DEPARTMENT OF MEDICINE
ANNUAL REPORT
2021
DEDICATION, DETERMINATION AND DISCOVERY
This past academic year the Department continued to achieve remarkable success in every aspect of our tripartite mission. Medicine investigators successfully competed for a record high of $722M in total research funding, and continued to translate basic research into clinical practice with multiple seminal discoveries, publishing over 2,000 impactful papers with dozens in high profile journals, and conducting nearly 1,700 clinical research studies. This past academic year the Department continued to achieve remarkable success in every aspect of our tripartite mission. Medicine investigators successfully competed for a record high of $722M in total research funding, and continued to translate basic research into clinical practice with multiple seminal discoveries, publishing over 2,000 impactful papers with dozens in high profile journals, and conducting nearly 1,700 clinical research studies. Our expertise was acknowledged with USNWR recognition for our clinical programs in Gastroenterology, Cancer, Diabetes/Endocrinology and Pulmonary Medicine, and NIH top 15 recognition in research funding. In the state of Illinois, our clinical sections were among the most impactful in the country, with over 2,000 publications in the last year. These achievements were complemented by continued leadership and service contributions at the local, national, and international levels.

I am pleased to present to you the 2021 Department of Medicine Annual Report entitled “Dedication, Determination and Discovery.” Since the onset of the COVID pandemic, our accomplishments as a Department have been truly remarkable. Through the dedication and determination of our faculty, trainees and staff, the Department assumed responsibility in every conceivable way to help the institution manage the influx and care of COVID patients in the emergency room, on the inpatient services, in the ICUs and in the clinic, and the challenges that resulted from the impact that the pandemic had on our tripartite mission. Every Section contributed their expertise to treating patients and advancing the research and educational programs during this pandemic. Some examples of these tremendous efforts are highlighted below:

- Key contributions to pandemic planning and implementation for the medical center, the University and the State of Illinois
- Creation of two incremental care models in the Emergency Room, and expanded ICU and inpatient services to care for the influx of COVID patients
- Development of a COVID specific Translational Clinic and a Post COVID Recovery Clinic
- Rapid implementation of telemedicine and training of faculty and trainees on the new platform
- Activation of several impactful clinical trials including remdesivir, tocilizumab, hydroxychloroquine for COVID treatment and participation in the NIH sponsored Moderna, and Janssen vaccine trials
- Highly visible COVID research on the role of vitamin D in COVID susceptibility and treatment, vaccine development, and the need for mechanical ventilation through the use of high flow nasal cannulas and helmet based ventilators
- Managed the shutdown and safe reopening of our research laboratories

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# Executive Committee:
- Chairman, Department of Medicine: Everett E. Vokes, MD
- Vice Chair of Appointments & Promotions: Steven White, MD
- Vice Chair of Clinical Operations: Matthew Somrentino, MD
- Vice Chair of Education: John McConnell, MD
- Vice Chair of Faculty Development: Deborah Burnett, MD
- Vice Chair of Research: Yoav Gilad, PhD
- Vice Chair of Research (Basic): Bana Jabri, MD, PhD
- Vice Chair of Research (Translational): Raghu Memtri, MD, PhD
- Associate Chair - Appointments & Promotions: Dorothy Hanck, PhD
- Associate Chair - Ambulatory Operations: Lisa Vinci, MD
- Associate Chair - Clinical Research: Hedy Kindler, MD
- Associate Chair - Quality: Andrew Davis, MD
- Associate Chair - Translational Research: Jing Chen, PhD

# Section Chief Council:
- Biomedical Data Science: Robert Grossman, PhD
- Cardiology: James Liao, MD
- Dermatology: Diana Boldrin, MD, PhD
- Emergency Medicine: Christine Babcock, MD (interim)
- Endocrinology, Diabetes & Metabolism: Ronald Cohen, MD
- Gastroenterology, Hepatology & Nutrition: David Rubin, MD
- General Internal Medicine: Deborah Burnett, MD
- Genetic Medicine: Yoav Gilad, PhD
- Geriatrics & Palliative Medicine: Stacie Levine, MD
- Hematology/Oncology: Sonaik Smith, MD
- Hospital Medicine: David Melzer, MD, PhD
- Infectious Diseases & Global Health: Jennifer Piazza, MD (interim)
- Nephrology: Arlene Charter, MD
- Pulmonary/Critical Care: Guhan Mutlu, MD
- Rheumatology: Marcos Clark, MD

# Committee Chairs:
- Diversity Committee: Monica Vela, MD
- Women’s Committee: Julie Oyler, MD

# Chief Residents:
- 2021 Chief Residents: Jennifer Cooperstider, MD, Stephanie Kelly, MD, Jonathan Lattell, MD, Hannah Ruth, MD
- 2022 Chief Residents: Maria Dreyer, MD, Michael Jacobs, MD, Ross McMillan, MD, Kathleen West, MD

# Senior Management:
- Budget and Finance: Sunita Goel, Jim Slish
- Clinical Revenue and Billing: Shefali Patel
- Clinical Research Support: Allison Bussanicki
- Clinical Trials Financial Group: Ashley Hoambrecker
- Human Resources (Academic): Sharon Frazier
- Human Resources (Staff): Chris Yaros
- Information Systems: Max Marchevsky
- Research Administration: Katie Pizer
- Research Strategy & Development: Michelle Wright

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**2021 ANNUAL REPORT**

**Trainees**

**Residents**

**Subspecialty Fellows**

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**BY THE NUMBERS**

<table>
<thead>
<tr>
<th>Faculty</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subspecialty Sections</td>
<td></td>
</tr>
<tr>
<td>1,252,578</td>
<td>RVU’s</td>
</tr>
<tr>
<td>193,842</td>
<td>Onsite Visits</td>
</tr>
<tr>
<td>61,968</td>
<td>Emergency Room Encounters</td>
</tr>
<tr>
<td>35,028</td>
<td>Offsite Visits</td>
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<tr>
<td>20,638</td>
<td>Telemedicine Visits</td>
</tr>
<tr>
<td>16,362</td>
<td>Admissions</td>
</tr>
</tbody>
</table>

**FY21 CLINICAL ACTIVITY**

<table>
<thead>
<tr>
<th>Transplant Cases</th>
<th>418</th>
</tr>
</thead>
<tbody>
<tr>
<td>#15 in NIH Funding (2020)</td>
<td></td>
</tr>
<tr>
<td>$125M</td>
<td>Total NIH Awards</td>
</tr>
<tr>
<td>$21.0M</td>
<td>in Clinical Trial Earnings</td>
</tr>
<tr>
<td>$171.6M</td>
<td>Total Sponsored Research Awards &amp; Clinical Trials Earnings</td>
</tr>
<tr>
<td>8</td>
<td>NIH Program Project Grants</td>
</tr>
</tbody>
</table>

**RESEARCH ACTIVITY**

| 309 | Trainees |
| 177 | Residents |
| 132 | Subspecialty Fellows |

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**NIH T32 TRAINING GRANTS**

| 2021 ANNUAL REPORT | 03 |
**Elected Fellows of the American Academy of Arts and Sciences**

Graeme Bell, PhD
Neto Guaraldi, MD

**Elected Members of the Association of American Physicians**

Maria Alegre, MD, PhD
Michael A. Becker, MD (Emeritus)
Antonio Bianco, MD, PhD
Eugene Chang, MD
Arlene Chapman, MD
Marshall Clin, MD
Marcus Clark, MD
Fredric Cox, MD
Thomas Gajewski, MD, PhD
Alan Leff, MD (Emeritus)
Harvey Golomb, MD
Lucy Godley, MD, PhD
Thomas Gajewski, MD, PhD
Elbert Huang, MD, MPH
Fredric Coe, MD
Marcus Clark, MD
Eugene Chang, MD
Michael A. Becker, MD (Emeritus)
Vineet Arora, MD
Marisa Alegre, MD, PhD

**Elected Members of the National Academy of Medicine**

Vinret Arora, MD
Graeme Bell, PhD
Robert Gibbons, PhD
David Molter, MD, PhD
Olufunmilayo Olopade, MD
Kenneth Polonsky, MD

**American College of Physicians Masters**

Mark Siegler, MD

**Department of Medicine Named Professorships**

Everett Vokes, MD - John E. Ultmann Professor
Eve Van Cauter, PhD - Frederick H. Rawson Professor
Wendy Stock, MD - Anjuli Seth Nayak Professor in Leukemia
Walter Stadler, MD - Fred C Buffett Professor
Julian Solway, MD - Walter L. Palmer Distinguished Service Professor
Sonali Smith, MD - Elwood V. Jensen Professor
Keyoumars Soltani, MD - Allan L. Lorincz Professor
Mark Siegler, MD - Lindy Bergman Distinguished Service Professor
Christopher Shea, MD - Eugene J. Van Scott Professor
Andrey Rzhetsky, PhD - Edna K. Papazian Professor
Samuel Refetoff, MD - Frederick H. Rawson Professor
Mark Ratain, MD - Leon O. Jacobson Professor
David Meltzer, MD, PhD - Farry L. Prziborowski Professor
Olufunmilayo Olopade, MD - Walter L. Palmer Distinguished Service Professor
Eric Pamer, MD - Donald F. Steiner Professor
Louis Philipson, MD, PhD - James C. Tyner Professor in Diabetes Research & Care
Kenneth Polonsky, MD - Richard T. Crane Distinguished Service Professor
Nandini Prabhakar, MD, PhD - Harold H. Hines, Jr. Professor
Mark Ratain, MD - Leon O. Jacobsen Professor
Samuel Refotof, MD, PhD - Frederick H. Rawson Professor
David Robin, MD - The Joseph B. Krones Professor of Medicine
Anand RJethnous, PhD - Edna K. Papazian Professor
Christopher Shea, MD - Eugene J. Van Scott Professor
Mark Siegler, MD - Linda Bergman Distinguished Service Professor
Naykumar Sottani, MD - Allan L. Lorincz Professor
Sonali Smith, MD - Elwood V. Jensen Professor
Julian Solway, MD - Walter L. Palmer Distinguished Service Professor
Walter Studier, MD - Fred C Buffet Professor
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Everett Vokes, MD - John E. Ultmann Professor

**Distinguished Service Awards**

Joseph B. Kinney, MD, PhD (2006)
Janet Brand, MD (2010)
Louis Fainsod, MD, PhD (2008)
Morton Arnofford, MD (2004)
Angelo Scania, MD (2010)
Koryaman Sobani, MD (2011)
Jesse E. Hal, MD (2012)
Roy E. Weeks, MD, PhD (2014)
Mark Siegler, MD (2014)
Samuel Refotof, MD (2015)
Eve Van Cauter, PhD (2016)
Roberto Lang, MD (2017)
Dorothy Harck, PhD (2017)
Linda Deaungler, MD (2018)
Michelle Le Beau, PhD (2018)
Joseph Barron, MD (2019)
Edward Samil, MD, PhD (2019)
David Pirka, MD (2020)
Emily Landon, MD (2020)
Kathleen Hurley, DO (2020)
Philip Hoffman, MD (2021)
Julian Solway, MD (2022)

**Arthur H. Rubenstein, MD Mentorship Award**

Eugene B. Chang, MD (2017)
Julian Solway, MD (2008)
Jesse Hall, MD (2009)
Roberto Lang, MD (2010)
Frederic Coe, MD (2011)
Olufunmilayo Olopade, MD (2012)
Deborah Brem, MD (2013)
Mary Stork, MD (2014)
David Molter, MD, PhD (2015)
Wendy Stock, MD (2016)
Mina Cai, MD (2017)
Vinret Arora, MD (2018)
Elharr Hauge, MD (2019)
Mark Ratain, MD (2010)
Mark Siegler, MD (2021)

**Biological Sciences Division Awards**

Keme Carter, MD (2021)
Shellie Williams, MD (2020)

**Diversity Award**

Monica Vela, MD (2010)
David Hoynes, MD (2019)
Blanca Camerino-Mercado, PhD (2012)

**Scientific Investigation Awards**

Konstantin Bitotakos, MD, PhD (2013)
Lucy Godley, MD, PhD (2013)
John Schneider, MD, MPH (2014)
Yu Ying Hs, PhD (2015)
Eira Tawal, MD (2016)
Monica Peak, MD (2017)
Yun Fang, PhD (2018)
Megan Hulisung-Scheitz, MD (2019)
Neda Luttenapang, MD (2019)
Justin Kline, MD (2020)
Valerie Press, MD (2020)
Alexandra Dumitriescu, MD, PhD (2021)
Milad Saunders, MD (2021)

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Mary Stork, MD (2014)
David Molter, MD, PhD (2015)
Wendy Stock, MD (2016)
Mina Cai, MD (2017)
Vinret Arora, MD (2018)
Elharr Hauge, MD (2019)
Mark Ratain, MD (2010)
Mark Siegler, MD (2021)

**Biological Sciences Division Awards**

- **Distinguished Investigator Award**
  - Murali Enn, PhD (Junior Award)

- **Distinguished Clinician Awards**
  - Carol Semrad, MD (Senior Award) and Lauren Glassow, MD (Junior Award)

- **Distinguished Leader in Diversity and Inclusion**
  - Christine Babcock, MD and Eileen Dolan, PhD

- **Distinguished Leader in Program Innovation**
  - Anna Zisman, MD

- **Distinguished Educator/Mentor**
  - Joanne Farnan, MD and Mark Siegler, MD

- **Distinguished Leader in Community Service and Advocacy**
  - Elizabeth Tung, MD (Junior Award) and Katherine Thompson, MD (Senior Award)

- **GoldKey Awards**
  - Halina Brader, MD and Michelle Le Beau, PhD

- **Michael Reese Award**
  - Michelle Le Beau, PhD

**Elected/Named in FY22**

Leif B. Sorensen, MD, PhD Faculty Research Award (Cont.)

- **Konstantin Bitotakos, MD, PhD (2013)**
- **Lucy Godley, MD, PhD (2013)**
- **John Schneider, MD, MPH (2014)**
- **Yu Ying Hs, PhD (2015)**
- **Eira Tawal, MD (2016)**
- **Monica Peak, MD (2017)**
- **Yun Fang, PhD (2018)**
- **Megan Hulisung-Scheitz, MD (2019)**
- **Neda Luttenapang, MD (2019)**
- **Justin Kline, MD (2020)**
- **Valerie Press, MD (2020)**
- **Alexandra Dumitriescu, MD, PhD (2021)**
- **Milad Saunders, MD (2021)**

**2021 ANNUAL REPORT**
Dr. Barbosa began her research career at the international cosmetics company L’Oréal where she built the L’Oréal Institute for Ethnic Hair and Skin Research. Her research collaboration with the L’Oréal Institute mainly focused on understanding differences in the physical and mechanical properties of hair of people of different ethnicities, looking at novel approaches to achieve chemical alteration of hair structure to change fiber characteristics and examining African American women’s experiences with hair care, hair loss and grooming behaviors. In her seven years there she rose to the level of Vice President of Research and Development where she led a team of chemists, biologists and physicists. After leaving industry, Dr. Barbosa spent a brief time on the faculty at Rush University before building a successful private practice which she ran for 8 years. Her clinical expertise has been recognized with recognition in the Chicago magazine’s list of Top Doctors six times.

Returning to academics in 2019, Dr. Barbosa joined the Section of Dermatology to resume her research and teaching activities while continuing her clinical work. Her current research focuses on health seeking behaviors of people with hair loss, with an eye towards developing programs and educational materials that address the delays in care that are commonly seen in alopecia patients, particularly in African American women. She is also researching the efficacy of online courses as a tool for the education of resident physicians in the area of diagnosing and managing alopecia in African American women.

