX, October 2018
 - *“Community Partnerships: Teaching Valuable Lessons to Future Doctors”*
- 2018 CPTI Rome Visiting Professorship, TEACH TX Collaborative Conference, Houston, TX, November 2018
 - *“Making Advocacy Part of Your Career”* – one of 4 panelists
 - *“A Lesson in History: CPTI, Collaboratives, TEACH, and TPS”* – one of 4 speakers
- Plugged in to DFW, “Children’s Health”, hosted by Karen Borta, CBS DFW channels 11 and 21, December 2018
 - *“Importance of Vaccines”* ([Video](#))

Dr. Jeff McKinney received one of the inaugural UT Southwestern Leaders in Clinical Excellence awards - the Mentoring Award. This award celebrates clinicians who demonstrate exceptional commitment and effectiveness as a mentor to health care providers. Recipients are recognized not only for their clinical excellence, but also for their willingness to share time and expertise as they guide, nurture, and mentor medical students, residents, clinical staff, or other providers and colleagues.

Media Appearance / Print

Michael Lee

- Children’s Health Dallas Website-Parenting Advice, December 2018
“Common Cold in Babies”

Conference Presentations by Faculty

Teran P, Wong R, Van Ramshorst R, Kunnel S, Loh M, Fang J, **Kelly N.**

- Pediatric Academic Societies Meeting, Toronto, Canada, May 2018
Poster, *“Evaluation of Legislative Advocacy Alerts for Texas Pediatric Residents”*

Mihalic AP, Horn KV, Kass JS.

- Peer-reviewed Invited Workshop, AAMC Continuum Connections: Joint Meeting of the GSA, GRA, OSR and ORR, Orlando, FL, April 2018
“Seeking Transparency in Application to Residency – Texas Unite to Obtain and Provide Data to Support Students”

Research

Nancy Kelly

- Research Advisor for 2018-2019 Resident AAP CATCH Grant Recipients, Drs. Camille Keenan and Annie Kennelly

Peer-Reviewed Publication

- Flores G, Lin H, Walker C, **Lee M**, et al. [Parent Mentoring Program Increases Coverage Rates For Uninsured Latino Children](#). Health Aff (Millwood). 2018 Mar;37(3):403-412. PMID: 29505379

Education and Training

Medical Student Education



Soumya Adhikari, M.D.
 Associate Professor
 Director of Medical Student
 Education, Pediatrics

As one of six medical schools in the University of Texas system, UT Southwestern accepts approximately 230-240 students annually. The education of these students remains one of the core missions of the Department of Pediatrics. A solid foundation in childhood health and illness has long been recognized as one of the central components of a well-rounded medical education, and the Department of Pediatrics strives to offer students the opportunity to explore the full breadth of pediatric medical care through our many programs.

At the center of these offerings is the core clerkship in Pediatrics for third-year medical students at UT Southwestern. This required element of the medical curriculum consists of a six-week rotation through the many care units housed at Children’s Medical Center, in addition to the Newborn Nursery at Parkland Health & Hospital System. During this six-week rotation, students spend four weeks on the inpatient service units at Children’s, a week in the Emergency Department, and a week in the nursery. The inpatient experience

is aligned to maximize student participation in all aspects of patient care: students spend two weeks of their time on a general inpatient medicine ward and two weeks on one of the hospital’s subspecialty wards.

In addition, pediatric training makes up a significant core of the Ambulatory Care Clerkship, itself a six-week experience during which students rotate through the offices of one of a number of community-based pediatricians in the North Texas region in addition to rotations through the breadth of subspecialty clinics on the Children’s Medical Center campus.

A full curriculum based on the core competencies as published by the Council on Medical Student Education in Pediatrics (COMSEP) is taught through bedside clinical supervision and daily rounds, in addition to various didactic sessions, interactive case-based discussions, and team-based learning sessions where students work in assigned teams to solve real world case simulations. Students also participate in community advocacy through their involvement in nutrition education programs for elementary school students in the Dallas Independent School District. The entire curriculum is reviewed on an ongoing basis based on feedback from medical school faculty, national regulatory agencies and students themselves. UT Southwestern recently implemented a broad ranging curriculum reform effort designed to better integrate the basic sciences and clinical disciplines throughout the four-year medical school experience.



Dr. William Scott, Cardiology, with medical students Olivia Nguyen and Hiep Phan

Fourth-year medical students at UT Southwestern have more flexibility to tailor their academic schedule to meet individual learning goals. Whether students want to gain a more in-depth exposure to pediatric subspecialties in preparation for an eventual career in pediatrics or to strengthen their foundation in caring for children in advance of another career path, the department offers numerous opportunities to fourth-year students through the facilities at Children’s and Parkland. Students can immerse themselves in acute/intensive care experiences via rotations in the Neonatal Intensive Care Unit, the Pediatric Intensive Care Unit, Cardiovascular Intensive Care Unit and Pediatric Emergency Department. Extended experiences in any of a number of subspecialty clinics including Pediatric Hematology-Oncology, Nephrology, Gastroenterology, Endocrinology and others are available for fourth-year students as well. In addition, ~30-40 students from outside institutions come to

UT Southwestern and Children’s Medical Center annually to do visiting rotations in pediatrics. The department also offers international elective opportunities to attract top students globally to do visiting rotations in Dallas every year.

