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About Us: BCM PSP

• OUR MISSION

To provide excellent pediatric clinical training in the context of a pathway to scientific independence through intensive mentoring, guidance, and educational programming and a roadmap to preparedness. The program strives to train future academic pediatricians to provide superb care to children, engage in meaningful innovation through basic or clinical research, and mentor and train the next generation of pediatrician-scientists.



OVERVIEW

Baylor College of Medicine is proud to offer a new research track for qualified candidates that have been approved by the American Board of Pediatrics. The Pediatrician-Scientist Program (PSP) is an ideal career choice for MD or MD/MD-PhD graduates who are considering a career as a principal investigator or a pediatrician-scientist. As the largest children's hospital and department of pediatrics in the United States, there is a strong commitment and priority to providing expert clinical training and educational opportunities in the context of formal research progression towards becoming an independent investigator.

STRUCTURE

PSP residents will commit to the ABP-Integrated Research Pathway (ABP-IRP), which is a 3-year, residency-training program that will link to the categorical residency program to fulfill the ABP requirements. The program is designed to create a clear pipeline from residency to a junior faculty appointment by offering a myriad of educational experiences, research opportunities, and career development guidance. PSP residents will participate in the following components to promote their development as clinician-scientists: Academic Scholarship, Academic Enrichment Activities, and Mentoring. These components will be specific to each year in the program.



AMERICAN BOARD OF PEDIATRICS– INTEGRATED RESEARCH PATHWAY

The ABP-IRP track allows pediatric residents the opportunity to complete 11 months of research starting in the PL-2 year and involving most of the PL-3 year while also completing 22 months of core clinical pediatric residency. All PSP residents will fulfill all pediatric categorical residency program requirements.

Upon acceptance into the program, candidates are required to commit to this pathway within their intern year.

The Residency Program Director and PSP leadership will closely monitor fulfillment of both the pediatric categorical and PSP requirements. The Resident's Individualized Advisory Committee (RIAC) will also meet regularly to assess the resident's progress through the ABP-IRP pathway. The RIAC will consist of the Residency Educational Mentor, Primary Research Mentor, Clinical Case Mentor, Residency Program Director, PSP Associate Program Director, and other relevant faculty.



OBJECTIVES •

ENGAGE

talented MD or MD/PhD graduates committed to careers in academic medicine and the field of pediatrics

PROVIDE

extensive road mapping and customized experiences to PSP residents to allow for an unprecedented dual training in clinical and research efforts

CREATE

a multifaceted, long-term mentoring structure to support trainees during their transition from residency to fellowship and, ultimately, junior faculty



“The amount of support that we get as pediatrician-scientists in training was clear to me from the beginning, with every level of the program and administration invested in supporting our research and clinical education.”

– **Xavier Rios Villanueva, MD, PHD**

PROGRAM STRUCTURE

• **PROGRAM COMPONENTS**

I. COMPREHENSIVE MENTORING PROGRAM

Mentorship in PSP entails the assignment of a Residency Educational Mentor, Primary Research Mentor, and a Resident Individualized Advisory Committee throughout the duration of the residency training.

RESIDENCY EDUCATIONAL MENTOR. The Residency Educational Mentor (REM) is a faculty member committed to a substantive and long-lived relationship with the resident, who will serve as a role model for navigating and balancing a career as both a scientist and a pediatrician. To this end, the relationship between the PSP resident and the residency educational mentor includes formal monthly meetings, bi-annual meetings after completion of the PSP and can assist with career advising and tracking of graduate activities. This is a **long-lived mentorship** that continues throughout fellowship and into junior faculty years to foster long-standing **collaborations** and professional **collegiality**.

PRIMARY RESEARCH MENTOR. Selected by the PSP resident, research during the **protected research blocks** will be conducted in the laboratory of the Primary Research Mentor (PRM). PRMs are to be chosen from the targeted area of clinical and research interest that most closely aligns with that of the PSP resident. The PRM can hold a PhD, MD, or MD/PhD degree. As the PSP resident **transitions to fellowship** and a **career as a pediatrician-scientist**, the PRM can serve as a **long-standing mentor** and collaborator in the field.

CLINICAL CASE MENTOR. To provide **guidance**, mentorship, and **expert advice** in the area of **clinical interest** for completing the clinical case report. Each PSP resident will be assigned a Clinical Case Mentor (CCM).

Resident Individualized Advisory Committee Meetings

RIAC meetings will serve as a forum to formally discuss the progress of each PSP resident. Members of the RIAC include the REM, PRM, CCM, and PSP leadership plus any relevant research collaborators. The purpose of the RIAC meeting is to provide a **supportive** and **constructive environment** to discuss **individual** progress in meeting both categorical and PSP program milestones and goals. They will be held biannually throughout the entire PSP program.

II. PARALLEL EDUCATION PROGRAM

The parallel education program is focused upon providing the necessary knowledge and perspective to **flow** through the academic pipeline, **develop** an investigative program, and **achieve success** in a K-series career development NIH application. Key components of the PSP parallel educational program will include the following:

- **Full participation** in the categorical residency educational program to fulfill ABP-IRP requirements.
- **Alternative Didactic Noon Conference.** These sessions focus on academic and professional development.
- **Pediatrician-Scientist Forum.** This forum is required for all residents and will be held monthly to feature the career narrative and science of a pediatrician-scientist.
- **Orientation retreat.** Held annually, this specific retreat is for all PSP residents and reviews program structure and encourages peer collegiality and interaction.

DIDACTIC NOON
CONFERENCE

PEDIATRICIAN-
SCIENTIST FORUM

ORIENTATION
RETREAT

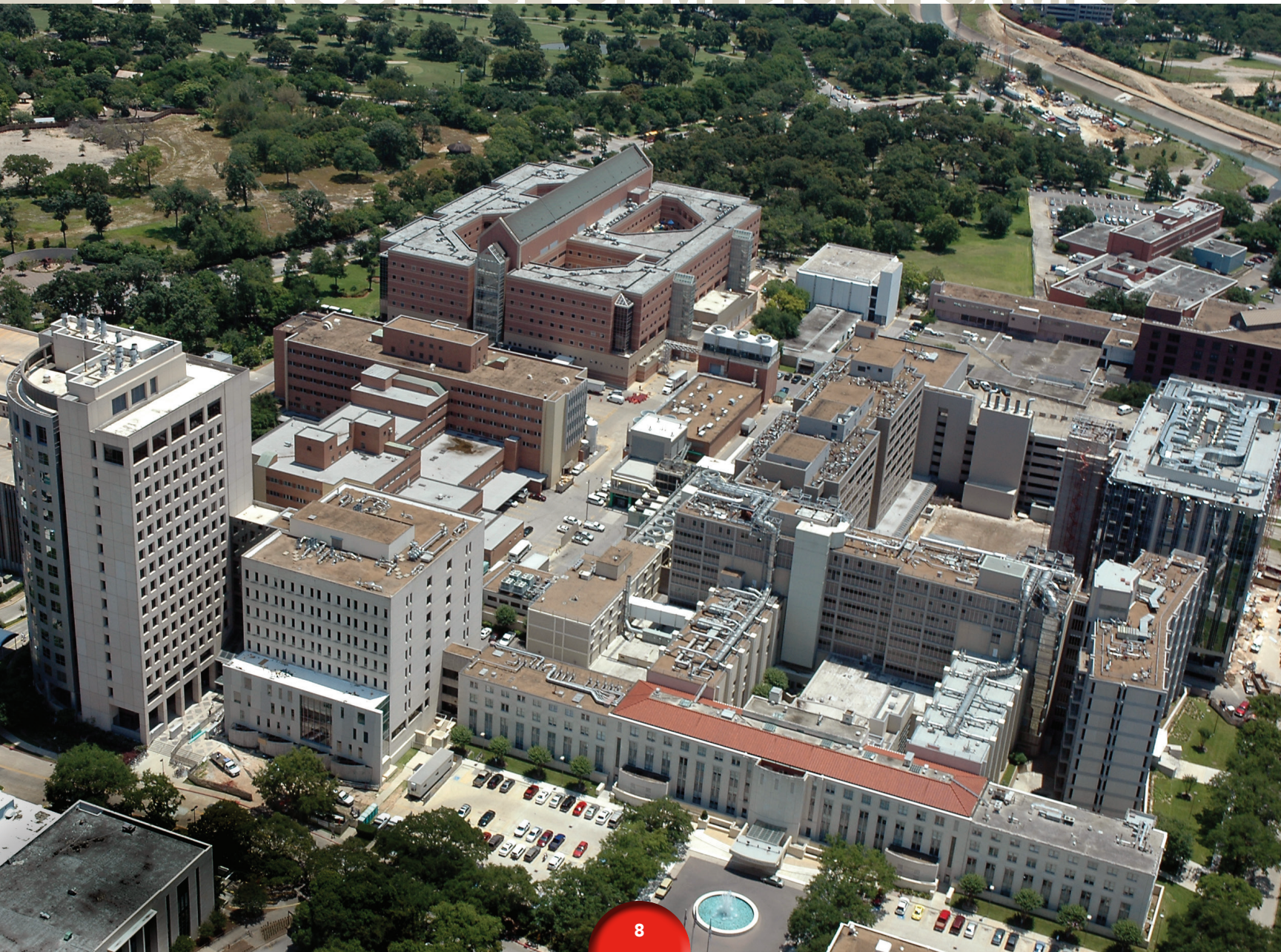


III. PILOT GRANTS PROGRAM

The Pilot Grants Program helps to promote continual planning and development of allocated research time and effort along with providing strongly mentored exercises in grant writing.

All PSP residents are strongly encouraged to apply for and obtain a pilot grant through the PGP, which will be used in support of their research. Applications for the PGP are evaluated in a mock study section held within the PSP, which will also provide an additional experience of value in understanding what is important in constructing a grant application and gaining insight into the review process. Finally, the ability to receive an award and manage a research budget is an integral part of succeeding in research and is something that PSP program leadership will oversee and provide mentoring.