Educating physicians and patients is a priority and passion for Dr. Barbosa. She has lectured extensively both nationally and internationally at dermatology meetings on the topics of alopecia, dermatology in skin of color and cosmetics. She has also published textbook chapters and research in these areas. She has co-edited the “Skin of Color: A Practical Guide to Dermatologic Diagnosis and Treatment” and co-authored the layperson’s book, The Reader’s Digest Guide to Skin Care. She also founded the Ethnic Hair and Skin Research Symposium Series which included four biannual international conferences that were the first to bring together researchers from academics, clinical practice and industry to present research selected through an application and peer-review process in what was then a newly recognized area of dermatology. She also chaired a Protocol Committee for the Cicatricial Alopecia Research Foundation.

Dr. Barbosa has held leadership positions in several dermatological organizations, and in other medical and educational institutions. She is currently the Secretary of the Illinois Dermatological Society and a scientific advisor to the Cicatricial Alopecia Research Foundation. She is a past president of the Chicago Dermatological Society where she served on the governing Plans and Policy Committee for ten years. She was a founding board member of the Skin of Color Society where she serves as Secretary. She previously served on the Board of Trustees of Dillard University in New Orleans for twelve years, and she also spent approximately ten years on the board of National Medical Fellowships, an organization that provides scholarships and experiences to underrepresented minority medical students. Dr. Barbosa is also a member of the American Academy of Dermatology, the National Medical Association, and the American Hair Research Society and has held committee appointments in each of these organizations. Dr. Barbosa’s contributions to the field of dermatology have been recognized by elected membership to the American Dermatological Association.

Since joining the faculty, Dr. Barbosa has continued her spirit of service and leadership. She serves on the Department of Medicine Women’s Committee and spearheaded the development of a Diversity Committee for the Section of Dermatology. She serves on Pritzker’s Admissions Committee and is now one of the committee chairs. She also serves on Pritzker’s Committee on Academic Promotions.

Dr. Barbosa holds a bachelor’s degree from Harvard University and her medical degree cum laude from the Yale University School of Medicine, where she was inducted into Alpha Omega Alpha. She also earned a Master’s Degree in public health from the Johns Hopkins School of Hygiene and Public Health and a MBA from Northwestern University Kellogg School of Management. She is a graduate of the Robert Wood Johnson Clinical Scholars Program.
Sean Pinney, MD is an internationally renowned expert in heart failure and cardiac transplantation. In July 2020 he joined the faculty as professor of medicine in the Section of Cardiology, and as co-director of the Heart & Vascular Center and director of the Advanced Heart Failure, Transplant and Mechanical Circulatory Support Program at the University of Chicago Medicine.

Dr. Pinney attended Georgetown University where he received both his undergraduate and medical degrees. He completed residency training at Boston’s Beth Israel Deaconess Medical Center and fellowships in cardiology, heart failure & transplantation at Columbia University. In 2004, he joined the faculty of the Icahn School of Medicine at Mount Sinai where he directed the Advanced Heart Failure & Cardiac Transplant Program. In 2015, he was appointed Director of Heart Failure and Transplantation for the Mount Sinai Health System until his recruitment to the Department of Medicine.

Dr. Pinney’s research interests align with his clinical work in heart failure and transplantation. He has led both NIH and industry-sponsored trials in the areas of heart failure, cardiac transplantation and mechanical circulatory support. His early work focused on the pathophysiology and treatment of cardiac allograft vasculopathy (CAV). This included a seminal paper on the use of sirolimus to prevent CAV progression (a seminal paper on the use of sirolimus to prevent CAV progression, Circulation, 2003), which ushered in a new era of molecular and cell-free DNA to detect allograft rejection and injury.

Dr. Pinney serves on the editorial boards of the Journal of the American College of Cardiology (JACC), JACC Heart Failure, the Journal of Heart & Lung Transplantation and the Journal of Cardiac Failure. He serves on the Board of Directors for the American Society of Transplantation, and is past president of the New York Cardiothoracic Transplant Consortium. Dr. Pinney has served on the New York American Heart Association Board of Directors, the Greater New York Geriatric Cardiology Consortium and the medical advisory board for the New York, Organ Donor Network.

Dr. Pinney was named to Castle Connolly’s NY Metro Area Outstanding Doctor list for 12 consecutive years and was the recipient of the 2017 Cullman Family Award for Excellence in Physician Communication. As a scholar, Dr. Pinney has published over 170 original papers, review articles and book chapters. As an educator, he has been a frequent CME course director and has been invited to lecture throughout the United States and around the world. As a mentor, Dr. Pinney has guided the career development of numerous fellows many of whom now direct their own programs. He is a past recipient of Mount Sinai’s Simon Hack Award for outstanding teaching and contributions to the cardiology training program.

Jing Chen, PhD is a visionary scientist and international leader in the area of cancer metabolism, rejoined the Department of Medicine, Section of Hematology/Oncology in August 2020. In the year since his arrival, he has been honored by President Robert Zimmer as the first Janet Davison Rowley Distinguished Service Professor in Cancer Research, and was appointed as Associate Vice Chair of Translational Research for the Department of Medicine.

Dr. Chen also serves as the inaugural director of the newly established Cancer Metabolic Research Center and director of Basic and Translational Research in the Section of Hematology/Oncology.

Dr. Chen is a leader in the signaling and cancer metabolism fields and has made major contributions to the leukemia field and to solid tumor biology resulting in a better understanding of cancer metabolism and improved clinical outcomes. He has uncovered novel insights into the links between signaling and metabolism, using innovative studies in cellular/organismal systems. This includes groundbreaking work linking the Braf and Hm1oncogenes to signaling and metabolism. His work on mutations in leukemia has helped to establish that alternative pathways and metabolic factors influence the leukemia pathogenesis and disease development, and thus provide new insights in development of novel anti-leukemia therapies. He also works to decipher mechanistic bases underlying the pathogenic links between diets and particular oncogenic mutations by exploring the pro- and anti-tumor effects of diet-derived substances on tumors with specific genetic backgrounds. Dr. Chen’s cutting edge translational investigations have the potential to translate impactful science from bench to bedside.

Jing Chen received a PhD in biochemistry from Emory University and completed postdoctoral research at Harvard Medical School. From 2004-2020 he served on the faculty in the Department of Hematology & Medical Oncology in the Winship Cancer Institute at Emory University rising to the rank of professor and as the R. Randall Rollins Chair in Oncology. Dr. Chen has an extensive track record of accomplishment in both original publications and research funding. His scholarly work includes very impressive sets of papers where his discoveries have been published in Cancer Cell, Molecular Cell, Cell Metabolism, Nature Cell Biology, and Cancer Discovery. His research has been consistently funded throughout his career. He is currently supported by 2 NIH R01 awards and owns 6 patents for his work. As a mentor, Dr. Chen has received numerous honors and awards during his career including the American Cancer Society Research Basic Scholar Award (2008), the Leukemia & Lymphoma Society’s Career Development Program Scholar Award (2010), the Winship SK Scholar Award (2014-2019), the Distinguished Alumnus from the Graduate Division of Biological & Biomedical Sciences at Emory University (2016). Nationally, Dr. Chen is a standing member of NIH/NCI’s Tumor Cell Biology (TCB) Study Section and he has lectured extensively in the international and national arenas. As a mentor, Dr. Chen has an outstanding record of guiding young investigators to successful careers in cancer research. In 2017 he was recognized with the Winship Cancer Institute Research Mentorship Award.

In his role as Associate Vice Chair of Translational Research, Dr. Chen will work closely with the search vice chair team to enhance the Department’s scientific mission with a specific focus on the development of senior fellows and junior faculty, interested in translational research.
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. FY21 was an extraordinary year for the Department due to the success of the dedicated faculty who competed for a record high of $171.6M 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 appointments of Raghu Mirmira, MD, PhD as Vice Chair of Translational Research and Bing Chen, PhD as Associate Vice Chair of Translational Research who joined Yoov Gilad, PhD and Bana Jabri, MD, PhD to advance the Department’s scientific mission. Determined to learn more about the pandemic, Medicine faculty conducted novel COVID-19 related research resulting in 24 new awards and over $8M in funding as well as dozens of high impact papers. During the past academic year, the Department of Medicine’s research portfolio totaled nearly $125M in federal awards, $24.6M in industry funded grants and nearly $23M in non-federal awards. In FY21 faculty in the Department of Medicine acquired 44 new or competitive- ly renewed federal awards totaling approximately $33M in annual total costs. Noteworthy high impact grants include the successful renewal of the P30 Center for Interdisciplinary Study of Inflammatory Intestinal Diseases, (Bana Jabri, MD, PhD - PI) and a new P30 Center for Health Aging Behaviors and Longitudinal Investigations (David Meltzer, MD, PhD - PI). Arinidita Basu, PhD was awarded a prestigious NIH Director’s New Innovator Award to develop microfluidic and genomic tools that will enable researchers to decipher the complex interactions between microbial populations, host-pathogen interaction and the microbiome using single cell technology. Elbert Huang, MD was the recipient of a new NIH K24 entitled “My Diabetes My Community” focused on mitigating health disparities through patient-centered outcomes research, and also renewed his NIH K24 award focused on research and mentorship in medical decision making for chronic diseases of older adults. In non-federal grants, the Department was awarded significant funding from PCORI, the Damon Runyon Foundation, the Playday Foundation, Robert Wood Johnson Foundation, the Healing Trust and many others in FY21. Four junior faculty investigators, Drs. Mimi Arian, Xianyou Liu, Milda Saunders, and Sarah Tencer earned their first independent NIH research funding in FY21. Joshua Weinstein, PhD was the University of Chicago’s first recipient of the prestigious Moore Inventor Fellowship and will use the funding to develop DNA microscopy which will allow researchers to probe as-yet inaccessible layers of biological complexity. In clinical research, the Department conducted approximately 1700 clinical trials resulting in $21.2M in earnings. In select COVID-19 related research, the Department of Medicine received 24 awards in FY21 totaling over $8M. Significant awards include: John Schneider, MD received a $3.7M NIH U01 supplement to implement and evaluate a COVID-19 testing approach that combines an evidence-based social network testing strategy with community developed COVID-19 public health messages; Dr. Meltzer received a $1.7M Institute of Translational Medicine supplement to study the effects of vitamin D on COVID-19 outcomes and results of his study were published in JAMA Open Network, 2020 with over 360,000 online views to date and a metrics score of over 3000, putting it in the top 1000 of scientific papers ever ranked; Katherine Thompson, PhD received an award from HSRA to support the COVID-19 Genomics Workforce Enhancement Program. The Department of Medicine is committed to training the next generation of scientists in biomedical research, and is home to eight T series, two K12 training programs and 13 K (career development) grants. In FY21, three training programs, the Digestive Health and Diseases (Eugene Chang, MD - PI), Clinical Therapeutics (Eileen Dolan, PhD - PI) and Respiratory Biology (Julian Solway, MD - PI) were successfully renewed. Fumio Orii, MD, PhD received a $2.5M R01 and fully renewed a K23 to develop an oncology workforce for the 21st century. Two junior faculty, Drs. Bhati Patel and Nathan Schöttler, received new individual NIH K awards. This 7th annual Janet D. Roweley Research Day was held virtually on March 9, 2021 with an outstanding presentation by Nobel Laureate, Gregg Semenza, MD, the C. Michael Armstrong Professor of Genomic Medicine, Pediatrics, Oncology, Medicine, Radiation Oncology and Biological Chemistry at Johns Hopkins University School of Medicine. Best abstract winners in the faculty category were Drs. Xue Gao, Kimberly Stanford and Maria Piyia. In the trainee category best abstract winners were Drs. Yanhong Cui, Alka Kacir, Xuan Han and Marilyn Aresmena. Recognizing the research success of an outstanding mid-level scientist the Department selected Milda Saunders, MD and Alexandra Dumitrescu, MD, PhD as the recipients of the 2021 Leif B. Sorenson, MD, PhD Faculty Research Award. Dr. Saunders focuses her work on health disparities and quality of care, particularly related to chronic kidney disease and Dr. Dumitrescu’s research is focused on the study of the pathophysiology of inherited defects affecting the thyroid function. Select High Impact Federal Awards* • Infections and the Stability of Transplantation Tolerance (P01) – Marisa Allegra, MD, PhD • Integrative Consequences of Intermittent Hypoxia (P01) – Nanduri Prabhakar, PhD • Pathogenesis of Calcium Nephrolithiasis (P01) – Elaine Worcester, MD • UC/Chicago Interdisciplinary Cancer Health Disparities SPORE (P01) – Olufunmilayo Olopade, MD • Diabetes Research Training Center (P30) – Graeme Bell, PhD • Center for Interdisciplinary Study of Infectious Intestinal Disorders (P30) – Bana Jabri, MD, PhD • Center for Health Aging Behaviors and Longitudinal Investigations (CHABLIS) (P30) – David Meltzer, MD, PhD • Chicago Center for Diabetes Translation Research (P30) – Marshall Chin, MD & Monica Peak, MD • Profiling transcriptional heterogeneity in microbial cells at single cell resolution and high-throughput using droplet microfluidics – Aninda Basu, PhD • Medical Scientist Training Program – Marcus Clark, MD • Helping to End Addiction Long-term (HEAL) data platform – Robert Grossman, PhD • Host and microbial basis of human ulcerative colitis and pouchitis: Identification, risk, mechanisms, and resource development of host susceptibility and pathobiont factors and pouchitis – Eunaga Chang, MD, My Diabetes My Community – Elbert Huang, MD • ACCOSIS-Chicago - Karen Kim, MD • Illinois Cancer Alliance to Reduce Mortality and Enhance Screening (CARES) - Karen Kim, MD • The integrated stress response in human islets during early T1D – Raghu Mirmira, MD, PhD • Implementation of point-of-care pharmacogenomic decision support in perioperative care – Peter O’Donnell, MD • Emission testing of HIV, HCV, and STDS and overdose in rural communities of people who inject drugs (ETHIC) – Mai Pho, MD • Community network driven COVID-19 testing of vulnerable populations in the Central US – John Schneider, MD • ITH 2.0 Advancing Translational Science in Metropolitan Chicago (UL1) – Julian Solway, MD • Research training in respiratory biology – Julian Solway, MD *New / competitively renewed in FY21

A list of the DDPM FY21 Total Sponsored Research Awards 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. The COVID-19 pandemic challenged the traditional doctor-patient interaction but, despite these challenges, patient care continued to grow with the innovation of telehealth platforms. Department of Medicine investigators quickly mobilized research trials for hospitalized COVID-19 patients defining the use of medications such as tocilizumab and remdesivir and pioneering the use of innovative ventilation techniques to improve patient outcomes in the ICU. David Wallner, MD, PhD, chief of the Section of Hospital Medicine, and his colleagues, noted that higher than average vitamin D levels may confer protection against COVID-19 infection especially in black patients and organized a clinical trial to assess the benefit of treatment with vitamin D. Investigators throughout the Department published numerous articles characterizing the acute illness with COVID-19, defining the complexity of long-COVID, and assessing the impact of the pandemic on the medicine housestaff. In early FY22, Uzma Siddiqui, MD – Co-Director) continues to grow and thrive. Over the past year, 62 heart transplants were performed. The AHRQ is recognized as the best transplant program in the country with 100% 1 yr patient survival and shortest time to transplant.

Four Department of Medicine specialties made the national top 50 list as part of the U.S. News Best Hospitals rankings that were published in July 2021. Cancer rose to #21 from #24 the previous year, endocrinology rose to #14 from #19 the previous year, pulmonary moved up to #45 from #49 the previous year, and gastroenterology dipped to #14 from its #13 ranking in 2020. Geriatrics and Cardiology were ranked as a high performing specialties. Chicago magazine’s annual “Top Doctors” list included near-ly 75 physicians from the Department of Medicine.