Resident involvement in medical student education continues to be one of the hallmarks of the educational experience for UTSW medical students on their pediatric rotations. Our Chief Residents now directly coach medical students via their faculty sponsorship of the UTSW Medical School’s Pediatric Interest Group, and residents often partner with medical students on scholarly projects. All of our senior house staff also create and present high visibility, resident-led, teaching conferences to intentionally draw medical students into deep discussions of pediatric disease processes, treatment mechanisms, and social determinants of health.

Perhaps more telling than any of the above, is that 166 UT Southwestern students have chosen to pursue a career in pediatrics or some combined program including pediatrics in the last five years, many here at UT Southwestern.

Resident Education

We continue to optimize our educational venues and programming in an effort to best prepare our trainees for long-term career success.

In our residency program, this includes our intentional de-garrisoning of our M.D.’s longitudinal continuity clinic training opportunities, to link UT Southwestern educational systems to our broader community of high-quality pediatricians. This effort has benefitted from the thoughtful contributions of our residency program Associate Program Director, Pamela Okada.

Pediatric Chief Residents



2017-2018

Andrew Yu, Diana Nichols-Vinueza, Reese Mathieu IV, and Jessica Landry



2018-2019

Peter Hong, Aarusha Das, Taylor Smith, and Timothy Chow

As part of this process, we have now created a nascent network of clinically rigorous and innovative community-based pediatric educational partners. Anecdotally, the meaningful contact and mutual respect fostered between our Department and these excellent community-based pediatricians may have contributed to the large number of last year’s residency graduates who chose primary care for their careers. Modeled on co-op educational systems common in top engineering

schools, our community-based partners have now also become extremely helpful in career networking and in well informed job placement advice for our residents, especially our residents who chose to stay on practice in our region.

Likewise, our intramural educational innovations like our individualized curriculum are led by faculty who have become highly engaged in the nuances of nationally competitive career development for our trainees. Our residency Associate Program Director, Mackenzie Frost, has been very influential in this effort. Continued education innovation, like the new academic half days for residents on elective rotations, allows the program to deliver curriculum in novel ways that best suits a wide array of content while engaging our trainees in interactive programming.

Our residency program(s) now include an increasing number of highly innovative dual training paths: including Pediatric Neurology, Pediatric Neurodevelopment Disabilities, and Medicine-Pediatrics. These joint programs have reached high levels of collaboration in their talent recruitment, development and advancement efforts. We also now have dedicated support for residents interested in research. This includes our established Physician Scientist Training Program in Pediatrics, led by Dr. Philip Shaul, and our new Burroughs Wellcome Funded Training Resident Doctors as Innovators in Science Program, led by Dr. Dwight Towler.

A primary goal of all our educational programs is now nationally competitive career development, executed at individual scales for each of our trainees. Our residency Associate Program Director, Mackenzie Frost, has developed a formal curriculum for Fellowship Preparation which includes guidance on the application process, interview strategy, and the residents' transition to the role of fellow. A similar program is being developed for our residents pursuing primary care. We formally track the "diaspora" of our trainees, as shown in the geography of recent residency program graduates career destinations.

With our emphasis on our residents' and fellows' career development, we also seek to consistently promote their advanced endeavors like meaningful scholarly projects and individualized training. This year, many of our trainees presented their work in venues like the Pediatric Academic Societies national meetings, and in robust fellowship and resident research presentation days.



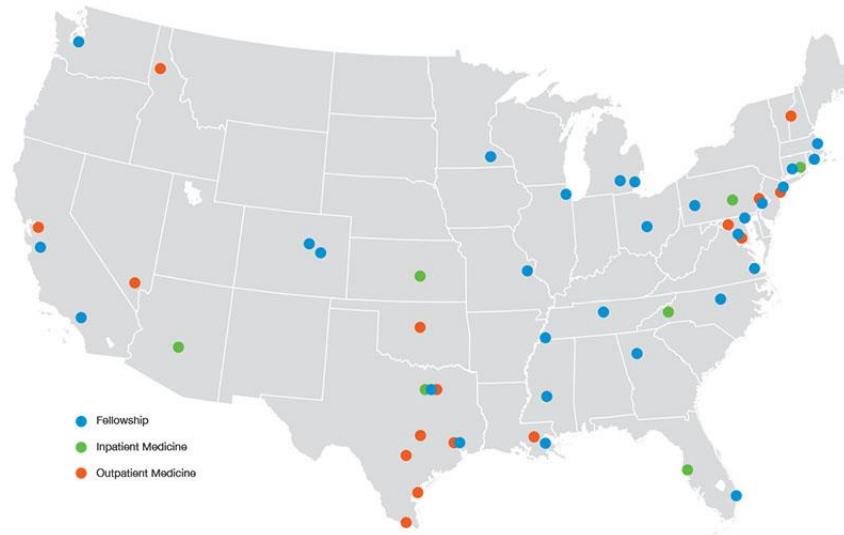
Pediatric Residents – June 2018

Recent Resident Graduates

The locales of our recent resident graduates' first jobs after residency training at UT Southwestern

*Color key denotes fellowship, inpatient medicine attending and outpatient medicine attending, respectively.
Next, we seek to create a meaningful alumni network among this group.*