BAYLOR COLLEGE OF MEDICINE CAMPUS





IV. SCHOLARLY PUBLICATION GOALS

Building the academic CV in preparation for competitiveness for K-series funding is a necessary priority of the PSP. This will included a rational publication stream targeted at justifying the candidate as a developing academic. The scholarly expectations are aligned to promote engagement in the proposed area of research, but also for true engagement in the pediatrician-scientist portion of training and are specific to each year of the program.

YEAR 1

PSP residents are supported in publishing a case report in a clinical area connected to their targeted research area in order to align their development as a pediatrician-scientist in a specialized clinical topic. This represents valuable exposure to clinical science and clinical publishing and the insight derived from that experience will enhance the residents ability to truly academically integrate clinical medicine and investigation.

YEAR 2

PSP residents are supported in generating and submitting a scholarly review and a grant through the internal PSP pilot grants program in the area of research related to the proposed topic of research that begins in block 6 of PL-2.

YEAR 3

PSP residents are supported in the publication of an abstract, a primary research article of original resident research, for presentation at a national meeting and broader scientific publication as appropriate. PSP residents are also encouraged to submit the candidate section of a K-award, which supports the building of the K-award application.



V. PROGRAM TIMELINE

PL-1 – PL-3

In PGY-1 and PGY-2 years, PSP residents experience a truncated clinic rotation schedule, which will allow for a full year of research to be conducted—in part during PGY-2, but predominantly in PGY-3. Careful road mapping occurs before the beginning of PGY-1 and throughout the program to allow for optimized scheduling and to ensure that all applicable training is completed before each trainee enters into a subspecialty fellowship program.

Subspecialty

As PSP residents advance to fellowship, fellows may potentially be eligible for full or partial salary support through NIH-sponsored T-32 grant opportunities within

Baylor College of Medicine and Texas Children's Hospital. During fellowship, independent research projects that have been established during residency can be strengthened and expanded to support continued grant submissions and research career development. There are a number of departmental and institutional grant award opportunities that PSP fellows will be quite competitive for after completing research and educational program milestones built into the program.

The Department of Pediatrics Fellowship Program is engaged in the PSP and is collaborating in creating PSP pathways to independence.

PROGRAM TIMELINE

| | | | RESIDENCY | | | | SUBSPECIALTY | | | |
|----------|-------------------------------------|--|--|------------|--------------------------|---------------------------|--------------------------|-------------|-------------|-------------|
| ACTIVITY | | | PRE-PL-1 | PL-1 | PL-2 | PL-3 | YEAR 1 | YEAR 2 | YEAR 3 | |
| I | MENTORSHIP | Professional Development | Residency Education Mentor (REM) Pairing | Apr. | | | | | | |
| | | | PSP Peer Mentor Program Pairing (PMP) | Jun. | | | | | | |
| | | | Clinical Case Mentor (CCM) Identification | Jun. | | | | | | |
| | | | Primary Research Mentor (PRM) Selection | | Jun. | | | | | |
| | | | Annual Orientation Retreat Attendance | Jun. | Jun. | Jun. | Jun. | Optional | Optional | Optional |
| | Parallel Education Program | Alternative Didactic Noon Conference (Monthly) | | Jul.-May | Jul.-May | Jul.-May | Optional | Optional | Optional | |
| | | Pediatrician-Scientist Forum Seminar (Monthly) | | Jul.-May | Jul.-May | Jul.-May | Optional | Optional | Optional | |
| | Thoughtful Pairings | Pairing with BCM Medical Student During Rotations | | *Oct.-Jun. | *Oct.-Jun. | *Oct.-Jun. | | | | |
| II | RESEARCH | Development | Residency Education Mentor (REM) monthly meetings | | Jul.-Jul. | Jul.-Jul. | Jul.-Jul. | (Bi-annual) | (Bi-annual) | (Bi-annual) |
| | | | Formalizing RIAC Committee Members with PSP Leadership | | Oct. | | | | | |
| | | | Bi-annual RIAC Progress Meetings | | 1st (Mar.) 2nd (Jun.) | 1st (Dec.) 2nd (Jun.) | 1st (Dec.) 2nd (Jun.) | | | |
| | Research | Clinical/Basic Investigative Research | | | Sep-Oct.** | Jul.-Sep.** Nov.-May** | | | | |
| III | SCHOLARSHIP | Grants | PGP: Internal Grant: Submission of Pilot Grant Program (PGP) Applications | | | Jan. | | | | |
| | | | PGP: Mock Study Section-Pilot Grant Review | | | Jan. | | | | |
| | | | PGP: Study Section Decision Announcement | | | Jan. | | | | |
| | | | K Award: Submission of Candidate Section of NIH K Award in a Mock Study Section | | | | Mar. | | | |
| | | | K Award: Review and Feedback of NIH K Candidate Section | | | | Mar. | | | |
| | | | K Award: NIH K Award Grant Submission | | | | | | Spr.-Sum. | |
| | Publication Goals | Clinical Case Report | | May | | | | | | |
| | | Scholarly Review Article | | | Jun. | | | | | |
| | | Primary Research Article | | | | May | | | | |
| | Scientific Conference Program (SCP) | Specialty Society or Pediatric National Meeting Identification | | | Jul. | | | | | |
| | | National Meeting Abstract | | | | Dec. | | | | |
| | | National Meeting Attendance | | | | Spr.-Sum. | | | | |

FOOTNOTES

* Assignments will be communicated before start of rotation pairing a PSP resident with a research-oriented BCM medical student

** Laboratory research will occur during Block 6 of PL-2 and for 10 continuous blocks in PL-3 year.

PROGRAMMATIC DATES & GOAL REMINDERS

2019

| JULY | | | | | | | AUGUST | | | | | | |
|------|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | 1 | 2 | 3 | 4 | 5 | 6 | | | | | 1 | 2 | 3 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 28 | 29 | 30 | 31 | | | | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

| SEPTEMBER | | | | | | | OCTOBER | | | | | | |
|-----------|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|-----|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | 1 | 2 | 3 | 4 | 5 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 29 | 30 | | | | | | 27 | 28 | 29 | 30 | 31 | | |

| NOVEMBER | | | | | | | DECEMBER | | | | | | |
|----------|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----|-----|-----|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | | | | | 1 | 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 29 | 30 | 31 | | | | |

2020

| JANUARY | | | | | | | FEBRUARY | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----|-----|-----|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | | | | 1 | 2 | 3 | | | | | | | 1 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 26 | 27 | 28 | 29 | 30 | 31 | | 23 | 24 | 25 | 26 | 27 | 28 | 29 |

| MARCH | | | | | | | APRIL | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | 1 | 2 | 3 | 4 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 29 | 30 | 31 | | | | | 26 | 27 | 28 | 29 | 30 | | |

| MAY | | | | | | | JUNE | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | | | | | 1 | 2 | | | 1 | 2 | 3 | 4 | 5 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 28 | 29 | 30 | | | | |

Block Start Dates

PL-1

Monday, Jun. 24, 2019
Monday, Jul. 22, 2019
Monday, Aug. 19, 2019
Monday, Sep. 16, 2019
Monday, Oct. 14, 2019
Monday, Nov. 11, 2019
Monday, Dec. 9, 2020
Monday, Jan. 6, 2020
Monday, Mar. 2, 2020
Monday, Mar. 30, 2020
Monday, Apr. 27, 2020
Monday, May 25, 2020

PL-2 & PL-3

Monday, Jun. 24, 2019
Wednesday, Jul. 24, 2019
Wednesday, Aug. 21, 2019
Wednesday, Sep. 18, 2019
Wednesday, Oct. 16, 2019
Wednesday, Nov. 13, 2019
Wednesday, Dec. 11, 2019
Wednesday, Jan. 8, 2020
Wednesday, Mar. 4, 2020
Wednesday, Apr. 1, 2020
Wednesday, Apr. 29, 2020
Wednesday, May 27, 2020

Academic Enrichment Activities

PL-1

- **PSP Half-Rotation: Block 8**, Jan 6-17, 2020
- **Scholarship - Case Report Submission** – Jun. 2020
- **RIAC Meetings**
 - 1st Resident Individualized Advisory Committee Meeting – Mar.
 - 2nd Resident Individualized Advisory Committee Meeting – Jun.
 - Residency Educational Mentor Meetings – Monthly

PL-2

- **PSP Research Rotation: Block 4**, Sep. 16 – Oct. 13, 2019
- **Scholarship Goals**
 - PGP Grant Submission – Jan. 3, 2020
 - Peer Review Mock Study Section – Jan. 22, 2020
 - Scholarly Review Article Submission – Jun. 2020
- **RIAC Meetings**
 - 1st Resident Individualized Advisory Committee Meeting – Dec.
 - 2nd Resident Individualized Advisory Committee Meeting – Jun.
 - Residency Educational Mentor Meetings – Monthly

PL-3

- **Protected Time**
 - PSP Research Blocks - 10 total
10 continuous months between blocks 2-11
Jul. 22, 2019 - Apr. 26, 2020)
- **Scholarship Goals**
 - Primary Research Article Submission - Mar. 1, 2020
 - NIH K Award Candidate Section - Study Section Review - March 2020, Date TBA
- **RIAC Meetings**
 - 1st Meeting – Dec.
 - 2nd Meeting – Jun.
 - Residency Educational Mentor Meetings – Monthly

Parallel Education Program

Alternative Didactic Noon Conference (DNC)*

Location: Texas Children's Conference Rooms
Noon - 1:00 pm

Evening Pediatrician-Scientist Forum (PSF)*

Location: Texas Medical Center Marriott Hotel
5:30-6:30 pm

*Both events are held on the 2nd Tuesday of each block except for the months of Jun., Nov. and Dec., 2020.



Current RESIDENTS

• GRADUATING CLASS OF 2022

Natalie Guerrero Cofie, MD, PHD

Yike Jiang, MD, PHD

Prasanna Ramachandran, MD, PHD



NATALIE GUERRERO COFIE, MD, PHD

Research Interests: I am interested in research focused on health disparities that impact vulnerable populations, including economically-disadvantaged, racial/ethnic minority, and immigrant populations and poverty research with implications for reducing disparities.

