I am pleased to present you the 2022 Department of Medicine Annual Report entitled “Innovation, Impact and Inclusion.” This past academic year the Department of Medicine (DOM) continued to achieve remarkable success in every aspect of our tripartite mission as well as increased cultural awareness and enhanced diversity, equity, and inclusion (DEI) efforts with the appointments of three exceptional leaders to advance this work. Medicine investigators successfully competed for $168M in total cost research funding and continued to translate basic research into clinical practice with multiple innovative discoveries, publishing over 2,000 impactful papers with dozens in high-profile journals, and conducting nearly 1,700 clinical research studies. Medicine clinicians continued to provide excellent care to COVID patients in the emergency room, on the inpatient services, in the ICU’s and in the clinic during the third year of the pandemic. Our expertise in these realms was acknowledged nationally with U.S. News & World Report recognition for our clinical programs in gastroenterology, cancer, diabetes/endoocrinology, pulmonary medicine, cardiology and geriatric medicine, and NIH top 25 recognition in research funding. Medicine educators continued to impact the lives of our 300+ trainees to successfully prepare them for careers in academic medicine. Other notable departmental highlights from this past year include:

- Appointment of Mark Anderson, MD as Executive Vice President for Medical Affairs, Dean of the Division of the Biological Sciences, and Dean of the Pritzker School of Medicine effective October 1, 2022.
- Appointments of 9 new administrative leaders within the DOM: Dorisano Miller, MD as Vice Chair for DEI; Monica Peak, MD as Associate Vice Chair for Research Faculty Development; Kermit Carter, MD Associate Vice Chair for DOD Education; Jennifer Pisano, MD Chief of the Section of Infectious Diseases and Global Health; Thomas Spiegel, MD as Interim Chief for the Section of Emergency Medicine; Marius Chivu, MD as Associate Chief for the Section of Hospital Medicine; Sonia Kupfer, MD as the Director of the Physician Scientist Development Program; James Manthey as Executive Administrator, and Mark Mitchell as Associate Executive Administrator.
- Four institutional leadership appointments: Christine Babcock, MD as Associate Dean for Graduate Medical Education; PSOM; Luis Barreiro, PhD as Chair of the Committee on Genetics, Genomics and Systems Biology; Bana Jabri, MD, PhD as Chair of the Committee on Immunology; Euna Tassal, MD as Director of UChicago Sleep.
- Four named professorships/distinguished service professorships: Marshall Chin, MD named as the Richard Parker Family Distinguished Service Professor; Bana Jabri, MD, PhD named as the Sara and Harold Lincoln Thompson Distinguished Service Professor; Karen Kim, MD named as the Sara and Harold Lincoln Thompson Professor and Monica Peak, MD named as the Ellen H. Block Professor for Health Justice.
- National and state recognition for the outstanding work of our faculty. For example, Punnal Dilapade, MD was inducted to the National Academy of Sciences; Marisal Alepae, MD, PhD and Yoav Gidale, PhD were elected to the American Association for the Advancement of Sciences; Mark Siegel, MD named as the inaugural recipient of the SGIM Excellence in Medical Ethics Award; Shellee Williams, MD was the inaugural recipient of the Richard Payne Leadership Award from the Hastings Center and Carffin-Dixon Foundation.
- Highly successful residency and fellowship match.
- Cultivation of a new generation of translational scientists via our Coggeshall Fellow and Pathway to Independence instructor appointments.

Innovation, Impact and Inclusion
### Organizational Structure

**Chairman, Department of Medicine**

<table>
<thead>
<tr>
<th>Executive Committee:</th>
<th>Everett E. Vokes, MD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vice Chair of Appointments &amp; Promotions</td>
<td>Steven White, MD</td>
</tr>
<tr>
<td>Vice Chair of Clinical Operations</td>
<td>Matthew Sorenson, MD</td>
</tr>
<tr>
<td>Vice Chair for Diversity, Equity &amp; Inclusion</td>
<td>Droriana Miller, MD</td>
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<tr>
<td>Vice Chair of Education</td>
<td>John McGinn, MD</td>
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<tr>
<td>Vice Chair of Faculty Development</td>
<td>Deborah Burnet, MD</td>
</tr>
<tr>
<td>Vice Chair of Research</td>
<td>Yoav Gild, PHD</td>
</tr>
<tr>
<td>Vice Chair of Research</td>
<td>Bana Jabri, PhD</td>
</tr>
<tr>
<td>Associate Vice Chair-Ambulatory Operations</td>
<td>Raghur Mirmira, MD, PHD</td>
</tr>
<tr>
<td>Associate Vice Chair-Appointments &amp; Promotions</td>
<td>Lisa Vinci, MD</td>
</tr>
<tr>
<td>Associate Vice Chair-Clinical Research</td>
<td>Dorothy Hanick, PHD</td>
</tr>
<tr>
<td>Associate Vice Chair-Diversity, Equity &amp; Inclusion</td>
<td>Hedy Kindler, MD</td>
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<tr>
<td>Associate Vice Chair-Quality</td>
<td>Keme Carter, MD</td>
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<tr>
<td>Associate Vice Chair-Research Faculty Development</td>
<td>Andrew Davis, MD</td>
</tr>
<tr>
<td>Associate Vice Chair-Translational Research</td>
<td>Monica Park, MD</td>
</tr>
<tr>
<td>Executive Administrator</td>
<td>Jing Chen, PHD</td>
</tr>
<tr>
<td>Associate Executive Administrator</td>
<td>James Manthey, MBA</td>
</tr>
</tbody>
</table>

**Biomedical Data Science**

- Biomedical Data Science: Robert Grossman, PhD
- Cardiology: James Liao, MD
- Dermatology: Diana Bozic, MD, PhD
- Emergency Medicine: Thomas Spiegel, MD (interim)
- Endocrinology, Diabetes & Metabolism: Ronald Cohen, MD
- Gastroenterology, Hepatology & Nutrition: David Rubin, MD
- General Internal Medicine: Deborah Burnet, MD
- Genetic Medicine: Yoav Gild, PHD
- Geriatrics & Palliative Medicine: Stacie Levine, MD
- Hematology/Oncology: Sonal Smith, MD
- Hospital Medicine: David Mallner, MD, PHD
- Infectious Diseases & Global Health: Jennifer Pisano, MD
- Nephrology: Arlene Chapman, MD
- Pulmonary/Critical Care: Geihan Muftu, MD
- Rheumatology: Marcus Clark, MD

**Diversity Committee Chairs:**
- Diversity Committee: Doritane Miller, MD
- Women’s Committee: Julie Oyler, MD

**Chief Residents:**

**2022 Chief Residents**
- Marie Dreyer, MD
- Michael Jacobs, MD
- Ross McMillan, MD
- Kathleen West, MD

**2023 Chief Residents**
- Mary Acosta, MD
- Ashish Gandhi, MD
- Lauren He, MD
- Nathan Koff, MD

**Senior Management:**

- Budget and Finance: Sunila Goyal
- Clinical Revenue and Billing: Shefali Patel
- Clinical Research Support: Allison Buonamici
- Clinical Trials Financial Group: Matthew Levine
- Human Resources (Academic): Sharri Frazier
- Hurban Resources (Staff): Chris Yaros
- Information Systems: Max Marchevsky
- Research Administration: Katie Pizer
- Research Strategy and Development: Shelly Wright, PhD

### Fiscal Year 2022 (FY22) By The Numbers

<table>
<thead>
<tr>
<th>Category</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty</td>
<td>15</td>
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<tr>
<td>Subspecialty Sections</td>
<td>15</td>
</tr>
<tr>
<td>RVU’s</td>
<td>1,310,955</td>
</tr>
<tr>
<td>Onsite Visits</td>
<td>206,898</td>
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<tr>
<td>Emergency Room Encounters</td>
<td>61,901</td>
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<tr>
<td>Offsite Visits</td>
<td>41,694</td>
</tr>
<tr>
<td>Telemedicine Visits</td>
<td>11,595</td>
</tr>
<tr>
<td>Admissions</td>
<td>16,609</td>
</tr>
</tbody>
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### Research Activity

- NIH Program Project Grants: 10 NIH T32 Training Grants
- Trainees: 307
- Residents: 176
- Subspecialty Fellows: 131

### Transplant Cases

- 456

### Clinical Activity

- Total NIH Awards: $108M
- Clinical Trial Earnings: $27M
- Total Sponsored Research Awards & Clinical Trials Earnings: $168M

### Educational Activity

- Clinical Activity: 323
- Research Activity: 8
SPECIAL AWARDS 2021

Elected Members of the American Academy of Arts and Sciences
Graeme Bell, PhD
Olufumilayo Olopade, MD

Elected Members to the American Association for the Advancement of Science
Marina Aingle, MD, PhD
Yoori Glad, PhD

Elected Members of the Association of American Physicians
Marina Aingle, MD, PhD
Michael A. Becker, MD
Antonio Bianco, MD, PhD
Eugene Chang, MD
Arlene Chapman, MD
Marshall Chin, MD
Marcus Clark, MD
Fredric Cow, MD
Thomas Gajewski, MD, PhD
Alan Laft, MD
Bane Jabri, MD, PhD
James Liao, MD
David Meltzer, MD, PhD
Gokhan Mutlu, MD
Olufumilayo Olopade, MD

Elected Members of the National Academy of Sciences
Olufumilayo Olopade, MD

Elected Members of the National Academy of Medicine
Vinnet Aroca, MD
Graeme Bell, PhD
Marshall Chin, MD
Robert Gibbons, PhD
David Meltzer, MD, PhD
Olufumilayo Olopade, MD
Monica Peek, MD
Kenneth Polonsky, MD

American College of Physicians Masters
Mark Siegler, MD

Department of Medicine Named Professorships
Vinnet Aroca, MD – Herbert T. Abelson Professor
Graeme Bell, PhD – Kivier Family Distinguished Professor
Eugene Chang, MD – Martin Boyer Professor
Jing Chen, PhD – Janet Davison Rowley Distinguished Service Professor in Cancer Research
Marshall Chin, MD – Richard Parrish Family Distinguished Service Professor in Healthcare Ethics*
Thomas Gajewski, MD, PhD – Abbvie Foundation Professor
Lucy Godley, MD, PhD – Hospira Foundation Professor in Oncology
Robert Gibbons, PhD, MD – Blum Rise Professor
Harvey Golomb, MD – Lowell T. Cogswell Professor
Robert Grossman, PhD – Frederick H. Rowson Distinguished Service Professor
Bane Jabri, MD, PhD – Sara & Harold Lincon Thompson Distinguished Service Professor*
Karen Kim, MD, PhD – Sara & Harold Lincoln Thompson Professor*
Roberto Lang, MD – A-J. Carlson Professor
James Liao, MD, PhD – Harold H. Hines, Jr. Professor
Michelle Le Beau, PhD – Arthur and Marian Edelstein Professor
David Meltzer, MD, PhD – Fanny L. Pritzker Professor
Olufumilayo Olopade, MD – Walter L. Palmer Distinguished Service Professor
Monica Peek, MD – Ellen H. Block Professor
James Liao, MD – John E. Ultmann Professor

Andrey Rzhetsky, PhD – Edna K. Papazian Professor
Christopher Shea, MD – Eugene J. Van Scott Professor
Mark Siegler, MD – Lindy Bergman Distinguished Service Professor
Keyeysama Sohaili, MD – Alan L. Lorenzo Professor
Sonali Smith, MD – Elwood V. Jensen Professor
Julian Solway, MD – Walter L. Palmer Distinguished Service Professor
Walter Stadler, MD – Fred C. Buffet Professor
Wendy Stock, MD – Arjul Seth-Nayak Professor in Leukemia
Eve Van Cauder, PhD – Frederick H. Rowson Professor

Mary Shrik, MD (2014)
David Meltzer, MD, PhD (2015)
Wendy Stock, MD (2016)
Graeme Bell, PhD (2017)
Vinnet Aroca, MD (2018)
Elbert Huang, MD (2019)
Mark Ratan, MD (2020)
Mark Siegler, MD (2021)
Sonali Smith, MD (2022)

Leif B. Sorensen, MD, PhD Faculty Research Award
Susanne Conzen, MD (2007)
Marisa Aingle, MD, PhD (2008)
Anna Sportling, MD (2008)
Bane Jabri, MD, PhD (2019)
Eric Svensson, MD, PhD (2019)
Elbert Huang, MD (2021)
Patrick Wilson, PhD (2022)
Konstantin Blinkov, MD, PhD (2013)
Lucy Godley, MD, PhD (2013)
John Schneider, MD, MPH (2014)
Yu Ying He, PhD (2015)
Eira Taiwai, MD (2016)
Monica Peek, MD (2017)
Yun Fang, PhD (2018)
Megan Hulansingh-Schweitz, MD (2019)
Neda Lauerzangangi, MD (2019)
Justin Kline, MD (2020)
Valerie Press, MD (2020)
Alexandra Dumitrescu, PhD, MD (2021)
Milada Saunders, MD (2021)
Anshiya Basu, MD (2022)
Alexander Pearson, MD, PhD (2022)

Diversity Award:
Monica Uka, MD (2010)
David Howes, MD (2011)
Blanca Camaretto-Mercado, PhD (2012)
Minoi Pineda, PhD (2013)
Monica Peek, MD, MPH (2014)
John Schneider, MD, MPH (2015)
James Woodruff, MD (2016)
Doriano Mills, MD (2017)
Milada Saunders, MD (2018)
Kamala Cotts, MD (2019)
Shelia Williams, MD (2020)
Kema Carter, MD (2021)
Sonali Paul, MD (2022)

Eric Pamer, MD
Kenneth Polonsky, MD
Samuel Refetoff, MD
Julian Solway, MD
Eve Van Cauder, PhD

*Elected/Named in FY22 /FY23
Julie Oyler, MD, is a Professor of Medicine (General Internal Medicine) and Director of the Center for Healthcare Delivery Science and Innovation, an accomplished medical educator, clinician and scholar whose work focuses on quality improvement and patient safety as well as gender equity in medicine.

