STATE OF THE DEPARTMENT 2018

DEPARTMENT OF MEDICINE

ALBERT EINSTEIN COLLEGE OF MEDICINE
AND MONTEFIORE HEALTH SYSTEM

YARON TOMER, MD, FACP,
CHAIR, DEPARTMENT OF MEDICINE
<table>
<thead>
<tr>
<th><strong>Activity Title:</strong></th>
<th>Department of Medicine Grand Rounds</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Date:</strong></td>
<td>September 27, 2018</td>
</tr>
<tr>
<td><strong>Presenter:</strong></td>
<td>Yaron Tomer, MD</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>State of the Department</td>
</tr>
<tr>
<td><strong>Location:</strong></td>
<td>Cherkasky Auditorium</td>
</tr>
</tbody>
</table>

**Course Director’s/Moderator’s Disclosures:** Dr Elizabeth Kitsis’ spouse, Dr Richard Kitsis, is a consultant for Amaron Bio.

**Presenter’s Disclosures:** Dr Tomer has no relevant financial relationships to report in the last 12 months with a commercial interest.

The staff of CCME of Albert Einstein College of Medicine has no conflicts of interest with commercial interests related directly or indirectly to this educational activity.
MISSION

Building upon our Bronx roots, we aim to improve the health of the people and communities we serve through compassionate, patient-centered care, scientific discovery, humanistic education, community engagement and absolute commitment to social justice.
OUR STRENGTHS AND ASSETS

Clinical Excellence:
Inpatient/Outpatient

Quality Improvement

Faculty Development

Advocacy

Research:
Clinical/Translational/Basic Research

Community Outreach

Global Health
IN MEMORIAM

Irving London, MD
Founding Chair, Medicine, Einstein

Norman Fleischer, MD
Former Chief, Endocrinology

Herbert Tanowitz, MD
Professor of Medicine (Infectious Diseases)
WHO WE ARE

CLINICAL OPERATIONS
- 1171 Physicians
- ~ 800 Beds
- > 50,000 discharges/year
- Primary Care
  - ~ 32,000 unique patients
  - ~ 91,000 visits/year

EDUCATION
- 769 Med Students
- Preclinical courses
- Clinical clerkships
- Clinical Trainees
  - 182 Monte residents
  - 145 Monte fellows
  - 74 Wakefield residents
  - 10 Wakefield Fellows

RESEARCH
- 108 PI’s
- 79 MD’s
- 5 MBBS/DO
- 18 PhD’s
- 6 MD/PhD’s
NEW LEADERSHIP RECRUITS

Thomas Ullman, MD
Professor, Chief, Division of Gastroenterology

Todd Cassese, MD
Assistant Dean for Clinical Sciences

2018 Faculty Recruits

- 23 New Faculty
- 5 Instructors
- 16 Assistant Professors
- 2 Professors
CLINICAL MISSION: New Initiatives

Inpatient Operations:
- Expand ACU’s
- ED Hospitalist Program, Weiler
- Significant expansion to Infection Control program
- Expansion of Geriatrics co-mgmt w/ Orthopedics
- Lung Transplant

New Compensation Plan
- Transparent
- Equitable
- Incentivizes productivity

Outpatient Operations:
- Access Initiative
- eConsult
- New Dashboards
- New Practices
  - 1180 Morris Park
  - Tarrytown
  - New infusion Center, Hutch

Montefiore Comprehensive Weight Loss Program:
Dr. Sammy Ho:
Endoscopic Bariatric Procedures

Addiction Center:
Dr. Chinazo Cunningham

Fleischer Institute for Diabetes and Metabolism:
Dr. Jill Crandall

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Dr. Chinazo Cunningham

Fleischer Institute for Diabetes and Metabolism:
Dr. Jill Crandall
FACULTY PRACTICE:
Leadership Team

Jennifer Garner, MSW
Unified Administrator

Eric J. Epstein, MD
Medical Director
Faculty Practice

Sheena Moultrie
Faculty Practice Administrator

Dmitriy Shmunko
Financial Director

Jasmine Porter
Billing Supervisor
## Faculty Practice: Volume

### July 2017 – June 2018 (Testing & Procedures)

<table>
<thead>
<tr>
<th>Specialty</th>
<th>New Patient</th>
<th>Est. Patient</th>
<th>Total Patient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allergy and Immunology</td>
<td>3,777</td>
<td>20,668</td>
<td>24,445</td>
</tr>
<tr>
<td>Dermatology</td>
<td>15,931</td>
<td>68,356</td>
<td>84,287</td>
</tr>
<tr>
<td>Plastic Surgery</td>
<td>2,608</td>
<td>8,564</td>
<td>11,172</td>
</tr>
<tr>
<td>Endocrinology</td>
<td>4,686</td>
<td>23,812</td>
<td>28,498</td>
</tr>
<tr>
<td>Gastroenterology</td>
<td>11,690</td>
<td>37,846</td>
<td>49,536</td>
</tr>
<tr>
<td>Geriatric</td>
<td>302</td>
<td>5,587</td>
<td>5,889</td>
</tr>
<tr>
<td>Hepatology</td>
<td>711</td>
<td>2,279</td>
<td>2,990</td>
</tr>
<tr>
<td>Infectious Diseases</td>
<td>4,165</td>
<td>40,008</td>
<td>44,173</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>25,448</td>
<td>427,619</td>
<td>453,067</td>
</tr>
<tr>
<td>Nephrology</td>
<td>2,071</td>
<td>41,754</td>
<td>43,825</td>
</tr>
<tr>
<td>Pulmonology</td>
<td>2,680</td>
<td>11,098</td>
<td>13,778</td>
</tr>
<tr>
<td>Sleep Medicine</td>
<td>1,114</td>
<td>5,336</td>
<td>6,450</td>
</tr>
<tr>
<td>Rheumatology</td>
<td>2,570</td>
<td>12,265</td>
<td>14,835</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>77,753</strong></td>
<td><strong>705,192</strong></td>
<td><strong>782,945</strong></td>
</tr>
</tbody>
</table>

(11%)
Highlights & Initiatives

New Locations:

- 1180 Morris Park Avenue
  - Fleischer Institute
  - Endocrinology, Nephrology, Rheumatology
- Tarrytown: Immunologic Diseases Center of Westchester
  - Rheumatology, GI/IBD, Allergy, Endocrine
  - New Large Space in 2019

Operations: Faculty Practice Advisory Council

- Leader: Eric Epstein
- Physician & Nurse Managers rep’s from Practices, Divisional administrators
- New policies: Physicians on-boarding and off-boarding, PPD placement and documentation, PA’s, Vaccination and medication billing, and more

Faculty Practice Transformation Access Initiative (KPMG):

- DOM participation in task forces
- Implementation by 1/2019
- Cadence: Condition-Based Scheduling
- Waitlist functionality, and more
"Routine, non-urgent or preventive care visits within 4 weeks"¹

1. NYS - DOH, Office of Managed Care – Managed Care Organization Qualifications Guidelines
"You can't manage what you don't measure."

