

Vital Signs

Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY

Alumni Update

Building on the school's original vision, we look to the future while remaining true to our mission of creating outstanding physicians to serve our region and beyond and embracing continuous improvement and innovation.

04

A Strategic Plan Forward

which outlines our vision for the next five years.

06

Research Activity

is a core of our foundation and part of our plan for the future.

From the Dean

“We look to the future while remaining true to our mission of creating outstanding physicians.”



It is hard to believe I've passed the two-year mark as dean of the Boonshoft School of Medicine (BSOM)! When I arrived in November 2020, the school was enduring the depths of the coronavirus pandemic. The vaccines hadn't yet been rolled out, our Foundations classes were still occurring remotely, and our clinical students, faculty, and researchers were being challenged to carry out their work under the difficulties posed by the need for social distancing and masking. Undaunted, our community rose to the challenges, and here we are, two years later, experiencing fully in-person activities in a much safer environment. I am so proud of the BSOM faculty, staff, and students who kept their laser focus on our mission to create the next generation of physicians and scientists to serve our region, state, and world and to advance research and patient care.

During the challenges of the last few years, we've continued to look forward. The next five years will be an exciting time as BSOM will reach its milestone 50th anniversary in 2026! With this in mind, we began a strategic planning process in 2021 which engaged a broad segment of the BSOM community. In this issue of *Vital Signs*, we are pleased to share with you a summary document of our Strategic Plan, which outlines our vision for the next five years at BSOM. Building on the school's original vision, we look to the future while remaining true to our mission of creating outstanding physicians to serve our region and beyond and embracing continuous improvement and innovation. We also retain our dedication to be a welcoming "school of opportunity" where we strive to create a diverse

physician workforce dedicated to improving health outcomes in our region.

We feature the activities of our research department, which continues to remain a core of our foundation and plan for the future with over \$16 million in program funds. BSOM's commitment to research was demonstrated this year with our first annual research symposium, organized by our new associate dean for research affairs, Paul J. Hershberger, Ph.D., where faculty and staff shared numerous posters and presentations.

We recognize and celebrate the match results of all 107 of our amazing students, 33 percent of which are staying in Raider country. In addition, we continue the BSOM tradition of having over 37 percent of students match in primary care fields.

Since the inception of BSOM, our alumni have excelled in their careers all over the world. We celebrate and recognize these accomplishments in Alumni Notes.

Student scholarships remain a top priority for us, as the average BSOM student incurs over \$210,000 in debt during their years in school. As always, we thank our generous alumni, friends, and donors who continue to support us.


Valerie D. Weber, M.D., M.S.

Vital Signs

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**Assistant Vice President
for Advancement**
Angela Clements, C.P.A.

Editor
Angela Clements, C.P.A.

Assistant Editors
Andrew Call
Nicki Crellin
Chris Molnar

Photography
Erin Pence
Chris Snyder

Design
Josh Trippier

How to contact us:
Editor, *Vital Signs*
Wright State University
Boonshoft School of Medicine
3640 Colonel Glenn Hwy.
Dayton, Ohio 45435
937-245-7634
som_adv@wright.edu
medicine.wright.edu/alumni

To submit Class Notes:
som_adv@wright.edu
937-245-7634

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Strategic Plan

OUR STRATEGIC VISION

TAKING FLIGHT

Wright State University is named for Orville and Wilbur Wright, who invented and successfully flew the world's first powered, controlled flight on a field adjacent to the university. While working on an early version of an engine, they used a catapult attached to a track to get the plane up to launching speed. As Boonshoft School of Medicine looks ahead, what are the catapults that will launch us into our next phase, enabling us to take flight?

- **Our people**—Faculty, staff, and students are our most valuable resource.
- **Our community partners**—Without them, our vision could not be achieved.
- **Our will, determination, and spirit of innovation**—We follow the path forged by a long history of inventors and innovators from the Dayton region who changed the world.
- **Our trust and belief in the core mission and vision.**
- **Our commitment to diversity and inclusion**—Including diversity of thought, talent, and ability will increase our momentum.



BOONSHOFT SCHOOL OF MEDICINE

VISION AND MISSION

We transform lives through our commitment to outstanding education, innovative research, community partnerships, and exemplary clinical care. We amplify diversity and belonging as we advance health in Ohio's communities and beyond.