In FY21 UCM continued to be recognized as one of the safest hospitals in the country for the 19th consecutive year by the prestigious and independent Leapfrog Group garnering “Straight A’s” designation for a strong level by generating over 1.2 million physician visits. The AHRQ has helped structure and run the new Care Transition Clinic and the Post COVID-19 Recovery Clinic for ambulatory COVID-19 patients. To help hospital and ED overcrowding, protocols allowing ED to ambulatory care settings were developed obviating the need for inpatient admission for many patients.

In FY21 DOM clinical faculty continued to perform at a strong level by generating over 12 million physician work RVUs (mRVUs), 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 3% to approximately 16,362.

In FY21, the Department’s onsite outpatient subspecialty practices and primary care visits totaled 193,842 up 11% from FY20. The Department of Medicine faculty from all subspecialties helped care for patients in the ED and on hospital wards and ICUs were organized to care for the increased number of hospitalized patients. As the number of patients increased, surge protocols to allow additional help in the ED, hospital wards and ICUs were organized to care for the patients. Department of Medicine faculty from all subspecialties helped care for patients in the ED and on the wards using a well-defined surge plan allowing additional faculty help without compromising patient care in other areas. The medicine housestaff, under the direction of John McConville, MD, restructured the inpatient and ICU rotations to care for the increased patient numbers in the COVID-19 wards and ICUs. Department of Medicine fellows, especially from hematology/oncology, pulmonary critical care and cardiology, became involved in additional direct patient care in the hospital for COVID-19 patients and to cover the non-COVID-19 service patients.

At the onset of the COVID-19 pandemic, ambulatory visits declined. Telehealth platforms were quickly put into use to keep follow-up appointments with patients and a video telehealth system embedded in the electronic medical record system was fully implemented by September 2020 with over 85% of video visits successfully completed using this platform. Telehealth has continued to be an important tool to interact with patients and currently about 20% of visits remain virtual. Despite the COVID-19 disruption in patient care, telehealth has allowed ongoing care of patients and patient satisfaction surveys have yielded the highest patient satisfaction in two years. In addition, the Department of Medicine has helped structure and run the new Care Transition Clinic and the Post COVID-19 Recovery Clinic for ambulatory COVID-19 patients. To help hospital and ED overcrowding, protocols allowing ED to ambulatory care settings were developed obviating the need for inpatient admission for many patients.

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In FY21, the Department’s onsite outpatient subspecialty practices and primary care visits totaled 193,842 up 11% from FY20. The Department of Medicine has continued to expand off-site practices. In February, 2020 a new internal medicine clinic was opened on the first floor of the River East facility. In FY21, this outpatient practice accounted for 16,400 visits, and the outpatient practices at South Loop and at the Orland Park facility recorded 2,548 and 9,527 visits respectively. The South Shore Senior Center recorded 6,466 patient visits. Subspecialty groups have offered Cardiology, Hematology/Oncology, Gastroenterology and other focused programs at clinics in Springfield, Champaign, Arlington Heights, Joliet and Munster Indiana sites.

Gastroenterology (GI) procedure volumes totaled over 20,000. GI has also started performing procedures at the UCM River East location, and has enhanced services at Ingalls Same Day Surgery in Tinley Park, to provide more service locations for patient convenience. In early FY22, Uzma Siddiqui, MD was appointed as the new director of Center for Endorsed Research and Therapeutics (CERT). Under her leadership CERT will continue its growth into the next decade as well as provide new unique services. The Liver Transplant Program (Michael Charlton, MD – Co-Director) continues to grow and expand. In FY21, the Transplant Institute performed 73 liver transplants, an 8% increase over FY20. The Department’s cardiac programs had a successful year with the Electrophysiology Program experiencing a 93% procedural growth as compared to FY20 and 4.9% growth as compared to FY19 with 151 ventricular tachycardia (VT) ablations, representing one of the largest epicaldar VT ablation programs in the country. The number of echocardiograms performed continued to rise and exceeded 26,000 studies per year. Cardiac MRI procedures also increased, reaching about 873 scans during this past year. The Interventional Cardiology Program also witnessed an increase in volumes, especially in structural heart disease and pulmonary artery procedures.

In FY21, 480 transplants were performed with bone marrow transplants accounting for 33% (557 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 17 CAR T-cell procedures were performed. Under the leadership of Sean Pinney, MD, the Advanced Heart Failure Program (AHRP) continues to grow and thrive. Over the past year, 62 heart transplants were performed. The AHRQ is recognized as the best transplant program in the country with 100% 1 yr patient survival and shortest time to transplant.

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In FY21 UCM continued to be recognized as one of the safest hospitals in the country for the 19th consecutive year by the prestigious and independent Leapfrog Group garnering “Straight A’s” designation for its consistency in delivering the highest lev-el of quality and protecting patients from prevent-able medical errors, injuries and infections while in the hospital.

2021 Department of Medicine Clinical Awards

- **Clinical Productivity Awards:**
  - Procedures Activity: David Harter, MD
  - Evaluation & Management: Victoria Barbosa, MD
  - Patient Visits: Victoria Barbosa, MD
  - Overall Clinical Activity: David Harter, MD
  - Outstanding Clinical Service: Jennifer Pisano, MD
  - Clinical Service (New Faculty): Ranea Jablonski, MD
  - Patient Satisfaction: Justin Kline, MD

- **Procedure Activity:**
  - David Harter, MD

- **Evaluation & Management:**
  - Victoria Barbosa, MD

- **Patient Visits:**
  - Victoria Barbosa, MD

- **Overall Clinical Activity:**
  - David Harter, MD

- **Outstanding Clinical Service:**
  - Jennifer Pisano, MD

- **Clinical Service (New Faculty):**
  - Ranea Jablonski, MD

- **Patient Satisfaction:**
  - Justin Kline, MD

2021 ANNUAL REPORT
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. With the critical need for diverse physicians in medicine, DOM was able to successfully recruit 7 new fellows and 16 new residents in the Internal Medicine Residency Program (IMRP), 91% of the graduates pursue sub-specialty training. The 2020 fellowship match successfully matched 40 residents into many of the most competitive and premier fellowship programs in the country, including 12 who continued their training at the University of Chicago. Cardiology and hematology/oncology were the most popular fellowship choices with 8 house staff in each matching to outstanding programs across the country. Other fellowship choices with 8 house staff in each matching included pulmonary/critical care, allergy/immunology, gastroenterology, hematology/oncology, and infectious disease. Importantly, the DOM was able to successfully recruit 7 new fellows who come from racial and ethnic groups that are underrepresented in medicine.

The internal medicine residents (IM) were the backbone of UCM’s response to the COVID pandemic. In the early months of the pandemic, the IM residents cared for 50% of the patients on the general wards with hospital medicine providers caring for the other half of the ward patients. In addition, IM residents cared for all of the COVID patients admitted to the ICU along with pulmonary/critical care fellows, faculty and colleagues from anesthesia and critical care. Under the leadership of Associate Program Director Julie Oyler, MD, IM residents learned new telehealth skills. All of the internal medicine and medicine-pediatric trainees stepped up during the crisis and demonstrated 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 were better than national averages and are evidence of the outstanding care provided by Medicine interns, residents, fellows and faculty. Finally, the number of DOM trainees who contracted COVID at work was exceedingly low which is a testament to the infection control policies/protocols put in place by UCM and the infectious disease group as well as the adherence to these protocols by all of the DOM providers.

In FY21, Mim Ari, MD and Jason Alexander, MD led the Internal Medicine Intern Selection Committee. A PGY 1 class of 41 interns was successfully matched from over 600 applicants. IM residents 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. 25% of the new intern class self-identify as underrepresented in medicine (URiM). Drs. Monica Vela, Bryan Smith and the entire Diversity Committee were instrumental in recruiting talented and diverse class. The Physician Scientist Development Program (PSDP), which is led by Drs. James Liao and Sonia Kupfer, recruited four outstanding MD/PhDs to the incoming class. The Physician Scientist Development Program (PSDP), which is led by Drs. James Liao and Sonia Kupfer, recruited four outstanding MD/PhDs to the incoming class. The Physician Scientist Development Program (PSDP), which is led by Drs. James Liao and Sonia Kupfer, recruited four outstanding MD/PhDs to the incoming class.

In FY21, Angad Chadha, MD was appointed as the director of the medical student dermatology clerkship. Under his leadership and as COVID restrictions lifted, 16 Pritzker MS1 and MS2 students were offered an opportunity to shadow faculty in dermatology clinics. In FY22, medical students will be offered a course focused on patient presentation in dermatology. The Dermatopathology Fellowship led by Christopher Shea, MD attracted 72 applicants in 2020 and successfully matched candidates into both positions with outstanding candidates for 2022-2023. The 2021 graduate obtained a position at an academic/clinical medical system in Pennsylvania.

The Medicine/Pediatrics Residency Program led by Rita Rossi-Foulkes, MD welcomed 4 top ranked candidates into their 4 open slots. Incoming residents who began in June 2021 consist of graduates from Columbia University, University of Chicago, Rush University and the University of Illinois School at Chicago. One half of the intern class is URiM. The 2021 Medicine-Pediatrics graduating class-Pediatrics matched into highly competitive fellowships at Boston Children’s Hospital, the National Institutes of Health and at Northwestern University.

In accordance with these values, the emergency medicine residents had the largest amount of representation on the South Side 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 16 talented emergency medicine residents each year. The incoming class of 2024 was drawn from coast to coast with over 60% from top 50 medical schools including the Pritzker School of Medicine. Most importantly, the Emergency Medicine Residency continued its strong tradition of recruiting URiMs with 44% of the incoming class comprised of URiMs. This diverse group of individuals will continue to serve the patient population by addressing healthcare disparities both in and out of the emergency department. In accordance with these values, the emergency medicine residents had the largest amount of representation for the inaugural GME Community Champions program which engages residents in a collaborative effort with community leaders against healthcare inequities. The 2020-21 graduates from the Emergency Medicine Residency Program largely pursued academic careers as 12 out of 16 obtained competitive fellowship positions or joined faculty at peer institutions.

The Section of Dermatology 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 2020 with a guest lecture by Linda R. Fox, MD, Professor of Dermatology at the University of California-San Francisco. The Dermatology Residency Program, led by Adena Rosenblatt, MD PhD received 649 applications in 2020, and successfully matched outstanding candidates to each of the three available positions. The 2021 graduates accepted dermatology faculty positions at Columbia University, MD Anderson, and Rush-Copley Medical Center. Impacted by COVID restrictions, the Section created an interactive virtual elective that received applications from 153 trainees and included students from Pritzker, as well as residents and fellows from the IMRP program and other departments in BSD.

The Department of Medicine has a well-established track record of excellence in the educational training, development and mentorship of bright young trainees. We poised for future leadership in biomedical sciences. In this respect, senior investigators continue to provide a nurturing environment that fosters critical thinking, challenging paradigms, and a collaborative spirit geared toward maximizing the future research potential of each trainee. The Department is home to several nationally recognized medicine research training programs, including 8 NIH-funded training (T32) grants in cardiology, adult and pediatric endocrinology, oncology, respiratory biology, digestive diseases, clinical therapeutics as well as the medical scientist training program. The Department also hosts two NIH K23 grants in oncology and HIV-related-cardiovascular disease and outcomes research, and ten F series NIH awards.

In FY21, 8 Medicine faculty were recognized as “Favorite Faculty” by the Pritzker graduating. Peter O’Donnell, MD was honored as the recipient of the LDH Wood Preclinical Teaching Award. Mark Siegler, MD was awarded the Department’s Arthur Rubenstein Mentorship Award. Within the Biological Sciences Division, Jeanne Farman, MD and Mark Siegler, MD were the recipients of the Distinction Award / Mentor Awards for 2021. The Department of Medicine has a well-established track record of excellence in the educational training, development and mentorship of bright young trainees. We poised for future leadership in biomedical sciences. In this respect, senior investigators continue to provide a nurturing environment that fosters critical thinking, challenging paradigms, and a collaborative spirit geared toward maximizing the future research potential of each trainee. The Department is home to several nationally recognized medicine research training programs, including 8 NIH-funded training (T32) grants in cardiology, adult and pediatric endocrinology, oncology, respiratory biology, digestive diseases, clinical therapeutics as well as the medical scientist training program. The Department also hosts two NIH K23 grants in oncology and HIV-related-cardiovascular disease and outcomes research, and ten F series NIH awards.

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Honor: The Department of Medicine’s extraordinary pool of talented educators continues to be recognized for their excellence in undergraduate and graduate medical education both institutional and nationally. In FY21, 8 Medicine faculty were recognized as “Favorite Faculty” by the Pritzker graduating. Peter O’Donnell, MD was honored as the recipient of the LDH Wood Preclinical Teaching Award. Mark Siegler, MD was awarded the Department’s Arthur Rubenstein Mentorship Award. Within the Biological Sciences Division, Jeanne Farman, MD and Mark Siegler, MD were the recipients of the Distinction Award / Mentor Awards for 2021. The Department of Medicine has a well-established track record of excellence in the educational training, development and mentorship of bright young trainees. We poised for future leadership in biomedical sciences. In this respect, senior investigators continue to provide a nurturing environment that fosters critical thinking, challenging paradigms, and a collaborative spirit geared toward maximizing the future research potential of each trainee. The Department is home to several nationally recognized medicine research training programs, including 8 NIH-funded training (T32) grants in cardiology, adult and pediatric endocrinology, oncology, respiratory biology, digestive diseases, clinical therapeutics as well as the medical scientist training program. The Department also hosts two NIH K23 grants in oncology and HIV-related-cardiovascular disease and outcomes research, and ten F series NIH awards.
Cardiology

SECTION OF

Under the leadership of James K. Liao, MD, the Section of Cardiology continues to excel in its tripartite mission of providing high-quality patient care, innovative research, and dedicated teaching. Despite the constraints imposed by the COVID-19 pandemic in FY21, clinical productivity in the Section improved substantially, and was 9.3% higher than that of FY19, the year before the pandemic. This was accomplished through the hard work of the faculty and staff and increased clinical volume through outreach activities.

In FY21, the section welcomed Sean Pinney, MD, professor of medicine, to serve as the new Director of the Advanced Heart Failure, Cardiac Transplant, and Mechanical Circulatory Support (see Faculty Highlights page 8). He also serves as the Associate Director of the Heart & Vascular Center, and was elected to the Board of Directors, American Society of Transplantation.

In FY21, the General/Preventive Cardiology Program continued to expand its clinical activities beyond Hyde Park to River East and Orland Park locations. As a result, the outpatient visits increased by 16% compared to FY20, 9% compared to that of FY19. Furthermore, new patient visits accounted for 29.1% of all patient visits, exceeding that of FY19, compared to that of FY20 and 14% compared to that of FY18.

Highlights (page 8). He also serves as the Associate Professor of Medicine, to serve as the new Director of the Heart & Vascular Center, and was appointed to the American Society of Transplantation.

In FY21, the Interventional Cardiology Program (ICP) launched outpatient operations at Orland led by Drs. Atman Shah, Sandeep Nathan, Jonathan Paul and John Blair at River East led by Rishan Kalathiyar, MD, and developed closer collaborations with the cardiac catheterization laboratories at Ingalls Hospital, Clinical, the TVH, Mita-Clip, and WATCHMAN program continued to grow. Jonathan Paul, MD expanded the Pulmonary Embolism Response Team and established an outpatient clinic to serve these patients. The Hybrid Revascularization Program, a collaboration with cardiac surgery, has seen continued growth. During the COVID-19 pandemic, the ICP maintained CCO service obligations while continuing to increase procedural volumes in the Cath Lab. The ICP also worked with the hospital to create a negative pressure procedure room to perform emergent cases and with the CT surgical group to perform emergent bedside ECMO cannulations. During the pandemic, the ICP volunteered in the ED and served as hospitalist inpatient coverage. Moreover, ICP manages the coronary device trials to study the clinical efficacy of bioresorbable stents for the treatment of intraplaque arterial disease, which is the only site in Illinois for this study.