Dr. Oyler earned her Bachelor of Science degree at Stanford University followed by her MD at the Pritzker School of Medicine. She is a graduate of the Department’s Internal Medicine Residency (IMR) Program where she also served as chief resident. In 2006, she was appointed to the faculty.

Dr. Oyler is a leader in medical education across the institution and is responsible for the creation and implementation of several innovative educational initiatives. For the past 16 years, she has served as associate director of the IMR Program where she is responsible for all ambulatory education and outpatient clinical experiences. In this role, she and her colleagues developed the two year Quality Assessment and Improvement Curriculum (QAI) that is based on the American Board of Internal Medicine’s Practice Improvement Modules, and has been used to teach over 500 residents two core competencies—Practice-Based Learning and Improvement (PBL) and Systems-Based Practice (SBP). In addition, as associate medical director of the Primary Care Group and along with primary care colleagues, Dr. Oyler developed multiple educational interventions. These included a novel handoff curriculum for graduating residents when transitioning their continuity clinic patients, an interprofessional education curriculum, a behavioral medicine curriculum, a boot camp curriculum for new interns, a women’s health curriculum and a telehealth curriculum during the COVID pandemic.

Dr. Oyler is a recognized leader in the field of quality improvement and patient safety (QIPS) education. She created a QIPS curricula for internal medicine residents, medical students and faculty to promote engagement in quality improvement projects and patient safety work, and has recently been expanded to include population health and cost/value topics. She is currently co-director for the Healthcare Delivery Improvement Science Track at the Pritzker School of Medicine to train medical student leaders in quality improvement and patient safety.

Dr. Oyler is an educational leader in the Center for Healthcare Delivery Science and Innovation and most recently has been leading the Certificate Program in Healthcare Delivery Science and Innovation.

Dr. Oyler’s award-winning work has resulted in many publications and presentations, including many external presentations by students and residents whom she has mentored in these methods. Given her national reputation in the field, Dr. Oyler was selected for leadership roles for three national QIPS educational initiatives. Dr. Oyler is funded by three major national organizations: American College of Physicians (ACP), Association of American Medical Colleges (AAMC) Teach for Quality and Society of Hospital Medicine (SHM) Quality and Safety Educator Academy. Through these initiatives, Dr. Oyler has educated over 500 faculty nationally in QIPS across multiple medical specialties ranging from pediatrics to anesthesia to internal medicine. In addition to her dedication to medical education, Dr. Oyler is a passionate advocate for gender equity in medicine. In 2017, she was appointed as chair of the DOM’s Women’s Committee, and has enthusiastically and successfully worked to enhance and enrich the academic environment for the Department’s women faculty and trainees. Examples of her innovative work include the establishment of 4 subcommittees focused on recognition, professional development, advocacy and communication. She has chaired multiple committees for the national Women in Medicine Summit. In Fall of 2022, Dr. Oyler will lead the 41st Annual MacLean Center Public Lecture Series entitled “Gender Equity and Ethics” which will bring together over 30 speakers to address current issues women face in academic medicine.

As a national leader, Dr. Oyler currently serves on the Teach for Quality Faculty of the American Association of Medical Colleges and the Society of Hospital Medicine, Quality and Safety Educator Academy faculty, and recently served as an ACP-Advancing Quality Improvement Coach. Dr. Oyler is past president of the Midwest Society of General Internal Medicine and was the 2019 recipient of their Leader in General Internal Medicine Award. She recently completed a 5 year term as chair of the SGIM Board of Regional Leaders. Institutionaliy, Dr. Oyler is an elected member of the Academy of Distinguished Medical Educators.

Diversity is critical to the process of discovery, patient care and education and the Department of Medicine (DOM) is committed to ensuring a culture of inclusiveness and equity to the under-represented in medicine (URiM) community. In FY22 the DOM made great strides to strengthen the DEI mission and infrastructure to advance these efforts with the appointments of three outstanding leaders.

Dorlanie Miller, MD, Professor of Medicine (General Internal Medicine) and Director of the Center for Community Health and Vitality for University of Chicago Medicine (UCM) was appointed as Vice Chair for DEI to lead efforts to promote diversity through the recruitment, retention, mentorship and promotion of students, housestaff and faculty underrepresented in medicine, to foster an inclusive climate free of harmful bias and to assist in the delivery of equitable health care practices for our patients and communities.

Dr. Miller received her MD from the Pritzker School of Medicine in 1983. She completed her internal medicine training and general medicine/clinical epidemiology fellowship training at UCSF. In 1991, she was appointed to the UCSF faculty where she remained for 6 years. In 1997, she joined the faculty at the University of Medicine and Dentistry of New Jersey where she served for four years. In addition, she was a program vice-president at the Robert Wood Johnson Foundation. Prior to joining the Department of Medicine in January 2019, Dr.
Diversity, Equity and Inclusion (DEI) Overview

Dr. Keme Carter

Dr. Clara Miller

Dr. Monica Peak

Dr. Aniruddha Hazra

Dr. Sonali Paul

Abdullah Pratt, MD (Emergency Medicine) - Established the Medical Careers Exposure Emergency Preparedness Program (MECESP) that focuses on empowering URM youth to become trained in recognizing and responding to life-threatening emergency scenarios while exposing them to health-related careers. He has also built community partners and a broad network to mentor at-risk youth on the Southside of Chicago with the long-term goal to encourage local high school and college students to consider careers in healthcare fields with a focus on addressing healthcare disparities.

Bryan Smith, MD (Cardiology) - Launched the Cardiology Mentorship Program that introduces high school juniors and seniors to a variety of healthcare careers by connecting them to physicians, nurses, advanced practice providers, medical technicians, researchers, executives, engineers and other professionals through a series of workshops and activities.

Victoria Barbosa, MD (Dermatology) - Established the Hair Diseases Clinic for the treatment of hair diseases in patients of color.

In FY22 the Department of Medicine initiated or enhanced many DEI efforts. A select list follows below:

- Aniruddha Hazra, MD (Infectious Diseases & Global Health) - Expanded access to HIV and STIs testing and screening to gender minorities.
- Sonali Paul, MD (Gastroenterology, Hepatology & Nutrition) - Worked with UCM administration to promote diversity and health care equity in the LGBTIQ+ population with the addition of preferred gender identity documentation to the electronic medical record, and the addition of pronoun cards on ID badges and on profiles in virtual meetings.
The Department of Medicine has a long tradition of conducting original and rigorous biomedical and clinical research that is highly innovative and impactful. Discovery and translational investigations are critical to advancing the scientific mission. FY22 was an extraordinary year for the Department due to the success of the dedicated faculty who competed for a record high of $168.4M in external research funding and published nearly 2,000 original articles to further advance that goal. Additionally, the Department continued to strengthen its translational research mission with the appointment of Monica Peek, MD as the Associate Vice Chair for Research Faculty Development. Working with Research Vice Chairs entitled “Chicago Chronic Condition Equity Network (C2EN)” – Elbert Huang, MD +
• Center for Interdisciplinary Study of Inflammatory Intestinal Disorders (P30) – Bana Jabri, MD, PhD
• Chicago Center for Diabetes Translation Research (P30) – Marshall Chin, MD & Monica Peek, MD+
• Center for Health Aging Behaviors and Longitudinal Investigations (CHAIBLES) (P10) – David Metzler, MD, PhD
• Integrative Consequences of Intermittent Hypoxia (P01) – Nanduri Gre, MD, PhD
• Pathogenesis of Calcium Nephrolithiasis (P01) – Elaine Worcester, MD

During the past academic year, the Department of Medicine’s research portfolio totaled over $117M in federal awards, $32.7M in industry funded grants, and nearly $19M in non-federal awards. In FY22 faculty in the Department of Medicine acquired 30 new or competitively renewed federal awards totaling approximately $19.3M in annual total costs. Noteworthy high impact grants include the successful renewal of the P50 Chicago Center for Diabetes Translational Research (Marshall Chin, MD - PI) and the renewal of the T32 Integrated Clinical and Basic Endocrinology Research (Raghu Mirmira, MD, PhD - PI). Elbert Huang, MD was the recipient of a new P50 entitled “Chicago Chronic Condition Equity Network (C2EN)” - Elbert Huang, MD, PhD.

DEPARTMENT OF MEDICINE ANNUAL REPORT

Select High Impact Federal Awards*
• Medical Scientist Training Program – Marcus Clark, MD
• Host and microbial basis of human ulcerative colitis and pouchitis: Identification, role, mechanisms, and resource development of host susceptibility and pathobiont factors and pouchitis – Eugene Chang, MD
• VA Data Commons – Robert Grossman, PhD+
• ACCESS Chicago – Karen Kim, MD
• Facility and Building System Upgrades Support for the Howard T. Ricketts Biobank Effort – Karen Kim, MD+
• Cardiovascular Sciences Training Grant – James Liao, MD+
• Ending transmission of HIV, HCV, and STDs and overdose in rural communities of people who inject drugs (ETHIC) – Mark Men, MD
• Center for Identification and Study of Individuals with Atypical Diabetes Mellitus – Louis Philipp, MD, PhD
• Community network driven COVID-19 testing of vulnerable populations in the Central US – John Schneider, MD+
• COVID-19 testing and vaccination social network diffusion for diverse criminal justice involved communities – John Schneider, MD+
• JTF 2.0 Advancing Translational Science in Metropolitan Chicago (U43) – Julian Solway, MD

A list of the DOM FY22 Total Sponsored Research Awards and a list of scholarly publications by section can be found at: medicine.uchicago.edu

The Department of Medicine is committed to training the next generation of scientists in biomedical research, and is home to 12 T series, two K12 training programs and 14 K (career development) grants. In FY22, Andrew Dahl, PhD and Jenna Guthmiller, PhD received new individual NIH K awards.

The 8th annual Janet D. Rowley Research Day was held virtually on March 1, 2022 with an outstanding presentation by Kimryn Rathmell, MD, PhD, the Hugh Jackson Morgan Chair in Medicine, Physician in Chief and Professor of Biochemistry at Vanderbilt University. Best abstract winners in the faculty category were Drs. David Wu, Bhakti Patel, Ari Rosenberg and Juan Rajas. In the trainee category, best abstract winners were Drs. Abhishek Kulakarni, Sandra Naaman, Matthew Ettelson, Amina Bashra and Madeline Durkee.

Recognizing the research success of an outstanding mid-level scientist the Department selected Arishiya Baig, MD and Alexander Pearson, MD, PhD as the recipients of the 2022 Liz B. Sorenson, MD, PhD Faculty Research Award.

During the past academic year, the Department of Medicine conducted approximately 1700 clinical trials resulting in approximately $27M in earnings. In select nonfederal funding, Luis Barreiro, PhD was awarded over $1.5M in funding from the Chan Zuckerberg Foundation to build an immune cell atlas of indigenous South American populations, and Dr. Chin was awarded a large multi-million dollar grant from the Robert Wood Johnson Foundation focused on advancing health equity.

*Represents $1.0M or more in annual total cost funding
+New/competitively renewed in FY22

**A list of the DOM FY22 Total Sponsored Research Awards and a list of scholarly publications by section can be found at: medicine.uchicago.edu**
The Department of Medicine’s clinical programs are recognized for excellence across a broad spectrum of subspecialty patient care services for the treatment of highly complex diseases and are comprised of dedicated clinical innovators who are committed to advancing discoveries that transform patient care and health outcomes. Significant highlights from the past academic year include national recognition for the state-of-the-art clinical programs, increased activity across all clinical operations, improved patient access, and improved length of stay.

Six Department of Medicine specialties made the national top 50 list as part of the USNews Best Hospitals in July 2022. Gastroenterology maintained its #14 ranking from the previous year. Cardiology ranked #44, geriatrics ranked #47 from the previous year, cardiology ranked #44, geriatrics ranked #47 from the previous year, cancer rose to #14 from #21, and pulmonology ranked #48 from #50. Six Department of Medicine specialties made the national top 50 list as part of the US News Best Hospitals in July 2022. Gastroenterology maintained its #14 ranking from the previous year. Cardiology ranked #44, geriatrics ranked #47 from the previous year, cancer rose to #14 from #21, and pulmonology ranked #48 from #50.

In FY22, GI procedures number were sustained, and the Cardiac CT procedures increased by 23% this past year. The heart failure/transplant performed 57 transplants in FY22. In FY22, 456 transplants were performed with bone marrow transplants accounting for over 25% (123 total). With the FDA’s approval of CAR T-cell therapy for adult patients with certain blood cancers, UCM is the first center in the Chicago metropolitan area to have this therapy available as a standard of care. In FY21 a total of 37 CAR T-cell procedures were done, nearly doubled from the prior year. Under the leadership of Sion Pinner, MD, the Advanced Heart Failure Program (AHFP) continues to grow and thrive. Over the past year, 57 heart transplants were performed. The AHFP is recognized as the best transplant program in the country with 100% 1-year patient survival and short-term to transplant.