Listing of mapped locations by specialty



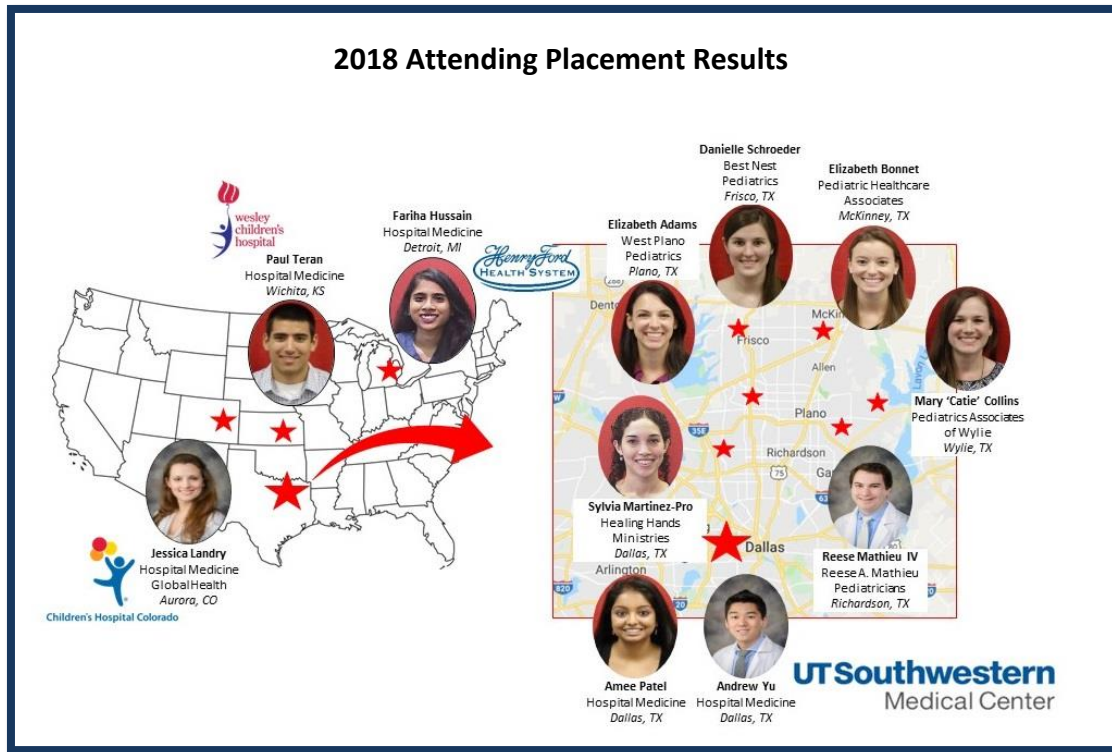
- Academic Pediatrics
 - Robert Wood Johnson Clinical Scholars Program, University of Pennsylvania (Philadelphia, PA)
- Allergy and Immunology
 - National Institute of Allergy and Infectious Disease (Bethesda, MD)
 - National Jewish Health, University of Colorado (Denver, CO)
 - University of Mississippi (Jackson, MS)
 - Wayne State University (Detroit, MI)
 - Yale-New Haven Medical Center, Yale School of Medicine (New Haven, CT)
- Cardiology
 - Boston Children’s Hospital, Harvard University (Boston, MA)
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Healthcare of Atlanta, Emory University (Atlanta, GA)
 - Children’s Hospital of Philadelphia, University of Pennsylvania (Philadelphia, PA)
 - Children’s National Health System, George Washington University (Washington DC)
 - CS Mott Children’s Hospital, University of Michigan (Ann Arbor, MI)
 - Lurie Children’s, Northwestern University Feinberg School of Medicine
 - Nicklaus Children’s Hospital, Miami Children’s Health System (Miami, FL)
- Child Abuse Protection
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Texas Children’s Hospital, Baylor College of Medicine (Houston, TX)
- Critical Care
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Hospital Colorado, University of Colorado School of Medicine (Aurora, CO)
 - Johns Hopkins Hospital (Baltimore, MD)
 - Mayo Clinic Children’s Center (Rochester, MN)
 - New York Presbyterian Hospital, Weill Cornell Medical Center (New York, NY)
 - Phoenix Children’s Hospital (Phoenix, AZ)