- W. Edward Deming
## Financial Operations: Dashboards

### E & M Visits: YTD July, 2018

| Visit Type                          | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | YTD 2018 | YTD 2017 | YTD Var. | Var.% | 2017 Act |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|----------|-----------|--------|---------|---------|
| Outpatient:                        |     |     |     |     |     |     |     |     |     |     |     |     |        |          |          |        |         |         |
| Office/OP Visit, New Patient       | 58  | 56  | 76  | 58  | 102 | 85  | 98  |     |     |     |     |     | 533    | 631      | (98)     | -15.5%  | 1,086   |
| Office/OP Visit, Est Patient       | 555 | 573 | 736 | 667 | 764 | 758 | 591 |     |     |     |     |     | 4,584  | 4,391    | 193      | 4.4%    | 7,718   |
| Office Consult, New/Est Patent     | 176 | 194 | 243 | 191 | 240 | 251 | 204 |     |     |     |     |     | 1,499  | 1,470    | 29       | 2.0%    | 2,573   |
| Outpatient Total:                  | 788 | 823 | 1,055| 856 | 1,106| 1,094| 893 |     |     |     |     |     | 6,616  | 6,492    | 124      | 1.9%    | 11,377  |
| Inpatient Consultation:            | 8   | 13  | 9   | 9   | 8   | 20  | 12  |     |     |     |     |     | 79     | 52       | 27       | 51.9%   | 82      |
| Initial Hospital Care:             | 5   | 4   | 8   | 14  | 8   | 8   | 10  |     |     |     |     |     | 58     | 102      | (44)     | -43.1%  | 118     |
| Subsequent Hospital Care:          | 13  | 17  | 17  | 23  | 17  | 28  | 22  |     |     |     |     |     | 137    | 221      | (84)     | -38.0%  | 269     |
| Inpatient Total:                   | 802 | 840 | 1,072| 879 | 1,123| 1,122| 915 |     |     |     |     |     | 6,753  | 6,713    | 40       | 0.6%    | 11,646  |

### Division Totals:

- Total Visits: Division Total - 6,753
- Total Inpatient Visits: Division Total - 6,713

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**Montefiore**

THE UNIVERSITY HOSPITAL

**Albert Einstein College of Medicine**

OF Yeshiva University
Solid Growth in Revenue & wRVU

Projected Revenue Growth of **10.7%** over 2017

**PROJECTED 2018 PROFESSIONAL REVENUE**

- **2016**: 56 M
- **2017**: 59 M
- **2018**: 65 M

**PROJECTED 2018 wRVUS**

- **2016**: 872 K
- **2017**: 891 K
- **2018**: 951 K

Projected wRVU Growth of **6.7%** over 2017
Improved Efficiency Metrics

1.1% Improvement Over 2017

Professional Revenue per wRVU

<table>
<thead>
<tr>
<th>Year</th>
<th>Professional Revenue per wRVU</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016 June YTD</td>
<td>$62.4</td>
</tr>
<tr>
<td>2017 June YTD</td>
<td>$65.4</td>
</tr>
<tr>
<td>2018 June YTD</td>
<td>$66.1</td>
</tr>
</tbody>
</table>

wRVU Per cFTE

<table>
<thead>
<tr>
<th>Quarter</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1</td>
<td>461</td>
<td>486</td>
</tr>
<tr>
<td>Q2</td>
<td>477</td>
<td>489</td>
</tr>
</tbody>
</table>

5.5% and 2.5% Improvement in Q1 and Q2 wRVU per cFTE
RESEARCH

Marla Keller, MD
Vice Chair for Research; Associate Director of the Block Institute for Clinical and Translational Research

Cevita Webb, MPH
Director of Research Operations
Senior Administrator
Research Operations

**Federal Funding:** $62.5M for 2017 (NIH, NIOSH, FDA)

**Ranked** #22 by Blue Ridge Institute

**Grant Submission & Success:**
- 145 grants submitted in past year
- 48 grants awarded in past year

**DOM Biostatistical Resource:**
- PhD and MS level support
- 16 Grants submitted - 4 R01, 2 AHRQ, 2 K23, R03, R21, Price, CMO Innovation, Arthritis Foundation
- 7 Grants funded
- 13 papers published in high impact journals
- 15 abstracts presented at meetings

**Clinical Trials:**
- 120 clinical trials
- $1.9M in 2016 → $2.35M in 2017

Investigators: 108 PI’s
# New Research Recruits

| Gordon Tomaselli, MD  
<table>
<thead>
<tr>
<th>Dean; Cardiology</th>
</tr>
</thead>
</table>
| Yunlei Yang, PhD    
| Endocrinology       |
| Shivani Agarwal, MD |
| Endocrinology       |
| Esperanza Arias-Perez, PhD |
| Hepatology         |
| Glen Ferguson, PhD  
| Senior Data Scientist (Artificial Intelligence) |
| Gaetano Santulli, MD, PhD |
| Cardiology         |
| Kosaku Shinoda, PhD |
| Endocrinology       |
| Eva Billerbeck, PhD |
| Hepatology         |
| Wei Chen, MD        |
| Nephrology          |
NIH Career Development
21 K Awardees in 9 Divisions

**K01**
- Aluko Hope, MD (Critical Care)
- Helena Blumen, PhD (Geriatrics)

**KL2 (ICTR)**
- Claudene George, MD (Geriatrics)
- Tanya Johns, MD (Nephrology)
- Olga Aroniadis, MD (GI)
- Parvathi Myer, MD (Cancer K12) (GI)

**K23**
- Sofiya Milman, MD (Endocrinology)
- Uriel Felsen, MD (ID)
- Matt Abramowitz, MD (Nephrology)
- Hector Perez, MD (DGIM)
- Anjali Sharma, MD (DGIM)
- Viraj Patel, MD (DGIM)

**K23**
- Shivani Agarwal, MD (Endocrinology)
- Anna Broder, MD (Rheumatology)
- Wei Chen, MD (Nephrology)
- Jonathan Ross, MD (DGIM)
- Briana Norton, MD (DGIM)
- Marcus Bachhuber, MD (DGIM)

**K99/R00**
- Matt Akiyama, MD (DGIM)
- Gaetano Santulli, MD, PhD (Cardiology)
- Kosaku Shinoda, PhD (Endocrinology)

Five Recently Submitted:
- 3 Cardiology
- 1 ID
- 1 Geriatrics
Clinical Research Training Program (CRTP)

Class of 2019

• Jen-Ting (Tina) Chen (Critical Care)
• Jules Chyten-Brennan (DGIM)
• Tiffany Lu (DGIM)
• Deepika Slawek (DGIM)

Class of 2020

• Michael Aboodi (Critical Care)
• Sandra Aleksic (Endocrine)
• Andrea Jakubowski (DGIM)
6 NIH-Funded Centers

**Albert Einstein Cancer Center**
David Goldman
*Up for renewal*

**Diabetes Research Center**
Jeff Pessin
*Up for renewal*

**CTSA**
Harry Shamoon
*Renewed*

**Institute for Aging Research**
Nir Barzilai

**Marion Bessin Liver Research Center**
Allan Wolkoff
*Up for renewal*

**NY Regional Center for Diabetes Translation Research (CDTR)**
*Elizabeth Walker*

*Transitioning to new PI - Jeffrey Gonzalez, PhD*

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**3 NIH-Funded Training Grants**

- **Geographic Medicine & Emerging Infections:** Lou Weiss
- **Developmental & Translational Nephrology:** Michal Melamed
- **Training in Aging Research:** Nir Barzilai
New Research Initiatives: Big Data, Informatics, AI, and more

- Glen Ferguson
- Alope Maity
- Parsa Mirhaji
- Matt Berger

- Cohort building for research
- Clinical data analysis for research
- Using AI to improve Patient care and outcomes; & operations

“In god we trust, all others must bring data”
W. Edwards Deming
Elizabeth Kitsis, MD
Vice Chair for Faculty Affairs and Professionalism
Associate Professor of Medicine (Rheumatology)
Associate Professor of Epidemiology & Population Health
Faculty Affairs