In adult emergency room (ER) operations, Thomas Spiegel, MD assumed the role of interim Chief for the Section of Emergency Medicine (EM). Under his leadership, and continuing service as the medical director of the Adult ER, he implemented several new programs designed to alleviate the effects of excessive boarding of admitted patients due to hospital inpatient capacity issues. One such program was to reconfigure “area 1.5” to be used as a low acuity treatment area for patients who are not likely to be admitted. Along with several hospital-wide initiatives, the ED began to see boarding hours decrease in February and subsequent months, which in turn, improved throughput, revenues and wRVU generation capabilities. In addition, the Section’s providers and learners have continued to care for a sustained COVID-19 presence in the ED as well as an increase in patients suffering from acute traumatic injuries. ED presentations in FY22 totaled 61,906, a slight decrease from the prior year while the UHSB % increase to 18.11% up from 11.5% from FY21.

Clinical Programs Overview

The Department of Medicine’s clinical programs are recognized for excellence across a broad spectrum of subspecialty patient care services for the treatment of highly complex diseases and are comprised of dedicated clinical innovators who are committed to advancing discoveries that transform patient care and health outcomes. Significant highlights from the past academic year include national recognition for the state-of-the-art clinical programs, increased activity across all clinical operations, improved patient access, and improved length of stay.

In FY22 DOM clinical faculty continued to perform at a strong level by generating over 1.3 million physician work RVUs (wRVUs), representing a significant portion of the clinical practice activity of the entire UCM and a near 5% increase over last fiscal year. On the inpatient side, admissions increased to 16,609, a slight increase over FY21.

In FY22, the Department’s onsite outpatient subspecialty practices and primary care visits totaled 206,898 (up 6.7% from FY20). The Department of Medicine has continued to expand off-site practices. The Department’s outpatient practices at the River East facility accounted for 16,638 and the outpatient practices at South Loop, and at the Ohmark Park facility recorded 2,832 and 13,802 visits respectively. The South Shore Senior Center recorded 5,950 patient visits. Subspecialty groups have focused programs at clinics in Springfield, Champaign, Arlington Heights, Joliet and Munster Indiana sites.

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Clinical Productivity Awards:

- Procedure Activity: Uzma Siddiqui, MD
- Patient Visits: Sara Hoffman, MD
- Overall Clinical Activity: Uzma Siddiqui, MD
- Outstanding Clinical Service: Izzamnin Vaziri, MD
- Clinical Service (New Faculty): Anchad Chada, MD
- Patient Satisfaction: Mindy Schwartz, MD

2022 Department of Medicine Clinical Awards
In a supportive environment focused on providing exceptional care to patients on the South Side of Chicago the Department of Medicine (DOM) is deeply committed to the education and training of skilled physician scientists and leaders bound for careers in academic medicine. Under the leadership of John McConville, MD, the Department’s educational programs continue to successfully prepare trainees for careers in clinical medicine, teaching, and biomedical research. Within the Internal Medicine Residency (IMR) program, 86% of the graduates pursue subspecialty training. The 2021 fellowship match successfully matched 34 residents into many of the most competitive and premier fellowship programs in the country, including 13 who continued their training at the University of Chicago. Hematology/Oncology was the prior two years. All of the department’s trainees continue to step up during the on-going crisis and demonstrate the selflessness, communication skills, empathy and work ethic that the South Side communities have come to expect of University of Chicago physicians. Despite significant socioeconomic barriers, UCM patient outcomes are better than national averages and are evidence of the excellent care provided by medicine interns, residents, fellows and faculty.

In FY22, Min Ari, MD and Jason Alexander, MD led the Internal Medicine Intern Selection Committee. A PGY1 class of 40 interns was successfully recruited from 317 applicants. IMH applicants from some of the most prestigious medical schools continue to be attracted to the rigorous clinical training, diverse patient population, outstanding faculty mentorship and cutting edge therapeutic interventions. 28% of the new intern class self-identified as representing medicine in UCM. Drs. Dorian Miller, Bryan Smith and the entire Diversity Committee were instrumental in recruiting such a talented and diverse class. The Physician Scientist Development Program (PSDP), which is led by Dr. Sonia Kupfer, recruited an outstanding MD/PhD student to continue their residency and fellowship training in hematology/oncology at the University of Chicago.

The Emergency Medicine Residency Program led by James Ahn, MD, MPH continues to provide outstanding clinical training, scholarship opportunities and leadership development for 18 talented emergency medicine residents each year. The incoming class of 2024 was drawn from coast to coast with over 50% from top 50 medical schools including Duke University, Stanford University, University of Washington and, the Pritzker School of Medicine. Most importantly, the Emergency Medicine Residency continued its strong tradition of recruiting URiMs with 1/3 of the incoming class comprised of URiMs. Many of the incoming interns have been accorded AOA and/or Gold Humanism Awards and all have achieved high levels of service and/or research during medical school. This is an outstanding and diverse group of individuals with a wide range of academic interests that will continue to serve our patient population by addressing healthcare disparities both in and out of the emergency department. In accordance with these values, the emergency medicine residents once again had the largest amount of representation for the GME Community Champions which engages residents in a collaborative effort with community leaders against healthcare inequities. The 2022-23 graduates from the Emergency Medicine Residency Program largely pursued academic careers as 11 out of 16 obtained competitive fellowship positions or joined faculty at peer institutions.

The Department of Medicine continues to provide excellent resident and fellowship education and training while furthering the field of academic dermatology and delivering comprehensive skin care to a diverse patient population. The Section hosted the annual Chicago Dermatological Society Educational Conference in December 2021 with a guest lecture by Stamat Haravji, MD FAAD. Clinical Associate Professor at Wayne State University. The Dermatology Residency Program, led by Ane Rosenblatt, MD, PhD received 721 applications in 2021, and had a highly successfully match of an outstanding and diverse group of candidates to each of the three available positions. The 2022 graduates accepted positions at University of Colorado, Massachusetts Dermatology Associates, and Riva Dermatology. With elevation of some COVID-19 restrictions, the Section restarted its in-person visiting student rotation as well as continued the interactive virtual elective and received 114 applications. Under the continued leadership of Angad Chudha, MD, medical students were also offered a course focused on inpatient consultation in dermatology beginning FY22. The Dermatology Fellowship led by Christopher Shea, MD attracted 76 applicants in 2021 and successfully filled both 2023-2024 positions with outstanding candidates. The 2022 graduate obtained a position at a primary and integrated health care network in Washington.

The Medicine/Pediatrics Residency Program led by Ritta Rossou-Foukies, MD and Nabil Abou Bakar, MD welcomed 4 top ranked candidates into their 4 open slots. Incoming residents who began in July 2022 consist of graduates from Emory, Georgetown, University of Chicago, and University of Cincinnati. The class includes a Fulbright Scholar and one quarter of the intern class is URiM. Among their collective interests are eliminating health care disparities among patients with Sickle Cell Disease, organ transplantation, health policy and health services research. The 2022 Medicine-Pediatrics graduating class-Pediatrics matched into highly competitive fellowships at the National Institutes of Health, University of Chicago and at Northwestern University.

Honors: The Department of Medicine’s extraordinary pool of talented educators continues to be recognized for their excellence in undergraduate and graduate medical education both institutionally and nationally. In FY22, 9 Medicine faculty were recognized as “Favorite Faculty” by the Pritzker graduating. Sonali Smith, MD was awarded the Department’s Arthur Rubenstein Mentorship Award. Within the Biological Sciences Division, Stacie Levine, MD was the recipient of the Distinguished Educator and Leader Award.

The Department of Medicine has a well-established track record of excellence in the educational training, development and mentorship of bright young trainees poised for future leadership in biomedical sciences. In this respect, senior investigators continue to provide a nurturing environment that fosters critical thinking, challenging paradigmas, and a collaborative spirit geared toward maximizing the future research potential of each trainee. The Department is home to several nationally recognized medical research training programs, including NIH-funded training (T32) grants in cardiology, adult and pediatric endocrinology, oncology, respiratory biology, digestive diseases, economics of aging and clinical therapeutics as well as a medical scientist training program. New in FY22 were T32’s awarded to Neda Lalborerong, MD to train primary care investigators in chronic diseases and health disparities, and David Meltzer, MD, PhD focused on a MD, PhD program in medicine, the social sciences and Alzheimer’s disease and related dementia. The Department also hosts two NIH K12 grants in oncology and HIV-related cardiovascular and sleep disorders and nine F series NIH awards.

The Dermatology Residency Program, led by Adele Simon and the South Side Dermatology Residency Program led by Richard Gelfand, MD, PhD continues to attract an outstanding and diverse group of candidates. The 2021-22 graduating class-Pediatrics matched into highly competitive fellowships at the National Institutes of Health, University of Chicago and at Northwestern University.

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Under the direction of Robert L. Grossman, PhD, the Section of Biomedical Data Science (BDS) provides an intellectual home for faculty whose research interests encompass: a) biomedical data science (data science and its applications to biology, medicine, and health care); b) computational biomedicine (using computational methods to understand biological mechanisms and to aid in the diagnosis and treatment of disease); and c) biomedical informatics (bioinformatics, translational informatics, and clinical/medical informatics). For convenience, we refer to this span of research simply as biomedical data science. Biomedical data science is becoming increasingly important for making discoveries in the biological sciences, for improving medical care, and for contributing to the emerging field of digital health.

In FY22, Aarti Venkat, PhD joined the Section as an assistant professor of medicine and as Director of Clinical Informatics: Center for Translational Data Science. Dr. Venkat received her PhD in human genetics at the University of Chicago and recently served as Associate Director of Bioinformatics at Tempus. Her research is focused on understanding the genetic basis of diseases. She is particularly interested in identifying genomic loci that can be used to forecast disease and to aid in the diagnosis and treatment of disease; and c) biomedical informatics (bioinformatics, translational informatics, and clinical/medical informatics). For convenience, we refer to this span of research simply as biomedical data science. Biomedical data science is becoming increasingly important for making discoveries in the biological sciences, for improving medical care, and for contributing to the emerging field of digital health.

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The Interventional Cardiology Program (IC), led by Atman Shah, MD and Sandeep Nathan, MD, has grown substantially this year, with a 16% increase in inpatient surgical volume. The Optional Ventricular and Vascular Endovascular (OIVE) and Lung-Heart Transplant Program (LHTP), led by Dr. Shin, has experienced a 35% increase in inpatient cases.

The Electrophysiology Program (EP) launched multiple new clinical programs, including a collaboration with cardiology surgery to offer a novel use of extended pericardial纪 cardiac rhythm ablation (ECRA) procedure for epicardial mapping and resection of scar-related ventricular tachycardia (VT). They were the first to utilize this approach in treating patients with life-threatening cardiac arrhythmias. In collaboration with vascular surgery, the EP program was the first in Chicago to offer barostimulation for the treatment of advanced heart failure. In addition, the EP group continues to be the only center in Chicago to offer device-based therapies for treating moderate-to-severe central sleep apnea in adult patients. Moreover, they are the leading center for multicenter US study of cardiac neuro-activation (CNA) for the treatment of vasovagal syncope (VVS). This novel approach to treating VVS was presented at the recent Heart Rhythm Society national meeting as a late-breaker.

Under the leadership of Sean Finney, MD, the Advanced Heart Failure Program (AHF) has continued to maintain a high number of heart transplant cases for FY22. In addition, the heart transplant program has the best overall survival, shortest time to transplant, and the highest percentage of minorities transplanted establishing UCM as one of the best heart transplant programs in the country. The high volume of heart transplants is due, in part, to referrals from North Shore Hospital (led by Nitasha Saraswat, MD) and outpatient clinics at Ingalls, northwest Indiana, and Springfield, IL. (led by Ben Chung, MD). The HF initiatives included the comprehensive heart failure disease management program, dynsys clinic (Gara Kalantar, MD), and the hypertrophic cardiomyopathy program (Geerly Kim, MD). Furthermore, there is an expansion of the remote pulmonary pressure monitoring system (CardioMEMS) under Dr. Chung, and the establishment of the infiltrative cardiomyopathy program with NorthShore Hospital under Dr. Sarawat’s leadership.

The Cardiac Imaging group led by Roberto Lang, MD continues to demonstrate strong research and clinical productivity with a 5% increase compared to last year. Dr. Lang and Federico M. Aseh are the principal investigators of the World Alliance of Echocardiography Study (WAES). The WAES acquires worldwide 2D and 3D echocardiograms from both genders and across a wide range of ages that are analyzed in collaboration with the Multiple Star Health Research Institute and the University of Chicago. The WAES will generate demographic data on the average cardiac chamber quantification values that will benefit echocardiography worldwide.

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The Section of Dermatology had a successful clinical and academic year with a continued dedication to our tri-partite mission of teaching, research and patient centered care under the leadership of Diana Bolotin, MD, PhD. Major accomplishments in FY22 included continued work on growth of Dermatology clinical services with faculty recruitment, new clinical program development, expansion of both onsite and off-site clinical operations, investment and recruitment of clinical trials and success in retaining research funding. Section faculty continue to be recognized locally and nationally with Drs. Victoria Barbosa, Diana Bolotin, Arlene Ruiz de Luzuriaga and Christopher Shea earning “top doctor” accolades by Chicago magazine and Castle Connolly.