The Electrophysiology Program (EP) continues to be a referral center for complex ablation of cardiac arrhythmias. The EP group started the epicardial AF ablation program, the only program in Illinois, in conjunction with the cardiac surgical group. Furthermore, the EP group performed the first case of cardiac ablation for functional bradydysrhythmia and vasovagal syncope in the US, which was subsequently published in JACC Case Reports. Overall EP clinical volume (0.004 cases) has almost recovered to the level of FY19 (1.191 cases). Despite the pressures exerted by the ongoing COVID-19 pandemic which limited elective procedures, the VT ablation volume grew by 17.5% compared to that of last year. Hemal Nayak, MD also began a transcatheter aortic valve replacement program, the only program in Illinois. Furthermore, the ICP volunteered in the ED and served as hospitalist inpatient coverage. Moreover, the ICP manages the coronary device trials to study the clinical efficacy of bioresorbable stents for the treatment of intraplaque arterial disease, which is the only site in Illinois for this study.

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In FY21, Bohdan Khomtchouk, PhD continued to develop the emerging discipline of cardioinformatics by integrating bioinformatics and computational biology approaches to illuminate cardiovascular/molecular biology and enable new therapeutics. During this past year, he published a paper in Database, 2020 on HeartBioPortal – one of the largest cardiovascular disease genetics database in the world – and a paper in Nature Portfolio Journal Bioinformatics on using AI/machine learning approaches for microbiome-based drug discovery to enable computationally-derived therapeutics. Dr. Khomtchouk also spun off a biotech company called Dock Therapeutics, Inc from his lab as part of the NSF i-Corps program hosted through the Polsky Center for Entrepreneurship and Innovation and Booth School of Business.

Kyle Hernandez, PhD worked on multiple COVID-19 related projects, including a survey of ACE2 and TMPRSS2 expression by clinical, HLA, immune, and microbial correlates across 34 human cancers (Journal for Immunotherapy of Cancer, 2020); an investigation of intra- and inter-host viral genomic diversity (Genome Research, 2021); a survey of distinct gene expression patterns between African Americans and European Americans across tissues and tumors associated with immunologic functions that are relevant to COVID-19 (Scientific Reports, 2021); and an on-going collaboration with researchers from Uruguay that integrates epidemiological data with evolutionary dynamics of the CoV-2 virus. Dr. Hernandez also contributed important efforts to the NCI Genomic Data Commons, which are described below.

In FY21, Dr. Rzhetsky’s laboratory completed two NIH-funded projects focused on computational analysis of patients with Down’s syndrome, and predictive modeling of clinical outcomes of patients exposed to COVID-19 infection. They probe the question of seasonality of psychiatric disorders using two very large datasets describing the health histories of 150 million unique Americans and the entire Swedish population (PLoS Biology, 2021). They found that psychiatric disorders’ annual patterns were remarkably similar across the studied diseases in both countries, with the magnitude of annual variation significantly higher in Sweden than in the US for psychiatric, but not infectious diseases.

In collaboration with the Dr. Khomtchouk’s group, the Rzhetsky laboratory generated and described methodology for natural language processing with the following individual contributions (Nature Systems Biology and Applications, 2021): (a) a new, Named Entity Recognition Ontology (NERO) developed specifically for describing textual entities in biomedical texts, which accounts for diverse levels of ambiguity, bridging the scientific sublanguages of molecular biology, genetics, biochemistry, and medicine; (b) detailed guidelines for human experts annotating hundreds of named-entity classes; (c) pictographs for all named entities, to simplify the burden of annotation for curators; (d) an original, annotated corpus comprising 15,885 sentences, which encapsulate 190,679 named entities and 43,483 events connecting two or more entities; (e) validated, off-the-shelf, named-entity recognition automated extraction, and (f) embedding models that demonstrate the promise of biomedical associations embedded within this corpus.

Starting with the common knowledge that the transition to daylight saving time (DST) is beneficial for energy conservation but at the same time it has been reported to increase the risk of cerebrovascular and cardiovascular problems, the Rzhetsky group systematically interrogated DST-associated health effects (PLoS Computational Biology, 2020). They found four prominent, elevated risk clusters, including cardiovascular diseases (such as heart attacks), injuries, mental and behavioral disorders, and immune-related diseases such as noninfective enteritis and colitis to significantly associate with daylight time shifts in the United States and Sweden.

Dr. Robert L. Grossman serves on the executive committee of the BloodPAC Consortium for liquid biopsy data, which has expanded to include over 50 organizational members, including most of the vendors that provide liquid biopsy assays for cancer. A paper by Dr. Grossman and other members of the consortium describing the BloodPAC Data Commons appeared recently in JCO Clinical Cancer Informatics. Dr. Grossman also continues to develop the Pandemic Response Commons, which is a persistent resource for the management, analysis and sharing of data related to COVID. The Pandemic Response Commons contains clinical, viral variant and related data from the Chicago and Illinois region.

Dr. Robert L. Grossman
Dr. Andrey Rzhetsky

Under the leadership of co-chiefs, Robert Grossman, PhD and Andrey Rzhetsky, PhD, the Section of Computational Biomedicine and Biomedical Data Science, provides a home for faculty who have a research focus in computational biomedicine and biomedical data science (data science and its applications to biology, medicine and healthcare). A strength of the Section is the number of research collaborations involving Section members. The Section of Computational Biomedicine and Biomedical Data Science, provides a home for faculty who have a research focus in computational biomedicine and biomedical data science (data science and its applications to biology, medicine and healthcare). A strength of the Section is the number of research collaborations involving Section members.
In FY21 the Section welcomed two new faculty members, Angad Chadha, MD and Arlene Ruiz De Luzuriaga, MD. Dr. Chadha, assistant professor of medicine, focuses his work on inpatient dermatology as well as supportive oncodermatology. He is the primary inpatient consultant for UCM hospitalized patients who require dermatology consultation and expertise for diagnosis and treatment of complex skin disease in the inpatient setting. Within supportive oncodermatology, his interests include adverse reactions and skin disease in patients undergoing oncologic treatments for cancer. Additionally, he sees medical dermatology patients in the DCAM clinic. Dr. Ruiz De Luzuriaga, assistant professor of medicine and vice-chief for dermatopathology operations, has specialty training in both dermatology and dermatopathology. Dr. Ruiz’s specialty interest is in melanoma and complex pigmented lesions. She is currently working on expanding and marketing the Pigmented Lesions Program with the Section. Her clinical time is divided between seeing medical dermatology patients, holding a weekly pigmented lesions/melanoma clinic and dermatopathology service. Her research interests include quality improvement in melanoma screening and treatment. She sees patients at both the Hyde Park and South Loop practice sites.

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 enhance the clinical practice with new initiatives and a renewed focus on advanced patient care and research. The Section’s clinical enterprise continues to be highly productive in outpatient visits and procedures, and in providing the highest quality interpretative services for dermatopathology cases. This fiscal year the Section extended services by adding dedicated inpatient and consultative dermatology and pigmented lesions/melanoma services with the addition of Drs. Chadha and Ruiz De Luzuriaga. Additional recruitment planned in FY22 will allow for further general and specialty care within dermatology both on and off site. Expansion of clinical operations to off-site practices in Orland Park, Tinley Park, Edwards, the South Loop and River East have broadened the Section’s reach in the Chicagoland area. In FY21, the Section was able to maintain clinical growth as the COVID-19 pandemic persisted, by continuing to provide access through a blend of telemedicine services for those conditions that could be appropriately evaluated remotely and high quality in-person care for skin diseases through clinic visits and procedures.

The Section’s investigative basic science program continues to focus on the fundamental question of how cells respond to damage from radiation and chemicals from internal or external sources to cause cancer. In FY21, Dr. Yu Ying He’s laboratory continued to study the role of RNA methylation in UV damage repair and tumorigenesis. This research is funded by the National Institute of Health, with three ROI grants awarded to Dr. He to support this work. Dr. He’s work has culminated in a number of publications including several in high-profile journals. Over the past year, the Section has also continued to expand its clinical trials portfolio, which currently focuses on pediatric autoimmune diseases and non-melanoma skin cancers. The Section was the only site in the Chicagoland area to host a clinical trial of palidagociel, a targeted medication for patients with Gorlin syndrome and multiple basal cell carcinomas, led by Dr. Bolotin. In the summer 2021, Dermatology was the only site in the Chicagoland area to host a clinical trial of a novel oncolytic HSV virus therapy (RP-1) for advanced cutaneous squamous cell carcinoma in solid organ transplant recipients. The Section’s pediatric dermatologists, Drs. Sarah Stein and Adena Rosenblatt, continued to carry out two interventional clinical trials: one testing iviixubumab, in pediatric patients with psoriasis; and another study focused on evaluating impact of visible and chronic skin diseases on stigma and psychiatric issues in the pediatric population. Additionally, a number of investigator-initiated trials in pediatric autoimmune diseases and hair diseases, and a translational investigator-initiated and funded study of RNA methylation in squamous cell skin cancers continued through FY21.

The Section’s educational 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 Dr. Rosenblatt remains a sought-after dermatology training program, having completed a successful match cycle this year with 639 highly competitive applicants in 2020, seeking one of four slots in 2021. The dermatopathology fellowship program, led by Christopher R. Shea, MD, also continues to remain strong by providing an excellent training experience to an elite group of dermatologists and pathologists with 71 applicants for one slot entering in July 2022. The Section’s newly formed Diversity Committee is working closely with section and program directors to integrate the new Diversity, Equity and Inclusion (DEI) plan into recruitment efforts and educational curriculum for the section.

• Victoria Barbosa, MD, MPH, MBA – Founder, Physician Protect Initiative by CDPH; 2021 Chicago magazine’s Top Doctors, Dermatology and Castle Connolly Top Doctors, Dermatology
• Diana Bolotin, MD, PhD – Appointed as Bucksbaum Institute Senior Scholar; 2021 Chicago magazine’s Top Doctors, Castle Connolly’s Exceptional Women in Medicine and Castle Connolly Top Doctor and Castle Connolly’s Exceptional Women in Medicine, elected member, American Dermatological Association; appointed chair of the American Society for Dermatologic Surgery Research Work Group and chair of the ACHS Diagnostic Quality and Teaching Library Committee
• Angad Chadha, MD – Course Director for Inpatient Consult Dermatology Clerkship, PSOM (2022) advisor to Medical Student Dermatology Interest Group, PSOM (2020-2022); Clerkship Director for Dermatology, PSOM
• Yu-Ying He, PhD – Appointed Co-Chair of the Photobiology Symposium, Society for Investigative Dermatology 2021 meeting, appointed Associates Director for Shared Resources for the University of Chicago Comprehensive Cancer Center
• Mark Hoffman, MD – invited speaker, Pyydarma Gangaremou, Division of Dermatology Grand Rounds, Loyola University

• Oluwakemi Onajin, MD, PhD – Appointed Vice Chair of the American Society of Dermatopathology Young Physicians’ Committee
• Adena Rosenblatt, MD, PhD – Elected to the Association of Professors in Dermatogenesis Program Director Steering Committee
• Arlene Ruiz de Luzuriaga, MD, MPH, MBA – Appointed as a Bucksbaum Institute Associate Junior Faculty Scholar, 2021 Chicago magazine’s Top Doctors. Dermatology; Chicago magazine’s Exceptional Women in Medicine and Castle Connolly Top Doctor, Dermatology
• Christopher R. Shea, MD – 2021 Chicago magazine Top Doctor and Castle Connolly Top Doctor in Dermatology
• Sarah Stein, MD – Recipient of the University of Chicago, Department of Pediatrics 2020 Donald Liu Award for Collaborative Achievement
Emergency Medicine

In October, 2020 Christine Babcock, MD, associate professor of medicine, assumed interim leadership of the Section of Emergency Medicine (EM) following the retirement Linda Druelinger, MD who served as chief for 9 years. Dr. Babcock served as director of the EM Residency Program for nearly a decade and has been recognized as an outstanding clinician, educator, and role model by the EM residents. Her passion for providing excellent education is exemplified by her many innovative contributions to the residency program including a redesign of the residency curriculum, implementation of a comprehensive board review program, creation of a formalized mentorship program, and advancing efforts to support a diverse and inclusive training environment. Under Dr. Babcock’s leadership, EM continues to support and maintain the operation and management of the busy adult emergency department (ED) at the University of Chicago Medicine. In addition, the Section continues to care for a sustained COVID-19 presence in the ED as well as an increase in patients suffering from acute traumatic injuries. After a decline in volumes secondary to the COVID-19 pandemic, the number of patients presenting for emergency care has approximated pre-COVID-19 volumes. Throughout the past year, the number of patients presenting to the adult ED for care was just under 75,000.

In FY21, EM welcomed two faculty to the Section at the rank of assistant professor: Mark Chottiner, MD and Nicholas Ludmer, MD. Dr. Chottiner received his MD at the University of Maryland and is a graduate of the Section’s residency program. He completed a fellowship at Rush University in emergency ultrasound. His interests are focused on optimizing ultrasound education for all learners with in the University community. He will also serve as the director for the Inaugural Emergency Medicine Ultrasound Fellowship. Dr. Ludmer received his MD at the Pritzker School of Medicine and completed his residency training at the University of Cincinnati. He then completed a Global Health Education Fellowship at the University of Chicago. His interests are focused on global emergency care and resident education in resource-limited settings.

In FY21, the Opioid Overdose and Naloxone Distribution Program, spearheaded by Paul Quinny Moore, MD two years ago, continued to care for patients with opioid use disorder and provides family members with tools to combat opioid overdose. Patients at risk of death due to opioid use are identified in the ED and patients and family members are educated on the use of naloxone and buprenorphine post discharge. Dr. Moore was named as a site PI on a National Drug Abuse Treatment Clinical Trials Network (CTN)/New England Consortium grant that conducts clinically relevant research on the treatment of substance use disorders in real-world settings where he will specifically study the effectiveness of these interventions.

Led by David Beiser, MD, the Emergency Clinical Trials Unit (CTU) facilitates all types of emergency research at the institution by bringing together expertise and infrastructure that enables the highest quality emergency clinical research related to cardiac arrest, brain trauma, complications of pregnancy, opioid addiction and COVID. In FY21, the CTU was very active where multiple clinical trials, funded both by the NIH and the pharmaceutical and device industry, were implemented. Dr. Beiser received NIH funding to support Project PREVENT (Preventing Emerging Infections through Vaccine Effective/Nasal Testing) and to develop a project that adds audio-visual cues to signs and symptoms for COVID-19 screening. He also received an award through the Institute of Translational Medicine to develop a culturally-informed reHealth program for improving self-management of postpartum hypertension in African American women. EMS Medical Director, Katie Tatarsik, MD, launched the LITES network prehospital airway trial (PACT) and was awarded a grant by the Chicago Department of Public Health to implement prehospital telediagnosis consults within the Chicago Fire Department EMS Service and facilitate the appropriate care for mental health patients. Tereisa Hogan, MD was the recipient of a $500K award from the Mayday Fund to maximize adoption of nerve blocks in the emergency room to decrease opioid use and decrease risk of delirium in hip fracture patients. Kimberly Stanford, MD focused her clinical research on identifying undiagnosed HIV infections in patients presenting to the ED. Her work has led to funding supplementation from Gilead to study linked testing for COVID-19 and HIV in EDs around the city that are part of the x-TLC group and a high impact paper in JAMA Internal Medicine (July 2021).