- **Emergency Medicine**
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Hospital of Philadelphia, University of Pennsylvania (Philadelphia, PA)
 - CHKD, Eastern Virginia Medical School (Norfolk, VA)
 - Dell Children’s medical Center, University of Texas at Austin (Austin, TX)
 - Vanderbilt University Medical Center (Nashville, TN)
- **Endocrinology**
 - Boston Children’s Hospital, Harvard University (Boston, MA)
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Hospital Los Angeles, Keck School of Medicine at the University of Southern California (Los Angeles, CA)
 - Children’s Hospital of Philadelphia, University of Pennsylvania (Philadelphia, PA)
 - Texas Children’s Hospital, Baylor College of Medicine (Houston, TX)
- **Gastroenterology**
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Hospital Colorado, University of Colorado School of Medicine (Aurora, CO)
 - Children’s Hospital of Pittsburgh, UPMC (Pittsburgh, PA)
 - Texas Children’s Hospital, Baylor College of Medicine (Houston, TX)
- **General Outpatient Pediatrics**
 - California: Oakland
 - Idaho: Coeur d’Alene (FQHC)
 - Louisiana: Gonzales
 - Maryland: Gaithersburg
 - Nevada: Las Vegas
 - New Hampshire: Hanover
 - New York: New York City
 - Oklahoma: Oklahoma City (Indian Health Service)
 - Pennsylvania: Philadelphia
 - Texas: Dallas, Austin, Houston, San Antonio (FQHC), Corpus Christi, Brownsville
 - Washington, DC
- **Hematology-Oncology**
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Healthcare of Atlanta, Emory University (Atlanta, GA)
 - Children’s Hospital Colorado, University of Colorado School of Medicine (Aurora, CO)
 - Children’s Hospital Los Angeles, Keck School of Medicine at the University of Southern California (Los Angeles, CA)
 - Children’s Hospital of New Orleans, LSU Health Sciences Center (New Orleans, LA)
 - Comer Children’s Hospital, The University of Chicago (Chicago, IL)
 - CS Mott Children’s Hospital, University of Michigan (Ann Arbor, MI)
 - Hadassah Medical Center, Jerusalem, Israel
 - Johns Hopkins University (Baltimore, MD)
 - Lucile Packard Children’s Hospital, Stanford University (Palo Alto, CA)
 - Lurie Children’s, Northwestern University Feinberg School of Medicine (Chicago, IL)
 - Memorial Sloan Kettering Cancer Center (New York City, NY)
 - Nationwide Children’s Hospital (Columbus, OH)
 - Seattle Children’s Hospital, University of Washington (Seattle, WA)
 - St. Jude Children’s Research Hospital (Memphis, TN)
 - Texas Children’s Hospital, Baylor College of Medicine (Houston, TX)
- **Hospitalist Medicine**
 - Cardon Children’s Medical Center, Banner Desert Medical Center (Mesa, AZ)
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Johns Hopkins All Children’s Hospital (St. Petersburg, FL)
 - Kibogora Hospital, Rwanda

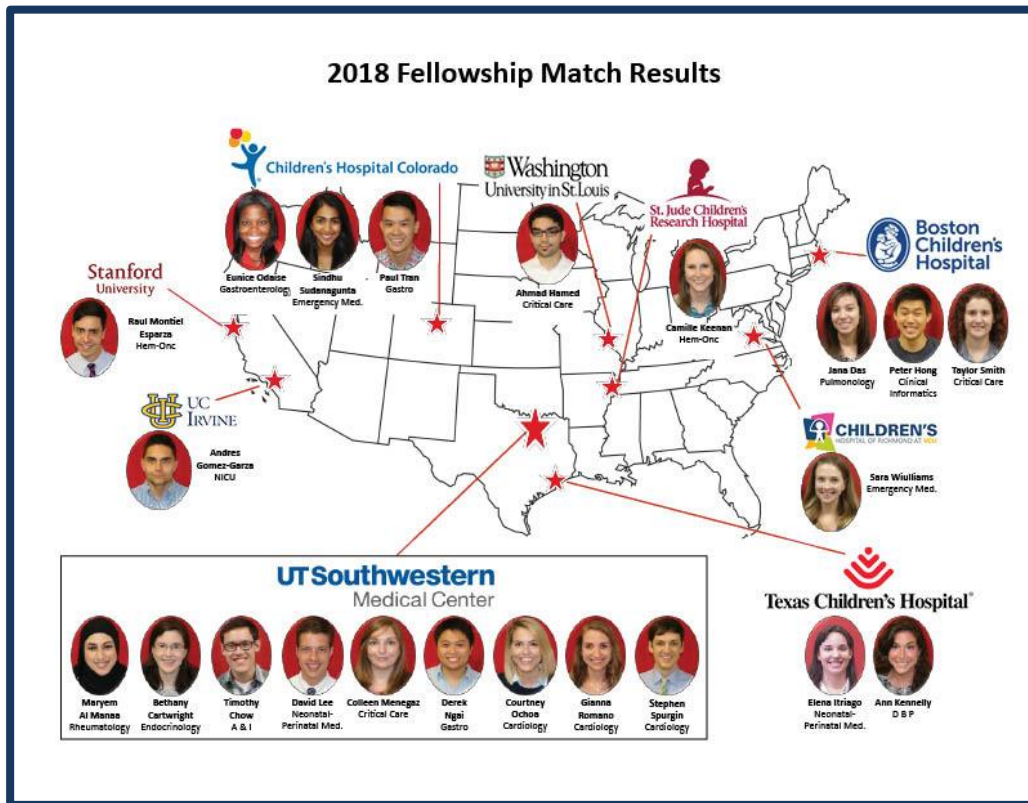
- Lawrence + Memorial Hospital, Yale New Haven Health (New London, CT)
- Mission Children’s Hospital (Asheville, NC)
- Penn State Children’s Hospital (Hershey, PA)
- Wesley Children’s Hospital, KU School of Medicine-Wichita (Wichita, KS)
- Infectious Diseases
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Hospital of Philadelphia, University of Pennsylvania (Philadelphia, PA)
 - Texas Children’s Hospital, Baylor College of Medicine (Houston, TX)
 - Yale-New Haven Children’s Hospital, Yale School of Medicine (New Haven, CT)
- Neonatal-Perinatal Medicine
 - Boston Children’s Hospital, Harvard University (Boston, MA)
 - Comer Children’s Hospital, The University of Chicago (Chicago, IL)
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Hospital New Orleans, Louisiana State University
 - Doernbecher Children’s Hospital, Oregon Health & Science University (Portland, OR)
 - Hasbro Children’s Hospital, Alpert Medical School of Brown University (Providence, RI)
 - Lurie Children’s, Northwestern University Feinberg School of Medicine (Chicago, IL)
 - Parkland Hospital, UT Southwestern (Dallas, TX)
 - Seattle Children’s Hospital, University of Washington (Seattle, WA)
 - St. Louis Children’s Hospital, Washington University (St. Louis, MO)
 - Texas Children’s Hospital, Baylor College of Medicine (Houston, TX)
 - University of Tennessee Health Science Center (Memphis, TN)
 - Yale-New Haven Children’s Hospital, Yale School of Medicine (New Haven, CT)
- Neurology / Neurodevelopmental Disorders
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
- Psychiatry
 - Children’s Hospital of Philadelphia, University of Pennsylvania (Philadelphia, PA)
- Pulmonology
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Children’s Hospital Colorado, University of Colorado School of Medicine (Aurora, CO)
 - Duke Children’s Hospital, Duke University School of Medicine (Durham, NC)
 - St. Louis Children’s Hospital, Washington University (St. Louis, MO)
 - Texas Children’s Hospital, Baylor College of Medicine (Houston, TX)
- Rheumatology
 - Children’s Health Dallas, UT Southwestern (Dallas, TX)
 - Lucile Packard Children’s Hospital, Stanford University (Palo Alto, CA)
 - Texas Children’s Hospital, Baylor College of Medicine (Houston, TX)