- Credentialing
  - > 500 per year

- Appointments & Promotions
  - 27 appointments
  - 19 promotions

- Grand Rounds

- Department of Medicine Awards

- Mentoring Program (with Marla Keller)
Grand Rounds Attendance 2018

2017-2018 Attendance Increased 5% from 2016-2017

Cherkasky
Weiler
Remote Participation*

0 100 200 300 400 500 600 700 800

September October November December January February March April May June

Cherkasky Weiler Remote Participation*
## Department of Medicine Awards

<table>
<thead>
<tr>
<th>Award</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distinguished Clinician</td>
<td>Philip Lief</td>
<td>Robert Forman</td>
</tr>
<tr>
<td>Humanism</td>
<td>Clement Tagoe</td>
<td>Golda Hudes</td>
</tr>
<tr>
<td>Citizenship</td>
<td>Belinda Ostrowsky</td>
<td>Joseph DeLuca</td>
</tr>
<tr>
<td>Rising Star</td>
<td>N/A</td>
<td>Priya Nori</td>
</tr>
</tbody>
</table>

- **Distinguished Clinician:** David Appel, MD
- **Humanism:** Vafa Tabatabaie, MD
- **Citizenship:** Marta Rico, MD, PhD
- **Rising Star:** Olga Aroniadis, MD
Mentoring Program

• Entering fourth year
• Open to all DOM Junior Faculty
• Program Components
  o Interactive seminars
  o 1:1 mentoring
  o Group mentoring
  o Scholarly projects

Mentors

• Elizabeth Kitsis
• Sharon Leung
• Michal Melamed
• Felise Milan
• Shadi Nahvi
• Liise-anne Pirofski
• Sheira Schlair
• Victor Schuster
• Joanna Starrels
• Yaron Tomer
• Ali Zaidi
• Matthew Abramowitz
• Jacqueline Achkar
• Stephen Baum
• James Brust
• Ro Conigliaro
• Chinazo Cunningham
• Lewis Eisen
• Aaron Fox
• Hayley Gershengorn
• Michelle Gong
• Aluko Hope
• Marla Keller
UME Mission

Train Physicians of 21st Century
Train Physician-Scientists
Social Medicine
Community Medicine
Leaders in Medicine
Course directors for multiple organ system courses as well as leaders for ICM (Introduction to Clinical Medicine) and curriculum innovations.

<table>
<thead>
<tr>
<th>Course</th>
<th>Faculty</th>
<th>Course</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular</td>
<td>Charles Nordin</td>
<td>Hematology</td>
<td>Irina Murakhovskaya</td>
</tr>
<tr>
<td>Dermatology</td>
<td>Caroline Halverstam</td>
<td>Micro/ID</td>
<td>Magdalena Slosar-Cheah, Connie Park</td>
</tr>
<tr>
<td>Endocrine</td>
<td>Eric Epstein</td>
<td>Musculoskeletal</td>
<td>Irene Blanco Beverly Johnson</td>
</tr>
<tr>
<td>EPHEM</td>
<td>Robert Goodman</td>
<td>Renal</td>
<td>Amanda Raff</td>
</tr>
<tr>
<td>GI</td>
<td>Joann Kwah</td>
<td>Parasitology</td>
<td>Christina Coyle</td>
</tr>
<tr>
<td>ICM</td>
<td>Felise Milan, Sandra Oza, Sheira Schlair</td>
<td>Population Health</td>
<td>Cristina Gonzalez</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pulmonary</td>
<td>David Prezant</td>
</tr>
</tbody>
</table>

In addition, **130 faculty** members participate as lecturers, Group Seminar Leaders, and facilitators.
# UME: Sites and Site Leaders

<table>
<thead>
<tr>
<th>Site/Average Students/ Rotation</th>
<th>Site Leaders</th>
<th>Site/Average Students/Rotation</th>
<th>Site Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MOSES</strong></td>
<td></td>
<td><strong>WAKEFIELD</strong></td>
<td></td>
</tr>
<tr>
<td>Clerkship (10 – 12) Sub-I (8 – 10)</td>
<td>Jing Pan, Jessica Pacifico</td>
<td>Clerkship (6) Sub-I (2)</td>
<td>Colette Knight, Olena Slinchenkova</td>
</tr>
<tr>
<td><strong>NEW ROCHELLE</strong></td>
<td></td>
<td><strong>WEILER</strong></td>
<td></td>
</tr>
<tr>
<td>Clerkship (4)</td>
<td>Marie Lamsen, Ashutossh Naaraayan</td>
<td>Clerkship (10) Sub-I (6)</td>
<td>Trina Dhar, Jay Dobkin</td>
</tr>
<tr>
<td><strong>JACOBI</strong></td>
<td></td>
<td><strong>LIJ</strong></td>
<td></td>
</tr>
<tr>
<td>Clerkship (10 – 12) Sub-I (6 - 8)</td>
<td>Perminder Gulani, Tanvir Kahlon (Asst), Colin Cha-Fong, Robert Faillace, (Co-Site Leaders)</td>
<td>Clerkship (4)</td>
<td>Syed (Ejaz) Ahmad</td>
</tr>
<tr>
<td><strong>ST. BARNABUS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clerkship (4)</td>
<td></td>
<td></td>
<td>Malcolm Phillips</td>
</tr>
</tbody>
</table>

*Red = New site leader*
Expanding Teaching Opportunities

Sub-Interns on Direct Care Service
- Paired w/ attending on team
- Increased capacity for sub-internship
- 1:1 Supervision / Mentorship
- Extremely positive feedback

New Clinical Site:
- Crystal Run Healthcare - Ravi Shah

Ambulatory Medicine 4th Year Rotation, Director: Lisa Rucker
- Jacobi: Lisa Rucker
- FCC : Michael Castellot
- CFCC: Liz Harris
- Moses: HIV - Robert Grossberg
- Uganda: Gloria Fung Chaw & Gerald Paccione
- NCB : Jacinth Ruddock

Geriatrics Rotation, Director: Claudene George
- Moses : Claudene George and Alice Guo
- New Rochelle: Norris Fox
- Wakefield : T.S. Dharmarajan
- Kings Harbor: Roy Goldberg & Shikta Gupta
- St. Barnabas: Joel Sender

New Clinical Site:
- Burke Rehabilitation Hospital – Oh Park
UME: 2017 Medical School Graduation Questionnaire

Rate the Quality of Your Educational Experience in the Internal Medicine Clerkship

- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- National Average 2017

Quality Ratings:
- poor
- fair
- good
- excellent
UME: Summary

It Takes a Village
• 350 Core faculty teaching medical students

Dedication to Einstein
• Many graduates stay or return to Montefiore to train or work

Gordon Tomaselli, MD
• Marilyn and Stanley M. Katz Dean at Einstein
• Class of 1982
INTERNAL MEDICINE RESIDENCY

Lauren Shapiro, MD
Internal Medicine Residency Director
Assistant Professor, Department of Medicine
(General Internal Medicine)
### Categorical Recruitment 2018

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicants Ranked</td>
<td>561</td>
<td>569</td>
<td>567</td>
<td>525</td>
<td>556</td>
</tr>
<tr>
<td>Lowest Ranked</td>
<td>411</td>
<td>392</td>
<td>452</td>
<td>348</td>
<td>404</td>
</tr>
<tr>
<td>Applicant Matched</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Ranked in 1st 100</td>
<td>1</td>
<td>8</td>
<td>7</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td># Ranked in 1st 200</td>
<td>7</td>
<td>15</td>
<td>12</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>Avg. Step 1 Score</td>
<td>224</td>
<td>229</td>
<td>231</td>
<td>241</td>
<td>231</td>
</tr>
<tr>
<td>Avg. Step 2 Score</td>
<td>238</td>
<td>240</td>
<td>242</td>
<td>250</td>
<td>244</td>
</tr>
<tr>
<td>URM</td>
<td>5</td>
<td>5</td>
<td>2</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