In basic research, Nanduri Prabahakar, PhD continued his investigative efforts as part of his NIH-funded project grant which examines the mechanisms and consequences of the overactive sympathetic nervous system caused by chronic intermittent hypoxia and by sleep apnea. Alfredo Garcia, PhD and Willard Sharp, MD, PhD 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 Interim Program Director James Ahn, MD, continues to attract outstanding trainees and continuing its strong tradition of recruiting underrepresented minorities in medicine with 44% of the incoming class being comprised of URIMs. This past year, thirteen of the sixteen graduates pursued academic fellowship training. At the post-graduate level, the Section offers five clinical scholar/fellowship training programs including advanced training in medical education, global emergency medicine, medical administration, ultrasound and emergency medical services. The ultrasound fellowship will recruit for its inaugural fellow for the 2022-23 academic year. The Medical Student Clerkship Program, led by Kema Carter, MD, and Paul Kukulski, MD, continues to provide excellent training for the Pritzker School of Medicine and is consistently rated as one of the top rotations by students. In global health, Keegan Cheessett, MD, was invited to collaborate with the World Health Organization Clinical Management of COVID-19 team to develop, edit and publish a course series titled ‘Clinical Management of COVID’ to provide best practices for healthcare workers globally, especially in low and middle income countries. 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. These programs have the added benefit of exposing current Pritzker School of Medicine students and University of Chicago hussestaff to community outreach, engagement, and mentorship.
Emergency Medicine

SECTION OF Medicine Award and the 2021 Department of Medicine Residency Outstanding Mentor Award

Resident Association 25 Under 45 National Award

Excellence; recipient of the Emergency Medicine Faculty Scholar, Bucksbaum Institute for Clinical Abstract Award, Janet Rowley Research Day, 2021

Christine Babcock, MD

Elected president, Illinois

Christine Babcock, MD

- Named as DEI committee chair for the EM Council of

Chicago EMS Base Station and selected as course director, City of Chicago's Mobile Integrated Healthcare (MIH) Program.

- Named as chair of the Education Committee for Region 11 EMS, appointed as medical director for the Chicago Fire Department's Mobile Integrated Healthcare (MIH) Program and selected as course director, City of Chicago EMS Base Station

- Named as chief of the Section of Emergency Medicine Residency Outstanding Teacher Award

- Recipient of the 2021 Emergency Medicine Residency Outstanding Mentor Award

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- Recipient of the 2021 Emergency Medicine Residency Outstanding Mentor Award

- Elected president, Illinois

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In that role he worked closely with Dr. Gilad to increase the number of well-trained young physician-scientists within each of the Department’s subspecialty sections and is currently leading the recruitment efforts for transformational physician scientists for the Department.

As a researcher, Dr. Mirmira’s work is focused on diabetes research—specifically on the pathogenesis of diabetes mellitus and the biology of islet cells. Among his many achievements, Dr. Mirmira’s research has led to the discovery and characterization of fast-acting insulin analogues, which are widely used by patients with diabetes today. More recently, his work has begun to dramatically reshape our understanding of the immune pathogenesis of type 1 diabetes. His research has been continuously funded by NIH since 1999 and he currently serves as PI on five NIH R series and one NIH U series awards. He is also the lead program director with Graeme Bell, PhD of the recently renewed T32 training program in adult integrated clinical and basic endocrinology research. As a scholar he has published over 150 scientific papers in prestigious journals, including JCI, Cell Metabolism, and Nature Communications. Dr. Mirmira currently serves as Deputy Editor-in-Chief of the Journal of Clinical Endocrinology and Metabolism, and is an elected member of the American Society for Clinical Investigation.

In FY21, the Section successfully opened a new IBD clinic in Hillsdale and plans to expand this clinic in the near future. In addition, GI faculty began performing endoscopic procedures at the UCM River East location and will continue to grow procedure volumes at the satellite locations.

In FY21, the Section research portfolio totaled over $13.5M and included the successful continuation of two important grants: the NIH Digestive Health and Disease TS2 (Eugene Chang, MD – PI) and the NIH P30 Center for Interdisciplinary Study of Inflammation (Russell Cohen, MD – Director) continued to grow particularly at Orlando Park, River East, and Tinley Park during the past year.

In FY21, the Section continued to grow its clinical programs both on campus and at offsite locations. The Section successfully opened a new IBD clinic in Hillsdale and plans to expand this clinic in the near future. In addition, GI faculty began performing endoscopic procedures at the UCM River East location and will continue to grow procedure volumes at the satellite locations.

The Liver Transplant Program. (Michael Charlton, MD – Co-Director) continues to grow. In FY21, the Transplant Institute performed 73 liver transplants, a significant increase over FY20. Umma Siddiqui, MD was recently appointed as director of the Center for Endoscopic Research and Therapeutics. She previously served as associate director where she was an integral part of the Center’s success. Under her leadership CERT will continue its growth in the next decade as well as provide new unique services. Chris Chapman, MD was named co-director of the Center for Obesity and Weight Management where he will partner with Mustafa Hussain, MD to oversee and grow the newly created Center for Obesity and Weight Management. The Inflammatory bowel Disease Center (Ruseil Cohen, MD – Director) continued to grow particularly at Rockford East, River East, and Tinley Park during the past year.

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SECTION OF

Gastroenterology, Hepatology & Nutrition (Cont.)

PROFESSORS:
David Rubinstein, MD (Chief)
Eugene B. Chang, MD
Michael Chang, MD
Srinath Chintalapudi, MD
Julie Huh, MD
Hana Jaffe, MD, PhD
Karen Kim, MD
Mary Routh, MD
Carol Semrad, MD
Uma Sadagopan, MD
Nina Shah, MD

ASSOCIATE PROFESSORS:
Andrew Arantes, MD
Mehran Ensan, MD
Robert Kavitt, MD
Sandra Kupfer, MD
Vanisha L. Patel, MD
José Pekow, MD
Anjana Pillai, MD
Kavitha Gautham Reddy, MD
Abhishek Sakuraba, MD

ASSISTANT PROFESSORS:
Vivika Pekow, PhD*
Christopher Chapman, MD
Santina Past, MD
A. Murat Eren, PhD
Camilla Liu, PhD*
Edwin McDonald III, MD
Dejan Micic, MD
Sujan Nalapat, MD
Sondel Paul, MD
Yijiao Yao, MD
Niel Sengupta, MD

INSTRUCTORS:
Nia Dowland, MD*

CLINICAL ASSOCIATES:
Mani Gupta, MD
Barbara Regulatory, MD

SECTORS:
ADMISSIONS DIRECTOR:
Mark Mitchell

*Research track faculty
**Teaching track faculty

A C C O M P L I S H M E N T S  a N D  H I G H L I G H T S :

• Drs. Russell Cohen, Ina Hanan, David T. Rubinstein, Carol Semrad, Helen Te - Named as Top Doctors by Chicago magazine

• Drs. Helen Te and Carol Semrad - Named as Exceptional Women in Medicine by Chicago magazine

• A Murat Eren, PhD - Recipient of BSD Distinguished Investigator (Junior) Award

• Carol Semrad, MD - Recipient of the BSD Distinguished Clinician (Senior) Award and named as Master Endoscopist by The American Society for Gastrointestinal Endoscopy

• Neil Sengupta, MD - Named as chair, Practice Parameters Committee of the American College of Gastroenterology

• David T. Rubinstein, MD - Elected chair of the National Scientific Advisory Council of the Crohn’s & Colitis Foundation (2020-24); recipient of the 2020 Sherman Prize by the Bruce and Cynthia Sherman Charitable Foundation

• Helen Te, MD - Recipient of the 2021 Physician of Distinction by American Society of Transplantation

In FY21, GIM welcomed three new faculty at the rank of assistant professor: Harita Shah, MD, whose interests are focused on improving access to care for underserved communities and addressing health disparities; Rasika Karnik, MD, who currently leads the Section’s Post-COVID-19 Recovery Clinic; and Elizabeth Tung, MD, MS, who conducts highly innovative research addressing effects of community violence on health, and mentors many trainees with interests in this area.

Major accomplishments in FY21 included GIM’s rapid response to COVID-19 pandemic needs in both inpatient and outpatient settings; a new Post-COVID-19 Recovery Clinic, and effective advocacy and leadership at the institution and community level to promote equitable access to high quality care, including COVID-19 vaccines. Associate Chief Medical Information Officer, Sachin Shah, MD, used the electronic medical record infrastructure he previously developed to issue invitations to UCM patients in need of COVID-19 vaccines. He also mentors many trainees.

After rapidly implementing telehealth visits during early weeks of the pandemic, FY21 was a time for rebuilding on-site in-person clinical operations. Under direction of Lisa Vinci, MD, MS, the Primary Care Group (PCG) cared for over 30,000 patients in FY21, the majority of whom are lower-income African Americans, who were deeply affected by COVID-19, economic displacement, and systemic racism during pandemic. To address this crisis, GIM faculty played leading roles in clinical service and advocacy. Monica Peck, MD, MPH, was part of the team that developed the COVID-19 crisis standards of care for the state of Illinois and served on the mayor’s Racial Equity Rapid Response team.
to address COVID-19 disparities in Chicago. With support from George Weyer, MD, Drs. Vinci and Krishnamurthy, the PCG team called and engaged thousands of ‘missing’ patients to get them back into needed care for diabetes, hypertension, and other high-risk conditions. As Dean for Clinical Affairs, John Flynn, M.D., M.B.A., M.E.D., led development of the UCM clinical network, adding new practices at homewood and Dearborn Station, with many new physicians. Lina Khamis, MD, was named medical director of the practice at River East.

In October 2020, the Section launched the new Post-COVID-19 Recovery Clinic (PCRC) to address needs of so-called COVID-19 Long-Haulers, who experience lingering symptoms after COVID-19. Under direction of Basha Kurki, MD, MS, this clinic brings new patients into the UCM system for post-COVID-19 specialty care and supports clinical research on the post-COVID-19 syndrome. In FY21, the PCRC served 265 new patients, most of whom also received UC sub-specialty care.

Under leadership of George Weyer, MD, and Mimm Ari, MD, the new in-patient Opioid Use Disorder (OUD) Consult Service saw over 10 patients per week to address the rising burden of OUD in Chicago. With Sarah Dickinson (APN) and JP Murray, MD (Hospitalist), Drs. Weyer and Ari address inpatient opioid needs, teach residents to care for OUD, and start patients on medication treatment with links to outpatient follow up through grant funding from the Illinois Public Health Institute. Readmissions have plummeted for in-patients receiving this care (19%–11% 90 day readmissions; 29%–19% 90 day readmissions).

Doriana Miller, MD, was named Medical Director for the new Liaisons in Care (Linc) program connecting medically underserved patients to care through expanding use of community health workers in PCG and other UCM clinics, and named Director of Health Equity for Institute for Translational Medicine. Anna Vokelam, MD advocated for schools reopens in the Chicago Tribune and on a panel with CHWFS Dr. Allison Awardy: she also launched a new program, ACHEIVE, for high schoolers and undergraduates supporting local community organizations through service projects.

In FY21, GHP research portfolio totaled over $14M, which includes the successful acquisition of several new high-impact awards. Elbert Huang, MD, MPH was the recipient of a new NIH R01 entitled “My Diabetes My Community” focused on mitigating health disparities through patient-centered outcomes research, and received his NIH K24 award focused on research and mentorship in medical decision-making for older adults with chronic disease. Dr. Huang was recently awarded a $20M grant from NIH to launch, in collaboration with Rush Medical Center, the Chicago Chronic Condition Equity Network (CCEIN), a project that will focus research efforts on addressing health disparities in chronic disease care for African Americans and Latinos in the Chicago region. Mimm Ari, MD, and Nada Latteerapanor, MD, MS, in collaboration with Kate Thompson, MD (GHP) received funding from the Agency for Healthcare Research and Quality to implement a new pragmatic model for implementing chronic pain, opioid, and opioid use disorder for Chicago’s older adults. Dr. Latteerapanor, was also awarded a five-year training grant to develop the Primary Care Investigators Training in Chronic Disease & Health Disparities (PITCH) Fellowship. Milda Saunders, MD, MPH was the recipient of a new NIH R01 to develop and test an Intensive Patient Referral and Education Program for Renal Replacement Therapy (FRIEND-RRT) program. Monica Peek, MD, MPH, MS, was awarded an NIH Community Engagement Alliance (CEAL) award to study and address COVID-19 disparities, in conjunction with the University of Illinois at Chicago. GHP faculty continue to lead education efforts in the Internal Medicine and Med-Peds residencies and in the Pritzker School of Medicine, teaching over 130 residents in the PGC clinic and serving in a variety of leadership roles. Allison Crawford, MD, MS, launched a new residents’ curriculum in cardiovascular preventive health with support from the Academy of Distinguished Medical Educators. Rusiacki, MD, MS, continued developing the women’s health track within the internal medicine residency program, with 9 residents currently enrolled. Wei Wei Lee, MD, MPH, led efforts to build resilience in the face of COVID-19 and other stressors among medical students, residents and faculty.
Under the leadership of Yoav Gilad, PhD, the Section of Genetic Medicine demonstrated overwhelming research success in the past year. Remarkably nearly every member of the Section’s faculty is supported by extramural funding for their innovative translational genetic research. Highlights from FY21 include the recruitment of Roshini Roy-Chowdhury, PhD to the faculty and the receipt of a NIH Director’s New Innovator Award to Anindita Basu, PhD and the University of Chicago’s first Moore Inventor Fellowship to Joshua Weinstein, PhD.

Joining the Section of Genetic Medicine in FY21 was Dr. Roshini Roy-Chowdhury, PhD. Dr. Chowdhury’s research centers on understanding the differentiative pathways, cell states, antigen-specificities, and functional specialization of tissue-localized lymphocytes. She is specifically interested in unconventional lymphocytes and uses a suite of genomic, transcriptomic, and proteomic approaches to understand the functional consequences of their enrichment in different tissue localizations in humans. Her lab also focuses on disease modeling using organoid systems to drive mechanistic studies of human pathophysiology.

In FY21, the Section’s research portfolio totaled over $10.0M with the addition of many new awards. Dr. Basu was the recipient of a prestigious NIH Director’s New Innovator (DP2) award to leverage droplet microfluidics, develop physical, chemical and enzymatic lysis methods, and investigate novel molecular biology and sequencing techniques to develop a single-cell microbial genomics pipeline. Joshua Weinstein, PhD was awarded the University of Chicago’s first Moore Inventor Fellowship to develop DNA microscopy which will allow researchers to probe as-yet inaccessible layers of biological complexity. With DNA microscopy, Dr. Weinstein’s research group is creating a new method of imaging that rethinks the idea of a microscope, allowing for a deeper look into the inner workings of living matter. He also received a grant from the Damon Runyon Foundation to utilize a novel DNA microscopy platform for rapid discovery of immunogenic tumor neoantigens, and a recent NIH R01 to study volumetric spatial genetic imaging with DNA microscopy. Mengjie Chen, PhD received a National Science Foundation award to develop statistical methods for intro-tumor heterogeneity studies using sequencing data and a new NIH R01 to develop computational tools for spatial transcriptomic data. Xuanyao Liu, PhD and Sebastian Potts, PhD were the recipients of NIH R35 funding to study the genetic basis and mechanisms of trans gene regulation using statistical methods, and to investigate the mechanisms and determinants of dynamic gene regulation during development and cellular differentiation, respectively. Hae Kyung Im, PhD was recently awarded a grant from the National Institute of Aging to establish the genetic architecture of genome-scale metabolic networks.

In his new leadership role, Dr. Gilad is focusing his efforts on the development and oversight of a strategic and forward-looking core facility to provide state-of-the-art research-informatics services, expert consultation, and flexible models for support of and/or collaboration with BSD faculty; the development of research specialization in medical/informatics including recruitment of critical mass of faculty to drive innovative, impactful research and rigorous scholarship, and the development of an integrated program for the management of biomedical and health data in close collaboration with UCM and the University to generate and disseminate biomedical knowledge and to leverage this knowledge to enhance patient care.