Modeled on co-op educational systems common in top engineering schools, our community-based partners have now also become extremely helpful in career networking and in well informed job placement advice for our residents, especially our residents who chose to stay on practice in our region.

The locales of our most recent residents' attending positions graduation



The locales of our most recent residents' fellowship training programs after graduation



2018 Conference Presentations – Residents

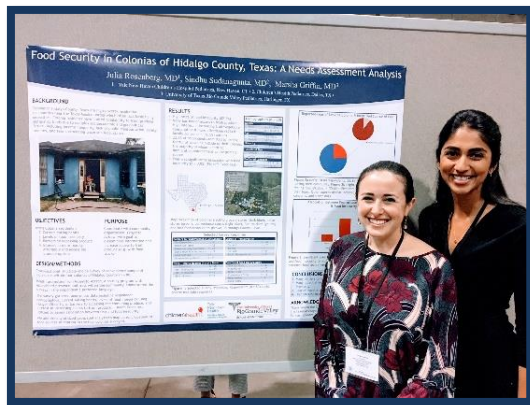
Poster Presentations – Pediatric Academic Society/Society of Pediatric Research, Toronto, Canada, May 2018

Dettori A, Young V, Pittman C, Zepeda M, Thomsen C, Danaher D, Macias C, Darnell Bowens C, Badawy M, Mittal V. (3rd Year)

- *“State-based Bronchiolitis QI Collaborative Benchmarking Data Improves Local Children’s Hospitals Long Term CXR Performance Metrics—A Children’s Hospitals Across Texas (CHAT) Collaborative Experience”*

Hoge M, Hoppe E, Clark H, Walker K, Fevrier J, Bollers L, Ramon E, Fink M, **Lee D**, Frost M. (2rd Year)

- *“A Quality Improvement Project to Improve Assessment of Parental Stress in NICU”*



Sindhu Sudanagunta, M.D. (r) with Julia Rosenberg, M.D. (Yale Coordinator)
Pediatric Academic Society

Rosenberg J, **Sudanagunta S**, Griffin M. (2nd Year)

- *“Food Security in Colonias of Hidalgo County, Texas: A Needs Assessment Analysis”*

Teran P, Wong R, Van Ramshorst R, Kunnel S, Loh M, Fang J, Kelly N. (3rd Years)

- *“Evaluation of Legislative Advocacy Alerts for Texas Pediatric Residents”*

Williams J, Frost N, Frost M. (3rd Year)

- *“Providing a Brief “Reflection Period” After Prenatal Consultation: Effects on Parental Recall and Self-Reported Comprehension”*

Poster Presentations – Other Conferences

Jones J, Miller S. (3rd Year)

- American Medical Society of Sports Medicine 2018 Conference, Orlando, FL, April 2018
“An Old Problem in a Young Patient with a Limp”

Chow T, Park J, Gurram B, Kwon J, Mir A, Stewart K, Wysocki C, De la Morena M. (3rd Year)

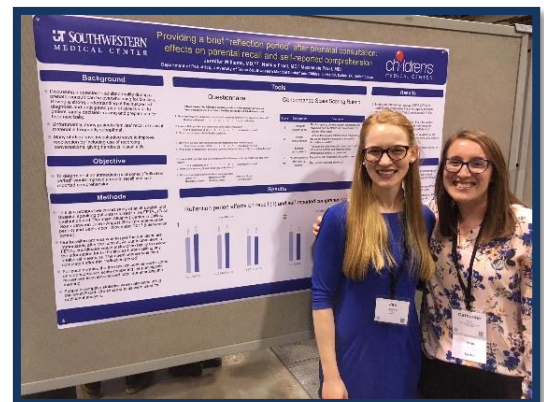
- Clinical immunology Society 2018 Conference, Toronto, Canada, April 2018
“The Evolving Phenotypes of Forkhead Box P3 Mutations”