A NATIONAL MODEL

OBJECTIVE

The Boonshoft School of Medicine will be a national model of outstanding community-focused medical education, responsive to the workforce needs of Ohio and the Miami Valley.

STRATEGIES

We will make improvements to the White Hall facility to support enhanced capacity for student learning and wellness.

We will enhance student-facing services, including mental health, career advising, and academic advising, to assure student success.

We will create excellence through ongoing monitoring of Liaison Committee on Medical Education (LCME) standards through its QI processes and governance committees, ensuring outstanding accreditation outcomes.

We will continue to expand our vision for diversity and inclusion to create a supportive environment for all.



FACULTY AND STAFF

OBJECTIVE

Recognizing that our people are our most impactful and important resource, the Boonshoft School of Medicine will invest in faculty and staff development and retention strategies.

STRATEGIES

We will expand programs to support faculty recruitment, development, and retention.

We will expand support for staff, including improved mentoring and recognition.



ACADEMIC RESEARCH

OBJECTIVE

Affirming the importance of scientific discovery to our academic mission, the Boonshoft School of Medicine will expand opportunities for involvement in research for faculty, residents, and students.

STRATEGIES

We will grow research support and infrastructure within the Boonshoft School of Medicine.

We will enhance opportunities for faculty and student research and the advancement of scholarship.



CENTER OF EXPERTISE

OBJECTIVE

The Boonshoft School of Medicine will grow our reputation as a preeminent place to obtain care and a center of educational and medical expertise in the region and across Ohio.

STRATEGIES

We will develop a marketing and branding plan in concert with Wright State Physicians and Wright State University.

Wright State Physicians will strive to enhance clinical operations and quality of care to become a sought-after location of medical care within our community.



STRONG COMMUNITY PARTNERS

OBJECTIVE

The Boonshoft School of Medicine will be fully engaged with our community partners to make health and life better in the Miami Valley and beyond.

STRATEGIES

We will continue to engage with academic partners to the fullest extent around undergraduate medical education, graduate medical education, research, and clinical care.

We will expand community engagement activities to make a greater impact on the Miami Valley.