How does the PSP support your career development?

Connecting with my residency education mentor prior to starting residency, and now meeting with him monthly, has encouraged me to work on identifying a primary research mentor very early on in residency. With the structure of the program, I am also taking steps to develop a case report and will have dedicated time later this year to prepare it for publication. I look forward to participating in the pilot grants program and to having dedicated research time during PL-3 year.

Undergraduate Institution: Pomona College

Graduate Institution: University of Wisconsin School of Medicine and Public Health

Medical School Institution: University of Wisconsin School of Medicine and Public Health

Current Year in PSTDP: PL-1

E-mail: Natalie.Guerrero@bcm.edu

Hometown: Chicago, IL

Fellowship Interest: Adolescent Medicine, Academic General Pediatrics



YIKE JIANG, MD, PHD

Research Interests: I'm interested in the interaction of pathogen and host, especially how it changes immunological factors that contribute to inflammatory diseases.

How does the PSP support your career development?

The Pediatrician-Scientist Program provides a unique opportunity to continue in-depth post-doctoral level research during residency. It provides protected blocks dedicated to writing case reports and grants and performing basic lab research. It also affords financial support and proactive mentorship, promoting experiential training in navigating the competitive landscape of starting a research career as a pediatrician-scientist.

Undergraduate Institution: University of Maryland, College Park

Graduate Institution: Geisel School of Medicine at Dartmouth

Medical School Institution: Geisel School of Medicine at Dartmouth

Current Year In PSP: PL1

E-mail: Yikej@bcm.edu

Hometown: Beijing, China; Nepean, Ontario, Canada; Acton, MA

Fellowship Interest: Rheumatology, Allergy/Immunology



PRASANNA RAMACHANDRAN, MD, PHD

Research Interest: The recent explosion of genomic information has uncovered a vast world of previously unknown genetic mutations in patients with complex, undiagnosed diseases. The Model Organisms Screening Center (MOSC) of The Undiagnosed Diseases Network, headquartered at Baylor College of Medicine, marries the clinical genetic expertise of Texas Children's Hospital with outstanding basic research at BCM. Tapping into my prior research experience using *Drosophila* and *C. elegans*, I seek to work with the MOSC to investigate whether rare variants identified in the genomes of UDN participants may contribute to disease pathogenesis. This bench-to-bedside enterprise ideally complements my dual training and aspirations in clinical medicine and basic research.

Undergraduate Institution: Fairleigh Dickinson University

Graduate Institution: Washington University in St. Louis, Baylor College of Medicine

Medical School Institution: Baylor College of Medicine

Current Year In PSTDP: PL1

E-mail: pvracham@bcm.edu

Hometown: Chennai, India

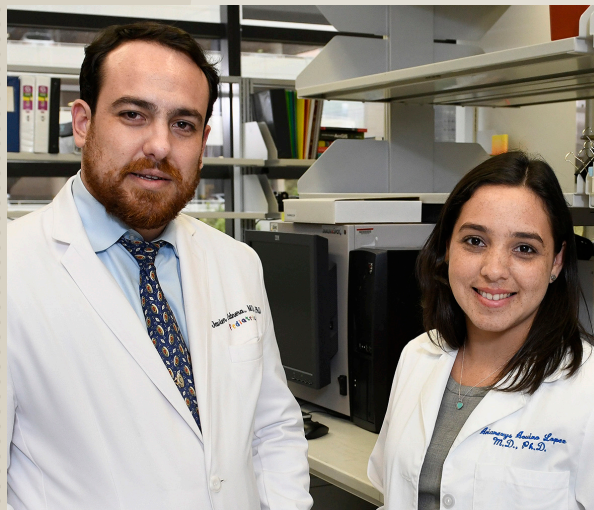
Fellowship Interest: Endocrinology, Gastroenterology

"The PSP has been a great community of support and inspiration. Not only do we have the opportunity to meet and interact with other resident physician scientists in our program, but they also promote interactions with senior pediatrician scientists among Baylor College of Medicine, Texas Children's Hospital and the Texas Medical Center."

– Arianexys Aquino López, MD, PhD

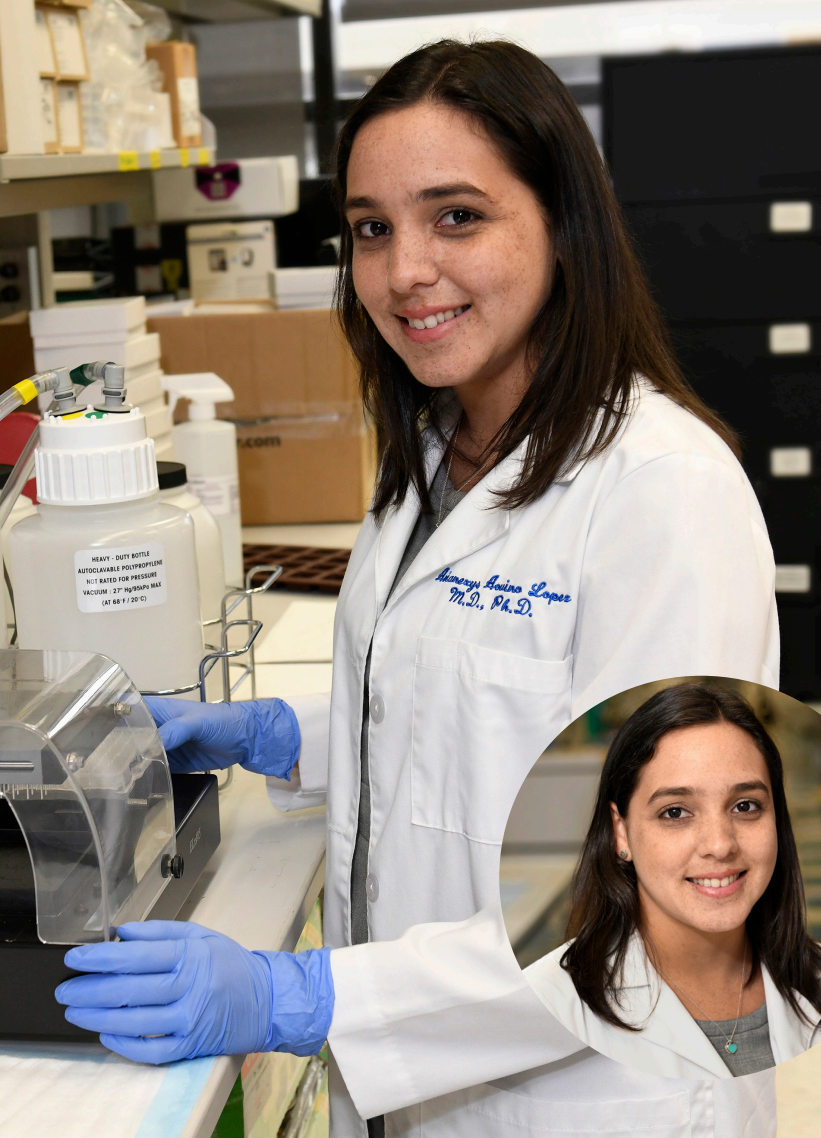
Current RESIDENTS

GRADUATING • CLASS OF 2021



Arianexys Aquino López, MD, PHD

Javier Cabrera-Perez, MD, PHD



ARIANEXYS AQUINO LÓPEZ, MD, PHD

Research Interests: Aligned with my fellowship interest, I would like to continue my research in the field of solid tumor immunotherapy. Interests include investigating approaches to potentiate anti-tumor effects of immune therapies, including cell therapies and antibody therapies, against oncologic malignancies. I am also interested in studying the impact of tumor microenvironment in immune suppression in order to develop approaches to overcome cancer immune evasion.

How does the PSP support your career development?

The PSP has been a great community of support and inspiration for me. Not only we get to meet and interact with other resident physician scientists in our program, but they also promote interactions with senior pediatrician scientists among Baylor College of Medicine, Texas Children's Hospital and the Texas Medical Center. This serves as a wonderful platform for us to network with other professionals that have chosen a similar career path.

Undergraduate Institution: University of Puerto Rico, Río Piedras Campus

Graduate Institution: The University of Texas MD Anderson Cancer Center UTHHealth Graduate School of Biomedical Sciences

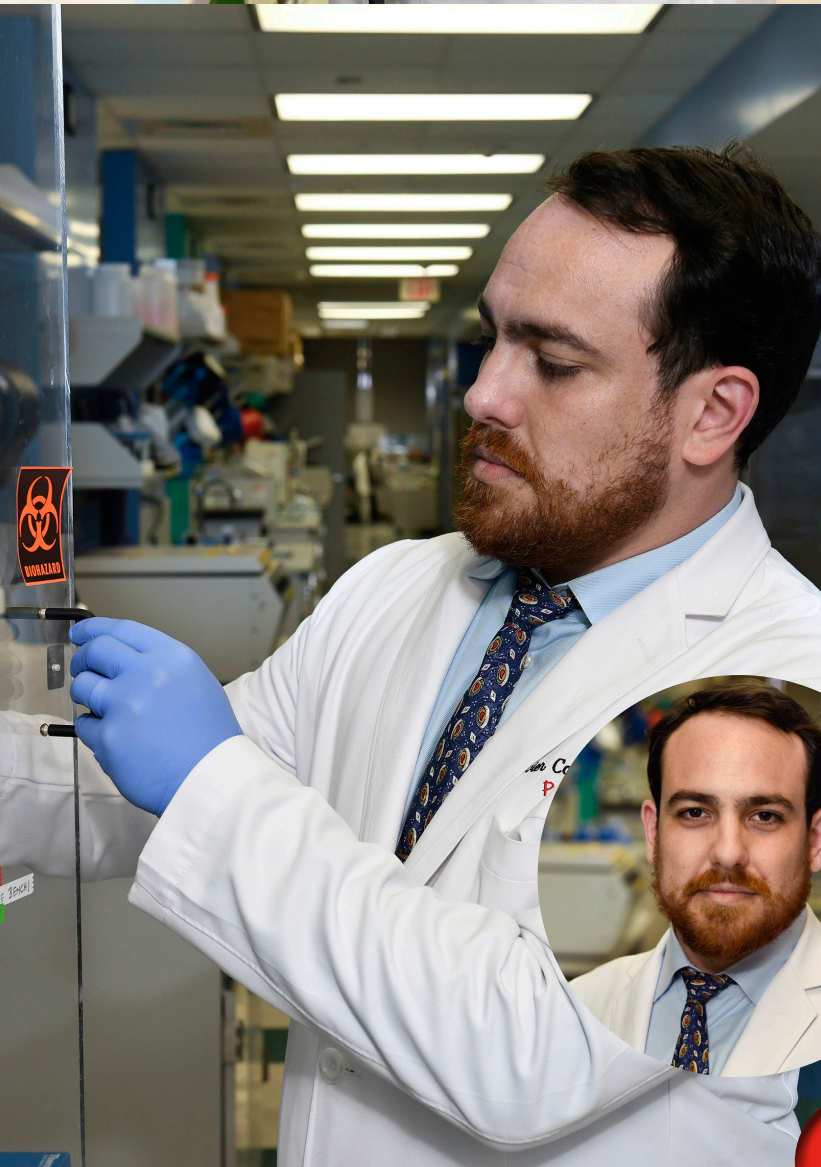
Medical School Institution: MD/PhD - University of Puerto Rico School of Medicine