**3,936 Categorical applicants**
- 602 interviewed

**844 PC/SIM applicants**
- 103 interviewed
- 5 URM residents matched

**3,936 Categorical applicants**
- 602 interviewed

**844 PC/SIM applicants**
- 103 interviewed
- 5 URM residents matched
Resident Match and Graduates

Match 2018

- URM: 10; Women: 18 (n=48)
- Step 1: 231; Step 2: 244
- Medical Schools: BU, Georgetown, Einstein, NYU, SUNY Downstate, SUNY Stony Brook, USC, Tulane, Sackler, Universidad Central de Venezuela

Graduates

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Care</td>
<td>10</td>
<td>6</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>Hospitalist</td>
<td>8</td>
<td>13</td>
<td>13</td>
<td>8</td>
</tr>
<tr>
<td>IM Subspecialty Fellowship</td>
<td>27</td>
<td>27</td>
<td>17</td>
<td>33</td>
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<tr>
<td>Other Fellowship (GH, RWJ, GIM, Med Ed)</td>
<td>2</td>
<td>1</td>
<td>6</td>
<td>2</td>
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<tr>
<td>% Matched Fellowship</td>
<td>100</td>
<td>100</td>
<td>95</td>
<td>97</td>
</tr>
</tbody>
</table>

Monte/Einstein Board Pass Rate

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monte/Einstein Board Pass Rate</td>
<td>94%</td>
<td>97%</td>
<td>98%</td>
<td></td>
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<tr>
<td>National Board Pass rate</td>
<td>89%</td>
<td>90%</td>
<td>90%</td>
<td></td>
</tr>
</tbody>
</table>
Research and Initiatives

Research Activities

• 90% of PGY3’s participated in scholarly work
• 3-5 residents per year → intensified research rotation
• Presentations at national and international meetings:
  • SHM, SGIM, ACP, etc.

New Initiatives

• Medical Educator Pathway → 5 inaugural PGY2’s
• Hospital Medicine and Health Systems Pathway → 6 residents
• Wellness Initiatives
• Robust new QI curriculum → PGY2 & PGY3
Grace Kajita, MD
Wakefield Residency Director
Assistant Professor of Medicine (DGIM)
Highlights & Accomplishments

Recruitment

- 4000 Applications screened
- 272 Candidates interviewed
- 23 Categorical & 4 prelim’s matched
- **Countries**: Pakistan, India, Bangladesh, Nepal, Sudan, Egypt, Iran, China, Myanmar, Venezuela, Greece, US
- Immigration policies → huge challenge

2018:
Continued Accreditation, all citations removed → and no Areas for Improvement
Scholarship

Submissions to meetings:
- Increased by 10%
- Acceptance rate increased 42% → 65%

Presentations at meetings:
- 2 oral presentations at SGIM
- First author manuscripts

Dr. Kristin Swedish: Director of Scholarly Activity

ABIM pass rate 95%
Quality Improvement (QI) Inpatient and Ambulatory

Sarah Baron, MD
Director of Inpatient QI

Sharon Rikin, MD
Director of Ambulatory QI
Inpatient QI:
Dr. Sarah Baron, Director

Hospital Performance
• ACU
• Length of stay
• Readmissions
• Epic Med Alerts

Hospital Acquired Conditions
• *C. difficile* prevention
• VTE Prophylaxis
• STOP Sepsis
• CAUTI
• CLABSI

QI Leadership Training
• Tulay Aksoy:
• Jeff Ceresnak
• Andrea Porrovecchio
• Matt Shaines

QI Education
• QI Curriculum for Fellows
• QI Grand Rounds

Adverse Events/Mortality Reviews
• Peer Review
• RCA
• *Inpatient Diabetes Work Group*
• Pharmacy & Therapy

QI Departmental Infrastructure
• QI Leadership Development
• Training of Divisional QI Leaders
• Residency Program QI Leadership
• DoM Chair’s Award for Excellence in QI
Reducing *Clostridium difficile* Infections (Sarah Baron, Jeff Ceresnak)

**AIM**
Reduce Hospital Onset *C. diff* at Montefiore Health System

**Key Drivers**
- **True C diff Acquisition**
- **Delayed Diagnosis**
  - Community Onset cases attributed as Hospital Onset
- **Unnecessary Testing**
  - False Positives
- **Delayed Disease**
  - Antibiotics turn on disease
Hospital Acquired C. difficile Cases Monthly Montefiore Medical Center 2016-2018

Number of Cases per month

- UCL
- LCL

- Decrease Unnecessary Testing

- Turn Around Time PDSA’s

- Mean = 35
- New Mean = 25

Reduce Hospital Onset C. diff at Montefiore
- (Community Onset Cases attributed as Hospital Onset)

Number of C. diff Cases

Montefiore
THE UNIVERSITY HOSPITAL

Albert Einstein College of Medicine
OF Yeshiva University
First Chair’s Award for Resident Excellence in Quality Improvement

Three Winning Teams:

Ashley Kang and Jay Chudow:
• Improve Team Recognition

Ariel Peleg
• Integrate home information into EPIC

Jonah Zaretsky and Jay Naik:
• Improve Communication with pharmacies
Ambulatory Quality Improvement, Sharon Rikin, MD, MD, MS

**Departmental Initiatives**
- eConsults

**Physician-led Initiatives**
- Create patient registries; autoimmune diseases; asthma, COPD

**National Initiative**
- CDC Opioid QI Collaborative guideline implementation

**Graduate Medical Education**
- Resident-led QI projects
- DOM Chair’s Awards for Excellence in QI
eConsult

- Formal "curbside consult" in *Epic*
- Available for PCPs at 3 pilot sites
- Dedicated *eConsultants*
- Recommendations in 72 hrs.

**QI Team**

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sharon Rikin</td>
</tr>
<tr>
<td>Anna Broder</td>
</tr>
<tr>
<td>Raphael Hulkower</td>
</tr>
<tr>
<td>Joann Kwah</td>
</tr>
<tr>
<td>Ruchi Jain</td>
</tr>
<tr>
<td>Eric Epstein</td>
</tr>
<tr>
<td>Joe Deluca</td>
</tr>
<tr>
<td>Matt Berger</td>
</tr>
<tr>
<td>Jason Giordani</td>
</tr>
<tr>
<td>Jessica Alicea-Cruz</td>
</tr>
<tr>
<td>Jeanette Soto</td>
</tr>
<tr>
<td>Rosalyn Barnes</td>
</tr>
<tr>
<td>Shadrack John</td>
</tr>
<tr>
<td>Sheena Moultrie</td>
</tr>
<tr>
<td>Jennifer Garner</td>
</tr>
<tr>
<td>Julia Arnsten</td>
</tr>
<tr>
<td>Yaron Tomer</td>
</tr>
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</table>

*Montefiore*

*The University Hospital*

*Albert Einstein College of Medicine of Yeshiva University*
eConsult Outcomes

All Specialties (n=120)
- No appt needed: 55%
- Expedited: 26%
- Routine: 19%

Endocrinology (n=64)
- No appt needed: 64%
- Expedited: 6%
- Routine: 30%

Gastroenterology (n=36)
- No appt needed: 47%
- Expedited: 36%
- Routine: 17%

Rheumatology (n=20)
- No appt needed: 40%
- Expedited: 30%
- Routine: 30%
Overall, how satisfied or dissatisfied are you with eConsults/Routine referrals?