Dr. Gilad is a highly regarded and internationally acclaimed leader in the fields of human genetics, gene regulation, and genome biology. His research focuses on understanding the genetics of complex phenotypes and the potential for personalized medicine using genomic sequencing, genome informatics, and functional genomics tools. In 2005 he joined the faculty of the University of Chicago, Department of Human Genetics. From 2014 to 2018, Dr. Gilad directed the Committee on Genomics and Systems Biology and from 2010 to the present, he has led the Functional Genomics Facility. Driven by a desire to translate basic discovery to improvements in health care, in 2016 Dr. Gilad was appointed as Professor of Medicine and Chief of the Section of Genetic Medicine. In 2017, he was named as Vice Chair for Research and has successfully led a national search for transformational scientists to enhance the Department’s research mission.
In FY21, Jacob Walker, MD, assistant professor of medicine, joined the GPM faculty. His academic interests are focused on the complex care needs of older adults with HIV and educating clinicians and allied health professionals on how to meet the needs of older adults with HIV/AIDS. In FY21 and in collaboration with the Section of Infectious Diseases & Global Health, Dr. Walker led the creation of the HIV & Aging Clinic, making it one of only approximately a dozen geriatric HIV programs in the country.

The inpatient and ambulatory Oncology Palliative Medicine Program continues to grow steadily under the direction of Dr. Malec. Sandy Tun, MD continues to lead collaborative efforts with surgical oncology in improving the care of persons with peritoneal malignancy. The Cardiac Palliative Service has seen growth as it provides support to patients with advanced heart failure, including patients with left ventricular assist devices and on ECMO. Within the outpatient geriatrics programs, the nationally recognized Successful Aging and Frailty Evaluation (SAFE) Clinic (Katherine Thompson, MD and Megan Huisingh-Scheetz, MD, MPH - Co-Directors) 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. This year the Section welcomed Justice Landi, MD, who will conduct geriatric assessments within the transplant nephrology clinic.

During the past year, GPM faculty and fellows provided outstanding care outside the walls of the medical center, and worked the frontline dealing with COVID-19 outcomes in two nursing facilities that they staff, i.e., Montgomery Place (Medical Director Shellie Williams, MD) and Symphony South Shore

Accomplishments and highlights:

• Megan Huisingh-Scheetz, MD - Recipient of the American Geriatrics Society 2021 Arti Hurria Memorial Award for Emerging Investigators in the Subspecialties of Internal Medicine that are focused on the care of older adults
• Stacie Levine, MD - Recipient of the American Academy of Hospice and Palliative Medicine Gerald H. Holman Distinguished Service Award
• Lauren Gleason, MD - Accepted into the Tideswell AGS Emerging Leaders in Aging Program and recipient of the BID 2021 Distinguished Clinician Junior Faculty Award
• Charles Rhee, MD - Selected to serve on a CMS Clinical Expert Workgroup on Heart Failure
• Katherine Thompson, MD - Recipient of the 2021 BID Distinguished Community Senior Faculty Award
• Shellie Williams, MD - Named as a Fellow, American Academy of Hospice & Palliative Medicine; appointed as chair elect of the American Academy of Hospice & Palliative Medicine Black Professionals Special Interest Group
• Lauren Gleason, MD, Megan Huisingh-Scheetz, MD and Monica Malec, MD - Named as Scholar of the Center for Healthcare Delivery and Science Scholars
• Stacie Levine, MD and Monica Malec, MD - Named as Top Doctors and Exceptional Women in Medicine by Chicago magazine (2021)

Research efforts by GPM faculty and staff are supported by a variety of external sources and include investigations that range from important geriatrics syndromes to ethics and end of life care. New grants in FY21 include funding to Dr. Thompson from HRSA for a COVID-19 related training award in support of Geriatrics Workforce Enhancement Program/SHARE Network (COVID-19 Response) and an NIH R01 award on improving Chicago older adult opioid and pain management through patient-centered clinical decision support and project ECHO (I-COPE). Dr. Huisingh-Scheetz received an NIA K23 COVID-19 hardship supplement to continue her work in early frailty biomarkers and measuring patterns of activity and energy expenditure.

Within the Section’s educational programs, the Hospice and Palliative Medicine Fellowship (Charles Rhee, MD - Director) and Geriatric Medicine Fellowship (Katherine Thompson, MD - Program Director) established a new combined ACGME accredited Geriatrics and Palliative Medicine Fellowship Program. Dr. Tun coordinated advance care planning corporate training events nationwide in partnership with SHARE network and Oak Street Health. Dr. Levine was awarded bridge funding for continuation of the Coleman Palliative Medicine Training Program and to develop a primary palliative care education program to improve access for patients with cancer. The SHARE Network under the direction of Dr. Thompson continues to expand efforts to educate clinicians, patients and families within the community on best practices to support and care for older adults. Dr. Gleason is implementing clinical quality improvement and education initiatives to transform UCH into an Age-Friendly Health System. Dr. Walker participated in the American Academy of HIV Medicine’s “Intensive Course in HIV & Aging” which provides a select group of participants with a unique opportunity for hands-on learning that will improve their ability to care for older adults with HIV. Within the Pritzker School of Medicine Dr. Kostas directed the interprofessional clerkship rotation for MS2.

Skilled Nursing and Rehabilitation facilities (Medical Directors Drs. Lauren Gleason and Stacie Levine), in the outpatient arena, Tia Kostas, MD, alongside clinic leadership, quickly developed telehealth options during the shutdown and implemented safety protocols for in-person visits. Dr. Malec worked closely with the team’s advance practice providers and Emergency Medicine to provide palliative care to patients and families who were affected most severely by COVID-19.

Section of Geriatrics & Palliative Medicine
In October 2020, Sonali M. Smith, Elwood V. Jensen Professor, was named as Chief of the Section of Hematology/Oncology and Co-Leader of the Cancer Service Line. Dr. Smith is an internationally recognized expert in lymphoma therapeutics with contributions in clinical care, education and clinical research. As Director of the Lymphoma Program for the University of Chicago Medicine (UChicago) for a decade, her clinical research interests are in the development of new agents and rational combinations in the management of both treatment-naïve and relapsed/refractory lymphomas.

Dr. Smith serves in a number of leadership positions with national and international visibility. She is Vice-Chair of the Southwest Oncology Group (SWOG) Lymphoma Committee where she oversees clinical trial development at the cooperative group level. She was elected as a Fellow of the American Society of Oncology (ASCO) in 2019, and was awarded the 2021 ASCO Excellence in Teaching Award. She is also the current Chair of the Scientific Committee for the 2022 ASCO Annual Meeting. She is an Associate Editor for Haematologica, the world's oldest journal on blood disorders, and is a member of the National Cancer Institute’s Lymphoma Steering Committee. In June 2021, she started her two-year term as chair of the Scientific Advisory Board for the Lymphoma Research Foundation, the first woman to hold that position. Dr. Smith has chaired and organized the International John Lennard-Schönberg Chicago Lymphoma Symposium, now in its 19th year. As a scholar, she has published over 200 publications and lectures extensively nationally and internationally.

In FY21 the Section welcomed four new faculty to the Sections: At the professor level, Jing Chen, PhD, was appointed as Director of Oncology for the Clinical Research Program Core. Peter Riedell, MD serves as Associate Director for Advanced Cellular Therapeutics Facility (ACTF), and Wickrema, PhD serves as Associate Director for the Center for Cellular Therapy with increased capacity for manufacturing cells for existing therapies, and new capabilities for processing and manufacturing new types of cellular therapy products for treating blood cancers and benign conditions. Within the Center, Justin Klimek, MD serves as Associate Director for Basic and Translational Research in the Section of Hematology/Oncology. Dr. Chen also established the first Cancer Metabolomics Research Center which will study the interplay between metabolic and cell signaling networks in order to understand the impact on tumorigenesis, tumor progression, and response to anti-cancer therapies. (see Faculty Highlight page 9). Marina Garassino, MD is an international expert in lung cancer, and now leads the Thoracic Oncology Program. She is a leading investigator on the impact of COVID-19 on patients with lung cancer, with a high-impact publication entitled TERAVolt in Lancet Oncology (see Faculty Highlight page 7). Junior faculty who joined the Section were Benjamin Derman, MD and Adam Duvall, MD. Dr. Derman’s academic interests center on plasma cell malignancies, with a particular interest in the role of minimal residual disease in clinical management. Dr. Duvall, fellowship-trained in both pediatric and adult hematology/oncology is interested in the development of a multidisciplinary program for all AYA cancers, including but also extending work in the hematologic malignancies.

Within the clinical programs, the Section has continued to provide innovative patient care, and expansion to network sites. The Section was once again recognized by US News as one of the top cancer programs in the nation (July, 2021) and over two dozen faculty were recognized as “Top Cancer Doctors” by Chicago magazine (January, 2022). Noteworthy in FY21 was the launch of the Multi-disciplinary Neuroendocrine Tumor Clinic by Dr. Chih-Yi (Andy) Liao, the first of its kind in the Chicagoland area and the creation of a Post-COVID-19 Clinical in collaboration with General Internal Medicine to serve and study patients with lasting effects of COVID-19 infections under the leadership of Mark Ratain, MD.

Under the direction of Michael Bishop, MD, the Cellular Therapy and Transplant Program achieved the highest CBMRN clinical outcomes results in program history, the highest overall for the city of Chicago, and the highest as compared to projected outcomes in the city of Chicago. The Program also had the highest number of transplants and cell therapy products delivered in its history out performing FY20 volume with 46% growth despite the pandemic, and is the first center in Illinois to offer all commercially-approved CAR-T products. In FY20, the Center was formally named as the David and Etta Jonas Center for Cellular Therapy with increased capacity for manufacturing cells for existing therapies, and new capabilities for processing and manufacturing new types of cellular therapy products for treating blood cancers and benign conditions. Within the Center, Justin Klimek, MD serves as Associate Director for Basic and Translational Research, Amitha Wickrema, PhD serves as Associate Director for the Advanced Cellular Therapeutics Facility (ACTF), and Peter Riedell, MD serves as Associate Director for the Clinical Research Program Core.

In network expansion efforts, Blaise Polite, MD was appointed as Director of Oncology for the clinically integrated network, and works closely with the Cancer Service Line and the Biological Sciences Division to strengthen a true collaborative culture for network sites.

The Section maintains a very strong and successful program in basic, translational and clinical research. In FY21 section faculty were awarded approximately $17M in total cost grant funding with an additional $17M in clinical trial earnings. In FY21, Dr. Chen was awarded two new NIH R01 grants and a UCCCC Team Science Grant that are broadly focused on the interplay between metabolism-related mechanisms, signaling pathways, and the tumor microenvironment in hematologic malignancies.

• Olufumilayo Olopade, MD – Elected to the National Academy of Sciences, received the Susan G. Komen Leadership Grant (Translating Breast Cancer Genetics in the Clinic) and was named to Giants of Cancer Care
• Daniel Catenacci, MD – Recipient of the National Cancer Institute (NCI) 2021 Cancer Clinical Investigator Team Leadership Award
• Eileen Dolan, PhD – Recipient of the 2021 BCD Distinguished Leader Award in Diversity and Inclusion
• Michelle La Beau, PhD (Emeritus) – Recipient of the 2021 Michael Riese Leadership Award and the Gold Key Award from the Biological Sciences Division
• Philip Hoffman, MD – Named as chair of Oncology Drugs Advisory Committee, FDA and recipient of the Department of Medicine Distinguished Service Award

Dr. Sonali M. Smith

Dr. Jing Chen

Dr. Maria Garassino

Dr. Benjamin Derman

Dr. Adam Duvall

Dr. Michael Bishop

Dr. Marina Garassino

Dr. Jing Chen

Dr. Sonali M. Smith

Dr. Adam Duvall

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In FY21, the Section continued to expand its clinical trial activity, accruing 768 patients in Hyde Park and throughout the network into therapeutic trials. During the COVID-19 pandemic, Walter Stadler, MD in his role as Dean for Clinical Research, worked to rapidly operationalize guidance and policies for the clinical research community, integration of e-consent platforms and training, direct to patient investigational drug distribution for oral agents, and supported the development of 8 COVID-related datamarts supporting over 104 individual researchers. In addition, he worked with Christopher Daugherty, MD (IRB Chair) to fast track 139 individual COVID-19 research protocols, 16 treatment studies, and 3 vaccine trials that enrolled over 870 subjects of whom over 60% were minority populations.

Under the direction of Kenneth Cohen, MD the Section continues to run a highly successful fellowship program. The 7 fellows selected annually typically come from the highest ranked residency training programs. The Chicago EYES on Cancer Program (Eileen Dolan, PhD- Director), a cancer research training program for high school and college students, and the T32 Training grants and one K2 grant supporting development of oncology leaders across the learner spectrum.

With leadership by 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). During the COVID-19 pandemic HM helped lead the COVID-19 response by providing excellent clinical care to the majority of hospitalized COVID-19 patients, along with related education and leadership, while continuing to grow and expand other inpatient services. HM faculty also conducted novel COVID-19 related research resulting in a $1.7M award to study the effects of vitamin D on COVID-19 outcomes and a high impact paper in JAMA, 2020 with over 370,000 online views to date and an altmetrics of over 3000, putting it in the top 1000 of scientific papers ever ranked.

In FY21, Gilmer Rodriguez, MD joined the HM faculty as an assistant professor of medicine. His academic interests include telemedicine, patient safety and patient, and plans to create a Telehealth Post-Discharge Clinic (Program) to improve continuity of care.

In FY21, HM faculty implemented innovations and improvements to the electronic health record (EHR) system, EPIC, resulting in more efficient workflows for hundreds of providers and better quality documentation and processes. Since its launch in October 2018, the Clinical Pathway Program has developed and implemented over 70 integrated clinical pathways. Cheng Kai Kao, MD, Associate Chief Medical Information Officer, led the development, implementation, and evaluation of the integrated clinical pathway (ICP) program at UCM.

Hospital Medicine was integral in planning and implementing management of COVID-19 patients. From the beginning of COVID-19, HM providers volunteered to be on the front lines of the COVID-19 unit, caring for and discharging more than 1,100 COVID+ patients. HM contributed to the staffing of the COVID-19 inpatient unit from its onset until the day it was decommissioned. At the peak of COVID-19, 9 hospitalists provided 24/7 coverage for the majority of the non-ICU COVID-19 patients, including caring for high oxygen requiring patients that would typically be in the ICU to help offload the ICU burden of COVID-19 patients. HM providers also provided clinical care and taught residents on dedicated COVID-19 teams at Mercy Hospital.

The Section also led efforts in forming the admission order sets and inpatient treatment pathways, and were integral in creating and reviewing several floor protocols for COVID patients, including an early proning protocol. The COVID-19 pandemic has required healthcare systems to meet new demands for rapid information dissemination and practice change. To address these challenges, Section leaders developed a suite of over twenty COVID-19 specific integrated clinical pathways (ICPs) in the EHR addressing triage, diagnosis, and management of COVID-19 in diverse patient settings, averaging over 450 user interactions per day and 340 unique pa.
tient encounters where orders are placed a day. Cumulatively, over 127,000 pathway views and 137,000 resource pager and Scarce Resource Allocation teams. Several Hospitalists worked on the COVID development of the Dr. Cart response for COVID and hospital administrators for the management of clinicians in 129,182 unique encounters. These ICPs is isolation precautions, testing and treatment directly from the pathway interface into the EHR. Since the beginning of the pandemic, these COVID-19 ICPs have been accessed 202,458 times by 3,886 clinicians in 129,182 unique encounters. These ICPs continue to be a critical tool leveraged by clinicians and hospital administrators for the management of COVID-19 at UCM. The Section also aided with the development of the Dr. Cart response for COVID teams. Several Hospitalists worked on the COVID resource pager and the Scarce Resource Allocation Triage Team.

