

Welcome to the PPSTP

Thank you for your interest in the Pediatric Physician-Scientist Training Program (PPSTP) at Vanderbilt. We know you will find Vanderbilt to be an outstanding place to advance your career where we equally emphasize the importance of becoming an exceptional clinician and a skilled pediatric investigator. You will train in our nationally ranked specialty programs and learn from leading senior investigators. Vanderbilt has a long tradition of educating pediatric physician-scientists, and we are eager to recruit the next generation of critically needed academicians.

As part of our commitment to your training, we have recently established a formal PPSTP, which capitalizes on our extensive community of fellows, residents and early career researchers to create a shared experience of academic development. This commitment allows you to focus on long-term, career-shaping goals rather than small-scale, unrelated projects. The PPSTP will assist you in creating your ideal career vision and accelerate your career development. We know your commitment to becoming a physician-scientist combined with our long-term support is the key to realizing your potential as an investigator.

We look forward to working with you to understand your career goals and help you achieve them. Together, we can create the future of child health.

Steven Webber, M.B.Ch.B, MRCP
James C. Overall Professor and Chair
Department of Pediatrics

Daniel J. Moore, M.D., Ph.D.
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Department of Pediatrics Physician-Scientist Training Program

To learn more, contact:

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Visit us on the web:

**Vanderbilt Pediatrics Physician-Scientist
Training Program (PPSTP)**
Pediatrics.vumc.org/ppstp

Vanderbilt Pediatric Residency
Pediatrics.vumc.org/residency

Vanderbilt University Office for Diversity Affairs
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Department of Pediatrics

Physician-Scientist Training Program

The PPSTP at Vanderbilt supports residents who plan a research-intensive career regardless of prior training and their choice of specialty. The program readily adapts for residents wishing to pursue a traditional categorical residency or enroll in one of the American Board of Pediatrics (ABP)-approved special training pathways. We support a wide range of candidates, including residents with MD and MD-PhD degrees who pursue categorical training or training through one of the ABP-approved alternative pathways. Trainees proceed to both procedural and non-procedural specialties as we strengthen research as the core of future innovation in every aspect of pediatric care. The following diagram illustrates aspects of the training and goals at each stage, from internship to early faculty. We anticipate that PPSTP residents will work with this long-view of training and development so they can undertake ambitious and transformative research work.

HOW TO APPLY

Applications are processed only through the Electronic Residency Application Service. There is no supplemental application, but applicants are strongly encouraged to discuss their plans

for research and subspecialty development in their personal statement. Applicants interested in the PPSTP should contact either Dr. Moore or Brooke Austin to let the program know of their interest as special interview days are organized for PPSTP candidates. We encourage applicants from all backgrounds so we can build a diverse and energetic community of pediatric physician-scientists.

VANDERBILT AND THE DEPARTMENT OF PEDIATRICS

Biomedical research at Vanderbilt has long been recognized for its contributions to the advancement of medicine. The School of Medicine has two Nobel Laureates, Earl Sutherland, Jr. and Stanley Cohen. Vanderbilt has more than 450 research laboratories supported by more than \$450 million in extramural funds, as well as approximately 350 graduate students and 400 postdoctoral fellows involved in the research endeavor. The Medical School's reputation for outstanding research is reflected in the amount of federal and private support it receives per faculty member. The Department of Pediatrics has been among the top 10 for National Institutes of Health funding for over a decade. Multiple other departments at Vanderbilt, in any of which PPSTP candidates may train, are also highly ranked in funding and scholarly output, including the Departments of Medicine, Molecular Physiology, Biochemistry, Pharmacology, and Cell & Developmental Biology.

Vanderbilt provides an outstanding environment for exceptional research training with more than 25 shared core resources,

the Vanderbilt Institute for Clinical and Translational Research (VICTR), and the largest and most innovative DNA repository (BioVU) in the world. In addition to state-of-the-art research facilities, Vanderbilt faculty and postdoctoral trainees enjoy a highly collegial and collaborative spirit that crosses departments and enables multidisciplinary research. You will also be supported by several outstanding research centers and institutes that span multiple departments and schools, all of which are on Vanderbilt's centrally-located campus.