When the last eConsult/Referral was completed, I had a good understanding of the things I was responsible for in managing the patient's health.
DIVISION OF ALLERGY & IMMUNOLOGY

David Rosenstreich, MD
Chief, Division of Allergy & Immunology
Professor of Medicine
Professor of Microbiology & Immunology
Professor of Otolaryngology

Montefiore
THE UNIVERSITY HOSPITAL

Albert Einstein College of Medicine
OF YEHUDA UNIVERSITY
### Unique Programs

#### Clinical Trials Program
- **Director:** Golda Hudes, MD, PhD
- Participated in 25 drug studies since inception

#### Severe Sinusitis Center
- **Directors:** Denisa Ferastraoaru, MD and Elina Jerschow, MD, MSc
- Joint Allergy ENT Clinic

#### Food Allergy Program
- **Director:** Manish Ramesh, MD, PhD
- Anaphylactic food allergies; eosinophilic esophagitis, food protein induced enterocolitis (FPIE) syndrome; pollen-food allergy syndrome
- Oral desensitization immunotherapy for peanut and milk food allergy.

#### Severe Asthma Center
- **Directors:** Sunit Jariwala, MD and Simon Spivack, MD (Pulmonary)
- Joint Allergy Pulmonary clinic
- New AHRQ funding for ASTHMAXcel Mobile App
New Programs

Drug Allergy Center and Chemotherapy/Biologic Desensitization Program

- **Director:** Elina Jerschow, MD, M.Sc.
- **Location:** Hutch 12th & Montefiore Medical Park (GGB)
- **Drug Allergy testing**
- **Drug desensitization:** chemotherapeutic or biologic
- **Recent research studies**
DIVISION OF CARDIOLOGY

Mario Garcia, MD
Chief, Division of Cardiology
Professor of Cardiology
Professor of Radiology
Pauline Levitt Chair in Medicine
Co-Director, Montefiore Einstein Center for Heart and Vascular Care

Montefiore’s short film Corazón made its world premiere at the Tribeca Film Festival in 4/18. The film is based on a true story of a patient whose life was saved by Dr. Mario Garcia

www.corazonfilm.com
Accomplishments

Leadership and Honor Roles (2017-2018)

<table>
<thead>
<tr>
<th>Physician</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mario J Garcia, MD</td>
<td>Chair, ABIM Cardiovascular Board</td>
</tr>
<tr>
<td>Ileana Pina, MD</td>
<td>Chair, AHA Clinical Council; NHLBI Top Women Scientists</td>
</tr>
<tr>
<td>Ulrich Jorde, MD</td>
<td>Chair, International Society for Heart Lung Transplantation (ISHLT)</td>
</tr>
<tr>
<td>Luigi Di Biase, MD</td>
<td>European Cardiac Arrhythmia Society Outstanding Award</td>
</tr>
<tr>
<td>Cynthia Taub, MD</td>
<td>ACC/ASE/SCMR/SCCT guidelines on management of Aortic Stenosis</td>
</tr>
</tbody>
</table>

High Impact Publications (2017-2018)

<table>
<thead>
<tr>
<th>Journal</th>
<th>No.</th>
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<tbody>
<tr>
<td>New England Journal of Medicine</td>
<td>2</td>
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<tr>
<td>JAMA</td>
<td>4</td>
</tr>
<tr>
<td>J Am College Cardiology</td>
<td>24</td>
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<tr>
<td>Circulation</td>
<td>25</td>
</tr>
<tr>
<td>American Journal of Cardiology</td>
<td>14</td>
</tr>
<tr>
<td>International Journal of Cardiology</td>
<td>18</td>
</tr>
</tbody>
</table>
Accomplishments

- First Cath-lab in the World to Perform Robotic PCI from Control Room
- No Radiation Exposure

First or Among the First

- Best outcomes for Heart Transplant
- Use of Heart-Mate III LVAD
- HCV non-viremic donor transplant
- Implantation of Percutaneous Heart Pump (PHP) in Shock
- Left Atrial Appendage Isolation in AF
- AF ablation in HF with reduced EF
Accomplishments

TAVR Volumes
(Top 20% of programs in US)

1-year survival 96.1%
(US hospitals average 88.6%)

David P Slovut, MD, PhD
Cynthia Taub, MD (Echo)
DIVISION OF CRITICAL CARE MEDICINE

Vladimir Kvetan, MD
Chief, Division of Critical Care
Professor of Medicine
Professor of Anesthesiology
Associate Professor of Surgery
Clinical Operations: Highlights

**Staff and Training Programs**
- 39 Faculty, 48 PA’s, 21 Fellows
- New Anesthesia CCM fellowship
- New Neurocritical Care Fellowship

**Clinical Operations**

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total ICU/progressive beds</td>
<td>128 (8% of adult beds)</td>
</tr>
<tr>
<td>ICU Admissions</td>
<td>~ 5,500/year</td>
</tr>
<tr>
<td>Critical Care Consult Service</td>
<td>&gt; 12,000 consults/year</td>
</tr>
</tbody>
</table>

**R. Malhotra, A. Keene, S. Leung**
- Comprehensive Stroke Center Certification

**Lewis Eisen**
- Sharon Silbiger Faculty Teaching Award

**Michelle Gong**
- Executive Leadership in Academic Medicine

**Aluko Hope**
- American J of Critical Care Physician Co EIC

**Daniela Levi & Sharon Leung**
- Montefiore Physician Leadership Program

**Daniela Levi**
- Appointed Chair of Medicine Mount Vernon

**Vladimir Kvetan**
- NYS Society of Critical Care Medicine Chapter
American Thoracic Society Meeting 2018:

- 17 abstracts presented
- 9 selected for oral presentation
- 9 presented by fellows or residents
- 3 invited talks
- 6 faculty members chairs

New Grants 2018

K01HL140279; Aluko Hope
U01HL123009; Michelle Gong
R18 HS26188 (AHRQ): Michelle Gong
Dermatology Team

Members

• 16 Faculty
• 20 Residents
• 6 Fellows
• 2 NP’s

New Recruits

Julia Gittler, MD
Pediatric Dermatology

Allison Kutner, MD
Medical Dermatology
Programs

New Residency Director
Dr. Caroline Halverstam

Pediatric Dermatology
Dr. Julia Gittler

Dermatologic Surgery
Cosmetic Surgery
Dr. David Ciocon

New Psoriasis Research Program
Dr. Jaehwan Kim

Oncodermatology
Dr. Beth McLellan

Pediatric Dermatology
Dr. Diana Lee

Hidradenitis Suppurativa (HS) Center
Dr. Steve Cohen

2018 National Psoriasis Foundation Discovery Grant
Dr. Jaehwan Kim
DIVISION OF ENDOCRINOLOGY AND METABOLISM

Jill Crandall, MD
Chief, Division of Endocrinology
Director, Fleischer Institute for Diabetes and Metabolism
Fleischer Institute for Diabetes and Metabolism

- Location: 1180 Morris Park Ave.
- Expanded multidisciplinary team: MD’s, NP’s, CDEs, SW
- Multidisciplinary specialties
- Obesity Center
- Diabetes and Obesity translational research
- Active fundraising underway

Dr. Norman Fleischer
1936-2018
Highlights & Accomplishments

30 Faculty
  • Includes 14 Research PI’s

Fleischer Institute for Diabetes & Metabolism

New Faculty Recruited
  • Shivani Agarwal, MD (K23)
  • Nisha Suda, MD
  • Yunlei Yang, PhD (2 R01’s)

New Fellowship Director
  • Vafa Tabatabaie, MD

Fellowship Expanded
  • 6 → 8 Fellows (4/year)

Wakefield Endocrine Programs Expanded:
  • Fellows covering Wakefield
  • Diabetes inpatient NP
  • Additional faculty support