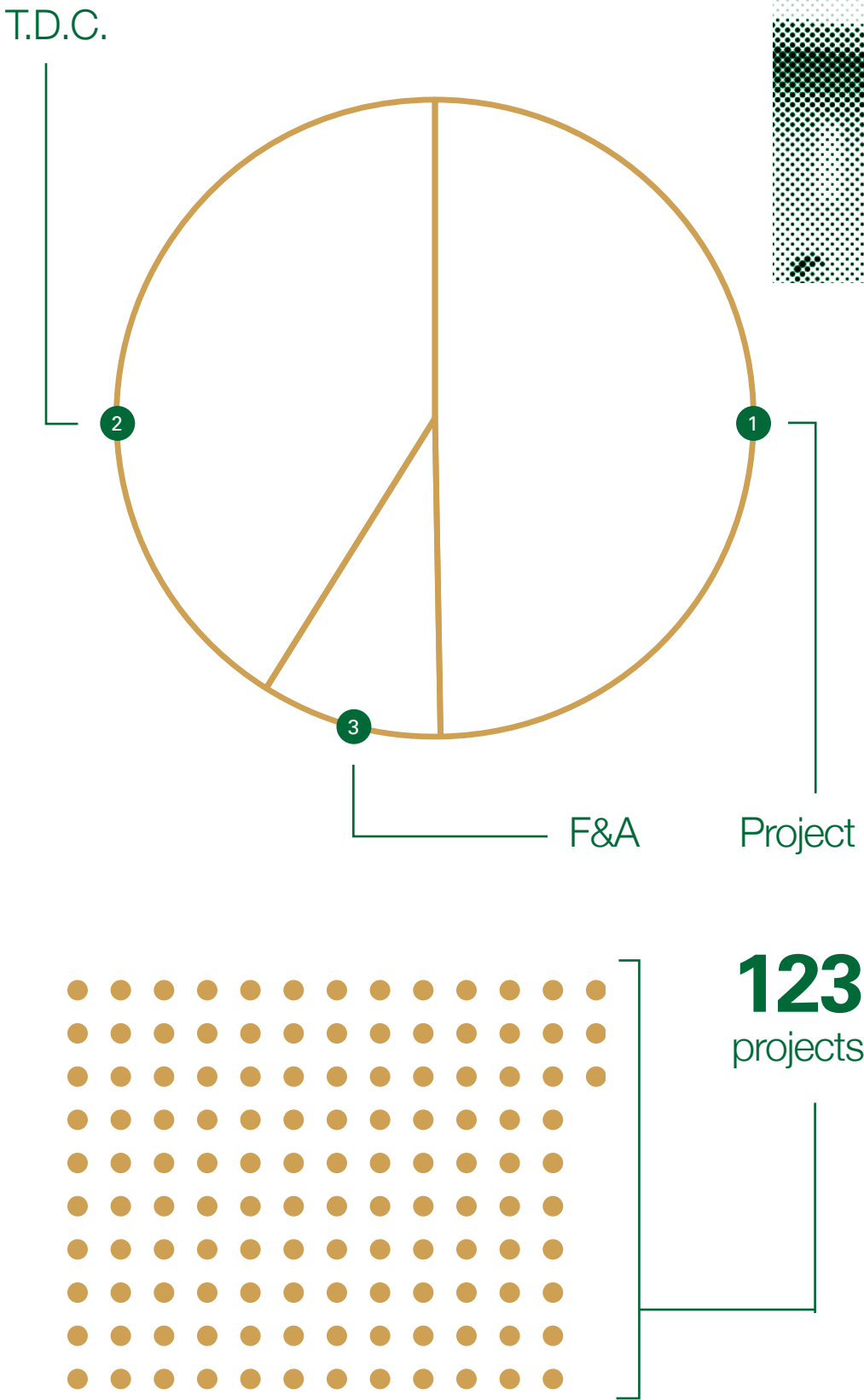
Research Activity

2023 GOALS

- EMPLOY STAFF AND INCREASE FUNDING**
Employ staff for the Office of Research Affairs with an emphasis on increasing research activity and funding.
- SEED GRANT**
Conduct another seed grant application and award process.
- EXPAND RESEARCH OPPORTUNITIES**
Collaborate with the department of medical education in expanding research opportunities for medical students.

2023 PRIORITIES

- PROMOTING RESEARCH**
Promote research among clinical and basic science faculty.
- RECRUITMENT AND RETENTION**
Emphasize faculty recruitment and retention.
- INFRASTRUCTURE**
Create infrastructure for centralized support of research activities.
- MANAGEMENT AND REPORTING**
Increase financial management and reporting.



Fiscal Year 2022	Count	Project	T.D.C. Total Direct Cost	F&A Facilities and Administrative
Totals	123	\$16,223,635	\$13,288,484	\$2,935,152
Biochemistry/Molecular Biology	7	\$1,268,782	\$918,085	\$350,697
Business Office	4	\$3,836,977	\$3,639,730	\$197,247
Family Medicine	3	\$829,075	\$760,780	\$68,295
Medical Education	1	\$244,004	\$244,004	\$0
Medicine	4	\$609,261	\$492,023	\$117,238
Neuroscience, Cell Biology, and Physiology	20	\$3,386,579	\$2,374,924	\$1,011,655
Orthopedic Surgery	2	\$62,213	\$49,375	\$12,838
Pediatrics	3	\$47,168	\$31,445	\$15,724
Pharmacology and Toxicology	41	\$1,979,885	\$1,495,543	\$484,342
Population and Public Health Sciences	19	\$2,783,576	\$2,140,065	\$643,511
Psychiatry	12	\$1,045,500	\$1,041,214	\$4,286
Research Affairs	6	\$68,244	\$51,795	\$16,449
Surgery	1	\$62,371	\$49,501	\$12,870

Research Activity



NEW ASSOCIATE DEAN, VICE PROVOST FOR RESEARCH

Associate Dean of Research Affairs Dr. Madhavi Kadakia (right), was promoted to Vice Provost for Research and Innovation. Dr. Paul Hershberger (left) was subsequently appointed to serve as Associate Dean for Research Affairs.

5 NEW SEED GRANTS

COLLABORATIVE TRADITIONAL GRANTS

Disparate trajectories: A mixed-methods study of race and gender disparities in post-overdose outcomes.

Drs. Danielle Gainer (Psychiatry) and **Sydney Silverstein** (Population and Public Health Sciences)

Defining the roles of SRC-3 and SOX2 in diffuse intrinsic pontine glioma (DIPG).