Current Year in PSP: PL-2

E-mail: Arianexl@bcm.edu

Hometown: Lares, Puerto Rico

Fellowship Interest: Hematology- Oncology



JAVIER CABRERA-PEREZ, MD, PHD

Research Interest: Immune Dysregulation syndromes, Sepsis, Monogenic causes of inflammatory diseases in children.

How does the PSP support your career development?

The program provides a two-week block for writing a case report, while simultaneously providing lectures regarding clinical case reporting. In addition, afternoon/evening events provide a great occasion to meet pediatrician-scientists in the community, as well as fellowship directors and attending physicians in subspecialties of interest.

Undergraduate Institution: Columbia University

Graduate Institution: University of Minnesota

Medical School Institution: University of Minnesota

Current Year in PSP: PL-2

E-mail: cabrerap@bcm.edu

Hometown: Ciego de Ávila, Cuba; Minneapolis, Minnesota

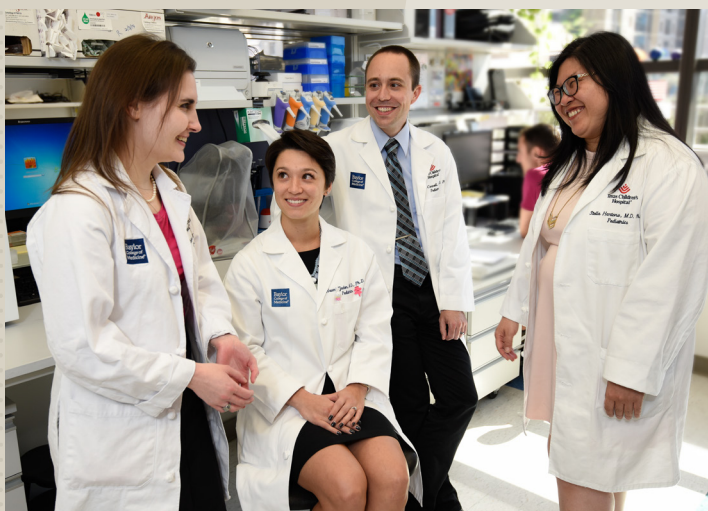
Fellowship Interest: Allergy and Immunology

"The program provides excellent mentors, guidance, and support at every phase of residency, so you can spend your energy actually working on your ideas and advancing your research interests. "

– Stella Hartono MD, PhD

Current RESIDENTS

GRADUATING • CLASS OF 2020



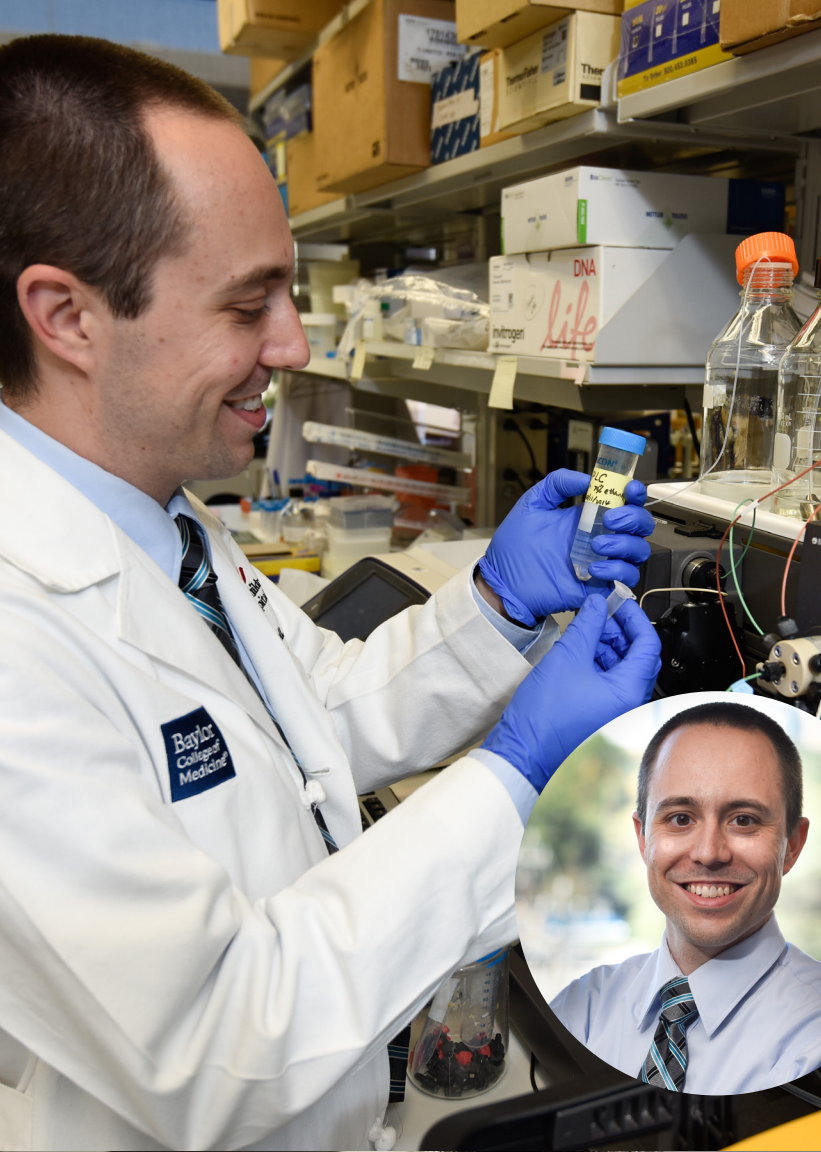
Patrick Connell, MD, PHD

Stella Hartono, MD, PHD

Naomi Tjaden, MD, PHD

Class of 2019 – PSP Program Affiliate
Accelerated Research Pathway

Alona Birjiniuk, MD, PHD



PATRICK CONNELL, MD, PHD

Research Interests: I am interested in heart failure, specifically how genetic factors or accumulated damage affect the function of heart cells in vitro and in vivo and using this knowledge to develop techniques (devices, drugs, gene therapies) to help improve the function of failing hearts and cardiac cells.

How does the PSP support your career development?

The PSP provides me the resources and structure necessary to maximize my potential as a pediatrician-scientist. The PSP provides mentorship in the form of peers, junior faculty, and senior faculty both inside and outside of my field of interest and establishes a structure with associated protected that starts with a case report, advances to include a review paper, an internal grant submission complete with a mock study section to refine and improve my research aims, and protected research time with financial support all working towards a strong NIH K application as I continue my path towards fellowship. I cannot envision a program that provides more support for its trainees' success.

Undergraduate Institution: Johns Hopkins University, Baltimore, MD

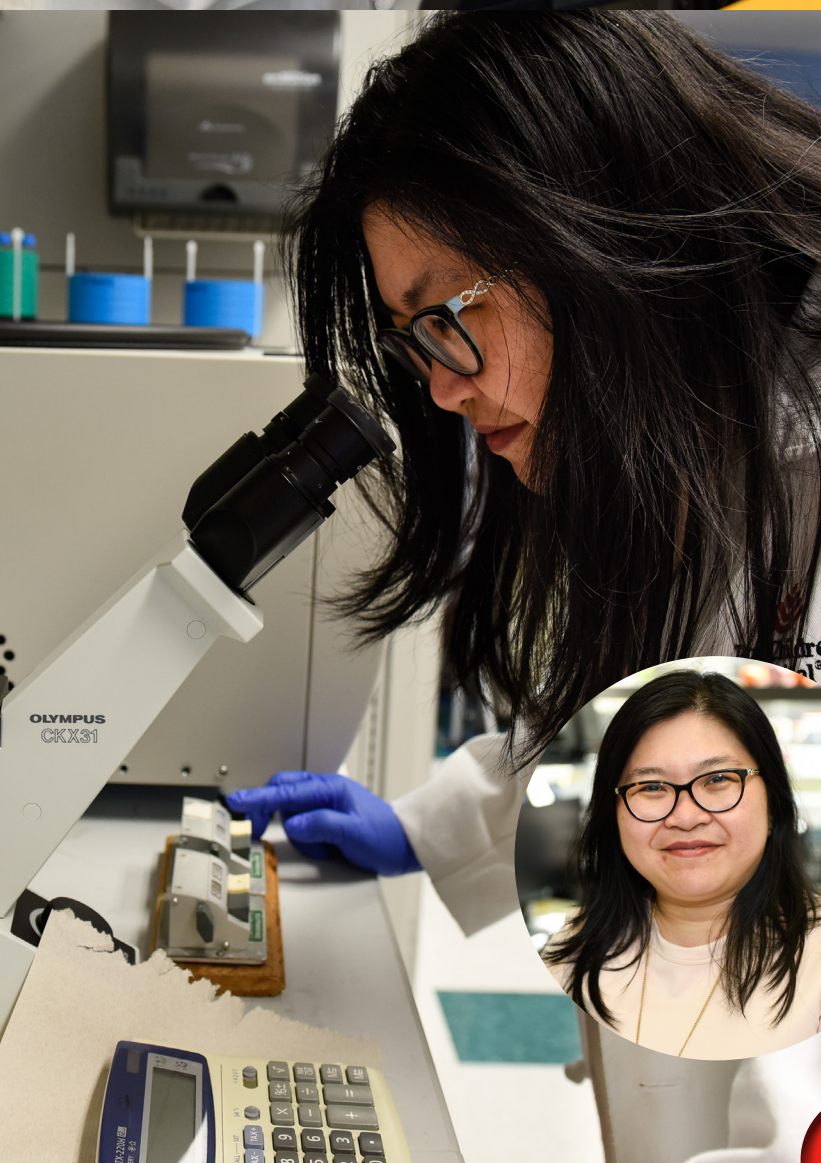
Medical School Institution: Baylor College of Medicine, Rice University (combined program) MD, PhD