Ranked #39 in by US News and World Report Best Hospitals 2018-19
Highlights & Accomplishments

Vafa Tabatabaie, MD
DOM Humanism Award

Meredith Hawkins, MD
DOM Research Mentor Award

Janet Brown Friday, RN, MPH
Appointed to American Diabetes Association Board of Directors

Dongsheng Cai, PhD
Rising Star Award, Aging Research, AFAR

- Total Research Funding: $14,261,602
- New Research Funding: $3,357,191
- Over 80 Publications
DIVISION OF GASTROENTEROLOGY

Thomas Ullman, MD
Chief, Division of Gastroenterology
Professor of Medicine (Gastroenterology)
Highlights & Accomplishments

**New Faculty**

- **Dr. Parvathi Myer**
  - KL2 Calabresi Career Development Grant

- **Dr. Olga Aroniadis**
  - KL2 Career Development Grant

- **Dr. Sammy Ho**
  - New Endoscopic Bariatric Program

- **Drs. Sammy Ho, Aaron Tokayer, Thomas Ullman**
  - Named “Best Doctors” NY Magazine

- **Dr. Lawrence Brandt**
  - Alumni Achievement Medallion, SUNY Downstate

- **25th Annual Day in the Gut, April ‘18**

Thomas Ullman, MD
Division Chief, GI

Alia Hasham, MD
Assistant Profess
New Initiatives

- **Endoscopic Bariatric Program**: New and exciting option for people with BMI 30-40
- **Colonoscopy Navigator Program**: Reorganized to improve access and efficiency
- **Endoscopy Suites**: Improving patient experience, Improving access and efficiency
- **Development of Montefiore IBD Center**
- **Participate in Immunologic Diseases Center (Tarrytown)**: IBD (Dr. Ullman)
DIVISION OF GENERAL INTERNAL MEDICINE (DGIM)

Julia Arnsten, MD
Chief, Division of General Internal Medicine
Professor of Medicine
Professor of Epidemiology & Population Health
Professor of Psychiatry
Director, Center for Comparative Effectiveness Research

Montefiore Hospital
Albert Einstein College of Medicine
Clinical Programs

4 Ambulatory Teaching Practices
• FCC, CFCC, CHCC, WACC
• 49 Attending Physicians
• 219 Internal medicine residents

Other Locations:
• DoSA
• HIV Center

Unique Programs:
• Resident-run diabetes clinic
• Resident-run opioid management clinic
• Medical marijuana program
• Buprenorphine for opioid use disorder
• HCV screening & treatment
• CICERO HIV primary care program
• Immigrant health clinic
• Survivors of torture program
• Transgender program
• Transition clinic for recently incarcerated patients.

91,633
Total Visits in 2017 for IM Teaching Practices

Joseph Deluca, MD
Associate Division Chief, Clinical Affairs
DGIM Research Funding 2014-2018 (millions of dollars)

Funding Sources: NIH
AAIM, PCORI, CMMS, CDC, NYS-DOH, NYC-DOH, Industry
NIH Career Development Awards

**K23 awards**

- O. Blackstock: Adherence intervention for HIV+ women of color
- A. Fox: Buprenorphine access and treatment in former inmates
- B. Norton: Primary care HCV group medical treatment intervention
- V. Patel: Social media intervention to increase PrEP for MSM of color
- J. Ross: Minimizing loss to HIV care in Rwanda
- A. Sharma: HIV and adiposity in women: bone metabolism effects
- H. Perez: Intervention to increase opioid tapering

**K08 award**

- M. Bachhuber: Leveraging the EHR to reduce opioid prescriptions

**K99 award**

- M. Akiyama: Peer intervention to improve linkage to HCV care

**KL2 award**

- M. Akiyama: Peer intervention to improve HCV treatment linkage following release from jail
Awards & Honors

- **Eva Metalios**: Mid-Atlantic SGIM Award Excellence in Advocacy & Community Service
- **Aaron Fox**: “Peer to Peer” Excellence in Medicine Award, Bronx County Medical Society
- **Tiffany Lu**: NIDA Mentored Training Award in Substance Use Disorder
- **Matthew Akiyama**: NYC DOH Equity in Prevention & Treatment Award
- **Hector Perez**: SGIM Hamolsky Award Finalist; NIH Annual Summer Institute on Randomized Behavioral Clinical Trials Fellowship
- **Jonathan Ross**: SGIM Hamolsky Award
- **Julia Arnsten, Aaron Fox, Joanna Starrels, Shadi Nahvi, Kathy Anastos**: NIH study section ad hoc review panels
- **Jerry Paccione**: Einstein Lifetime Achievement Award
- **Chinazo Cunningham**: Chair, NIH study section; NYS-DOH Commissioner’s Special Recognition Award; Bronx DA’s Heroin Enforcement and Access to Treatment Working Group; NYC Municipal Drug Strategy Council Community Services Board; Staten Island Borough President’s Office Opioid Data Working Group; **Board of Scientific Counselors of the CDC National Center for Injury Prevention and Control**
- **Joanna Starrels**: Expert Consultant on Implementation of CDC Opioid Prescribing Guideline for Chronic Pain; NYC-DOH Buprenorphine Advisory Board; NYS Pain Management Steering Committee; Greater NY Hospital Association Opioid Advisory Committee
- **Sree Raghavan, Jennifer McKenna, Elizabeth Harris, Lauren Shapiro, Serena Roth, Maria Duda**: Davidoff inductees
DIVISION OF GERIATRICS

Joe Verghese, MB, BS
Chief, Division of Geriatrics
Professor of Medicine
Professor of Neurology
Director, Jack and Pearl Resnick Gerontology Center
Director, Division of Cognitive & Motor Aging,
Department of Neurology
Clinical Programs

Inpatient

- Moses:
- Wakefield:
  - Drs. Wanda Horn, Alice Guo, & Randi Rothbaum
  - Orthopedics co-management
  - Pre- and post-op management of all orthopedic patients admitted (>2,000 patients/year)
  - July 2018: Teaching module to all Orthopedics PGY-1’s

Ambulatory

- MAP
- Center for the Aging Brain (CAB)
- Home Visiting Program

Long Term Care

- Kings Harbor Multi Care Center
- Hebrew Home for the Aged
Fall Prevention

MMC Falls Rate Per 1000 Patient Days

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moses</td>
<td>2.83</td>
<td>3.10</td>
<td>2.27</td>
</tr>
<tr>
<td>Einstein</td>
<td>2.54</td>
<td>2.30</td>
<td>1.91</td>
</tr>
<tr>
<td>Wakefield</td>
<td>2.35</td>
<td>2.05</td>
<td>1.36</td>
</tr>
</tbody>
</table>

AHRQ 3-Year Award:
Study the effectiveness of the spread of this intervention in 3 hospital systems
Research

Helena Blumen/Joe Verghese:
- R21 grant: “Social Dancing Intervention for Older Adults at High Risk of Alzheimer’s Disease and Other Dementias”

Helena Blumen, PhD
- KO8 grant

Claudene George, MD
- KL-2 grant

Mirnova Ceide, MD
- KL-2 grant

Center for the Aging Brain: Clinical and Research Center
- Established 2015
- Designated Center of Excellence in AD from NYS-DOH
- Clinical Trials (PATH, IDEAS)
- Teaching
- Publications
DIVISION OF HEMATOLOGY

Henny H. Billet, MD
Chief, Division of Hematology
Professor of Medicine
Professor of Pathology
Hematology Programs

**Thrombosis Prevention and Treatment Program:**
- Director: Henny Billett
- Inpatient consults service
- Ambulatory clinics > 4,000