Drs. Weiwen Long (Biochemistry and Molecular Biology) and **Robert Lober** (Pediatrics)

Translational relevance of the PAF system in combination chemotherapy-mediated micro-vesicle particles release.

Drs. Ravi Sahu (Pharmacology and Toxicology) and **Kelly Miller** (Internal Medicine)

JUNIOR FACULTY AWARD TO SUPPORT DIVERSITY IN RESEARCH GRANTS

Define phosphatidylinositol 4-kinase IIIB as a novel and tractable target for blocking oncogenic K-Ras signaling.

Dr. Kwang-Jin Cho

African American older adults living with HIV: Exploring intersectional stigma and HIV.

Dr. Timothy Crawford

FIRST RESEARCH SYMPOSIUM

April 6, 2022

57

posters by faculty and students

FEATURED TALKS

Timothy Crawford, Ph.D., M.P.H.

Exploring the Impact of Discrimination and HIV-related Stigma on Engagement in HIV Care: Findings from a Pilot Study among Older African Americans Living with HIV

Jason Miner, M.D.

Defining Mild Traumatic Brain Injury: Making the Leap from Research Definition to Clinical Practice

Sydney Silverstein, Ph.D. and Danielle Gainer, M.D.

Rethinking Trauma-Informed Care: How Qualitative Research Can Inform Clinical Practice

Kwang-Jin Cho, Ph.D.