Current Year in PSP: PL-3

E-mail: psconnel@bcm.edu

Hometown: Somers, CT

Fellowship Interest: Cardiology



STELLA HARTONO, MD, PHD

Research Interest: Primary immunodeficiency: a) genetic defects that contribute to development of autoimmunity in CVID patients, b) gene therapy for primary immunodeficiency

What has your experience been thus far? So far, I have thoroughly enjoyed being an intern in this program. You get to see very diverse disease presentations, from the most common diseases to the rare syndrome you only read in textbooks. The faculty love to teach and are very encouraging!

Undergraduate Institution: California State Polytechnic Institute, Pomona, CA

Medical School Institution: Mayo Clinic School of Medicine

Current Year In PSP: PL3

E-mail: stella.hartono@bcm.edu

Hometown: Walnut, CA

Fellowship Interest: Allergy and Immunology

NAOMI TJADEN, MD, PHD

Research Interests: I am interested in genetic, iatrogenic and environmental etiologies responsible for motility disorders with a special interest in understanding the development of the enteric nervous system in the greater context of the gut-brain axis.

Why did you choose the BCM PSP? I wanted to be part of a large residency program that had a strong track record of training approachable, capable, and successful pediatrician-scientists in both the clinical and research realms, particularly in the field of gastroenterology and motility. I also knew I wanted to be in a program that had a specific pediatrician-scientist track that offered protected research experiences and guaranteed laboratory time.

Undergraduate Institution: Boston University, Boston, MA

Medical School Institution: MD/PhD - University of Kansas Medical Center. (PhD- KUMC, Stowers Institute for Medical Research)

Current Year in PSP: PL-3

E-mail: Tjaden@bcm.edu

Hometown: Mansfield, TX

Fellowship Interest: Gastroenterology



"Because Houston is such a diverse city with a large population, we have the opportunity to learn from and treat patients with rare diseases. As a pediatrician-scientist, taking care of patients with rare diseases presents a unique opportunity for translation of basic science and clinical medicine."

– Emily Heikamp, MD, MSc, PhD

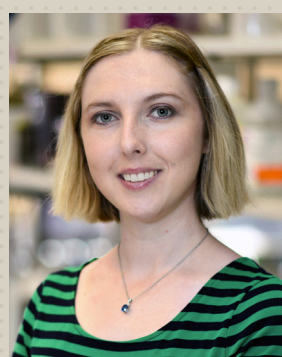
Program ALUMNI

CLASS OF 2019



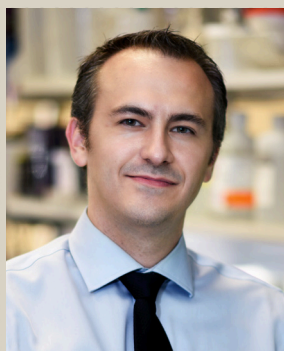
ALONA BIRJINIUK, MD, PhD

Undergraduate Institution: MIT, Cambridge, MA
Medical School Institution: Harvard/MIT MD-PhD program
MD: Harvard Medical School, PhD – MIT
Hometown: Boston, MA
Fellowship Program: Pediatric Cardiology, Lurie Children's Hospital of Chicago



DANIELLE CALLAWAY, MD, PhD

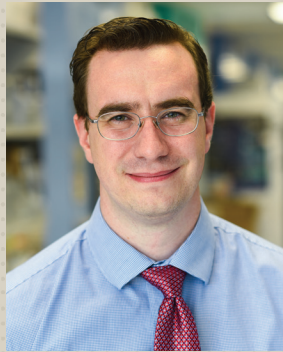
Undergraduate Institution: The University of Texas at Dallas, Richardson, TX
Medical School Institution: MD/PHD: The University of Texas Health Science Center at San Antonio
Hometown: San Antonio, TX
Fellowship Program: Pediatric Neonatology, Children's Hospital of Philadelphia



ROMAN DENISKIN, MSc, MSc, MD, PhD

Undergraduate Institution: University of California - Los Angeles (UCLA) Los Angeles, CA;
M.S. – University of California - Los Angeles
Medical School Institution: MD/PhD – Albert Einstein College of Medicine
Hometown: Los Angeles, CA
Fellowship Program: Pediatric Allergy & Immunology, Texas Children's Hospital

CLASS OF 2018



JOSEPH ALGE, MD, MS, PHD

Undergraduate Institution: Wofford College

Graduate Institution: Medical University of South Carolina

Medical School Institution: Medical University of South Carolina

Hometown: Charleston, SC

Fellowship Program: Pediatric Nephrology, Texas Children's Hospital



EMILY HEIKAMP, MD, MSC, PHD

Undergraduate Institution: Duke University, Durham NC

Graduate Institutions: MSc - University of Oxford, Oxford, United Kingdom
PHD - Johns Hopkins University School of Medicine

Medical School Institution: Johns Hopkins University School of Medicine, Baltimore MD

Hometown: New Orleans, LA

Fellowship Program: Pediatric Hematology/Oncology, Boston Children's Hospital



NICOLE RAMSEY, MD, PHD

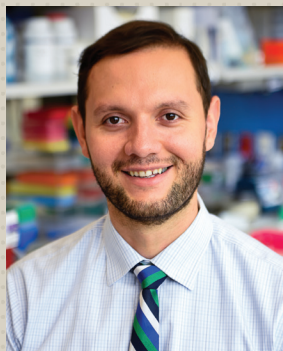
Undergraduate Institution: Howard University

Graduate Institution: Weill Cornell Graduate School of Medical Sciences

Medical School Institution: Weill Cornell Medical College

Hometown: Brooklyn, NY

Fellowship Program: Pediatric Allergy/Immunology, The Mount Sinai Hospital



XAVIER VILLANUEVA RIOS, MD, PHD

Undergraduate Institution: University of Puerto Rico at Mayaguez

Medical School Institution: Harvard University

Graduate Institution: Harvard Medical School

Hometown: San Sebastian, Puerto Rico

Fellowship Program: Pediatric Hematology/Oncology, Texas Children's Hospital

*"The leadership believes in the potential of each one of us
and will do everything they can to support our careers."*

– Nicole Ramsey, MD, PHD

What Can the PSP OFFER YOU?

Tailored IRP

Institutional Commitment

Protected Research Time

Unprecedented Opportunity



STRUCTURED

Integrated Research Pathway

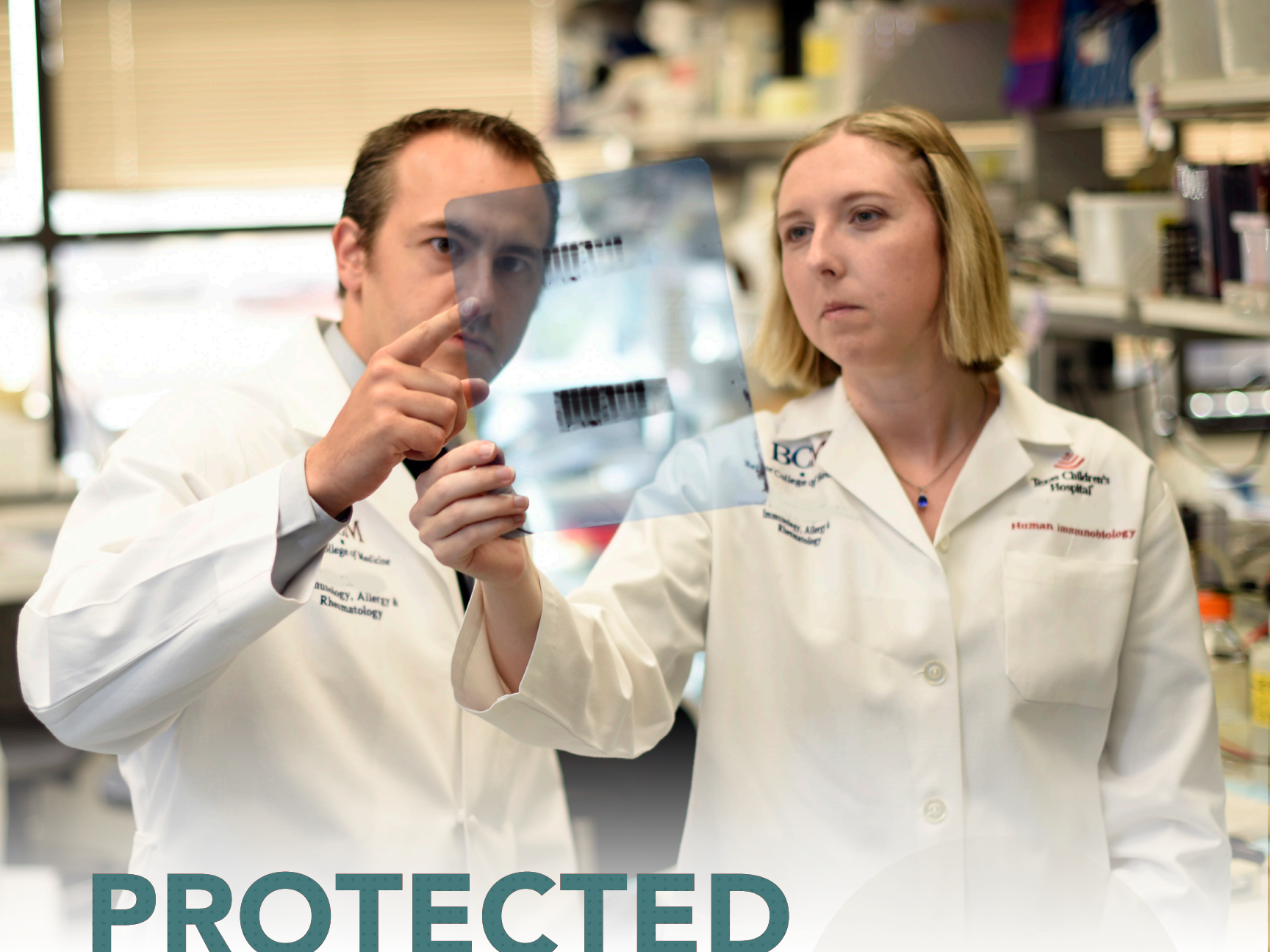
Layered mentorship
Extensive professional development