**Hemophilia Treatment Program:**
- First in > 40 years in region
- > 150 patients in 3 years

**Bone Marrow Service:**
- 96 BMT in 2017
- Women’s Blood Disorders Clinic (together with MFM)

**Sickle Cell Program:**
- Director, Dr. Caterina Minniti, Asst. Director, Dr. Ugochi Ogu
- Outpatient ~ 2,000 visits / year
- Inpatient

**Research Programs:**
- 22 Funded studies

14 Faculty
6 Fellows
6 NP's
DIVISION OF HEPATOLOGY

Allan Wolkoff, MD
Chief, Division Hepatology
Professor of Medicine
Professor of Anatomy & Structural Biology
Herman Lopata Chair in Liver Disease Research
Director, Marion Bessin Liver Research Center
Clinical Operations

Cases

- 49 liver transplants
- 97 patients are on the list awaiting liver transplant
- > 5000 patients with Hepatitis C being followed
- > 100 new cases of HCC / year
- > 1000 adult patients with NAFLD/NASH
- ~ 500 pediatric patients (mean age 12) with NAFLD/NASH
- > 1000 bariatric surgery procedures / year
- 45 pediatric patients with genetic disorders (e.g. Crigler-Najjar (4), propionic acidemia (2), Wilson (5) Alagille (16), PFIC (6)) and 42 with biliary atresia

Photo Credit: Crain’s Buck Ennis
### Research Operations

#### Liver Research Center (LRC)

<table>
<thead>
<tr>
<th>About</th>
<th>Areas of Research:</th>
<th>LRC New Faculty</th>
<th>New Initiatives:</th>
<th>Starfish Program:</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Established 1974</em></td>
<td><em>Liver regeneration</em></td>
<td><em>Carolina Eliscovich, PhD,</em></td>
<td><em>Blood biorepository</em></td>
<td><em>Screen and treat HBV infection</em> (Drs. Sam Sigal and Harmit Kalia)</td>
</tr>
<tr>
<td><em>32 full time &amp; affiliated faculty</em></td>
<td><em>Cell biology of hepatocyte transport mechanisms</em></td>
<td><em>Matt Akiyama, MD,</em></td>
<td><em>Genetic studies in NFLD in Latinos</em></td>
<td></td>
</tr>
<tr>
<td><em>&gt; $14M / year NIH funding</em></td>
<td><em>Hepatic metabolism, inflammation and steatohepatitis</em></td>
<td><em>Robert Singer, PhD,</em></td>
<td><em>Study to identify biomarkers of HCC</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>Jan Vijg, PhD,</em></td>
<td><em>Autophagy in NFLD</em></td>
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<td></td>
<td></td>
<td><em>David Wang, PhD,</em></td>
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<td><em>Jeff Pessin, PhD,</em></td>
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<td><em>Esperanza Arias-Perez, PhD,</em></td>
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<td><em>Eva Billerbeck, PhD</em></td>
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*Montefiore THE UNIVERSITY HOSPITAL*
DIVISION OF HOSPITAL MEDICINE

William Southern, MD, MS
Chief, Division of Hospital Medicine
Professor of Medicine
## Beds / Census

<table>
<thead>
<tr>
<th>Site</th>
<th>Service</th>
<th>Beds/Census</th>
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<tbody>
<tr>
<td>Moses</td>
<td>Teaching Service</td>
<td>100</td>
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<tr>
<td></td>
<td>Hospitalist Service</td>
<td>175</td>
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<tr>
<td></td>
<td>Cardiology</td>
<td>50</td>
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<tr>
<td></td>
<td>Liver</td>
<td>15</td>
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<tr>
<td></td>
<td>Geriatrics</td>
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<tr>
<td></td>
<td>Private Service</td>
<td>75</td>
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<tr>
<td></td>
<td><strong>Total Beds</strong></td>
<td><strong>425</strong></td>
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<tr>
<td>Weiler</td>
<td>Teaching Service</td>
<td>75</td>
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<td>Hospitalist Service</td>
<td>90</td>
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<td></td>
<td>Cardiology</td>
<td>14</td>
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<td></td>
<td>Private Service</td>
<td>60</td>
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<tr>
<td></td>
<td>ED Admission Unit</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td><strong>Total Beds</strong></td>
<td><strong>254</strong></td>
</tr>
<tr>
<td>Wakefield</td>
<td>Teaching Service</td>
<td>110</td>
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<tr>
<td></td>
<td>Private Service</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>ED Hospitalist</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td><strong>Total Beds</strong></td>
<td><strong>160</strong></td>
</tr>
</tbody>
</table>
Research & Publications

Medical Errors
- NICU Errors
- National NICU Survey
- # Records Open

Medical Education
- Implicit Bias
- Hyponatremia
- Obesity Counseling

Quality
- Readmissions
- IV Access

Case Reports
- Psychogenic Adipsia
- Giant Atrium
- Perforated Ulcer
- Anomalous Coronary
- Coronary Embolism Lymphocytic Meningitis

Clinical
- Bronchiolitis
- Opioid Prescribing
- Hyponatremia Rx

Preventing Wrong-patient Errors (Will Southern)
- RCT 1 vs. 4 Records allowed open

Implicit Bias & Medical Education (Cristina Gonzalez)
- Role of Implicit Bias/Education in Health Disparities

Quality Improvement (Sarah Baron)
- C. difficile prevention, Readmissions

Case Reports
- Case Report Working Group
New Innovative Educational Initiative:
- Sub-Interns on Hospital Medicine Faculty service
- Team includes: Attending, 2 Sub-Interns, PA
- Highly positive feedback from students.
DIVISION OF INFECTIOUS DISEASES

Liise-anne Pirofski, MD
Chief, Division of Infectious Diseases
Professor of Medicine
Professor of Microbiology & Immunology
Selma and Dr. Jacques Mitrani Chair in Biomedical Research
New Programs & Initiatives

**Immunocompromised Patient and Transplant (ICT):**
- Expertise in lung transplantation: **Dr. Vagish Hemmige**
- Antibiotic protocols for lung transplant: **Dr. Rachel Bartash**
- Award at American Transplantation Congress: **Dr. Yoram Puiius**

**New AIM Clinic**
- Autoimmune, immune dysregulated, medically immunosuppressed patient
- Rheumatology, Dermatology, GI **Inessa Gendлина**

**Expansion AIDS & Oval Centers**
- New onsite Nephrology
- New HIV program for LGBTQ individuals

**Critical Care Medicine**
- ID Program (Weiler): **Dr. Uzma Sarwar**

**Faculty Development & Fellowship Training**
- Education retreat & Wellness retreat
- New Fellowship Assistant Program Leader: **Rachel Bartash**
- Development of fellowship training site at Wakefield
Infection Prevention/Control, QI, Antibiotic Stewardship

**Infection Prevention/Control: Program Integration**

- IPC Physician director for health system: **Dr. Gregory Weston**
- Health System Epidemiologist: Recruitment ongoing
- MD site Leaders: **Dr. Sun O. Park (Weiler)**, **Dr. Marilou Corpuz (Wakefield)**, recruiting (Moses)

**Quality Improvement (QI)**

- Sepsis and CLABSI Prevention Program: **Dr. Theresa Madaline**
- C. difficile Infection (CDI) team leaders: **Drs. Inessa Gendlina & Sun O. Park**

**Antibiotic Stewardship Program**

- Moses awarded **IDSA Stewardship Center of Excellence distinction**: **Dr. Priya Nori**
- IDSA ASP curriculum for ID fellows: **Dr. Priya Nori**
- National leadership: SHEA ASP committee and ASP track co-chair: **Dr. Priya Nori**
Research: New Funding

Dr. Marla Keller
CTSA Renewal (Co-PI)