Das A, Hamdan H, Afolabi F, Caraballo M, Feng S, Bansal B, Shah G. (3rd Year)

- American Thoracic Society 2018 Conference, San Diego, CA, May 2018
“When Wheezing Isn’t Asthma: A Case of Mucoepidermoid Carcinoma of the Trachea”

Ralston B, Weller J, Taylor D, Lovett K, Owen R, Demaster L, Guidi R, Davies R, Schuettner K, Lantz J, Hupp S. (3rd Year)

- UT Southwestern Simulation-Based Quality Improvement and Research Forum, Dallas, TX, May 2018
“Multidisciplinary in Situ Longitudinal Simulation Model for Unanticipated Extracorporeal Cardiopulmonary Resuscitation in Pediatric Heart Failure”



Jennifer Williams, M.D. (l) with Catherine Buck, M.D. (O’Neill-former UTSW Pediatric Chief Resident)
Pediatric Academic Society

Sudanagunta S, Rosenberg J, Griffin M. (2nd Year)

- North American Refugee Health Conference 2018, Portland, OR, June 2018
“Food Security in Colonias of Hidalgo County, Texas: A Needs Assessment Analysis”

Itriago E, Rubinos L. (3rd Year)

- Children’s Hospitals Neonatal Consortium 10th Annual Quality & Research Symposium, Columbus, OH, October 2018
“Optimizing pain and sedation management for neonates and infants in the ICU”

Sanchez M, Lee B. (3rd Year)

- American Academy of Pediatrics National Conference & Exhibition 2018, Orlando, FL, November 2018
“Epigastric Abdominal Pain and Weight Loss in a 17-Year-Old Male: Pre-Pulseless Takayasu Arteritis”

Jones J, **Chen D**, Scott W. (2nd Year)

- American Academy of Pediatrics National Conference & Exhibition 2018, Orlando, FL, November 2018
“A Hidden Heart Problem”



6th Annual Residents’ Scholarly Project Symposium

Fellowship Education



Mackenzie S. Frost, M.D., M.Ed.
Director, Pediatric Fellowship Education
Assoc. Residency Director, Pediatrics
Assoc. Fellowship Director, Neonatal-
Perinatal Medicine

Our fellows' core curriculum sessions are now being led by Mackenzie Frost. Working with Fellows, with Fellowship Program Directors, and with Jeff McKinney, Dr. Frost is reorganizing these weekly events as a focus of our fellows' professional development and their long-term career success.

Scholarship Oversight Committee reports for every fellow are now being reviewed at the Departmental level, as part of our longitudinal tracking of fellows' career development opportunities-particularly as related to their research mentorship and competitiveness for jobs in our Department and in our peer academic institutions. In addition, Mackenzie Frost, as the new Director of Pediatric Fellowship education, has begun to revamp the Fellowship Core Curriculum series with an increased utilization of adult learning theory and a focus on topics key to academic success: for example, an essentials in writing series has been developed to focus on the components of successful manuscripts and a hands-on CV/cover letter writing workshop has been added to aid in the fellows' job search preparation.

In successive annual seasons, we have continued to expand our educational programs' recruiting reach and competitiveness. Based on candidates' follow-up communications, this may be due to the increasing contributions of our current and recent trainees to our national recruitment efforts. We have also intentionally expanded our faculty interviewer pool and practices, incorporating engaged faculty from every division for our resident recruiting processes, and better matching specific candidates to faculty with whom they appear to have shared interests or backgrounds. This may allow both our residency and fellowship programs new mechanisms by which they can also continue to expand their national recruiting reach and allow our Department to build a desirably robust talent pipeline across the resident-fellow training sequence. Our Physician Scientist Training Program in Pediatrics (PSTP2) is a prime example of this approach, in which select residents are offered ongoing research training support that extends across their residency and fellowship years and provided direct career mentorship by Philip Shaul.

Subjectively, visitors to our program consistently comment on our trainees' high morale and their sense of influence over our educational programs. Objectively, we have record low levels of trainee attrition and disciplinary actions. We have also partnered with UT Southwestern Graduate Medical Education initiatives that have systematically promoted the wellbeing of residents and fellows. This is manifest both in resources like the UTSW residents' and fellows' wellness center, and via policies and procedures designed to default to actions that consistently support trainees.

In our residencies and our fellowships, we have integrated efforts of Program Directors and Program Coordinators in ways that are increasingly allowing our educational programs to share best practices with each other. Our educational websites have been redesigned to allow individual training program specific highlights, yet also a functional level of intradepartmental linkage. Some of our educational programs now have high quality dedicated printed recruiting materials, featuring the accomplishments of current fellows and their training opportunities here. The Pediatric Department's educational programs have benefitted from strengthened UT Graduate Medical Education support systems and infrastructure, including shared data tracking of, and feedback about, essential elements of ACGME reporting and self-study processes. This will be helpful in our upcoming ACGME site visit, to review all our graduate Pediatric Training Programs, in 2019-2020.

The Pediatric Department's educational programs have benefitted from strengthened UT Graduate Medical Education support systems and infrastructure, including shared data tracking of, and feedback about, essential elements of ACGME reporting and self-study processes.