K-Ras Plasma Membrane Interactions: A Tractable Therapeutic Target

Christopher Dupont, B.A., MS3

Understanding Muscle Weakness in Hyperkalemic Periodic Paralysis

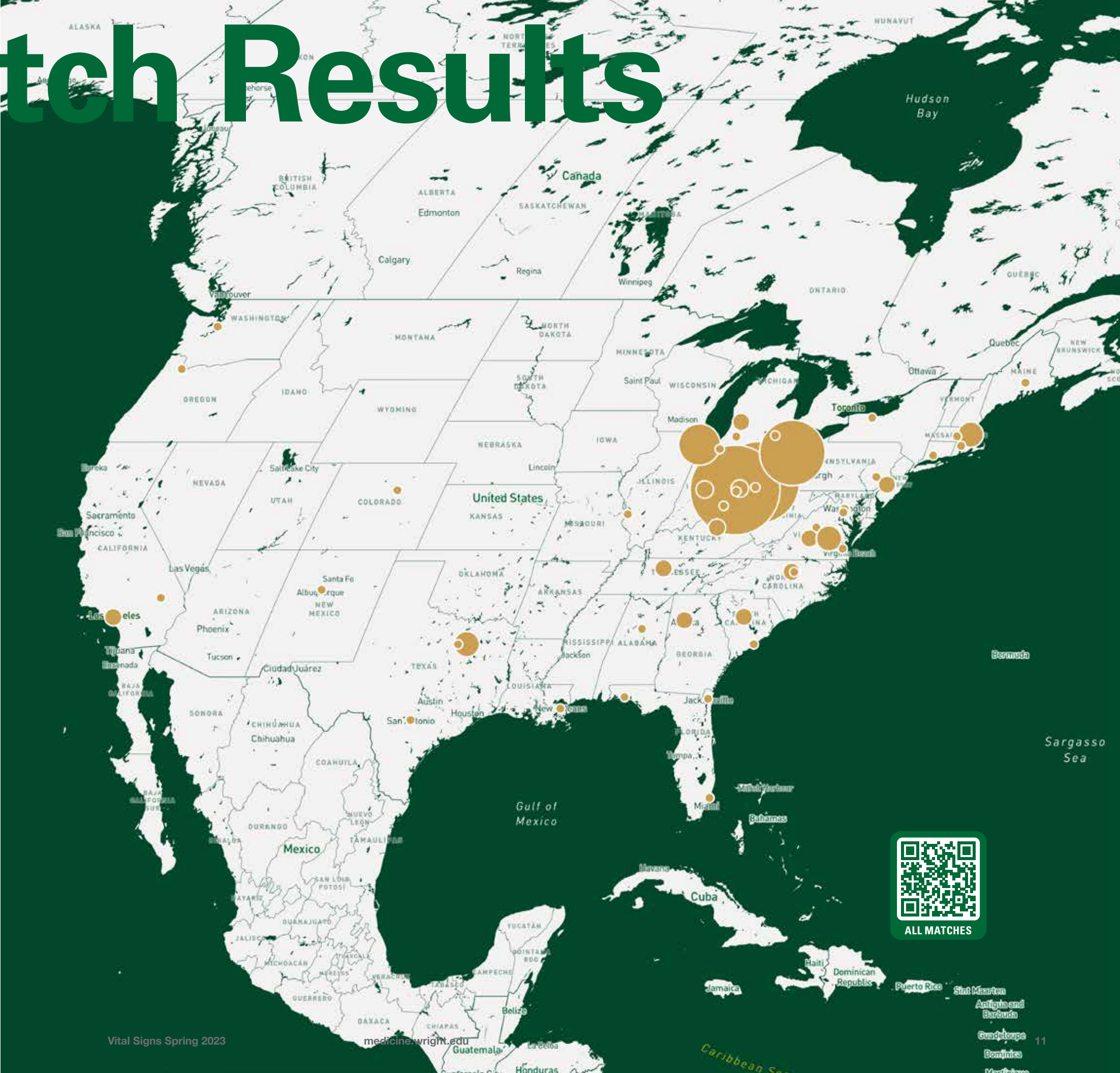
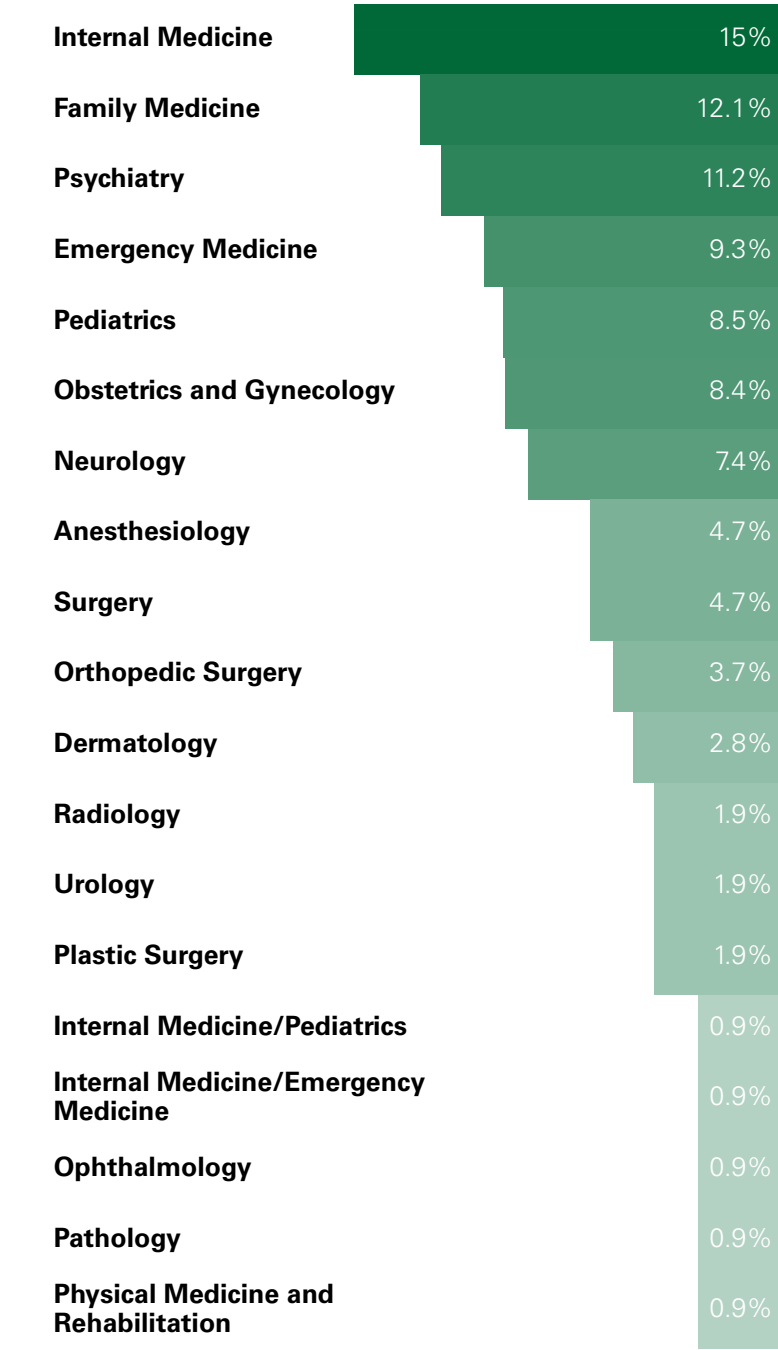
Scout Bowman-Gibson, B.S., MS2/G1