In FY22 the Section welcomed, Amy Xu, MD, associate professor of medicine and two clinical associates, Emily Lund, MD and Caroline Robinson, MD. Dr. Xu is a general dermatologist with specific clinical interests in psoriasis and expertise in the care of patients with HIV. Dr. Xu performs general dermatologic and laser procedures and is working to establish a new blistering diseases clinical program which will allow for interdisciplinary collaboration with colleagues in gastroenterology, ophthalmology and rheumatology who also care for these patients. Dr. Lund, having completed a sub-specialty fellowship in pediatric dermatology after her dermatology residency focuses her work on providing care for general adult and pediatric dermatology at our off-site practices in South Loop and River East. Dr. Robinson practices general dermatology at the Section’s off-site practice in Orland Park.

As one of the top academic programs in the nation, focused on understanding, diagnosing, and treating the skin and its diseases, the Section continues to push the boundaries of clinical practice with new initiatives and a renewed focus on advanced patient care. The Section now has established specialty clinics focusing on auto-immune skin diseases (AISSD), high risk non-melanoma skin cancer, pigmented lesions/melanoma services, pediatric dermatology, hair diseases, supportive oncodymatology and complex dermatology and now blistering diseases with the addition of Dr. Yu. Expansion of clinical operations to off-site practices in Orland Park, Tinley Park, Edwards, the South Loop and River East have broadened dermatology’s reach in the Chicagoland area. In FY22, the Section was able to maintain clinical growth as the Section’s investigative basic science program continues to cultivate a national reputation as a leader in training the next generation of dermatologists and dermatopathologists. The Dermatology residency program, under the direction of Adena Rosenblatt, MD, PhD remains a sought-after dermatology training program, having completed a successful match cycle this year with 662 highly competitive applicants in 2022, seeking one of four slots in 2023. The Dermatopathology Fellowship Program, led by Christopher Shea, MD also continues to remain strong by providing an excellent training experience to an elite group of dermatologists and pathologists with 76 applicants for two slots entering in July 2023. The Section’s Diversity Committee, under the direction of Victoria Barbosa, MD is working closely with program directors to integrate the new DEI plan into recruitment efforts and educational curriculum for the Section.

Dr. Diana Bolotin

Dr. Amy Xu

Dr. Emily Lund

A C C O M P L I S H M E N T S  a n d HighlightS:

- Victoria Barbosa, MD, MPH, MBA - Appointed as career advisor and co-head of the U.S. Society of Pritzker School of Medicine; Elected Vice President of Illinois Dermatological Society
- Diana Bolotin, MD, PhD - Elected to the Surgical Steering Committee of the Association of Professors in Dermatology (APD); Chair American College of Mohs Surgery (ACMS), Pathology Excellence Program Question of the Week Committee; Chair of AASDS Cutaneous Adverse Procedure Events Registry (CAPER) Task Force; Elected board member, Illinois Dermatologic Society (ID); Appointed Board member and president elect of the Association of Academic Cosmetic Dermatologists (AACD)
- Anged Chadha, MD - Appointed as FISON Clerkship Director for Dermatology (2021); Recipient of the Department of Medicine 2022 Overall Excellence in Clinical Service (new faculty) Award
- Yu-Ying Hu, PhD - Appointed Associate Director for Shared Resources, University of Chicago Comprehensive Cancer Center
- Mark Hoffman, MD - Invited speaker Practice Pearls: Essential Information on Dermatology 5th Annual IBD-U Advanced Practice Provider IBD Immersion (2021); Recipient of the Department of Medicine 2022 Overall Excellence in Clinical Service (patient visits) Award
- Adena Rosenblatt, MD, PhD - Selected as Faculty Director for Good Skin Knowledge Program as part of South Side Science Scholars Program (S4) Educational and Mentorship Program
- Arlene Ruiz de Luzuriaga, MD, MPH, MBA - Virtual Magic Wand Program - Scholar (2021)
- Sarah Stain, MD - Invited speaker Pediatrics Grand Rounds Speaker, “Skin of color in pediatrics” Advocate Children’s Hospital, Chicago, IL (9/2020)
In January, 2022 Thomas Spiegel, MD, associate professor of medicine, assumed the role of Interim Chief for the Section of Emergency Medicine (EM), replacing Christsine Babcock, MD as she transitioned to the role of Associate Dean of Medical Education and DIO for the Office of Graduate Medical Education and the Pritzker School of Medicine. Dr. Spiegel joined the Department of Medicine faculty in 2014 to serve as medical director of the Emergency Department (ED). In October 2021, he was appointed as Associate Section Chief for Clinical Operations where he has been responsible for the overall clinical performance and operations of the ED, including patient flow, medical care, and operational efficiency. Under Dr. Spiegel’s leadership, and continuing service as the medical director of the Adult ED, he implemented several new programs designed to ameliorate the effects of excessive boarding of admitted patients due to hospital inpatient capacity issues. One such program was to reconfigure “area 1.5” to be used as a low acuity treatment area for patients who are not likely to be admitted. This allowed the emergency physicians to continue treating a subset of patients, even when faced with significant boarding of admitted patients. Along with several hospital-wide initiatives, the ED began to see boarding hours decrease in February and subsequent months, which in turn, improved throughput, revenues and wRVU generation capabilities. In addition, the section’s providers have continued to care for a sustained COVID-19 presence in the ED as well as an increase in patients suffering from acute traumatic injuries. As ED presentations have remained at relatively high daily numbers (average ~210 per day), the providers have worked tirelessly to provide efficient and appropriate care and oversight of the patients and have done their best to reduce “boarded and “left without being seen” (LWBS) numbers, while the hospital continues to experience capacity challenges.

In FY22, EM welcomed three faculty to the Section of Emergency Medicine. Professor Christopher Harris, MD, Isabel Malone, MD, and Ameera Haamid, MD. Dr. Harris serves as the assistant director of EM with responsibilities for the EM Residency Program. His scholarly efforts focus on finding innovative ways to care for the most vulnerable members of the community, including telemedicine for prehospital emergencies, education and training community partners in social determinants of health, and healthcare disparities in Emergency Medicine.

In FY22, Kimberly Sladonf, MD has continued her work in social medicine focused on identifying patients who present in the ED and are found to be positive for HIV and/or syphilis, often notifying them of their diagnosis for the first time and starting them on treatment, therapies and community support to improve their health outcomes. This program is supported by a multi-disciplinary team consisting of physicians, nurses, pharmacists, social workers, mental health care managers, and community health workers. Led by David Beiser, MD, the Emergency Clinical Trials Unit (ETU) continues to grow and facilitate a number of emergency clinical trials at the institution by bringing together expertise and infrastructure that enables the highest quality emergency clinical research related to cardiac arrest, brain and spinal cord injury, opioid addiction and COVID-19. In FY22, the ETU completed multiple clinical trials, funded both by the NIH and the pharmaceutical and device industry, and has been able to hire a significant clinical research staff to support these efforts. EMS Medical Director, Katia Tatari, MD, has continued to expand the role EMS plays for the City of Chicago, having received several contracts through the CDPM to work with City stakeholders (CFD and Paramedics) on novel ways to approach prehospital emergencies, including telemedicine for mental health emergencies, serving as a clinical advisor to the City’s policy makers for prehospital medicine, and continuing with her PACT program to improve airway integrity in the prehospital setting. Tareesa Hogan, MD continues to work on her project to maximize adaption of nerve blocks in the emergency room for patients who present with hip fractures to decrease opioid use and decrease risk of death. This work is funded by the Mayday Foundation.

In basic research, Nandini Prabakhar, PhD continued his investigative efforts as part of his NIH-funded project to examine the mechanisms and consequences of the overactive sympathetic nervous system caused by chronic intermittent hypoxia and by sleep apnea. Alfredo Garcia, PhD and William Sharp, MD, PhD have also continued their investigative efforts focused on the neurocognitive consequences of intermittent hypoxia, and pharmacological-induced hypothermia as a novel therapy for improving survival following cardiac arrest.

As one of the oldest emergency medicine training programs in the country, the Emergency Medicine Residency Program, led by James Ahn, MD, continues to attract outstanding trainees and continued its strong tradition of recruiting underrepresented minorities in medicine with 33% of the incoming class being comprised of URiMs. This past year, the section received approval to increase the residency class to 18 residents per year, from 16 in prior years. The residency program also added four associate program directors: Navneet Cheema, MD and Adriana Onisto, MD, Paul Kukulski, MD and Isabel Malone, MD. At the post-graduate level, the Section of Emergency Medicine now offers two clinical scholar/fellowship training programs including advanced training in Medical Education and Medical Administration. The Section also began two GME fellowship programs in 2022 – EM ultrasound and Global Emergency Medicine Fellowship. These two GME programs join our already-existing Emergency Medical Services fellowship program. The Global EM Fellowship will recruit for its inaugural fellow for the 2022-23 academic year. The Medical Student Clerkship Program, led by Keme Carter, MD, and newly-added Alejandro Palma, MD, continues to provide excellent training for the Pritzker School of Medicine and is consistently ranked as one of the top rotations by students.

In DEI efforts, Abdullah Pratt, MD, has built community partners and a broad network to mentor at-risk youth on the Southside of Chicago with the long term goal to encourage local high school and collegiate students to consider careers in health care fields with a focus on addressing health care disparities. The foundation of his work focuses on providing educational programming, and community outreach opportunities to underrepresented minority students. These programs have the added benefit of exposing current Pritzker School of Medicine students and University of Chicago housestaff to community outreach, engagement, and mentorship. With the addition to the faculty of Drs. Harris, Cargo and Malone and Haamid, the faculty has a significant core of URM faculty members to assist in this important work and provide a large body of academic work on the subject.

In FY22, EM welcomed three faculty to the Section of Emergency Medicine.
In FY22 the Section welcomed Rajesh Jain, MD, as an annual under the leadership of Raghu Mirmira, MD, PhD, and Graeme Bell, PhD. T32 focused on integrated clinical and basic endocrinology research was renewed for the 47th their annual Best Hospitals by Specialty rankings. In the educational realm, the Section’s NIH concerning thyroid hormone action and genetic causes of thyroid dysfunction. Within the research in thyroid disease. The members of the Thyroid Study Group, including Dr. Bianco, the study of thyroid hormone metabolism and its role in intracellular action, as the director and unparalleled patient care and educational programs. One of the Section’s most notable accomplishments in FY22 includes the appointment of Antonio Bianco, MD, PhD, a leader in the study of thyroid hormone metabolism and its role in intracellular action, as the director of the Thyroid Study Unit. Dr. Bianco currently serves as PI on two NIH RO1s to support his research in thyroid disease. The members of the Thyroid Study Group, including Dr. Bianco, Sam Reifeloff, MD, and Alexandra Dumitrescu, MD, PhD, continue to make seminal discoveries concerning thyroid hormone action and genetic causes of thyroid dysfunction. Within the clinical programs, US News and World Report (July 2022) ranked endocrinology at #17 in their annual Best Hospitals by Specialty rankings. In the educational realm, the Section’s NIH T32 focused on integrated clinical and basic endocrinology research was renewed for the 47th year under the leadership of Raghuram Mirmira, MD, PhD, and Graeme Bell, PhD.

In FY22 the Section welcomed Rajesh Jain, MD, assistant professor of medicine, to the faculty. Dr. Jain is an expert on metabolic bone disease and osteoporosis. In particular, he focuses on racial and ethnic differences in metabolic bone disease, such as examining differences in the ability of osteoporosis screening tools and fracture risk factors in Black and Hispanic patients. Dr. Jain also serves as the director of the Endocrinology Fellowship Program.

Within the clinical programs, Gaetle Thomas, MD, developed the EquitID initiative to improve the care of low-resource minority patients with Type 2 diabetes. Her interventions use continuous glucose monitors and patient navigators to reduce admissions for diabetic ketoadicosis and her findings will significantly improve the care of patients with Type 1 diabetes. Silvana Pannain, MD, was named Obesity Medicine Director for the Center for Weight and Metabolic Health at the University of Chicago. In FY22 Drs. George Balsamis, Ronald N. Cohen, David Ehrmann, Raghuram Mirmira, Louis Philipson, David H. Sarni, and Tamara Vokes received Top Doctor recognition by Chicago magazine (January 2023). Drs. Vokes and Deplewski were recognized as Exceptional Women in Medicine by Chicago magazine in April 2022. Amy Hess-Fischl, one of the Section’s clinical diabetes educators, was the recipient of the American Diabetes Association 2022 Outstanding Educator in Diabetes Award. This award recognizes the distinguished health professional who has made outstanding educational efforts in the field of diabetes.

The Section’s internationally recognized investigators continue to make important scientific contributions that lead to a better understanding of diabetes, thyroid disease, sleep and polycystic ovary disease. In FY22 the Section’s research portfolio totaled nearly $9.4M. The Kavli Diabetes Center (Louis Philipson, MD, PhD – Director) continues its outstanding work, and is globally renowned for scientific discoveries to enhance the health and lives of patients with diabetes. Raghuram Mirmira, MD, PhD, Louis Philipson, MD, PhD, Graeme Bell, PhD, and Matthew Brady, PhD continue to lead successful research programs focused on the diabetes research, including Type 1 diabetes as well as monogenic and other rare forms of diabetes. In FY22, Sarah Tersey, PhD, was awarded a grant from Veralox to study 12-Lipoxygenase inhibition in models of diabetes. New in FY23 are awards to Drs. Mirmira and Rochelle Naylor, MD, to assess how small extracellular vesicles derived from insulin-producing beta cells mediate communication with surrounding cells, and influence pancreatic autophagy and the development of Type 1 diabetes and to develop a novel patient-centered decision support tool to treat genetic forms of diabetes, respectively.