UNPARALLELED

Institutional Commitment

We want you to join
THE RICH LEGACY OF PEDIATRICIAN-SCIENTISTS
at Baylor College of Medicine



PROTECTED Research Time

Guaranteed for ALL PSP residents
Flexible call schedule during research months
Supplemental research stipend



UNPRECEDENTED Clinical Training

Texas Children's Hospital
Largest department of pediatrics in the world

STEERING COMMITTEE

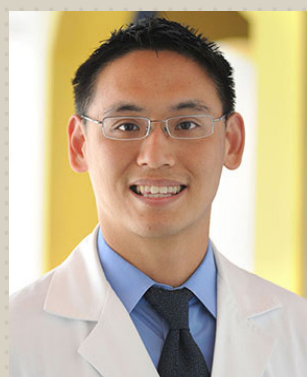
Support of research and career development
from Mentorship in all areas of Pediatrics

ACADEMIC GENERAL PEDIATRICS CHILD HEALTH POLICY & ADVOCACY

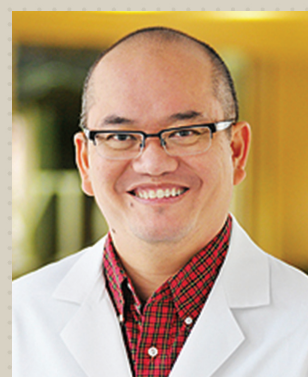


JEAN LECLERC RAPHAEL, MD, MPH
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CRITICAL CARE

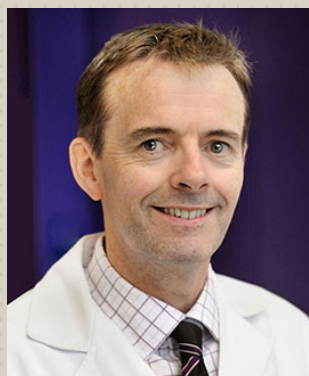


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CARDIOLOGY



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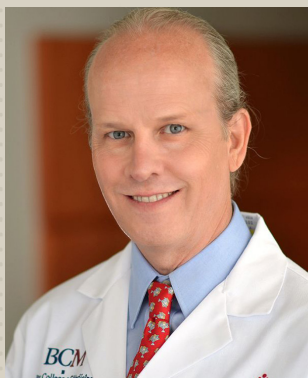
ENDOCRINOLOGY



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STEERING

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GASTROENTEROLOGY/ HEPATOLOGY/NUTRITION



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George Peterkin Endowed Chair in Pediatrics
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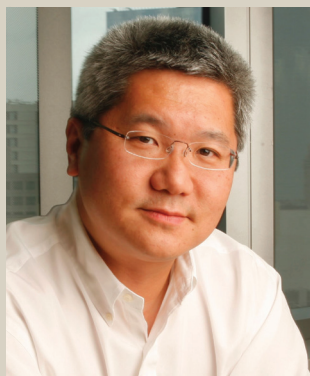
ROBERT SHULMAN, MD
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COMMITTEE

GENETICS



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Robert and Janice McNair Endowed Chair
Professor
Program in Integrative Molecular and Biomedical Sciences,
Developmental Biology, Translational Biology & Molecular Medicine
Director, Center for Skeletal Medicine and Biology
Director, Medical Students Research Track
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Texas Children's Hospital

Ralph D. Feigin, M.D., Endowed Chair

Investigator, Howard Hughes Medical Institute

Member, Institute of Medicine and National Academy of Sciences

Professor

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Program in Integrative Molecular and Biomedical Sciences, Program in
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GLOBAL & IMMIGRANT HEALTH



ANNA MANDALAKAS, MD, PHD, FAAP

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Director, Global Tuberculosis Program

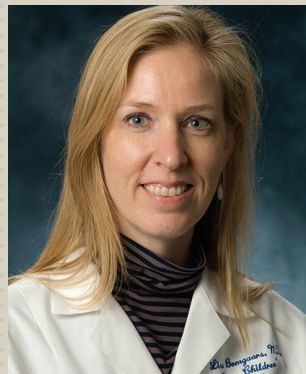
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STEERING

HEMATOLOGY/ONCOLOGY



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Vice President, Clinical and Translational Research
Co-Director, Developmental Therapeutics Program
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LISA BOMGAARS, MD
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INFECTIOUS DISEASE



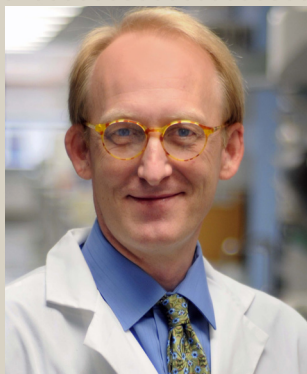
FLOR MUNOZ-RIVAS, MD
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KATHERINE KING, MD, PHD
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Associate Professor
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COMMITTEE

NEPHROLOGY



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Human Genetics, Department of Neuroscience
Investigator
Jan and Dan Duncan Neurological Research Institute
Texas Children's Hospital
McNair Scholar
McNair Medical Institute at The Robert and Janice McNair
Foundation
Associate Program Director, Basic Neuroscience Pathway
Department of Pediatrics
Child Neurology Residency Training Program
Awardee: National Institutes of Health Director's Early
Independence Award from the High-Risk, High-Reward
Research program
hsiaotuan.chao@bcm.edu

TROPICAL MEDICINE



PETER HOTEZ, MD, PHD, FASTMH, FAAP
Dean, National School of Tropical Medicine
Professor, Departments of Pediatrics, Molecular Virology & Microbiology
Co-Head, Section of Pediatric Tropical Medicine
Health Policy Scholar
Baylor College of Medicine
Texas Children's Hospital Endowed Chair of Tropical Pediatrics
Co-Director, Texas Children's Hospital Center for Vaccine Development
University Professor
Department of Biology, Baylor University
Faculty Fellow, Hagler Institute for Advanced Study
Senior Fellow, Scowcroft Institute of International Affairs
Texas A&M University
Baker Institute Fellow in Disease & Poverty and Adjunct Professor of
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Adjunct Professor, The University of Texas, School of Public Health
Founding Editor-in-Chief, PLoS Neglected Tropical Diseases
hotez@bcm.edu

LEADER

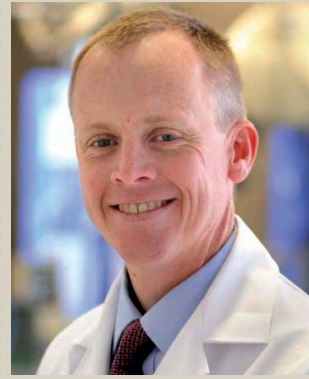


Pediatrician-Scientist Program

Donald Williams Parsons, MD, PHD

Carl Allen, MD, PHD

Audrea Burns, PHD



DONALD WILLIAMS PARSONS, MD, PHD

PSP Co-Director

Pediatrician-Scientist Program

Deputy Director, Texas Children's Cancer Center

Associate Professor

Section of Hematology/Oncology, Department of Pediatrics

Baylor College of Medicine

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SHIP



CARL ALLEN, MD, PHD

PSP Co-Director

Pediatrician-Scientist Program

Co-Director, Histiocytosis Program

Co-Director, Lymphoma Program

Texas Children's Cancer Center

Associate Professor of Pediatrics

Section of Hematology/Oncology

ceallen@txch.org



AUDREA BURNS, PHD

PSP Associate Program Director

Pediatrician-Scientist Program

Assistant Professor, Pediatrics

Center for Research, Innovation, and Scholarship Faculty

Baylor College of Medicine and Texas Children's Hospital

Adjunct Professor, Department of BioSciences, Rice University

audreab@bcm.edu



"The PSP provides specific objectives for trainees to accomplish during each year of the program, which serves as a blueprint for progression through the critical stages of development from resident, to fellow, to K-awardee."

– Joseph Alge, MD, MS, PHD

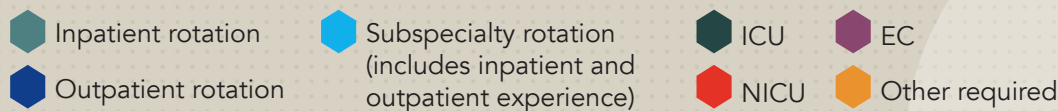
Our IRP: THE EXPERIENCE

• CLINICAL SCHEDULES

PL-1 rotations can occur in any order during the PL-1 year, with the exception of the PSTPD/Harris Health outpt block, which is in block 5 for all PSP residents.