The Section’s research portfolio consisted of over $2 million in extramural funding in FY21 and in the midst of the pandemic, the Section published high impact papers on the effects of vitamin D on COVID-19, physical distancing in the hospital, virtual education during the crisis, the role of hazard pay, and laid the groundwork to continue to collaborate and publish continued work on the long-term effects of COVID-19 on the population. New grants received by Dr. Meltzer included a P30 center grant entitled “Center for Health Aging Behaviors and Longitudinal Investigations (CHABLES)” to create and promote a sustained research and infrastructure development program that leverages longitudinal data to examine how demographic and economic factors facilitate or suppress individual healthy aging behaviors and, in turn, influence outcomes among older adults over the life course; a new $3M award from Patient-Centered Outcomes Research Institute (PCORI) and a CTM supplement for $1.7M from Patient-Centered Outcomes Research and Infrastructure Development (CPDM) from Mercy Hospital; appointed to Performance Measurement and Review Committee for Patient-Centered Outcomes Research and Infrastructure Development (CPDM) from Mercy Hospital; appointed to the NCHS Research Committee.

Dr. Matthew Cerasale, MD

Dr. Matthew Cerasale, MD, MPH

JoAnn Cimino, MD, MPH

Robert Gibbons, PhD

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Sandeep Tamakar, MD

Marc Rose, MD

Katherine Vivona, MD

Rebecca Wilcox, MD

Joe Vasudeva, MD

Matthew Rodeheffer, MD

Tina Zhu, MD

ACCOMPLISHMENTS AND HIGHLIGHTS:

• David Meltzer, MD, PhD - Appointed to the National Academies Committee on Building Data Capacity for Patient-Centered Outcomes Research

• Matthew Cerasale, MD - Awarded the 2020 General Internal Medicine Teaching Attending of the Year from Mercy Hospital; appointed to Performance Measurement and Review Committee for the Society of Hospital Medicine (SHM)

• John Yoon, MD - Recipient of the 2020 George F. O’Brien Award for Outstanding Contributions to Medicine Mercy IM Housestaff

• Maylin Martinez, MD - Appointed as Deputy Director of the University of Chicago US Cochrane Network Affiliate

• Micah Prochaska, MD - Appointed Assistant Director of MacLean Center for Clinical and Medical Ethics; received Fellow in Hospital Medicine Distinction from Society of Hospital Medicine (SHM); appointed to Ethics Committee at Society of General Internal Medicine; appointed to the SHM Research Committee

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CLINICAL SCHOLARS AND ASSOCIATES:

SECTION ADMINISTRATOR

Rebecca Schuler, MPH

+New FY22 faculty

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On July 1, 2021, Jennifer Pisano, MD, associate professor of medicine, assumed interim leadership of the Section of Infectious Disease & Global Health (IDGH) following the retirement of David Pitrak, MD who served as chief for 19 years. Dr. Pisano has broad expertise in all areas of infectious diseases, and serves in key leadership roles within the University of Chicago Medicine (UCM), including medical director of the Antimicrobial Stewardship Program (ASP). Dr. Pisano received her MD at Rush Medical College in 2005 and completed her internal medicine residency, infectious diseases fellowship and advanced fellowship training in infectious diseases/transplant infectious diseases at the University of Chicago. She is a graduate of the Infectious Diseases Society of America (IDSA) Leadership Program, one of 30 ID physicians invited to participate in the inaugural IDSA Leadership Institute training program. Dr. Pisano’s research is focused on leveraging the electronic medical record to optimize antibiotic prescribing and identify high-risk antibiotic interventions. She served on the Antimicrobial Stewardship Committee for the Society for Healthcare Epidemiology of America and as the Healthcare Epidemiology of America’s liaison for American Transplantation Society’s white paper on advanced fellowship training in infectious diseases/transplant infectious diseases.

In FY21 the IDGH section contributed immensely to the institution’s response to the COVID-19 pandemic. Emily Landon, MD, Stephen Weiner, MD and Dr. Pisano played key roles in pandemic planning and implementation for UCM as members of the Hospital Incident Command System (HICS) team. Additionally, Drs. Landon and Weiner were influential in developing the plans for the State of Illinois. Jon Lio, MD and Moira McNulty, MD managed the callback program for COVID-19 positive inpatients and supervised the safe clearance of patients under investigation (EUA) for COVID-19. They were at risk for severe disease. Other faculty members, advanced practice providers, and fellows were involved in clinical care, including the management of COVID-19 patients, as well as continuing to provide care for the other patients through the consultative services.

During the rapid implementation of the COVID-19 pandemic, IDGH contributed to the prioritization of patients for COVID-19 vaccination; always mindful of the minority populations on the South Side who were disproportionately affected by the pandemic. The Section joined the COVID-19 Prevention Network (CoVPN) to conduct the Moderna mRNA 1273 vaccine study and remdesivir trials with Kate Mullane, DO as PI. The site was highly successful in the safe clearance of patients under investigation for COVID-19, in addition to continuing her trials of new therapies for immune-compromised patients. Drs. Pho and Schneider received a $5 million grant for “Community Network-driven COVID-19 Testing of Vulnerable Populations in the Central US (E3)” that aims to implement and evaluate a COVID-19 testing approach that combines social network testing with community developed COVID-19 public health messages. Anna Motton, PhD received federal funding to model the impact of social determinants of health on COVID-19 transmission and mortality to understand health inequities. Renstow Shiner, MD received an award from HHS to conduct HIV-2019 training sessions in the 10 state MATEC region.

Within the Section, the Chicago Center for HIV Elimination (John’s Schneider and David Pitrak, co-directors) provides care for HIV-infected patients, as well as screening, prevention education treatment for pediatric HIV patients who are transitioning to adult care and post-partum care for HIV-infected women and their exposed children. With continuous funding from the CDFH since 2011, Dr. Pitrak continued to focus his efforts on expanded HIV testing and linkage to care (X-LTC) for disproportionately affected populations in healthcare settings at UCM and at 12 other sites on the South and West Sides of Chicago. Drs. Pitrak, Schneider, and Rossebund (Peids ISD) serve as co-PIs for the new CDFH-funded South Side Health Home (S2H2). Dr. Mai Pho’s HCV testing and linkage to care efforts are ongoing.

In FY21, the Section’s research portfolio continued to expand totaling over $12M. New awards include Dr. Schneider’s NIH U2 to develop a Methodology and Promising Host, and 2 Advanced Practice consult services. The Section maintained the Outpatient Antibiotic Therapy Program, a joint effort between the Antimicrobial Stewardship Program, Pharmacy and the Section, that includes follow-up of patients seen in consultation who are discharged on IV antibiotic therapy. Under the direction of Dr. Pitrak, ASP continues to make great contributions to the medical center by assuring appropriate antimicrobial use at UCM, not only through day to day review of antibiotic usage, but also innovative education efforts aimed at both physicians and patients. Under the direction of Dr. Landon, the Infection Control Program continues to meet all its goals with respect to hand hygiene, central line sepsis, bloodstream infections, and catheter associated UTI, and continues to combat C. difficile infection in the hospital. These accomplishments contribute significantly to the UCM’s perennial A rating from the Leapfrog Group.

In the educational arena, IDGH faculty presented at a number of UCM’s town hall meetings and to the Board of Directors related to COVID-19 and the vaccines. Dr. Pisano and Dr. Schrantz were key faculty for ECHO-Chicago, COVID-19 in Adults, engaging with hundreds of participants biweekly over the course of 15 months to discuss the evolving management of COVID-19. The Wuhan University Medical Education Reform (WUMER) Project, (Sherer, Emily Landon, MD, Director and Associate Director, Jon Lio, MD) is now in its eleventh year, continues to load faculty development, undergraduate curriculum improvement, and residency training at Wuhan University. Over sixty UIC faculty members and trainees have visited Wuhan University to participate in the program. This international collaboration has resulted in the publication of 38 papers and one book on medical education reform at Wuhan University. In addition, the WUMER Project has managed a residency exchange with the Peking Union Medical College Hospital in Beijing for the past 5 years involving the departments of Surgery, Medicine, and Pediatrics. Since 2019, the International Medical Educators Program (IMEP) has trained 20 graduate medical education directors in China from Wuhan University, Sun Yat Sen, and the Peking Union Medical College Hospital annually.
In FY21, three new faculty joined the Section at the rank of assistant professor. Samantha Gunning, MD is focusing on advanced chronic kidney disease to facilitate patients receiving home dialysis care and is completing her MPH with a specific focus on acute kidney injury in the setting of advanced cardiopulmonary IBI support; Sambhavi Krishnamoorthy, MD is improving access to transplant education in CKD 4 and CKD 5 patients with highlighting the benefits of preemptive iviv kidney transplantation; Yousuf Kyeso, MD is focused on noninvasive monitoring of kidney transplant injury and studying long term outcomes of multi-organ transplant recipients.

Within the clinical programs, the Section continued to provide outstanding inpatient kidney care to patients with cancer, heart and liver problems with excellent patient outcomes for 30 day survival and discharge-to-home that are significantly better than the national average. Kidney transplants in FY21 increased 54% compared to FY20 with living donors increasing from 19 to 29 and deceased donors increasing from 75 to 113. In new initiatives, Dr. Samantha Gunning is leading a Translational Care Unit, providing tailored treatments for patients new to dialysis, with more frequent provider interaction and a patient-centric education curriculum. Working with the Primary Care Group and Gastroics, Drs. Gunning and Bharathi Reddy have begun a targeted program geared towards patients with late stage chronic kidney disease (CKD4 and CKD5). The Section’s response to the COVID-19 pandemic was noteworthy. Several of faculty and fellows volunteered for inpatient floor and ICU COVID-19 coverage with privileges being given to advanced fellows. Special attention was given to the care of transplant patients and the placement of patients requiring dialysis. Updated best practices for renal ICU patients and urine microscopy were detailed and quickly communicated. During the pandemic, the outpatient dialysis providers continued to work directly with patients who arrived at the units from the community three times a week.

The Section of Nephrology is proud of its innovative bench, translational and patient oriented investigations in polycystic kidney disease, acute kidney injury, epithelial cell transport, growth, and gene expression, and the pathophysiology of kidney stone formation. Hatim Hassan, MD, PhD continues his NIH funded work focused on elucidating the molecular mechanisms regulating intestinal oxalate transport and developing a novel drug delivery system to enable an oral peptide-based drug for kidney stones. Dr. Chapman continued her investigations on identifying biomarkers in PKD. New in FY21 was an institutional CTSA pilot award to Megan Prochaska, MD to investigate how bariatric surgery leads to increased kidney stone risk.

The Nephrology Fellowship Program (Anna Zisman, MD - Program Director) successfully recruited four outstanding fellows for FY22, including trainees from the Department’s residency program. Other educational highlights include the receipt of a new U2C/N2: Nephrology Ultrasound and Hematology Training Program Award that includes six Chicago institutions with funding for 5 predoctoral and 5 postdoctoral positions, starting July 1st, 2021. Dr. Hassan received funding for 9 summer research fellowships from the Biological Sciences Collegiate Division to support students interested in conducting 10 weeks of research in pathophysiology, biology, and bioenergetics of renal diseases under the supervision of a faculty mentor.

• Arlene Chapman, MD - Recipient of the Lillian Jean Kaplan International Prize for excellence and leadership in Polycystic Kidney Disease
• Hatim Hassan, MD, PhD - Selected as one of the Illinois Science and Technology Coalition’s “Researchers to Know” under the category of “Fighting Disease” for his research on oxalate and kidney stone formation in relation to gut bacteria
• Michelle Josephson, MD - Elected council member of the American Society of Nephrology
• Ben Ko, MD - Joined the ASN’s Workforce and Training Committee

• Tipu Puri, MD, PhD - Appointed as UCM’s Associate Chief Medical Officer for University of Chicago Medicine
• Bharathi Reddy, MD - Elected to the Board of Directors for ESRD Network 10
• Nicole Stanisius, MD - Joined the ASN’s Nephrologists Transforming Dialysis Safety – Human Factors Workgroup
• Anna Zisman, MD - Recipient of the BSD Distinquished Leader in Program Innovation Award
Pulmonary/ Critical Care Medicine

Led by Gökhan Mutlu, MD, the Section of Pulmonary and Critical Care Medicine (P/CC) continued its excellence in patient care, education, and research. Highlights from FY21 include the addition of 4 physician-scientists and an interventional pulmonary expert; improved standing in the US News and World Report 2021-22 Best Hospitals ranking at #45, and significant growth in research funding. In addition, the Section made substantial contributions during COVID-19 pandemic with expanded ICU services as well as significant research and scholarly work.

In FY21, five faculty at the rank of assistant professor joined the Section. Ayodeji Adegunsoye, MD studies the role of genetics in interstitial lung disease to improve disease classification and clinical outcomes. William F. Parker, MD focused his work on machine learning and artificial intelligence to create a fast and efficient allocation system for scarce healthcare resources. He has recently successfully applied his skills to resource allocation in COVID-19. Nathan Schoettler, MD, PhD utilizes his expertise in immunology and genetics/genomics studying to study the role of T-cells in asthma. Ajay Wagh, MD is an expert in interventional pulmonary with interest in solitary pulmonary nodules. David Wu, MD, PhD conducts cutting edge basic research by combining cellular metabolism with flow sensing to understand the mechanisms of vascular dysfunction and disease.

Clinically, outpatient clinical volume has recovered from COVID-19 and grown further in part due to continued telehealth visits. With the recruitment of Dr. Wagh the Interventional Pulmonary Program co-led by Septimiu Murgu, MD and Kyle Hogarth, MD continues to be the largest program in Chicago area. Under the leadership of Dr. Wagh, the Section established the virtual solitary Pulmonary Nodule Clinic to increase patient access. Under the leadership of Mary Shreer, MD, the Interstitial Lung Disease (ILD) Program is recognized as a Pulmonary Fibrosis Foundation Care Center and remains one of the top programs nationally. On the inpatient side, the census in ICU has grown by 50% necessitating the initiation of a third MICU service to support the two MICU teams. Lastly a new clinic and home sleep program was established in the River East clinic. The Section’s robust research program had another successful year securing extramural support.

On the educational front, the Section’s faculty continue to lead in teaching and training. The T32 training program co-led by Dr. Hogarth and Julian Solway, MD, entered its 36th year. The pulmonary and critical care fellowship program director, Jason Poston, MD received the Favorite Faculty Award from the Pritzker School of Medicine graduating students for the ninth year in a row. The Section continues to recruit outstanding fellows into their three fellowship programs: pulmonary and critical care medicine, sleep medicine and interventional pulmonary medicine. The majority of graduates of the pulmonary and critical care fellowship program continue to remain in academic medicine.

ACCOMPLISHMENTS AND HIGHLIGHTS:

- Yun Fang, PhD - Selected for the B. Lowell Lange Vascular Biology Lectureship at the University of Toronto
- Kyle Hogarth, MD - Received the ACCP Distinquished Chest Educator designation; appointed to the Medical and Scientific Advisory Committee of Alpha One Foundation
- Septimiu Murgu, MD - Served as Chair, CHEST education committee, and appointed as president-elect of American Association for Bronchology & Interventional Pulmonology
- Julian Solway, MD - Launched the ITM’s The New Normal (TNM) Campaign; elected to serve as Treasurer, Association for Clinical and Translational Science; recipient of the Department of Medicine’s 2021 Distinguished Service Award.

The Section’s robust research program secured extramural support in FY21. The Section’s faculty and fellows staffed these ICU’s in addition to the ICUs. In addition, P/CC faculty participated in committees that were formed in response to COVID-19 including committees that addressed the allocation of scarce resources, medical and non-medical management of COVID-19, achieving equity in vaccination, and assessment for COVID-19 related sequelae after discharge and their management.