One of the unique aspects of the Section is the fully integrated nature of the Adult and Pediatric training programs where adult and pediatric trainees provide care to patients in a combined clinic, and share didactic teaching sessions and conferences. The Committee on Molecular Metabolism and Nutrition (Matthew Brady, PhD, Chair) successfully graduated another doctoral student in FY22. Dr. Naylor was awarded the F. Howell Wright Award for Educational Excellence from the Department of Pediatrics.

ACCOMPLISHMENTS AND HIGHLIGHTS:

- Kenneth Polonsky, MD - Named as Senior Advisor to the President, University of Chicago
- George Bakris, MD - Recipient of a Lifetime Service Award, NKF of Illinois
- Matthew Ettelson, MD - 2022 Department of Medicine Research Day Best Trainee Poster in the Health Services Research category
- Antonio Bianco, MD, PhD - Published the book entitled “Rethinking Hypothyroidism. Why treatment must change and what patients can do.” (University of Chicago Press, 2022.)
Under the direction of David T. Rubin, MD, the Section of Gastroenterology, Hepatology and Nutrition (GI) continued to enjoy success across all missions. Highlights from the past year include national recognition as #14 in the nation by US News & World Report (July 2022), and institutional recognition for two faculty as distinguished service professors or named professorships. Bana Jabri, MD, PhD, a world expert in the study of celiac disease and mucosal immunology, was named the Sara and Harold Lincoln Thompson Professor of Medicine and Nutrition. Karen Kim, MD, was named the Sara and Harold Lincoln Thompson Professor of Medicine for her work to ensure equal access and delivery of health care to underserved populations including Asian Americans.

In FY22, two new faculty were welcomed to the Section, Mary Rinella, MD, professor of medicine, is a transplant hepatologist and expert in the area of non-alcoholic fatty liver disease (NAFLD)/nonalcoholic steatohepatitis (NASH) both before and after liver transplantation. She is currently directing the Metabolic and Fatty Liver Program. Dennis Chen, MD, assistant professor of medicine, specializes in interventional endoscopy and is active in researching endoscopic innovations and devices to improve patient care with the Center for Endoscopic Research and Therapeutics (CERT).

In FY22, the Section continued to grow its clinical programs both on campus and at satellite locations. Several GI providers began performing endoscopy at the UCM River East location and will continue to grow procedure volumes at other satellite locations. The Liver Transplant Program (Michael Chartran, MD - Co-Director of Transplant, Helen Tu, MD - Medical Director of Liver Transplant continued to expand by adding new clinic sites in Peoria and Bloomington. With the addition of Dr. Rinella to the faculty, the Center for Liver Diseases and Transplant Institute continued growth of the non-alcoholic fatty liver disease (NAFLD) clinic and expanded clinical and translational research in this area. Under the leadership of Uzma Siddiqui, MD the CERT team has been rebuilt with the recruitment of Dr. Chen. Furthermore, a new state of the art interventional GI room was built to allow the CERT Team to continue to perform the most complex interventional cases.

The Inflammatory Bowel Disease Center (Russell Cohen, MD – Director) continues its expansion to multiple satellite locations. The program now includes a gastro-psychologist (Alyse Bedell, PhD), a new fluoroscopy suite, a new state of the art interventional GI room with the recruitment of Dr. Chen. Further, a 2nd genetic counselor will start providing genetic consultations at the satellite locations with additional faculty support (Nina Gupta, MD).

In FY22, the Section research portfolio totaled over $31.2M and included a new NIH R01 to Valerie Abadie, PhD to study B cell - T cell crosstalk in celiac disease. Dr. Kim was awarded a multi-million dollar NIH R35 to support the upgrades for the Howard T. Ricketts Biostandment Laboratory and received funding from the Illinois Department of Public Health and Guardant in support of colorectal cancer and prostate cancer screening and outreach. Joel Pekow, MD received an award from the Crohns & Coils Foundation to study the role of host and microbial tryptophan metabolism on sleep and fatigue in patients with ulcerative colitis. Eugene Chang, MD and Dr. Jabri continued their successful research programs focused on the gut microbiome and inflammation intestinal disorders, respectively.

The FY22 the GI Fellowship Program, under the leadership by Andrew Aronsohn, MD, includes 12 categorical fellows, four of which are part of the Department’s Physician Scientist Development Program (PSDP). This Section will have two transplant hepatology fellows in FY23 reflecting the successful growth of the program under the leadership of Anjana Pillai, MD. The Section has developed a community engagement project co-led by Ed McDonnell, MD and Sonali Paul, MD that currently focuses on cooking and nutrition education. This will expand to include other programs on the Southside and throughout Chicago.

**Inclusion, Impact, and Inclusion**

**SECTION OF GASTROENTEROLOGY, HEPATOLOGY AND NUTRITION**

Dr. David T. Rubin

**ACCOMPLISHMENTS AND HIGHLIGHTS:**

- **David T. Rubin, MD** - Recipient of the BSD Michael Reese Lectureship Award
- **Dr. Russell Cohen, Ira Hanan, David T. Rubin, Carol Sorensen, Helen Te, Mary Rinella** - Named as Top Doctors by Chicago magazine (2022)
- **Sonia Kupfer, MD** - Appointed as Director, Physician Scientist Development Program
- **Ira Hanan, MD** - Recipient of the 2022 Biological Sciences Division Gold Medal Award
- **Sonali Paul, MD** - Recipient of the 2022 Department of Medicine Diversity Award

**PROFESSORS:**
- David T. Rubin, MD (Chief)
- Russell Cohen, Ira Hanan, David T. Rubin, Carol Sorensen, Helen Te, Mary Rinella

**ASSISTANT PROFESSORS:**
- Temple Bliss, MD
- Tenzin Chodan, MD
- Cambria Liu, PhD, MD
- Edwin McDonald III, MD
- Sonali Paul, MD

**ASSOCIATE PROFESSORS:**
- Virginia Anselmo, PhD
- Michael Reese Lectureship Award

**CLINICAL ASSOCIATES:**
- Nina Gupta, MD

**SECTION ADMINISTRATOR:**
- Nina Mitchell

*Research Quad Faculty

*New FY23 Faculty
Under the leadership of Deborah Burnet, MD, MAPP, the Section of General Internal Medicine (GIM) comprises highly talented faculty dedicated to providing exceptional clinical care, teaching and leading educational programs, and conducting innovative, real-world research and advocacy addressing pressing health disparities. The Section is home to several outstanding multidisciplinary academic centers and programs including The Chicago Center for Diabetes Translation Research (joint with Northwestern), the Center for Chronic Disease Research and Policy, the Center for Community Health and Vitality, and the new Chicago Chronic Condition Equity Network.

Major accomplishments in FY22 included the development of GIM’s research fellows under the leadership of Marshall Chin, MD, MPH, and the launch of the Chicago Chronic Condition Equity Network (C3EN) under leadership of Elbert Huang, MD, MPH (joint project with Rush). Within the clinical programs, Min Ai, MD and George Weyer, MD expanded their successful Opioid Use Disorder Consult Service, providing 867 consultations to patients, the majority of whom are lower-income African Americans. With George Weyer, MD, Executive Medical Director for Accountable Care, and Raj Krishnamurthy, MD, Chief Clinical Transformation Officer, the POG prioritized quality measures and addressed health disparities, incorporating Community Health Workers, pharmacists and other practitioners into the practice. Through multi-disciplinary team work, GIM was able to significantly improve care, meeting or exceeding targets for breast, cervical and colon cancer screening and diabetes control. To further improve hypertension control, the POG recently launched a remote BP monitoring initiative in which patients are given a device which measures BP and automatically integrates readings into their EPIC chart. As medical director, Lina Khamis, MD, MBA successfully integrated five new primary care practitioners into the practice. Through multi-disciplinary leadership roles, Vineet Arora, MD, MAPP, began serving as Dean of the Pritzker School of Medicine and launched an ambitious review and update of the entire four-year medical school curriculum. With receipt of a T32 training grant, Dr. Lai-teenapong has recently developed the Primary Care Investigators Training in Chronic Disease & Health Disparities (PITCH) Fellowship for primary care research training, with partners from Geriatrics and ID (HV focus).

ACCOMPLISHMENTS AND HIGHLIGHTS:

• Jason Alexander, MD — 2021 Clinical Teacher of the Year Award, 2021 Scholar, Center for Healthcare Delivery Science and Innovation

• Ambiya Baig, MD, MPH — 2021 Midwest Society of General Internal Medicine President

• Marshall Chin, MD, MPH — Named the Richard Panfilio Family Distinguished Service Professor; Appointed to the National Academy of Medicine Council; Appointed to the NIDDK Health Disparities and Health Equity Working Group of Council 2021

• Adam Cifu, MD — 2021 Clinical Teacher of the Year Award

• Kamala Cotts, MD — Academy of Distilled Medical Educators, AOA Faculty Honoree, Third Year Internal Medicine Resident Teaching Award

• Raj Krishnamurthy, MD — Clark’s 2022 Notable Executives of Color in Healthcare

• Neda Lalateenapong, MD, MSCP — John D. Arnold, MD Mentor Award, Pritzker School of Medicine

• Wei Wei Lee, MD — Associate Editor, Journal of General Internal Medicine, Deputy Editor for JGIM 2021 Medical Education Issue; 2021 SGIM National Scholarship in Med Ed Award

• Doriana Miller, MD — 2022 UChicago Distinguished Leadership Award; Appointed Vice Chair for Diversity, Equity and Inclusion, and ITM Director for Health Equity

• Julie Oyler, MD — 2021 NIH Prize for Enhancing Faculty Gender Diversity in Biomedical and Behavioral Sciences; 2021 ACP Certificate of Appreciation for Efforts to Promote Gender Equality in Medicine and Support Career Advancement of Women in Medicine

• Monica Peck, MD, MPH — 2022 BSD Distinguished Leader in Diversity and Inclusion; named the Ellen H. Block Professor of Health Justice, and as Associate Vice Chair for Research Faculty Development

• Amber Pincavage, MD — 2021 Distinguished Pediatrician for Excellence in Medical Education

• Elbert Huang, MD, MPH — 2022 Distinguished Professor of Health Equity

• Susan Parillo, MD — Appointed as Chief Medical Information Officer for Digital Health Transformation

• Mark Siegler, MD — Inaugural SGIM22 Excellence in Medical Ethics Award

• Sachin Shah, MD — Appointed as Chief Medical Information Officer for Digital Health Transformation

• Scott Stem, MD — Appointed as Curriculum Editor for NEJM Hauler

• Elizabeth Tang, MD, MS — 2021 Midwest SGIM Advocates and Allies of General Internal Medicine Regional Meeting; Best of ARM Leadership Award; Scholar, Center for Healthcare Delivery Science & Innovation; Fellow, Academy of Distilled Medical Educators

• James Woodruff, MD — 2021 PGADT Favorite Faculty Award
Under the leadership of Yoav Gilad, PhD, the Section of Genetic Medicine continued to demonstrate research success in the past year not only through extramural funding but through the extensive collaborations of the faculty throughout the Department, BSD and University. For example, Anindita Basu, PhD is working with Mary Hammes, MD (Nephrology) to develop a new medical device to study thrombosis in dialysis patients, and Mengjie Chen, PhD is collaborating with Chuan He, PhD (Department of Chemistry) to develop methods for analyzing MeRIP-seq data, which detects m6A-methylated RNA. There is growing interest in m6A modification, as it affects many aspects of RNA metabolism and has been linked to cancer and cardiovascular disease.

In June 2022 Ada Weinstock, PhD, assistant professor of medicine, joined the faculty. Her research aims to understand how weight loss influences immunity to heal obesity-related inflammation and leverage these findings to treat obesity-related diseases without the need for weight loss.

In FY22 the Section’s research portfolio totaled nearly $6.0M with the addition of many new awards. Luis Barreiro, PhD was successfully awarded over $1.5M in funding from the Chan Zuckerberg Foundation to build an immune cell atlas of indigenous South American populations. Along with 3 co-principal investigators, this project will generate comprehensive single-cell resolution maps of gene expression and epigenetic variation in immune cells from Indigenous South American populations, before and after immune activation to help inform future research and eventually treatment of diseases affecting Indigenous populations. Mengjie Chen, PhD was the recipient of an NIH R01 to develop new computational tools for spatial transcriptomics data. Hae Kyung Im, PhD was awarded a federal contract from the National Institute of Aging to establish the genetic architecture of genome-scale metabolic networks. Sebastian Pott, PhD and Joshua Weinstein, PhD were each awarded NIH R35’s to investigate the mechanisms and determinants of dynamic gene regulation during development and cellular differentiation and to conduct volumetric spatial-genetic imaging with DNA microscopy respectively. Andrew Dahl, PhD garnered a NIH K25 to conduct research characterizing individual- and subtype-specific risk factors and treatments in asthma.

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Dr. Ada Weinstock
Under the direction of Stacie Levine, MD the Section of Geriatrics & Palliative Medicine (GPM) is dedicated to enhancing the health of older adults and patients with serious illness through its outstanding clinical care, innovative research and excellent training programs. Major GPM highlights from FY22 include the expansion of UCM/Ingalls Hospice and Palliative Medicine. Under the direction of Mohammed Ahmed-Khan, MD (Hospice Medical Director) and Syed Quadri, MD, an inpatient palliative medicine consultation program started at Ingalls in February 2022 that provides a vital service to the Southside community to support and improve the care of patients living with advanced illnesses. Within the clinical programs, US News and World Report (July 2022) ranked Geriatrics a #47 in their annual best hospitals by specialty rankings, marking the first time in a decade ranking in top 50. Shellie Williams, MD was the recipient of the 2022 Hastings Center Cunniff-Dixon Foundation Inaugural Dr. Richard Payne award for leading the first critical care and COVID-19 response team at the University of Chicago Medical Center. In DEI and outreach efforts, Dr. Williams led many initiatives within the Section and the Southside community including the creation of Dementia Resource Champions, a train-the-trainer dementia pilot to enhance faith community leaders’ dementia awareness and resource access. Dr. Williams has also created an interactive dementia resource education toolkit, Center Our Values, to empower Black caregivers of persons living with dementia.