Recent Fellow Graduates

The locales of our most recent fellows' jobs after fellowship training at UT Southwestern



2018 Conference Presentations – Fellows

Poster Presentations – Pediatric Academic Society/Society of Pediatric Research, Toronto, Canada, May 2018

Abbey N, Mashruwala V, Ramon E., Ibrahim J, Weydig H, Mir I, Wyckoff M, Kapadia V.

- *“Heart Rate Evaluation and Resuscitation Trial in Preterm Neonates (HEART) – A Randomized Trial”*

Dodson J, Jung J, Badawy M, Tekippe E, Hennes H.

- *“Evaluating the Need for Blood Culture in Febrile Immunocompetent Children”*

Hoge MK, Hoop E., Clark H, Walker K, Fevrier J, Bollers L., Ramon E., Fink M, Lee D., Frost M.

- *“A Quality Improvement Project to Improve Assessment of Parental Stress in NICU”*

Ibrahim J, Liao, J. Cheong N, Longoria C, Grayck E, Savani R.

- *“EC-SOD KO mice have worse alveolarization, inflammation and cytokine elaboration after neonatal hyperoxia exposure”*

Ibrahim J., Frost M.

- *“How baby side-shows in fairs and amusement parks helped warm our ‘weaklings’”*

Long R, Diesen D, Robertson B, Leonard D, Nesiama J.

- *“Is There a Need for an Observation Period in the Emergency Department After Accidental Pediatric Blunt Head Injury?”*

Meade J, Most Z, Laetsch T, Winick N, Sue P.

- *“Cytomegalovirus Infection as a Cause of Fever and Morbidity among Pediatric Cancer Patients Receiving Chemotherapy without Hematopoietic Stem Cell Transplantation”*

Nguyen A, Chu H, Sacharidou A, Natale D, Mineo C.

- *“Selective Trophoblast Deletion of APO E Receptor 2 Protects Pregnant Mice from Antiphospholipid Antibody-induced Pregnancy Complications”*

Pandya L, Cooper M, Patel N, Leonard D, Fernandes N, Alletag M, Spear D, Nesiama JO.

- *“Ultrasound-Guided Central Venous Assessment in Children: A Prospective Study Comparing the Femoral and Internal Jugular Veins”*

Pavageau L, Chalak L., Brown L.

- *“Can the neurological exam forms designed to screen for neuroprotective therapies in term infants be used in preterm infants born 32 to 35 weeks (wks) gestation?” A Validation Study.*

Smithhart W, Wyckoff M, Kapadia V, Kakkilaya V, Brown LS, Nelson D, Brion LP.

- *“Association of Symptomatic Pneumothorax in Term and Late-Preterm Infants with Continuous Positive Airway Pressure (CPAP) in the Delivery Room”*



Lori Pandya, M.D.

2018 Ludwig Seidel Award for the Best Research by a Pediatric Emergency Medicine Fellow (PAS)

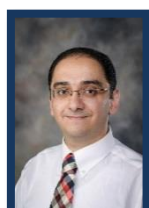
Oral Presentations – 2018 Senior Fellow Research Day



Linde De Keyzer

De Keyzer L, Millen L, Harness-Brumley C, Ghazala Z, Schmidt A, Miller G, Wigley C, Sosnay P, Cutting G, Thomas PJ.

“Molecular Pathology and Drug Responsiveness of Rare CF-causing Mutation”



John Ibrahim

Ibrahim J, Liao J, Cheong N, Longoria C, Grayck E, Savani R.

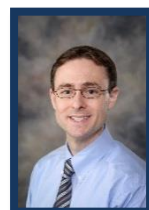
“Extracellular Superoxide Dismutase (EC-SOD) Knockout Mice Have Worse Alveolarization, Inflammation and Cytokine Elaboration After Neonatal Hyperoxia Exposure”



Blake Nichols

Nichols B, Hook J, Weng K, Moreland J.

“Neutrophils Fail to Respond to Inflammatory Stimuli in Type 1 Diabetes”



Alan Poole

Poole A, Baubert B, DeBerardinis, R.

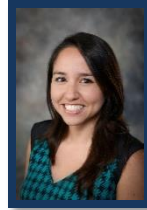
“Glycerol Metabolism in Non-Small Cell Lung Cancer”



Erin Butler

Butler E, Skapek S.

“The Role of Novel Transcript Variants of Myogenic Regulatory Factors in Rhabdomyosarcoma”



Melo Montoya

Montoya Melo D, Lu D, Cheng E.

“Innate Immune Response to Wheat in the Esophagus”

Poster Presentations – Other Conferences

Abid R, Sarode R, **Menon NM**, Austin A, Zia A.

- Thrombosis and Hemostasis Societies of North America Summit, San Diego, CA, March 2018
“Contact pathway inhibition by corn trypsin inhibitor does not affect thrombin generation profiles in plasma from healthy children”

Dodson J, Feng S, Rodriguez D.

- Children’s Research Week, Dallas, TX, May 2018
“That’s Not His Regular Formula: A Case of Organophosphate Poisoning in an Infant”

Geoffrion TR, **DeKeyzer L**, Shah G, Nair SJ, Pirolli TJ, Kernstine K.

- North American Cystic Fibrosis Conference, Indianapolis, IN, November 2018
“A 10-year-old Boy with Pulmonary Paraganglioma”

Nguyen A, Chu H, Sacharidou A, Natale D, Mine, C.