Isolation and Application of Extracellular Vesicles

Tonia Rhone, M.S., MS3

Patient-Centered Focus Groups as a Catalyst for Anti-Racism Research and Quality Improvement in an Urban Academic OB/GYN Clinic

2023 Match Results



Alumni Notes

'92 Sophia Apple, M.D. wrote and published the book *Who says you have breast cancer? The Unseen Doctors: Pathologists who determine the name of a patient's illness.*

'93 Adel Hanna, M.D. authored *Soldier to Soldier, Heart to Heart, A Doctor's Stories from a Military Camp.*

'97 Mark Gebhart, M.D., E.M.T.-P., F.A.A.E.M. is the Associate Medical Director at Butler Tech EMS Education as well as an Emergency Medicine Physician with the U.S. Army.

'02 Christopher Sears, M.D. completed the Internal Medicine residency program at Kettering Medical Center, where he was awarded the Albert Brust Excellence in Residency award. He is currently the medical director for Tiffin Mercy Hospital's Hospitalist service and was recently awarded the 2021 Physician Excellence in Mission award for the third time.

'03 Deanna Allgeyer, M.D. is a family medicine practitioner in Lebanon, Ohio, with Kettering Physician Network Primary Care. She and her husband have three daughters.

'08 Heidi Yount, M.D. of Arcanum was appointed to the Ohio Academy of Family Physicians (OAFP) Board of Directors as West Central Regional Director in September 2022. She's also secretary of the Wayne Healthcare Medical Executive Committee and is a preceptor for the OAFP Foundation's Leroy A. Rodgers, M.D., Preceptorship Program.

'11 Jess Levy, M.D. started his own practice, A+ Psychiatry, in Mayfield Heights, Ohio. He has been honored as teacher of the year for the child psychiatry fellowship at Cleveland Clinic in 2018 and 2020, and at Akron Children's in 2022. He and his wife **Yue Yuan, M.D. '11**, have two children, Ethan (8) and Avery (4).

'15 Zachary Il'Giovine, M.D. is a Fellow in Cardiology Critical Care at the Cleveland Clinic.

'16 Nicole Starr, M.D., M.P.H. joined the Holzapfel & Lied Plastic Surgery Center as a Facial Plastic & Reconstructive Surgeon. She completed an otolaryngology-head and neck surgery residency at the University of Kentucky and a facial plastic and reconstructive surgery fellowship at The University of Texas Health Center at Houston. Nicole is married to fellow BSOM alum **Brian Starr '15**.

'17 Kevin Purcell, M.D., M.P.H., M.S. completed his residency at the University of Mississippi Medical Center in orthopedic surgery. He is currently an Adult Reconstruction Fellow at Duke University.

'19 Katie Adib, M.D. completed her third year in residency at The Ohio State University in internal medicine. Katie is starting a chief year and looking forward to practicing pulmonary critical care.

*Residency graduate.



Vital Signs Spring 2023



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Thank You



Thank you to all of our donors and voluntary faculty members. You are shaping the future of the next generation of physicians in our communities and beyond!

Valerie
Valerie D. Weber, M.D., M.S.



wright.edu/go/givevital

Make your gift today

Whether you wish to make an annual gift, a special one-time gift, a named gift or a planned gift, your donation will support the work of Wright State University Boonshoft School of Medicine now and in the future.

Angela Clements

Assistant Vice President for
Advancement
725 University Blvd.
Dayton, OH 45435
937-245-7627
angela.clements@wright.edu



Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY

3640 Colonel Glenn Highway
Dayton, OH 45435

ACADEMY OF MEDICINE ANNUAL DINNER

TUESDAY, APRIL 25, 2023

The Steam Plant | Dayton, OH



Register Now

or visit
wright.edu/aom-dinner



Join the AOM

or visit
wright.edu/join-aom

BOONSHOFT SCHOOL OF MEDICINE GRADUATION

SUNDAY, APRIL 30, 2023

The Wright State University Nutter Center