Research efforts by GPM faculty and staff are supported by a variety of external sources and include investigations that range from important geriatric syndromes to ethics and end of life care. New grants in FY22 include supplemental funding to Dr. Thompson from HRSA to address community engagement and medical education specific to the COVID-19 Response. Dr. Husihing-Scheetz received an NIH R01 under NIH award program grant led by Elbert Huang, MD studying the use of voice-activated technology to improve mobility and reduce health Disparities. Within the Section’s educational programs, the SHARE Network, that is funded by HRSA Geriatric Workforce Enhancement grant and led Dr. Thompson, continues to provide education at community-based organizations, primary care clinics, and nursing homes. Dr. Kostas was named as the Director of Interprofessional Education at the Pritzker School of Medicine (PSOM) where she will lead efforts to embed interprofessional education experiences for medical students throughout all 4 years of training and that encompass exposure to nursing, pharmacy, social work, nutrition, and therapy services. The Geriatrics and Palliative Medicine Fellowship Programs continue to attract high-caliber applicants.

In FY22, the Section welcomed Andrea “Justine” Landi, MD, assistant professor of medicine, to the faculty. Her academic interests are in the assessment, and management of opioid use disorder in older adults in ambulatory and post-acute care settings. Dr. Landi also provides comprehensive geriatric assessments within the nephrology transplant clinic.

The inpatient and ambulatory Oncology Palliative Medicine Program continues to grow, steadily under the direction of Monica Malec, MD. In FY22, Dr. Malec worked with the Healthcare Delivery Science and Innovation Center (to advance institutional priorities in advance care planning with multiple initiatives. This included improving access to palliative medicine through EMR-generated consult triggers, working with analytics to deeliver and implement a machine-predicted 6 month mortality risk model with BPAs to prompt clinicians to engage their at-risk patients in advance care planning discussions and addressing patient-related barriers to advance care planning by including information in My Chart. In efforts to move University of Chicago Medicine closer to the Institute for Healthcare Improvement Age-Friendly Health System designation, Dr. Glason is co-leading efforts with nursing leadership to embed delirium screening on several inpatient units.

Within the outpatient geriatrics programs, the nationally recognized Successful Aging and Frailty Evaluation (SAFE) Clinic (Katherine Thompson, MD and Megan Husihing-Scheetz, MD, MPH-Co-Director) continues to provide comprehensive geriatric assessment and frailty evaluations for vulnerable older patients as well as serve as a platform for research and teaching efforts. Geriatrics faculty Drs. Megan Husihing-Scheetz, Lauren Glason, Katherine Thompson, and Dr. Landi established a geriatric surgery and frailty-working group alongside cardiothoracic surgery, anesthesia, and other perioperative groups. Products from this collaborative include an EPIC base Frailty Flowsheet Tool and postoperative frailty order sets. Tia Kostas, MD continues to lead the Pharmacy-led Reparation Management Service at South Shore Senior Center.

PROFESSORS:
- Stacie Levine, MD (Chief)
- Megan Husihing-Scheetz, MD
- Tia Kostas, MD
- Shellie Williams, MD

ASSOCIATE PROFESSORS:
- Monica Malec, MD
- Megan Husihing-Scheetz, MD
- Lilya Kostas, MD
- Tia Kostas, MD
- Katherine Thompson, MD
- Monica Malec, MD

SECTION ADMINISTRATOR:
- Elizabeth Zavala, MD+
Under the leadership of Sonali Smith, MD, the Section of Hematology/Oncology continues to be recognized for outstanding patient care, innovative treatments, leading edge research and educational programs. US News and World Report recently ranked the cancer program as #14 on its 2022-23 Best Hospitals (July 2022) list. Other notable recognition in FY22 include: Everett Vokes, MD served as the 58th president of the American Society for Clinical Oncology, Funmi Olopade, MD was inducted into the National Academy of Sciences and Eileen Dolan, PhD was named as the Deputy Director for the University of Chicago Comprehensive Cancer Center.

In FY22 the Section welcomed five new junior faculty at the assistant professor level. Nan Chen, MD focuses her work on the treatment of patients with all forms of breast cancer and develops clinical trials focused on individualized treatment plans. Brandon Faubert, PhD investigates how metabolic adaptations support cancer cell growth and proliferation, including the role of altered metabolism during metastasis. Matam Nawaz, MD is interested in improving patient reported outcomes and survival of older adults undergoing cellular therapy. Anand Patel, MD is an expert in the treatment of myeloproliferative diseases, myelodysplastic syndromes, and leukemia, and is developing clinical trials of novel therapies to improve the standard of care for patients with myeloid malignancies. Daniel Olson, MD focuses his research on optimizing immunotherapy and developing cellular therapy for solid tumors.

Within the clinical programs, the Section of Hematology/Oncology has continued strong presence, innovative patient care, and expansion to network sites. The Section was once again recognized by USNews as one of the top cancer programs in the nation and over two dozen faculty were recognized as “Top Cancer Doctors” by Chicago magazine (January 2022). Noteworthy in FY22 was the launch of the High-Risk Lymphoma Clinic (Justin Kline, MD & Peter Riedell, MD - Co leaders) and the launch of MyeloMATCH Precision Medicine Initiative.

The Section maintains a very strong and successful program in basic, translational and clinical research. In FY22 section faculty were awarded approximately $30M in total grant funding coupled with an additional $33M in clinical trial earnings. The Cancer Metabolism Research Center, led by Jing Chen, PhD, received two NHRI R01 grants in FY22. Lucy Godley, MD, PhD was the recipient of a new U01 to study the role of inflammation in driving leukemogenesis in germline predisposition syndromes and a grant from Edward P. Evans Foundation to investigate genetics predisposition to MD Anderson Cancer, MD and Dr. Pearson were awarded a global grant integrating all of “omics” to find an algorithm to predict the efficacy of immunotherapy and create avatar of patients to run virtual clinical trials with immunotherapy. Dr. Aaron Patel, MD and Dr. Faubert each earned an award from the Cancer Research Foundation in support of their work in head and neck cancer and metabolic adaptations in lung cancer, respectively. Michael Dra-}

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Under the leadership of David Meltzer, MD, PhD, the Section of Hospital Medicine (HM) continues to be recognized for its innovative patient care, research and educational programs. Section faculty care for some of the most medically complex patients admitted to the University of Chicago Medicine (UCM). The Section of Hospital Medicine has also cared for a large proportion of hospitalized COVID-19 patients and has been instrumental in developing clinical pathways and structure to support this unprecedented need. In FY22, Marius Chivu, MD was appointed as Associate Section Chief where he continues to play a leading role in the Section’s continued clinical growth and optimization of clinical operation. As Director of Clinical Operations for HM, Dr. Chivu has overseen and managed the growth of the Section’s clinical footprint, with hospital medicine providers caring for approximately one third of hospitalized patients. Under Dr. Chivu’s and Dr. Meltzer’s leadership, over the past several years the Section has roughly tripled in size, increased the utilization and efficiency of physician and APP staffing, improved throughput, implemented the committee structure to enhance faculty engagement in all parts of the Section’s mission, and increased the quality and quantity of engagement with UCM and DOM leaders. He has also played a pivotal role in the hiring and mentoring of new clinical providers and faculty. In his new role, Dr. Chivu is assisting in implementing new clinical programs, developing emerging clinical leaders, and mentoring and supporting hospitalists. He continues to lead efforts around recruitment and retention to respond to evolving clinical needs while also assessing and advocating for needs of clinical providers.

In FY22 HM welcomed three new junior faculty to the Section. At the rank of assistant professor of medicine, Comprehensive Care Physician, Justin Porter, MD has worked on a time-motion study related to the rollout of the Hospitalist Rounder program to promote collaboration between providers and continuity of care for patients within and across hospitalizations. Khaliq Nguyen, MD is interested in inpatient triage and transition of care and oversees the triage service with the goal of improving admission processes, patient safety, efficiency, and capacity. Maylin Martinez, MD, Pathway to Independence Instructor, focuses her work on post-hospitalized patients and hospital-associated disability, the implementation of inpatient mobility programs and the use of clinical decision support to change clinician behavior with changing guidelines.

In FY22, HM faculty developed and implemented several improvements to the clinical services. Several new faculty were named as senior medical directors for throughput and efficiency to aid in the hospital’s effort to improve ease of practice and reduce length of stay: Drs. Andrew Schram, Dragana Radovanovic, Matthew Cerascal, Mithu Vartigian and, Brian Calender. The NP/FA Team in collaboration with Dr. Chivu, successfully increased NPA census from 7 to 12 patients to meet staffing needs. They also piloted a morning APP/Admit Service to close the morning admission gap and diversify the APP skillset, which launched as a standing service line June 13, 2022, with the collaboration of Dr. Nguyen, Gimer Rodriguez, MD established and provided leadership, strategic management and implementation of the Hospitalist Section Post-Discharge Clinic to decrease the hospital length of stay, decrease readmission rate, reduce adverse events, improve medication adherence, and improve patient experience. Drs. Caleb Murphy, David Pavkovich, David Hwang, Steve Jimly played a significant role in the roll-out of the “Rounder Program” in UCM, an initiative in which teams of three hospitalists share weekend coverage and otherwise follow patients over the entire course of their hospitalization. Additionally, an agreement has been finalized between the UCM, Department and Section that will support the growth and development of HM services and enhance inpatient care for the community and partners UCM serves. Under this agreement UCM and HM will strengthen an already close working relationship toward significant and lasting improvement of outcomes in all shared missions including clinical quality and efficiency, education, and research.

The Section’s research portfolio consisted of nearly $4.2 million in extramural funding in FY22. New grants received include a new NIMH R21 awarded to Robert Gibbons, PhD focused on algorithmic diagnostics for efficient prescription of treatments (ADEPT) and the renewal of Dr. Meltzer’s T32 MD, PhD Program in Medicine, the Social Sciences and Alzheimer’s Disease and Related Dementias and the Alzheimer’s Caregiver Training Program. Dr. Martinez received a CTSA KL2 Scholar award from the Institute of Translational Medicine KL2 mechanism.

Hospital Medicine faculty continue to be actively engaged in teaching and training of the next generation of physicians and physician scientists at the medical school, residency and at the post graduate level. The section established a project opportunity for Section members interested in pursuing research, clinical operations and quality improvement, and educational initiatives that are expected to lead to scholarly products, including presentations, publications, additional funding and broader dissemination. Through this opportunity and in collaboration with UCM Executive Vice President of Clinical Effectiveness, Dr. Stephen Weber, the section granted seven providers with funds to pursue their pilot proposals.

Rebecca Wilson, MD is leading a joint medical education/quality initiative project on reducing lab draws on stable hospitalized patients and has been awarded a trainee grant from the Society of Hospital Medicine for a longitudinal research project. Brian Calender, MD received a Bucksbaum Institute grant to support his spring quarter undergraduate course entitled “(Re)Drawing Graphic Medicine: Comics and the History of Medicine”. Ethan Molitch-Hou, MD created the HM Sub-Int. During its initial year, five students rotated through and participation nearly doubled in FY22 from five to nine Sub-Ints, which was the most of any internal medicine Sub-Int rotation. John Murray, MD has worked on establishing a co-management service with our orthopedic colleagues for joint replacement patients.

**ACCOMPLISHMENTS AND HIGHLIGHTS:**

- Robert Gibbons, MD - Appointed to the National Academies of Sciences, Engineering, and Medicine ad hoc committee focused on creating a more equitable, transparent, and efficient system for deceased donor organs.
- Micah Prochaska, MD - Recipient of the Society of Hospital Medicine Junior Investigator Award.
- Cheng Kao-Kao, MD - Named as Chief Clinical Informatics Innovation Office, University of Chicago Medicine.
- Greg Buhneke, MD - Promoted to Senior Deputy Editor of the Journal of Hospital Medicine and re-appointed as a Journal of Hospital Medicine Editorial Fellowship Mentor.

- Elizabeth Murphy, MD - Appointed as co-chair of the Society of General Internal Medicine Hostpitalist Commission.
- Matthew Cerascal, MD - Presented “Improving Medication Safety at Transitions to Skilled Nursing Facilities” at the Institute for Healthcare Improvement’s Improving Care in PACE Program.
- Caroline Skolnik, MD - Presented a talk titled “Change is Now: Enacting our Ethical Obligation to Integrate Sustainability in Medical Care” at the NorthWestern Bioethics Conference.
Dr. Jennifer Pisano

In FY22 IDGH welcomed Daniel Friedman, MD to compromised hosts. Dr. Pisano continues in her leadership role as medical director of the UCM Antimicrobial Stewardship Program (ASP) and continues her clinical focus in infections of immunocompromised hosts.