In the second year, the PL-2 research block will always be in block 6. All clinical rotations can occur in any order within the PL-2 year.

In the third year, research will occur in ten continuous blocks. Residents will be paired to experience pediatric hospital medicine which will occur in block 1 or block 12 and the capstone rotation will always occur in block 13.



| | PL-1 | PL-2 | PL-3 |
|----|--------------------------------------|--|-----------------------|
| 1 | *PHM - i | *PICU | ^S *PHM - u |
| 2 | *PHM - i | *TCH PFW | Research |
| 3 | *PHM - i | ^S *Subspecialty - u | Research |
| 4 | *Hematology/Oncology - i | *Liver/GI or Core | Research |
| 5 | #PSP/HH outpt or TCH EC | Cardiology | Research |
| 6 | ##TCH EC +/- HH Outpt | Research | Research |
| 7 | *BT NICU/ICN - i | Adolescent | Research |
| 8 | Newborn | Development ^V | Research |
| 9 | Elective ^V | ^S Harris Health Outpt - u* ^V | Research |
| 10 | PCU | Community Pediatrics ^V | Research |
| 11 | Harris Health Outpt - i ^V | BT EC | Research |
| 12 | Subspecialty - i | TCH EC | Research |
| 13 | Pedi Skills ^V (x2) | Elective ^V | Capstone Rotation |

LEGEND

- * = Call or night shift rotation
- i = Designates an intern rotation
- S** = Supervisory rotation
- u = Upper level rotations
- V** = Rotation in which vacation is given
- # = Some residents will pair PSP with Harris Health outpt and some will pair with TCH EC
- ## = those pairing PSP and TCH EC in block 5 will split the TCH EC block with HH outpt; the others will have a full block of TCH EC

BBT ICN/NICU = Ben Taub neo ICU and intermediate care nursery (Level 2 nursery)

Community Pediatrics = mixed experience, including school health, ride with EMS system, mobile clinic

Core Subspecialty = rotation in which team covers multiple services (renal, rheumatology, genetics, and allergy-immunology)

EC = Emergency Center (TCH – Texas Children’s Hospital;
BT – Ben Taub)

Harris Health Outpt (HH outpt) = County pediatric clinic (general peds and some subspecialty care); located in Pasadena

PSP = 2 weeks dedicated to PSP training

Pedi Skills = rotation in which basic pediatric procedures (e.g., venipuncture, lumbar puncture, bladder catheterization) are taught

PHM = Pediatric Hospital Medicine (general pediatric service)
Subspecialty = neurology, endocrinology, pulmonary, or infectious diseases (Inpt and Outpt)

• PRE-PL-1 GOALS

| | | Categorical | PSP | | |
|---------|----|------------------------------------|---|---|--|
| Block # | | | | | |
| May | | | Residency Education Mentor (REM) Pairing | | |
| Jun | | | | Clinical Case Mentor Identification | Annual Orientation Retreat Attendance |
| Jul | 1 | *PHM - i | | | |
| Aug | 2 | *PHM - i | | | |
| Sep | 3 | *PHM - i | | | |
| | 4 | *Hematology/Oncology - i | | | |
| Oct | 5 | #PSP/HH Outpt or TCH EC | | | |
| Nov | 6 | ##TCH EC +/- HH Outpt | | | |
| Dec | 7 | *BT NICU/ICN - i | | | |
| Jan | 8 | Newborn | | | |
| Feb | 9 | Elective ^V | | | |
| Mar | 10 | PCU | | | |
| Apr | 11 | Harris Health Outpt I ^V | | | |
| May | 12 | Subspecialty - i | | | |
| Jun | 13 | Pedi Skills ^V (x2) | | | |

• PL-1 GOALS

| Categorical | | PSP | | | |
|-------------|----|------------------------------------|---|--|-------------|
| Block # | | | | | |
| Jul | 1 | *PHM - i | Residency Education Mentor (REM) Monthly Meetings | | |
| Aug | 2 | *PHM - i | | | |
| Sep | 3 | *PHM - i | | | |
| | 4 | *Hematology/Oncology - i | | | |
| Oct | 5 | #PSP/HH Outpt or TCH EC | | | |
| Nov | 6 | ##TCH EC +/- HH Outpt | Didactic Noon Conference (DNC) Monthly Seminar | | |
| Dec | 7 | *BT NICU/ICN - i | | | |
| Jan | 8 | Newborn | Pediatrician-Scientist Forum Monthly Seminar | | |
| Feb | 9 | Elective ^v | | | |
| Mar | 10 | PCU | Medical Student Thoughtful Pairings | 1st Resident Individualized Advisory Committee Progress Meeting (RIAC) | |
| Apr | 11 | Harris Health Outpt I ^v | | | |
| May | 12 | *Subspecialty - i | | 2nd Resident Individualized Advisory Committee Progress Meeting (RIAC) | Case Report |
| Jun | 13 | Pedi Skills ^v (x2) | | | |

• PL-2 GOALS

| Categorical | | PSP | | | | | | |
|-------------|----|---|---|---|------------------------|------------------|--|---------------------------------|
| Block # | | | | | | | | |
| Jul | 1 | *PICU | Residency Education Mentor (REM) Monthly Meetings | Primary Research Mentor (PRM) Selection | | | | National Meeting Identification |
| Aug | 2 | *TCH PFW | | | | | | |
| Sep | 3 | ^S *Subspecialty - u | | | | | | |
| | 4 | *Liver/GI or Core | | | | | | |
| Oct | 5 | Cardiology | | | | | | |
| Nov | 6 | Research | Didactic Noon Conference (DNC) Monthly Seminar | | Investigative Research | | | |
| Dec | 7 | Adolescent | Pediatrician-Scientist Forum Monthly Seminar | | | 3rd RIAC Meeting | Internal Grant Pilot Grant Program | |
| Jan | 8 | Development | Medical Student Thoughtful Pairings | | | | Program Decision Announcement & Peer Study Section | |
| Feb | 9 | ^S Harris Health Outpt - u ^V | | | | | | |
| Mar | 10 | Community Pediatrics ^V | | | | | | |
| Apr | 11 | BT EC | | | | | | |
| May | 12 | TCH EC | | | | | | Scholarly Review Article |
| Jun | 13 | Elective ^V | | | | 4th RIAC Meeting | | Orientation Retreat |

• PL-3 GOALS

| Categorical | | | PSP | | | | | |
|-------------|----|-----------|---|------------------------|------------------|------------------------------------|------------------------------|---|
| Block # | | | | | | | | |
| Jul | 1 | Research | Residency Education Mentor (REM) Monthly Meetings | Investigative Research | | | | |
| Aug | 2 | Research | | | | | | |
| Sep | 3 | Research | | | | | | |
| | 4 | Research | | | | | | |
| Oct | 5 | 5*PHM - u | | | | | | |
| Nov | 6 | Research | Didactic Noon Conference (DNC) Monthly Seminar | Investigative Research | | | | |
| Dec | 7 | Research | | | 5th RIAC Meeting | Internal Grant Pilot Grant Program | | |
| Jan | 8 | Research | | | | | | |
| Feb | 9 | Research | | | | | | |
| Mar | 10 | Research | | | | | | |
| Apr | 11 | Research | Pediatrician-Scientist Forum Monthly Seminar | | | | | |
| May | 12 | Research | | | | | Primary Research Publication | |
| Jun | 13 | Research | | | 6th RIAC Meeting | National Meeting Attendance | | Submission and Feedback of Candidate Section of NIH K08 Award to Mock Study Section |

• SUBSPECIALTY GOALS

| PSP | | | | |
|---------|----|--|--|--|
| Block # | | Year 1 | Year 2 | Year 3 |
| Jul | 1 | Residency Education Mentor (REM) Monthly Meetings Didactic Noon Conference (DNC) Monthly Seminar Pediatrician-Scientist Forum Monthly Seminar Medical Student Thoughtful Pairings | | |
| Aug | 2 | | | |
| | 3 | | | |
| Sep | 4 | | Residency Education Mentor Meeting (Bi-annual) | Residency Education Mentor Meeting (Bi-annual) |
| Oct | 5 | | | Residency Education Mentor Meeting (Bi-annual) |
| Nov | 6 | | | |
| Dec | 7 | | | |
| Jan | 8 | | | |
| Feb | 9 | | K Award: NIH K-Award Submission | |
| Mar | 10 | | Residency Education Mentor Meeting (Bi-annual) | Residency Education Mentor Meeting (Bi-annual) |
| Apr | 11 | | | |
| May | 12 | | | |
| Jun | 13 | | | |



Come join an established
legacy of training
pediatrician-scientists
at Baylor College
of Medicine

Highest ranked medical
school in Texas by
U.S. News & World Report

1st

1st

In Texas since 2006 for
funding from the National
Institutes of Health

• BAYLOR COLLEGE OF MEDICINE

8th

Nationally in Pediatrics
from *U.S. News & World
Report*

Highest ranked medical
school for research
in the nation by
U.S. News & World Report.

22nd

Texas Children's Hospital is the primary pediatric training site for Baylor's students. The **largest** pediatric hospital in the nation, Texas Children's is **ranked in all 10 subspecialties** in *U.S. News & World Report's* list of America's Best Children's Hospitals. Overall, Texas Children's Hospital tied for third in the country, and is one of only 10 children's hospitals to achieve Honor Roll designation. Texas Children's Hospital provides care in more than 40 pediatric specialties and has multiple locations across Houston. Additionally, the Texas Children's Women's Pavilion is a state-of-the-art center for obstetrics and gynecology.

Harris Health System (HHS) is a fully integrated healthcare system that cares for all residents of Harris County, Texas. HHS was the first accredited healthcare institution in Harris County to be designated as a Medical Home and is one of the largest in the country. **Ben Taub Hospital**, the central clinical care facility of HHS, is contiguous with the Baylor campus and serves as a teaching hospital for Baylor students for all specialties and their subspecialties.