- 92nd American Academy of Pediatrics, Perinatal and Developmental Medicine Symposium, Orlando, FL, November 2018
“Selective Trophoblast Deletion of APO E Receptor 2 Protects Pregnant Mice from Antiphospholipid Antibody-induced Pregnancy Complications”.

Poole A, Baubert B, DeBerardinis, R.

- Keystone Symposia on Tumor Metabolism, Silverthorne, CO, 2018
“Glycerol Metabolism in Non-Small Cell Lung Cancer”

Rowe R, Pyle D, Tomlinson A, Shao B, Gill M.

Gordon Research Conference Biology of Acute Respiratory Infections, Ventura, CA, 2018

“Allergic Stimulation Inhibits Monocyte Antiviral Responses to Alter Virus-induced T Cell Priming to Influenza

Oral Presentations – Other Conferences

Poole A, Baubert B, DeBerardinis, R.

- Keystone Symposia on Tumor Metabolism, Silverthorne, CO, March 2018
“Glycerol Metabolism in Non-Small Cell Lung Cancer”

De Keyzer L, Millen L, Harness-Brumley C, Ghazala Z., Schmidt A., Miller G, Wigley C, Sosnay P, Cutting G, Thomas PJ.

- American Thoracic Society Conference, San Diego, CA, May 2018
“Molecular Pathology and Drug Responsiveness of Rare CF-causing Mutation”

Rowe R, Pyle D, Gill M.

- Pediatric Infectious Disease Society, Memphis, TN March 2018
“Allergic stimulation inhibits monocyte antiviral responses to alter virus-induced T cell priming”

Invited Presentations

Maple B.

- American Academy of Pediatrics National Conference, Orlando FL, November 2018
“NRP Current Issues Seminar”



2018 Sr. Fellows' Research Day

Publications

Cardiology

Henningson M, **Zahr RA**, Dyer A, Greil GF, Burkhardt B, Tandon A, Hussain T. [Feasibility of 3D black-blood variable refocusing angle fast spin echo cardiovascular magnetic resonance for visualization of the whole heart and great vessels in congenital heart disease.](#) *J Cardiovasc Magn Reson.* 2018 Nov 26;20(1):76. PMID: 30474554

Hematology-Oncology

Dickerson KE, **Menon NM**, Zia A. [Abnormal Uterine Bleeding in Young Women with Blood Disorders.](#) *Pediatr Clin North Am.* 2018 Jun;65(3):543-560. PMID: 29803282

Menon N, Sarode R, Zia A. [Rivaroxaban dose adjustment using thrombin generation in severe congenital protein C deficiency and warfarin-induced skin necrosis.](#) *Blood Adv.* 2018 Jan 23;2(2):142-145. PMID: 29365322

Skapek SX, Ferrari A, Gupta AA, Lupo PJ, **Butler E**, Shipley J, Barr FG, Hawkins DS. [Rhabdomyosarcoma.](#) *Nat Rev Dis Primers.* 2019 Jan 7;5(1):1. doi: 10.1038/s41572-018-0051-2. PMID 30617281

Case Reports

Rivaroxaban dose adjustment using thrombin generation in severe congenital protein C deficiency and warfarin-induced skin necrosis. **Menon N**, Sarode R, Zia A. *Blood Adv* 2018 Jan 23;2(2):142-145

Neonatal-Perinatal Medicine

Ibrahim J, Mir I, Chalak L. [Brain imaging in preterm infants <32 weeks gestation: a clinical review and algorithm for the use of cranial ultrasound and qualitative brain MRI.](#) *Pediatr Res.* 2018 Dec;84(6):799-806. PMID: 30315272

Ibrahim J, Pavageau L, Miller J, Timmons C, Wickiser J, Piper H, Dariya V, Brion LP. [A large prenatally undiagnosed mass in a preterm infant, what could it be?](#) *NeoReviews* 2018;19(7): e413-417.

Pavageau L, Rosenfeld CR, Heyne R, Brown LS, Whitham J, Lair C, Brion LP. [Valid serial length measurements in preterm infants permit characterization of growth patterns.](#) *J Perinatol.* 2018 Dec;38(12):1694-1701. PMID: 30267002

Rosenfeld CR, Shafer G, **Scheid L**, Brown LS. [Screening and Serial Neutrophil Counts do not Contribute to the Recognition or Diagnosis of Late-Onset Neonatal Sepsis.](#) *The Journal of Pediatrics,* 2018 Oct 11; pii: S0022-3476(18)31295-2. PMID: 30318373

Chapter

Cantey JB, **Baird S.** (2018). [Pathogenesis of Congenital Infections.](#) In: Cantey JB (Ed.), *Neonatal Infections: Pathophysiology, Diagnosis and Management* (Chapter 27, pp 67-75). New York, NY: Springer International.

Nephrology

Onwuzuligbo O, Hendricks AR, Hassler J, Domanski K, Goto C, Wolf MTF. [Mercury Intoxication as a Rare Cause of Membranous Nephropathy in a Child.](#) *Am J Kidney Dis.* 2018 Oct;72(4):601-605. PMID: 30041877

Respiratory

Geoffrion TR, **DeKeyser L,** Shah G, Nair SJ, Pirolli TJ, Kernstine K. [Pulmonary paraganglioma in a 10-year-old: a case report and review of the literature.](#) *J Surg Case Rep.* 2018 Apr 3;2018(4):rjy047. PMID: 29644036