In FY22 IDGH welcomed Daniel Friedman, MD to the faculty as an assistant professor of medicine. Dr. Friedman’s efforts are focused on the management of infectious diseases in immunocompromised hosts, particularly those following solid organ transplant, stem cell transplant, and those with cancer. He is also interested in better identifying risk factors for fungal and mycobacterial infections after transplant and how to personalize preventative strategies. Dr. Friedman is currently serving as the director of the immunocompromised host infections service.

In FY22, the Section's research portfolio continued to expand totaling over $15M. New awards include Dr. Schneider’s NIH U01 Award evaluating COVID-19 testing and vaccination social network diffusion for diverse criminal legal communities. Dr. Ridgway was awarded a NIH R01 to support her work on the implementation and dissemination of evidence-based interventions to improve PrEP care continuums outcomes among women in community health clinics in the southern United States and Anne Hotton, PhD was awarded a NIH R21 for her work on computational approaches to understand the impact of social determinants of health on HIV care continuums. In FY22, the ID Clinical Trials group continued working with the COVID-19 Prevention Network (CoVVPN) to conduct the Moderna mRNA 1273 vaccine study and the ACTIV-2 adaptive platform treatment trial for outpatients with COVID-19 (Pisano, FG), among other trials that focus on offering investigative agents to treat infections in the immunocompromised host population.

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The Chicago Center for HIV Elimination, led by John Schneider, MD, provides care for people living with HIV, as well as screening, prevention, educa- tion and treatment for pediatric HIV patients who are transitioning to adult care and post-par- tum care for HIV-infected women and their ex- posed children. As co-medical directors of the HHBI, Drs. Schneider and Pisano, together with Jude Pagnak-Bath, MD continue to oversee the largest provider of HIV, PrEP and gender affirming hae- mato/oncology on Chicago’s South Side. With CDPH supported funding since 2011, Maria McNulty, MD leads efforts to expand HIV testing and linkage, to care (K-52C) for disproportionately affected populations in healthcare settings at UCM and at 12 other sites on the South and West Sides of Chicago. Jessica Ridgway, MD continues her work in medical informatics and the use of large elec- tronic medical record databases to understand in- fectious diseases epidemiology and to guide infec- tion prevention, specifically in improving HIV care and prevention. Dr. Pho’s HCV testing and linkage to care initiatives continues to expand in addition to her work in rural communities to implement HIV, STI and substance abuse interventions. Many of these Section members are highly active and hold leadership roles within the Third Coast Center for AIDS Research, a multi-institutional Chicago col- laborative that is part of the NIH Center for AIDS Research (CFAR).
The Section of Nephrology has a long and distinguished history related to its innovative programs for the treatment of kidney disorders. Under the direction of Arlene Chapman, MD, the Section of Nephrology continues its multidisciplinary mission of excellence in clinical care, education and scholarly activity. The Section’s exceptional clinical practice includes large programs in hereditary kidney diseases, nephrolithiasis, pharmacoepidemiology, end-stage kidney disease (ESKD), home dialysis, acute kidney injury, kidney transplantation, onco-nephrology, vascular access, renal ultrasonography, glomerular disorders, health outcomes research, and the microbiome.

In FY22, the Section of Nephrology provided outstanding inpatient care to patients with cancer, heart and liver problems. Nephrology continues to have excellent outcomes with 30-day survival and discharge-to-home rates being far superior to the national averages. Adult kidney transplants through June 2022 increased 8% compared to the twelve month period through June 2021, from 142 to 153 for living related and cadaveric combined. In addition, an impressive 123 kidney transplant biopsies were performed. Yousafer Kyose, MD supports the care of the nation’s largest combined kidney/heart transplant recipients as well as other combined solid organ transplants such as kidney/heart/liver and kidney/pancreas. Early detection of transplant rejection is being supported by the addition of alloscore testing. In FY22, the in-center dialysis units continue to care for and manage over 500 dialysis patients. This has been exceptional in the setting of repeated COVID infection waves and abrupt changes in staffing at the hospital. Increasing 8% from FY21 and 18% from FY20, this increase in treatment numbers represents the overall increase in patient acuity, ICU admissions, COVID related illness and the growth of the Trauma Center. In FY22, Samantha Gunning, MD assumed leadership of the in-center dialysis unit following the retirement of Dr. Orly Kohn. The program is thriving and maintaining its census with over 70 patients treated in this program.

In new clinical initiatives, Sambhavi Krishnamoorthy, MD and Anna Zisman, MD established a practice referral program that allows for the evaluation of potential living donors with kidney stones. Dr. Gunning created an advanced CKD clinic targeting CKD4 and earlier transplantation. Dr. Chapman launched clinical genetic testing for hereditary cystic, glomerular, tubular and nephrolithiasis genes panels with the Department of Genetics.

The Section of Nephrology is proud of its innovative bench, translational and patient oriented investigations into polycystic kidney disease, acute kidney injury, epithelial cell transport, growth, and gene expression, and the pathophysiology of kidney stone formation.

In FY22, the Section’s research funding totaled over $2.3M. Jay Koyner, MD was the recipient of a new NIH R01 utilizing machine learning for early recognition and personalized treatment of acute kidney injury, and Megali Prachasak, MD was awarded a NIH K23 to study the mechanisms of disseminated citrate and oxalate excretion in nephrolithiasis.

The Nephrology Fellowship Program (Anna Zisman, MD - Program Director) successfully recruited four outstanding fellows. In other educational programs, the Section received funding for 7 summer research fellowships from the BSCD (Biological Sciences Collegiate Division) for students to conduct 10 weeks of full-time research in Pathophysiology, Biology, and Bioenergetics of Renal Disease under the supervision of a faculty mentor. After two years of absence due to the pandemic, the TREKS program resumed with 30 students from locations throughout North America. TREKS conducts one week of on-site intense scholarly work focused on clinical aspects of kidney disease. In October 2021, the Section hosted the 4th annual University of Chicago Racial Research Retreat, focused on kidney transplantation, where leading scientists and clinicians educated about the challenges of diagnosing and managing antibody mediated rejection. Finally, in DEI related activities, Nephrology sponsored a group of Medica students to create educational pamphlets on chronic kidney disease, dialysis and transplantation for the general south side community in both English and Spanish.

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The Section of Nephrology is proud of its innovative bench, translational and patient oriented investigations into polycystic kidney disease, acute kidney injury, epithelial cell transport, growth, and gene expression, and the pathophysiology of kidney stone formation.
Under the leadership of Gökhan Mutlu, MD, the Section of Pulmonary and Critical Care Medicine continued its excellence in patient care, education, and research. In FY22, COVID-19 and its impact on clinical operations has remained a significant challenge requiring adjustment of Section's clinical coverage in MICU in response to changes in hospitalizations. Indeed, the emergence of SARS-CoV-2 Omicron variant in the fall 2021 led to substantial increases in MICU census requiring the creation of an additional MICU service as well as the establishment of nocturnal coverage. Section's faculty and fellows were instrumental in staffing these additional MICU services as they have been since the start of the pandemic in 2020. As part of Section’s response to COVID-19, Ayodeji Adegunsoye, MD established a post-COVID pulmonary MICU, the Section recruited two additional faculty members. Lucas Kimmig, MD, Associate Professor, and Jason Poston, MD, Assistant Professor, at the rank of assistant professor. Lucas Kimmig, MD, recruited two additional faculty members.

The Interventional Pulmonary Program (Septimu Murgu, MD, Kyle Hogarth, MD and Ajay Wagh, MD) maintained its leadership status in the region. Under the leadership of Renea Jablonski, MD, the Lung Transplant Program has significantly improved clinical outcomes and doubled the number of lung transplants. The Pulmonary Hypertension Program led by Remzi Bag, MD received accreditation of Pulmonary Hypertension Center of Comprehensive Care designation. Under the leadership of Mary Strek, MD, the Interstitial Lung Disease (ILD) Program, which is recognized as a Pulmonary Fibrosis Foundation Care Center continues to serve as a referral center in Chicago area. ILD program has further grown by the creation of a dedicated sarcoidosis clinic and interstitial lung abnormalities clinic. In FY22, Eria Taioli, MD was appointed as the director of the ILD program. In this new role, Dr. Taioli will oversee all aspects of the Center including clinical operations, research, and educational activities. She will work closely with Dr. Kenneth Lee (Department of Neurology) who serves as the Medical Director. Dr. Lastra will be the Director of the Sleep Fellowship Program and Associates Medical Director, and sleep experts are from the departments of Pediatrics and Surgery.

During FY22, the Section’s successful research program has grown further by additional extramural funding totaling nearly $1.5M. Julian Solway, MD received an R21 to study proteolysis targeting chimeras. Yun Fang, PhD received an R35 NIH/NIH NHLBI Emerging Investigator to develop precision medicine targeting novel endothelial mechanisms. Goekhan Mutlu, MD received funding from the Department of Defense to study the role of amino acid malnutrition in pulmonary fibrosis. Sola Olopade, MD received an R01 to study proteolysis targeting chimeras. Yun Fang, PhD received an R35 NIH/NIH NHLBI Emerging Investigator to develop precision medicine targeting novel endothelial mechanisms.

SECTION OF PULMONARY/CRITICAL CARE MEDICINE

DRIVEN BY INNOVATION,
Diverse Acumen
INNOVATION, at the rank of assistant professor. Lucas Kimmig, MD, Associate Professor, and Jason Poston, MD, Assistant Professor, at the rank of assistant professor. Lucas Kimmig, MD, recruited two additional faculty members.

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INCLUSION AND IMPACT

INNOVATION, IMPACT AND INCLUSION

SECTION OF RHEUMATOLOGY

Dr. Marcus Clark, MD

The Section of Rheumatology, led by Marcus Clark, MD, continued its tradition of clinical excellence, innovative research and outstanding clinical training focused on understanding autoimmune immunity with the goal of improving the care of those afflicted with diseases such as lupus, myositis, rheumatoid arthritis, and vasculitis. In the past year, Section faculty contributed to major and diverse advancements in the field of immunology including our understanding of human lupus, the mechanisms of transplant rejection, COVID treatments and insights into how to make better influenza vaccines.

The Section continues to build on robust and integrated programs in lupus (Drs. Kichul Ko and Kimbarky Trotter), polymyositis and interstitial lung disease (Drs. Iazsmin Ventura and James Curran) and inflammatory arthritis including an ultrasound center (Dr. Arazo Jere). Notably in FY22 is the launch of the Myositis Center to provide bottleneck care for difficult to treat myositis cases especially those complicated by interstitial lung disease. This multidisciplinary effort led by Dr. Ventura includes physicians from pulmonary medicine, dermatology, neurology and pathology. With leadership from Parekh Reid, MD, the Section continues to work closely with physicians from the Sections of Hematology/Oncology to improve on the diagnosis and treatment of the broad spectrum of autoimmune and inflammatory complications that arise from immunotherapy for cancer, immune-related adverse events (irAEs), and to develop innovative training opportunities for physicians that might treat irAEs as part of the MERITS program.

The Section’s clinical efforts are complemented by ongoing translational studies in the Gwen Knapp Center for Lupus and Immunology Research that includes the NIH-sponsored Center of Excellence focused on understanding the pathogenesis of human lupus nephritis. This collaborative group of rheumatologists, nephrologists, pathologists and medical physicists is using cutting-edge imaging and deep machine learning to unravel autoimmune responses in affected organs. In collaboration with Surgery, and funded by the NIH, the Section is using similar in vivo approaches to understand and treat renal allograft rejection.

The Section continues to be a highly productive research enterprise with over $6.1M in extramural funding and several high-impact publications in Nature, Nature Communications, JAMA and the Journal of Clinical Investigation. These and other publications have made important contributions to our understanding of lupus, new treatments for both COVID and irAEs, and the design of better vaccines. Notable awards this year include a K99 to Jenna Guthmiller, PhD to investigate the development and clonal dynamics of broadly neutralizing B cells against influenza viruses.

In FY22, the Section made important contributions to the educational programs at the University of Chicago. Notably, Marisa Alegre, MD, PhD in collaboration with Melody Swartz, PhD has established a new NIH-supported Immunoen engineering Post-doctoral Training Program which seeks to leverage the resources of the Pritzker School of Molecular Engineering to train investigators to use novel and innovative approaches to study and treat a broad range of immune-mediated diseases. The Section of Rheumatology is also home to the Medical Scientist Training Program (MSTP) that is led by Dr. Clark. It is one of the oldest NIH-supported physician scientist training programs in the United States. The MSTP continues to develop innovative initiatives to recruit and support physician scientists from all sectors of American society. It is one of the most diverse and broadly representative MSTPs in the country with 27% under-represented or disadvantaged students and approximately 50% women. The Rheumatology Fellowship Program continues to be recognized and supported by the American College of Rheumatology Fellowship Training Award.

PROFESSORS
- Marisa Alegre, MD, PhD
- Dr. Iazsmin Ventura
- Maria-Luisa Alegre, MD, PhD
- James Curran, MD
- Michael Becker, MD
- Maria-Luisa Alegre, MD, PhD
- Kichul Ko, MD
- Reem Jan, MD
- Kimberly Trotter, MD
- Leif Sorensen, MD, PhD+
- Malay Mandal, PhD*
- Pankti Reid, MD
- Antonio Baeza, MD
- James Curran, MD
- Andrea Ramirez Gomez, MD
- Ann Leu

ASSISTANT PROFESSORS
- Marisa Alegre, MD, PhD
- Reem Jan, MD
- Maria-Luisa Alegre, MD, PhD
- Pankti Reid, MD
- Kimbarky Trotter, MD
- Iazsmin Ventura, MD
- Maria-Luisa Alegre, MD, PhD

CLINICAL ASSOCIATES
- Kimbarky Trotter, MD
- Antonio Baeza, MD
- Andrea Ramirez Gomez, MD

ADMINISTRATOR
- Andrea Ramirez Gomez, MD

DEPARTMENT OF MEDICINE ANNUAL REPORT 2022

ACCOMPLISHMENTS AND HIGHLIGHTS:

- Marisa Alegre, MD, PhD: Appointed to the Editorial Board, Journal of Clinical Investigation and elected as a fellow of the American Association for the Advancement of Science.