OPPORTUNITIES ABOUND





Source: infinitepassion.org

Texas Children's has never been better.

The health system remains one of the largest, most comprehensive specialty pediatric health care organizations in the nation.

TEXAS CHILD

Total Team Members 14,000+

In just 60+ years, Texas Children's has grown significantly, not only in size, but also success.

Patient Encounters in 2018 4.3 million

Opening in 1954 as Houston's first pediatric hospital, our legacy of care continues as we lead the charge of accelerating healthcare.



REN'S HOSPITAL

**Number of active
Auxiliary Volunteers 800**

Our Volunteer Services Department provides support, compassion and quality service for the children and families we serve.

**Number of deliveries
at the Pavilion for Women 6,000**

Texas Children's Pavilion for Women has been designated a level IV maternal care facility, the highest level of care available.

**Total Texas Children's
Health Plan Members 438,000**

When people love what they do, when they believe in what they are doing, the results can be staggering.

Source: texaschildrens.org

THE TEXAS MEDICAL CENTER

The world's largest medical complex

Patient Visits Per Year **10 Million**

More than the populations of Los Angeles, Houston, and San Francisco—combined.

Number of Employees **106,000+**

More people than Exxon, Apple, or Google.

Number of Patient Beds **9,200**

If they were all stacked, they would measure approximately 1.65 miles—the equivalent of 7 Empire State Buildings.



The largest medical

Source: texasmedicalcenter.org

17,500 Faculty
15,000 Nurses
10,000 Volunteers
5,700 Researchers
50,000 Students
5,000 Physicians

Number of
Babies Delivered **25,000+**

TMC delivers about 1 baby every
20 minutes.

Number of people
in the health science field **1 in 5**

Living in the 77030 zip code makes
TMC the highest concentration of life
science professionals in the country.

Size of the
medical center **1,345 Acres**

TMC is the eighth-largest business
district in the country—right after
Philadelphia and Seattle.



Where possibilities are endless.

From the first word heard from the moon, to the first artificial heart transplant, Houston remains at the forefront of science and technology.

The City is nationally recognized for its eclectic culture and nightlife, arts and entertainment, recreational amenities, professional sports, fine dining, and more.

HOUSTON

The **City of Houston**, the fourth most populous U.S. city, had a population of 2,325,502 as of July 2018.

Source: The Greater Houston Partnership

Number of **26**

Fortune 500 Companies

Ranked third in the nation for being home to corporate headquarters for some of the nation's top companies.

Cost of Living **3.8%**

Below the national average. Housing costs are 26.3% below the average of the nation's 20 most populous metropolitan areas.

Park & Recreation **66,641**

Acreage

Houston ranks 16th in the nation in park land as a percent of adjusted city area with 580 parks plus 300 miles of hike and bike trails.

Major Performing Arts Companies **4**

One of the few U.S. cities with all four major performing arts resident companies—drama, ballet, opera and orchestra.

Number of Restaurants **10,000+**

You can eat at a different restaurant every day for 27 years and not visit the same restaurant twice. There are more than 70 national food categories served within the City.

Professional Sports **5**

Houston has professional teams in football, baseball, basketball, soccer, not to mention served as host to two of the nation's biggest events—the SuperBowl and the NBA Finals.

At **665 square miles**, the City of Houston is larger than the cities of Chicago, Dallas, Los Angeles, New York, Phoenix and San Diego.



George R. Brown Convention Center



Hermann Park Conservancy



Downtown Houston



Houston City Hall



Life on the Bayou



Wortham Theater Center



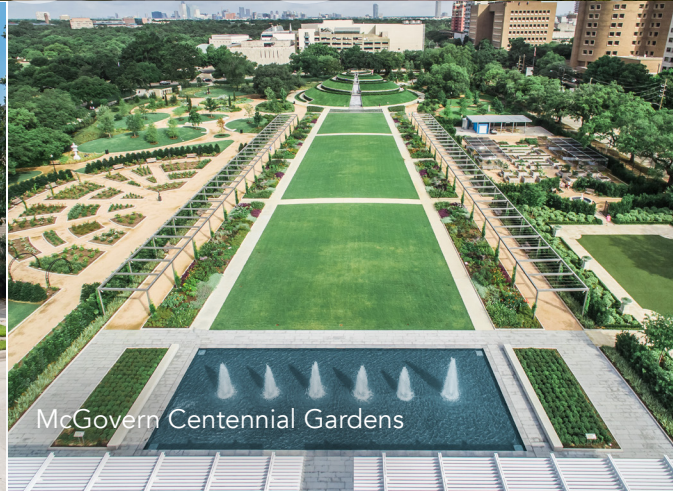


Source: The Greater Houston Partnership

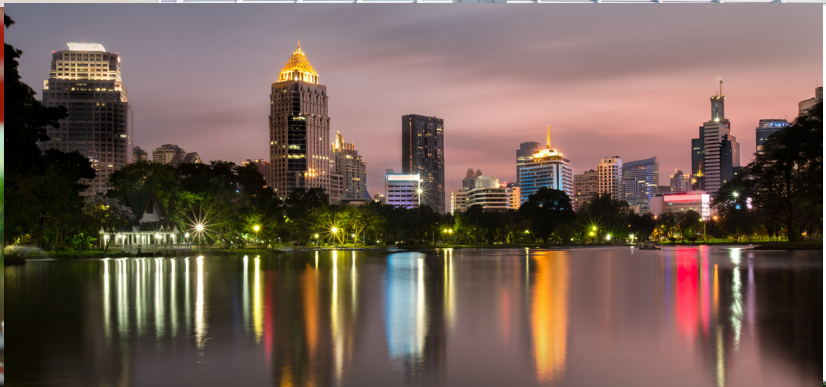
WHY HOUSTON?



Affordable housing



McGovern Centennial Gardens



Parks and green spaces total 39,501 acres



HOUSTON

By the numbers...

Houston Parks and Recreation Department oversees **380 developed municipal parks** and more than **167 green spaces**, which together encompass approximately **39,501 acres**. The department owns and operates **60 community centers** across the city along with the Metropolitan Multi-Service Center. Amenities include:

- 235 playgrounds
- 201 tennis courts
- 173 basketball courts
- 165.3 miles of trails
- 161 baseball and softball fields
- 87 soccer fields
- 30 pools
- 29 water spray grounds
- 20 volleyball courts
- 16 football/rugby/cricket/lacrosse Fields
- 11 community garden sites
- 9 dog parks
- 8 golf courses
- 7 skate parks
- 5 fitness centers
- 4 nature centers

Greater Houston has **4.4 million sq. ft. of convention space** and regularly hosts worldwide events. In 2018, Houston **hosted 415 conventions and meetings** that drew **737,335 attendees** translating into an estimated economic impact of \$591.7 million.

The **Houston Museum District** is one of the country's most visited and diverse cultural centers with **19 museums**. These museums provide rich experiences in art, history, culture, nature and science. The district is divided in four walkable zones, each of which includes a group of museums.

Resident companies in **drama, ballet, opera** and **orchestra** perform year-round in Houston. More than **500 institutions** are devoted to the performing and visual arts, science and history in the Houston area.

Houston restaurants feature outstanding regional dishes as well as diverse international cuisine. In 2018, Houston was home to **11,292 food service and drinking establishments** that employed more than 258,700.

Housing costs in Houston are 46.2 percent below the average for the nation's 20 most populous metro areas and 3.1 percent below the average for all U.S. metros. Excluding the two most expensive housing markets, New York and San Francisco, which tend to skew the average, Houston's housing costs are 35.3 percent below the major metro average.

The Houston Metropolitan Area covers **9,444 square miles**, an area larger than five states: New Hampshire, New Jersey, Connecticut, Delaware and Rhode Island

Average travel time to work: 29.9 minutes

Demographics (2018)

Populations: City of Houston - 2,325,502

Harris County - 4,698,619

Houston Metropolitan Area - 6,997,384

Ethnic diversity:

36.1% White; 37.3% Hispanic/Latino; 16.9% Black/African American; 7.8% Asian; 1.9% Other

Normal daily **maximum temperatures** in Houston: January 62.9°F; April 79.6°F; July 93.7°F; October 82°F. Houston had 56 inches of rain in 2018.

Source: The Greater Houston Partnership

1. How will I balance the PSP program goals along with the categorical clinical requirements?

We have carefully created a customized clinical and block schedule that will allow for protected periods of time each year to work towards program goals. This schedule is unique to PSP residents, as we understand the demands specific to each rotation and the overall clinic load experienced within each year.

2. Will I receive a salary during the research blocks during the PL-2 and PL-3 year?

Yes salary will be provided throughout the entire program and will be the same as for residents in the categorical program.

3. Is there a special application process for the program?

Please apply to the Pediatrician-Scientist Program track in ERAS. Select applicants will be notified to provide additional information.

Frequently Asked **QUESTIONS**

4. Are the tracks ranked separately for the match?

Yes, the PSP program will accept three candidates, separately from those accepted for the categorical program. There will be a separate ranking process for both programs. You will have the opportunity to rank each track that you have applied to and interviewed for. For example, depending on your personal interests and experience after attending the various track interviews, you can rank the PSP first and the Categorical program second. There is a possibility that you can match for the Categorical program and not match for the PSP program since the PSP track has only three spots.

5. Why should I consider the PSP instead of a short track residency?

The PSP is a pathway to independence program and unlike "short-tracking" there are no additional general pediatric clinical requirements to fulfill during fellowship.

6. Houston, Texas?

The Texas Medical Center is the World's Largest medical center and Houston is the fourth largest city in America. Houston just bypassed New York City as the most diverse city in the U.S. and it is the fastest growing major city.

7. What is so unique about the PSP?

The PSP has a protected residency pathway to reconnect you to research, establish your investigative network while focusing intensely on developing your scholarly and investigator skills. The entirety of the 1000+ faculty in the Department of Pediatrics is aligned behind the PSP and your success.