Dr. Wu received the R00 portion of his K99/R00 award to study the role of endothelial metabolism in proinflammatory blood types such as seen in sepsis and acute lung injury. Dr. Schoettler received a K08 award to elucidate the role of genetic variation in regulating the expression of genes in specific lung cell types such as T-cells that play a critical role in asthma. Bhakti Patel, MD award-ed a K23 to apply precision medicine to identify patients who are most likely to benefit from early mobilization and elucidate how it can be implemented successfully to extend the benefits of early mobilization to patients at risk for long-term disability. Nicolai Dalin, PhD, received an R01 grant to study the role anoctamin-1/TLR4/NLRP3A in TGFi-β-induced proliferation and differentiation of lung fibroblasts to myofibroblasts. Steve White, MD received an R21 award to study the IL-6 high phenotype in childhood asthma. In a collaborative work between U Chicago, Northwestern and UIC, Dr. Mutlu received the Chicago Biomedical Consortium Award to study the mechanisms that predispose individuals with severe COVID-19 to the development of pulmonary fibrosis.
The Section of Rheumatology, led by Marcus Clark, MD, continued its tradition of clinical excellence, innovative research and outstanding clinical training focused on understanding autoimmunity with the goal of improving the care of those afflicted with diseases such as lupus, rheumatoid arthritis, and vasculitis. In the past year, Section faculty contributed to major advancements in the field of immunology as well as COVID-19 research that have the potential to translate into cutting edge treatments for those suffering from autoimmune diseases and COVID-19.

The Section continues to build on robust and integrated programs in lupus (Drs. Kichul Ko and Kimberly Trotter), polymyositis and interstitial lung disease (Drs. Iazsmin Ventura and James Curran) and inflammatory arthritis including an ultrasound center (Reem Jan, MD). The clinical efforts in polymyositis are complemented by a translational investigative program led by Vladimir Liarski, MD to understand the in situ immune response driving local muscle damage. A newly evolving area in rheumatology is the broad spectrum of autoimmune and inflammatory complications that arise from immunotherapy for cancer, immune-related adverse events (irAEs). This effort is led by Pankti Reid, MD who has developed dedicated irAE clinics and a streamlined inpatient irAE consult service. These clinical service lines are complemented by clinical trials which offer patients access to novel therapies for difficult to treat diseases especially lupus and irAEs. Clinical trials are pursued novel ways to modulate immunity to treat human disease. These efforts included cutting edge trials in lupus, clinical research into the pathophysiology of immunotherapy-related adverse events and a randomized control trial of low dose tocilizumab in the treatment of COVID-19.

The Section continues to be a highly productive research enterprise with nearly $9M in extramural funding and several high-impact publications in Immunity, Nature Immunology and the Journal of Clinical Investigation. New grants in FY21 included an NIH R01 awarded to Dr. Clark to study the role of CXCR4 in immunoglobulin light chain recombination as well as an Alliance for Lupus Research Award to investigate in situ adaptive immunity in lupus tubulointerstitial inflammation. Fotini Gounari, PhD also received an NIH R01 to explore the epigenetic mechanisms of carcinogenesis by commensal viruses.

The Section of Rheumatology made several notable contributions to the understanding of the immune response to COVID-19 and to the role of the immune system in disease. This work is supported by several new grants. Two efforts are particularly notable. Dr. Wilson, in an extensive series of elegant studies, demonstrated how infection with SARS-CoV-2 can select for a humoral response largely driven by non-neutralizing viral epitopes. In contrast, vaccines are much more effective in driving effective, neutralizing immunity. These data provide a compelling rationale for vaccine use even in those previously infected with SARS-CoV-2. Also, this last year Dr. Reid launched a phase two clinical trial of low dose tocilizumab in the treatment of COVID-19 patients (COVIDOSE2) to determine if early use can mitigate the subsequent cytokine release syndrome.

The Section’s fellowship program has been selected for the American College of Rheumatology’s Fellowship Training Award for FY22, for the 6th time in 7 years, in recognition of the outstanding clinical and academic quality and success of the training program. In other educational initiatives, Dr. Reid is piloting the IrAE teaching clinic and adjunct medical education research through University of Chicago’s Medical Education Research, Innovation, Teaching, and Scholarship (MERITS) Program. The Section continues to be the home of the NIH Medical Scientist Training Program, now in its 55th year.
### Second Year Residents

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<tr>
<th>NAME</th>
<th>PGY LEVEL</th>
<th>MEDICAL SCHOOL ATTENDED</th>
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<tr>
<td>Anne Catlin</td>
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<td>Michael Clarke</td>
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<td>Naheed Dashti</td>
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<td>Dylan Douglas</td>
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<td>Ellis Green</td>
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<td>Nikhil Gupta</td>
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<td>Ashley Lu</td>
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<td>Olivia Lanzo</td>
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<td>Justin Siporos</td>
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<td>Elena Michaelis</td>
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<td>Muhammad Mire</td>
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<td>Maghan O'Hare</td>
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### Physician Scientist Development Program

- **Kevin Kayden**: University of Illinois, Honors Program in Translational Medicine
- **Margaret Marra** : Tulane University, Tulane University School of Medicine
- **Daniel Pelte**: Loyola University, Loyola University Stritch School of Medicine
- **Frank Wenz**: University of Chicago School of Medicine
- **Vivek Bhathara**: University of Pennsylvania, University of Pennsylvania School of Medicine
- **Kos COMMON**: Medical University of South Carolina, Medical University of South Carolina
- **Kim Caro** : Loyola University Stritch School of Medicine
- **Wong Guo** : Johns Hopkins University, Johns Hopkins University School of Medicine
- **Sahfrican Imran**: Loyola University, Loyola University Stritch School of Medicine
- **Arica Cooper** : Case Western Reserve University

### Dermatology Residents

- **Margaret Boyle**: Saint Louis University, Washington University School of Medicine
- **Margaret Mihali (nee Devy)** : University of Chicago, University of Chicago Pritzker School of Medicine
- **Erik Stark**: N Saint Louis University, Saint Louis University School of Medicine
- **Erik Miller**: N Saint Louis University, Saint Louis University School of Medicine

### Second Year Residents

- **Scott Blink**: Medical College of Wisconsin
- **Janel Lauritzen**: Northwestern University
- **Manuel Marulanda-Castro II**: Universidad de la Sabana Facultad de Medicina

### First Year Residents

- **Brooks Cal**: Thomas Jefferson University

### Emergency Medicine Residents

#### Third Year Residents

- **Robert Adolph**: Emory University
- **Kate Andranian**: University of Vermont
- ** announce Chodros**: Washington University School of Medicine
- **Abigail Clark-Douglas**: University of Rochester
- **Ryan Thellem**: Indiana University
- **Ahmed Fost**: University of Wisconsin
- **Muhammad Faruq**: Northwestern University
- **Kris Adams**: University of California, San Francisco
- **Gary Meashon**: University of Chicago
- **Alayna Potter**: University of Washington
- **Sherri Jann**: University of Michigan
- **Curet Smith**: University of Chicago
- **Nina Smith**: Morehouse Medical College
- **Furkan Suvera**: Duke University
- **Lame Gable**: University of Colorado

#### Second Year Residents

- **Dawson August**: University of Illinois
- **Derek Anderson**: Howard University
- **Morgan Bartling**: University of Arizona
- **Benjamin Beamer**: University of Chicago
- **Sandra Coker**: University of Texas
- **Eric Conner**: Rutgers New Jersey Medical School
- **Donal Conlon**: University of Virginia
- **Thomas Fennie**: University of California, San Diego
- **Brenna Fokos**: Emory University
- **Kermit Parson**: University of Washington
- **Mark Packman**: University of Chicago
- **Michael McGinley**: Brown University
- **Taylor Potchenski**: Loyola University
- **Heather Ramie**: University of Southwestern Louisiana
- **Ernest Roche**: Michigan State University
- **Angie Gourn**: University of Miami

#### First Year Residents

- **Alicia Anderson**: Temple University
- **Nicole Baim**: University of Illinois
- **Emmanuel Cardoso**: University of California, Los Angeles
- **Sarah Collins**: University of Chicago
- **Ichino Harimur** : Michigan State University
- **Jordan Kendig**: University of Southern California
- **Catherine Kapp**: Vanderbilt
- **Cecilia Johnson-San**: University of Colorado
### Clinical Cardiac Electrophysiology

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<tr>
<td>Christopher Peters</td>
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### Advanced Heart Failure

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### Dermatopathology

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<td>Kevork B. Khoury</td>
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### Emergency Medicine

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### Endocrinology, Diabetes and Metabolism

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### Gastroenterology, Hepatology and Nutrition

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### Infectious Diseases & Global Health

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### Sleep Medicine

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### Interventional Radiology

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### Interventional Cardiovascular Diseases

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RESIDENT AND FELLOWS PROGRAM GRADUATES FY21

Internal Medicine

- Jonathan Stoddard: Gastroenterology Fellow - University of Illinois at Chicago
- David Ucko: Cardiology Fellow - Northwestern University
- Sonya Mccormick: Allergy Fellow - University of Chicago
- Manu Patel: Hematology/Oncology Fellow - Northwestern University
- Christian Hunger: Internal Medicine Fellow - University of Illinois at Chicago
- Julia Datta: Critical Care Medicine Fellow - University of Chicago
- Sajitha Mathew: Dermatology Fellow - Northwestern University
- Abhinav Arora: Hematology Fellow - University of Chicago
- Jennifer Cooperstein: Cardiology Fellow - University of Chicago
- Jacob Hamer: Hematology Fellow - University of Chicago
- Alan Huttman: Gastroenterology Fellow - University of Chicago
- Khee Liang: Oncology Fellow - University of Chicago
- Jonathan Leuschner: Anesthesiology Fellow - University of Chicago
- Nupur Misra: Neuroradiology Fellow - University of Chicago
- Shrilekha Obulak: Hematology Fellow - University of Chicago
- Hannah Roth: Gastroenterology Fellow - University of Chicago
- Samantha Seavey: Dermatology Fellow - University of Chicago
- Umar Shekhi: Hematology/Pediatrics Fellow - University of Chicago

Cardiology

- Joseph Weber: Cardiology Fellow - University of Chicago
- Michael Zhang: Radiology Resident - University of Chicago
- Marie Dever: Cardiology Fellow - University of Chicago
- Michael Jadwin: Cardiology Fellow - University of Chicago
- Ross McMillan: Critical Care Medicine Fellow - University of Chicago
- Kathleen Wiley: Cardiology Fellow - University of Chicago
- Dennis Annette Wong: Cardiology Fellow - University of Chicago
- Nastali Aftab: Critical Care Medicine Fellow - University of Wisconsin
- Sarah Jueckstock: Pulmonary Medicine Fellow - University of Wisconsin
- Patric Koppolas: Critical Care Medicine Fellow - Weill Cornell
- Joseph Thomas: Hematology/Oncology Fellow - Mount Sinai Hospital
- Lauren Young: Hematology/Oncology Fellow - Mount Sinai Hospital

Hematology/Oncology

- Samantha Hay: Hematology/Oncology Fellow - University of Chicago
- Michael Hernandez: Critical Care Medicine Fellow - University of Chicago
- Joshua Gluckman: Nephrology Fellow - University of Chicago
- Wayne Patel: Oncology Fellow - University of Chicago
- Anthony Pape: Academic Medicine Fellow - University of Chicago
- Rajasthan Rajan: Radiation Oncology Fellow - University of Chicago
- Simerota Sil: Simulation Fellow - University of Chicago

Endocrinology, Diabetes & Metabolism

- Maya Sugunas Remmens: Clinical Pharmacology & Pharmacogenomics Fellow - University of Chicago
-Yekini Adeyemi: Endocrinology Fellow - University of Chicago

Pediatric Endocrinology, Diabetes & Metabolism

- Patrick Mccabe: Pediatric Endocrinology Fellow - University of Chicago

Emergency Medicine

- Lindsay Martin: Emergency Medicine Fellow - University of Chicago

Gastroenterology, Hepatology & Nutrition

- Pauline Tran: Gastroenterology Fellow - University of Chicago

Nephrology

- Elizette Strub: Nephrology Fellow - University of Chicago

Pulmonary/Critical Care

- Arief Purnama: Pulmonary/Critical Care Fellow - University of Chicago

Sleep Medicine

- Rebecca Amsden: Sleep Medicine Fellow - University of Chicago

Geriatrics and Palliative Medicine

- Kenneth Boulanger: Geriatrics Fellow - University of Chicago

Interventional Pulmonology

- Elektra: Interventional Pulmonology Fellow - University of Chicago

Rheumatology

- Liana Coyle: Rheumatology Fellow - University of Chicago

2021 ANNUAL REPORT
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 right.

The DOM Women’s Committee enjoyed several successes in FY21:

- Published two issues of the “Women at the Forefront” newsletter, highlighting the accomplishments of women faculty/trainees and added a #RefForShe and book recommendation section.
- Conducted a workshop on “Mentorship in Medicine,” featuring Abby Spencer, MD MS FACP, Vice-Chair of Education, Professor of Medicine, and Director of the Academy of Educators at Washington University School of Medicine
- Conducted a workshop on “Gender Equity in Medicine: Working from the Ground Up” featuring Jennifer Lukela, MD, Associate Director of the Internal Medicine Residency Program at the University of Michigan
- Received honorable mention for the NIH Prize for Enhancing Faculty Gender Diversity in Biomedical and Behavioral Science
- Published on the Committee’s work nominating and increasing the percentage of women receiving local awards entitled “#RefForShe: Increasing Nominations Significantly Increased Institutional Awards for Deserving Academic Women”, Press VG, Huisingh-Scheetz M, Oyler J J Gen Intern Med, 2021
- Hosted Ngozi O. Ezike, MD, Director, Illinois Department of Public Health, as the Women’s Committee’s Grand Round Speaker for 2021, who spoke on “Hurricane COVID and Lessons (Re)Learned”
- Conducted a workshop on “Anti-Racism is a Must in Academic Medicine”.
- The DEI Committee had a commanding presence at the virtual annual medical education conference of the Student National Medical Association, the national Latino Medical Student Association conference and the Medical Organization for Latino Advancement. The June 2021 Juneteenth demonstration was led by Drs. Abdulrah Pratt, and Edwin McDonald, Mr. James Williams (Executive Director of Diversity, Inclusion and Equity in the Urban Health Initiative) and Symphony Fletcher (PSOM Student). The DEI hosted Monica Lipson MD, a national leader in medical education and Vice Dean for Education at Columbia University, as the 2021 DEI Grand Rounds speaker who spoke on “Anti-Racism is a Must in Academic Medicine”.

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The DEI Committee published several high impact publications during the past academic year:


The mission of the Department of Medicine Diversity Equity and Inclusion (DEI) Committee is to promote compositional diversity through the recruitment, retention, mentorship and promotion of students, house staff, and faculty traditionally underrepresented in medicine, to foster an inclusive climate free of harmful bias, to promote compositional diversity throughout the Institution, and to foster an inclusive climate free of harmful bias. The DEI Committee is to promote compositional diversity through the recruitment, retention, mentorship and promotion of students, house staff, and faculty traditionally underrepresented in medicine, to foster an inclusive climate free of harmful bias, and to assist in the delivery of equitable health care practices for patients and communities. With leadership from Monica Vela, MD, accomplishments in FY21 included enhanced education and awareness of DEI issues via presentations at various grand rounds and lectures, and through the creation of three new sub-committees focused on safe space, inclusive pedagogy and abilities and disabilities, increased relationship building and belonging; addressed race-based and culturally sensitive healthcare delivery and contributed heavily to scholarship on DEI. Also noteworthy were enhanced recruitment and outcome efforts for trainees. In FY21, the Department recruited a diverse housestaff to its residency programs. Twenty-five percent of the interns in the internal medicine residency program, 44% of the interns in the emergency medicine residency program and 18% of sub-specialty fellows identify as underrepresented in medicine (UiM). The Committee partnered with other institutional leaders to advocate for blinding USMLE scores in screening and matching candidates to residency programs and for the continued support of UM trainees at all programs.