- James Curran, MD: Received Top Doctor recognition by Chicago magazine January 2020

- Iazsmin Ventura, MD: Recipient of the 2022 Department of Medicine Outstanding Clinical Service Award
### Internal Medicine Residents

#### 2022 Chief Residents

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School Attended</th>
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<tbody>
<tr>
<td>Ankur Srivastava</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Justin Sipior</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Seth Scheiman</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Michael Lourie</td>
<td>University of Chicago</td>
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<tr>
<td>Olivia Lanser</td>
<td>University of Chicago</td>
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<tr>
<td>Thomas Hunold</td>
<td>University of Chicago</td>
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<tr>
<td>Ellis Green</td>
<td>University of Chicago</td>
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<tr>
<td>Dylan Douglas</td>
<td>University of Chicago</td>
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<tr>
<td>Michael Clarke</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Annie Carlton</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Marie Dreppen</td>
<td>University of Chicago</td>
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</table>

#### 2022 Chief Residents (cont.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ross McMillan</td>
<td>Johns Hopkins University</td>
</tr>
<tr>
<td>Kathleen West</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Michael Jacobs</td>
<td>Thomas Jefferson University</td>
</tr>
<tr>
<td>Nina Ojewole</td>
<td>Medical College of Wisconsin</td>
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</tbody>
</table>

#### Third Residents

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School Attended</th>
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</thead>
<tbody>
<tr>
<td>Annie Curbain</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>Michael Clarke</td>
<td>University of Illinois Chicago</td>
</tr>
<tr>
<td>Matthew Cochran</td>
<td>University of Texas San Antonio</td>
</tr>
<tr>
<td>Nirmal Desai</td>
<td>University of Illinois Chicago</td>
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<tr>
<td>Dylan Douglas</td>
<td>Loyola University</td>
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<tr>
<td>Bill Green</td>
<td>University of Cincinnati</td>
</tr>
<tr>
<td>Nihal Gupta</td>
<td>Case Western Reserve University</td>
</tr>
<tr>
<td>Thomas Harried</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>Sharon Aung</td>
<td>University of Virginia</td>
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<tr>
<td>Chris Kapaun</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>Nika Kovalczyk</td>
<td>University of Arkansas</td>
</tr>
<tr>
<td>Kitten Lea</td>
<td>University of Maryland</td>
</tr>
<tr>
<td>Dr. Cumber</td>
<td>University of Illinois Chicago</td>
</tr>
<tr>
<td>Mitta Lavender</td>
<td>University of Illinois Chicago</td>
</tr>
<tr>
<td>Michael Loie</td>
<td>University of Michigan</td>
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<tr>
<td>feu Ferrimon</td>
<td>University of Illinois Chicago</td>
</tr>
<tr>
<td>Alex Flax</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Maria Pronawodlo</td>
<td>Loyola University</td>
</tr>
<tr>
<td>Sashi Schubert</td>
<td>Ohio State University</td>
</tr>
<tr>
<td>Juliana da Silva</td>
<td>Loyola University</td>
</tr>
<tr>
<td>Justin Saccone</td>
<td>Rutgers New Jersey Medical School</td>
</tr>
<tr>
<td>Armit Shriniloe</td>
<td>Albert Einstein College of Medicine</td>
</tr>
<tr>
<td>Sharron Asong</td>
<td>St. Louis University</td>
</tr>
<tr>
<td>Samuel Trump</td>
<td>St. Louis University</td>
</tr>
<tr>
<td>Sam Nubis</td>
<td>St. Louis University</td>
</tr>
<tr>
<td>Arlene Zulch</td>
<td>Boston University</td>
</tr>
<tr>
<td>Shon Zollat</td>
<td>Boston University</td>
</tr>
<tr>
<td>Joji Zhao</td>
<td>Yale University</td>
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</tbody>
</table>

#### First Year Residents

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Aron Apgar</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>Chadsi Arbabian</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>Ahmad Alawi</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Chaukevandare-Amerika</td>
<td>Tulane University</td>
</tr>
<tr>
<td>Naderi Baradari</td>
<td>University of Tennessee</td>
</tr>
<tr>
<td>Erbin Belmann</td>
<td>Rosalind Franklin University &amp; Medical College of Wisconsin</td>
</tr>
<tr>
<td>Carter Christman</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Max Fuester</td>
<td>Howard University</td>
</tr>
<tr>
<td>Nicole Gross</td>
<td>Baylor University</td>
</tr>
<tr>
<td>Hannah Jochum</td>
<td>Wayne State University</td>
</tr>
<tr>
<td>Layne Heuering</td>
<td>Georgia University</td>
</tr>
<tr>
<td>Jared Lee</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Rachel Lombard</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Michael Mayer</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>Garth McNeil</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Inah Mckinley</td>
<td>Howard University</td>
</tr>
<tr>
<td>Elena Michalski</td>
<td>Temple University</td>
</tr>
<tr>
<td>Muhammad Mire</td>
<td>George Washington University</td>
</tr>
<tr>
<td>Jorgo Luchon</td>
<td>Loyola University</td>
</tr>
<tr>
<td>Ameesh Mehta</td>
<td>Loyola University</td>
</tr>
<tr>
<td>Mohan P. Mithra</td>
<td>Loyola University</td>
</tr>
<tr>
<td>Amanda Ogilvie</td>
<td>University of Cincinnati</td>
</tr>
<tr>
<td>Shahnaz Osazi</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Srinivas Panchari</td>
<td>University of Illinois</td>
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<tr>
<td>Hannah Perlson</td>
<td>University of Illinois</td>
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<tr>
<td>Christopher Postman</td>
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</tr>
<tr>
<td>Ralson Ray</td>
<td>Southern Illinois University</td>
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<tr>
<td>Novisa Shukla</td>
<td>Stanford University</td>
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<tr>
<td>Mukai Shihata</td>
<td>University of Illinois</td>
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<tr>
<td>Daryl Smith</td>
<td>Florida International University</td>
</tr>
<tr>
<td>Voran Subhashchandra</td>
<td>New York University</td>
</tr>
<tr>
<td>Hans Wuthrich</td>
<td>University of Virginia</td>
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<tr>
<td>von Eckardt</td>
<td>University of Virginia</td>
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<tr>
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<tbody>
<tr>
<td>Dominic Aguerose</td>
<td>University of Miami</td>
</tr>
<tr>
<td>Oladime Naisack</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Ambradak Boppa</td>
<td>Florida State University</td>
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<tr>
<td>Michael Balthoff</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Marcus Brown</td>
<td>Rush University</td>
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<tr>
<td>Camrona Dandridge</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Maika Dibunji</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Emanuele De Keren</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Dory Dinish</td>
<td>University of Illinois</td>
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<tr>
<td>Bravariae Enzlem</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>James E.</td>
<td>Temple University</td>
</tr>
<tr>
<td>Susan Eden</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Jeremy Klein</td>
<td>Temple University</td>
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### Physician Scientist Development Program

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Keen Rojas</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Marguerite Paterian</td>
<td>Tulane University</td>
</tr>
<tr>
<td>Daniel Pellet</td>
<td>Loyola University</td>
</tr>
<tr>
<td>Frank Wins</td>
<td>University of Chicago</td>
</tr>
<tr>
<td>Eric Pinley</td>
<td>University of Michigan</td>
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### Dermatology

#### Third Residents

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Scott Smith</td>
<td>Medical College of Wisconsin</td>
</tr>
<tr>
<td>Jake Lazareff</td>
<td>Northwestern University</td>
</tr>
<tr>
<td>Mario Estill</td>
<td>Universit de Besancon Facult de Medecine</td>
</tr>
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### Second Year Residents

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Renie Eneke</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Brielle Echoves</td>
<td>University of Oklahoma-Fairfax</td>
</tr>
<tr>
<td>Uma Theiodora</td>
<td>Saint Louis University</td>
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### Emergency Medicine Residents

#### Third Year Residents

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Darren Aguado</td>
<td>Rutgers New Jersey Medical School</td>
</tr>
<tr>
<td>Dipak Altero</td>
<td>Howard University</td>
</tr>
<tr>
<td>Morgan Batipahlo</td>
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</tr>
<tr>
<td>Benjamin Beaman</td>
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<tr>
<td>Sondra Coker</td>
<td>University of Texas</td>
</tr>
<tr>
<td>Erica Combol</td>
<td>Rutgers New Jersey Medical School</td>
</tr>
<tr>
<td>Denor Dorson</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>Timothy Erzman</td>
<td>University of California</td>
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<tr>
<td>Bernice Fokan</td>
<td>Emory University</td>
</tr>
<tr>
<td>Kari Kastrup</td>
<td>University of Washington</td>
</tr>
<tr>
<td>Monika Kartzner</td>
<td>Brown University</td>
</tr>
<tr>
<td>Michael Mcgurty</td>
<td>Brown University</td>
</tr>
<tr>
<td>Taylor Poitrowicz</td>
<td>Loyola University</td>
</tr>
<tr>
<td>Heather Boretti</td>
<td>University of Texas-Southwestern</td>
</tr>
<tr>
<td>Ernn Benoche</td>
<td>Michigan State University</td>
</tr>
<tr>
<td>Ampa Sannier</td>
<td>University of Phoenix</td>
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<tbody>
<tr>
<td>Aiko Almonier</td>
<td>Temple University</td>
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<tr>
<td>Nicole Baran</td>
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<tr>
<td>Emmanuel Cesario</td>
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<tr>
<td>Sarah Fagan</td>
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<tr>
<td>Luka Fonzik</td>
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</tr>
<tr>
<td>Alice Freeman</td>
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<tr>
<td>Christopher Hamil</td>
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<tr>
<td>Valde Heman</td>
<td>University of Illinois</td>
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<tr>
<td>Doreen Agado</td>
<td>University of Illinois</td>
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<td>Jamie Ives</td>
<td>University of Illinois</td>
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<td>Mark Kerman</td>
<td>University of Illinois</td>
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<td>Irina Kliman</td>
<td>University of Illinois</td>
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<td>Gaurav Agnihotri</td>
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<tr>
<td>Mohamed Coker</td>
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<tr>
<td>Atilio Atencio</td>
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<td>Matthew Bontaro</td>
<td>University of Illinois</td>
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<tr>
<td>Patricia Cornelius</td>
<td>University of Southern California</td>
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<tr>
<td>Sebatu Samantha</td>
<td>National University of Texas-Health Sciences</td>
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<tr>
<td>John Tapping</td>
<td>University of Illinois</td>
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<tr>
<td>Kayla Welton</td>
<td>University of Illinois</td>
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<tr>
<td>Tiffany Willett</td>
<td>Dartmouth</td>
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</tbody>
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### First Year Residents

<table>
<thead>
<tr>
<th>Name</th>
<th>Medical School Attended</th>
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<tbody>
<tr>
<td>Emmanuel Agrahto</td>
<td>University of Illinois</td>
</tr>
<tr>
<td>Matthew Barinco</td>
<td>University of Chicago</td>
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<tr>
<td>Jonathan Galahen</td>
<td>Duke University</td>
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<tr>
<td>Rashi Gadre</td>
<td>University of Texas</td>
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<tr>
<td>Nieno Hartfield</td>
<td>George Washington University</td>
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</tbody>
</table>

### D O M A I N    A N N U A L   R E P O R T  47
The Department of Medicine's Women's Committee serves as an important mechanism for networking, mentorship, professional development, awards nomination and advocacy for our female faculty. With leadership from Julie Oyler, MD, the Committee is comprised of women from multiple sections within the Department, all of whom are amazing leaders, scientists, clinicians and educators in their own right.

The DOM Women's Committee enjoyed several successes in FY22:

- Published two issues of the “Women at the Forefront” newsletter highlighting the accomplishments of women faculty/trainees and continued the book recommendation section
- Conducted a workshop on “Promotion in Academic Medicine” by Daniella Zipkin, MD, Associate Professor of Medicine at Duke University School of Medicine
- Hosted an “After Hours” Session on “Ovarian Aging and Infertility” for residents and faculty led by Amanda Adelaye, MD, Assistant Professor of Obstetrics and Gynecology at University of Chicago
- Hosted a book talk by Lucy Lester, MD, retired Professor, Department of Pediatrics (Pulmonary) at University of Chicago to discuss her recent book “Women and the Practice of Medicine”
- Provided data to the departmental leadership team on the percentage of women invited as internal and external grand round speakers. During the period from 2010-2020, grand rounds consisted of 50% internal speakers, 41% external speakers and 9% Chief Resident/Resident speakers. Of the 274 internal speakers, 59% were men and 41% were women. Of the 227 external speakers 71% were men and 29% were women
- Hosted Nancy D. Spector, MD, Professor of Pediatrics, Vice Dean for Faculty, Executive Director, Executive Leadership in Academic Medicine, Drexel University College of Medicine as the Women’s Committee’s 2022 Grand Round Speaker who spoke on “Moving the Needle: Mentorship, Sponsorship and Allyship”