R38 STIMULATING ACCESS TO RESEARCH IN RESIDENCY (STARR) PROGRAM

The Department of Pediatrics at Vanderbilt University is committed to training the next generation of leading pediatric investigators. While some residents will already have undertaken extensive research training prior to residency, we understand that others come to research later driven by a clinical problem or insight. As part of our residency, we have now developed a specialized program to enable residents with limited prior research training to undertake longitudinal training towards becoming physician-scientists. Our goal is to identify those applicants and residents with a passion for discovery in child health and provide them with the opportunities that activate and enhance their careers.

To achieve this goal, we have established at Vanderbilt a mentored training program (V-StARR) for residents possessing both the aptitude and passion to become a new generation of basic, clinical and translational clinician-scientists. The program will provide a nurturing mentored environment for Resident Investigators for 1-2 years of highly rigorous research training to facilitate transition to a research-focused fellowship with the ultimate goal of achieving independence as clinician-scientists. This program offers mentored training integrating with the proven and highly successful institutional clinician-scientist training programs at Vanderbilt. Each Resident Investigator will participate in workshops, courses, and our societies for clinician-scientist development and will complete a mentored research project. Investigation may be basic, translational, clinical, or in the area of population health. Each Resident Investigator will have a personalized Scholarly Oversight Committee to assist in achieving program goals, to provide independent evaluation of their progress, and to develop, advise on, and track their career development plan. All departments, hospitals, research laboratories and core facilities reside on a single campus offering an integrated research environment for early career physician-scientists.

If you are interested in improving child health through research, we encourage you to consider this amazing opportunity at Vanderbilt. We look forward to working with you to understand your goals and to help you connect them to the ideal mentoring and research training. If you would like more information about this program, please contact either Dr. Daniel Moore (Director of the Pediatric PSTP, daniel.moore@vumc.org) or Dr. Whitney Browning (Director of the Pediatric Residency Program, whitney.browning@vumc.org).

	M4	PGY 1	PGY 2 - 6+	Early Faculty
	Interview	Clinical Training and Research Preparation	Residency and Fellowship Clinical & Research Training*	Transition to Independence
Goals	Discover Mentors Assess Environment Review Support Explore Outcomes	Assess Mentors Select Training Pathway <ul style="list-style-type: none"> Categorical Integrated Research Accelerated Research 	Develop Research Program Apply for Internal (T32) and External (F32, PSDP, Foundation) Grants Present at National and International Conferences Compete for Scientific Awards and Honors Publish High-Quality Manuscripts	Establish Lab Apply for Internal and External Awards Publish Findings
Resources	Two-Day PPSTP Interview <ul style="list-style-type: none"> PPSTP Trainees PPSTP Director Pediatrics Chair 	Intern Clinical Elective PPSTP Meetings PPSTP Fellows Fellowship Program and Division Directors	Grant Writing and Pacing Workshops <ul style="list-style-type: none"> <i>Grant Studios</i>: Assemble a Panel of Experts to Review Your Hypothesis, Aims, Methods or Proposals <i>Edge Review</i>: Have Your Grant Reviewed by a Full Mock Study Section; See the Video and Receive Comments PPSTP Meetings	Internal Early Faculty Awards (VFRS, BIRCWH, Departmental K12) High Success Rate for External Applications Continued Availability of Grant Resources Mentoring Committee Peer Support Groups (Hazinski Society, Newman Society)
Outcomes	Choose Vanderbilt	Choose Mentor and Pathway	Establish Your Scientific Program with Publications and Funding	Independent Research Program

*Residents may pursue categorical training or use the special pathways approved by the ABP — Integrated Research Pathway (IRP) or Accelerated Research Pathway (ARP). Categorical residents may have up to five months of residency research. IRP residents will have up to 11 research months. ARP residents will complete residency in two years and have three years of fellowship research. Fellowship clinical training will last 12-24 months depending on specialty. Vanderbilt expects that PPSTP residents are clinically exceptional. The program has a strong track record of using the ABP-approved alternative pathways.