Dr. Jacqueline Achkar
R21 (TB)

Dr. John Chan
R21 (TB)

Dr. Theresa Madaline: Einstein GHC Grant

Dr. Kerry Murphy: CFAR pilot project

Dr. Johanna Daily: R21 (Global Health)

Dr. Theresa Madaline FOJP (Hand Hygiene)

Priya Nori: FOJP (Hand Hygiene)

Dr. Gregory Weston – NIH CRACKLE II Subcontract (AR)

Dr. Barry Zingman: U01 Subcontract (immunotherapy for HIV)

Dr. J. Nosanchuk NIH SBIR
DIVISION OF NEPHROLOGY

Michael Ross, MD

Chief, Division of Nephrology
Professor of Medicine
Clinical Programs

Inpatient Nephrology Services
- > 26,000 consults in 2017

Outpatient Nephrology Services
- ~ 41,500 visits in 2017

Outpatient Dialysis Units – 10 Medical Directors
- Outpatient dialysis patients ~ 1,000 patients
- In Center hemodialysis
- Nocturnal in-center hemodialysis
- Home hemodialysis
- Peritoneal dialysis
- 4 new outpatient dialysis Medical Directorships in 2018
**New Faculty & Clinical Initiatives**

**HIV Nephrology Clinic**  
Molly Fisher

**Ambulatory BP monitoring**  
Molly Fisher

**Onco-nephrology Clinic**  
(Jenal complications of malignancy)  
Jyotsana Thakkar

**Reducing preventable ESRD Admissions**  
Ladan Golestaneh

**Multidisciplinary program to improve outcomes in underserved Bronx population with non-dialysis CKD**  
Tanya Johns

**Jyotsana Thakkar**  
Onco-nephrology; CKD/ESRD;  
Acute kidney injury

**Molly Fisher**  
Ambulatory BP Monitoring:  
HIV-related Kidney Disease

**Maureen Brogan**  
Acute kidney injury; Electrolyte Disorders; CKD / ESRD;  
Medical Education

**Wei Chen**  
NIH K23 Award: Vascular Calcification in CKD;  
CKD Mineral and Bone Disorder
Leading Center for CKD Bone & Mineral Disorder Treatment/Research

Clinical Programs

CKD bone diseases
Dr. Maria Coco

Bone Biopsy: Diagnose/manage CKD-bone diseases.
Dr. M. Coco

Nephrolithiasis: Drs. Wei Chen & Deep Sharma
Collaboration with Urology
Dr. Josh Stern

NIH-Funded Programs

Effects of vitamin D on kidney
Dr. Michal Melamed

Skeletal muscle dysfunction in CKD: Dr. Matt Abramowitz

Vascular calcification in CKD
Dr. Wei Chen
Transplant Nephrology

New Transplant Nephrologists

Dr. Luz Liriano-Ward

Dr. Cindy Pynadath

Dr. Yorg Al-Azzi

141 Kidney Transplants in 2017

- Most deceased donor transplants in NY over past 3 years
- Best 3 year survival of deceased donors in NYC

Director: Dr. Enver Akalin

- Co-investigator and site PI of 2 NIH grants
- Industry grants
DIVISION OF PULMONARY DISEASES

Simon Spivack, MD, MPH
Chief, Division of Pulmonary Medicine
Professor of Medicine
Professor of Epidemiology and Population Health
Professor of Genetics
Highlights & Accomplishments

Interventional Pulmonary Medicine Expansion
- One of the busiest IP programs in region
- Dr. Vivek Murthy
- Radial and Linear EBUS, Interstitial biopsies, therapeutic bronchoscopies, stents, valves

Pulmonary Function Test Lab Expansion
MAP (2), Hutch

Sleep Medicine
- Home sleep testing

Asthma Center
- Expansion with more providers
- Asthma Education App (ASTHMAXcel)

Lung transplantation: 31 so far
Research Initiatives

- **Exhaled Airway Biomarkers for Lung Cancer, Asthma** (Spivack)
- **Asthma Outcomes** (Spivack/Jariwala/Rosenstreich)
- **Diagnostic Performance for EBUS/NAV Bronchoscopy** (Shah)
- **Cough Clinical Trials** (Dicpinigaitis)
- **IVC Filter and ICU Outcomes** (Fein)
- **Airway Aging and Lung Cancer** (Spivack)
- **Epidemiologic WTC studies—NIOSH, CDC** (Cleven/Prezant)
- **Tuberculosis Testing, Vulnerability, and Outcomes** (Reddy)
- **Interventional Bronchoscopy Outcomes** (Sadoughi)
- **Tuberculosis Basic immunology** (Porcelli Lab) - NIH (Singh)
Advanced Pulmonary Failure & Lung Transplant Program

Team

Harish Seethamraju, MD, Director
Joshua Lee, MD

Volume: Total 255

- Advanced pulmonary Patients 164
- Evaluated for Lung Transplant 91
- Mean # days from listing to transplant ~ 25

* 2 Bloodless Lung Transplants for Jehovah’s Witness patients
## Advanced Pulmonary Failure & Lung Transplant Program

### Diagnoses of Transplanted Patients

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>IIP: Idiopathic Pulmonary Fibrosis (IPF)</td>
<td>9</td>
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<tr>
<td>Mixed Connective Tissue Dis.</td>
<td>6</td>
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<tr>
<td>COPD/Emphysema</td>
<td>4</td>
</tr>
<tr>
<td>IIP: Nonspecific Interstitial Pneumonia</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Pulmonary Hypertension</td>
<td>1</td>
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<tr>
<td>Pulmonary Fibrosis</td>
<td>1</td>
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### Diagnoses of Waitlisted Patients

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>IIP: Idiopathic Pulmonary Fibrosis (IPF)</td>
<td>21</td>
</tr>
<tr>
<td>COPD/Emphysema</td>
<td>8</td>
</tr>
<tr>
<td>Mixed Connective Tissue Dis.</td>
<td>6</td>
</tr>
<tr>
<td>IIP: Nonspecific Interstitial Pneumonia</td>
<td>5</td>
</tr>
<tr>
<td>Pulmonary Hypertension</td>
<td>5</td>
</tr>
<tr>
<td>Sarcoidosis</td>
<td>3</td>
</tr>
<tr>
<td>Pulmonary Fibrosis</td>
<td>3</td>
</tr>
<tr>
<td>Cystic Fibrosis</td>
<td>2</td>
</tr>
<tr>
<td>Scleroderma</td>
<td>2</td>
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</tbody>
</table>
DIVISION OF RHEUMATOLOGY

Chaim Putterman, MD
Chief, Division of Rheumatology
Professor of Medicine
Professor of Microbiology & Immunology
Highlights & Accomplishments

5 New Faculty Recruitments:
- Drs. A. Kumthekar (Oregon), S. Mahmood (MMC), B. Ayesha (Iowa), R. Jain (Chicago), S. Wang (NYU)

Clinical Programs:
- Teaching Clinics & Faculty Practice (7 Locations)
- Lupus Clinic
- Significant increased productivity (inpatient & outpatient) in 2018
- Special Procedures: Joint aspirations / injections; Bedside U/S

Close clinical / research collaborations: ID, Dermatology, GI, Renal, Peds
Rheumatology Fellowship:

- Highly competitive (> 150 applicants for 3 spots)
- Rigorous didactics including teaching by faculty from musculoskeletal radiology and anatomy
- Pilot site for fellowship curriculum on health disparities and social determinants of health

Dr. Irene Blanco

- Grant to create national health disparities curriculum for Rheumatology fellows
- Grant from OMH & ACR to increase access to clinical trials for minority populations affected by SLE
Research

Publications:
• ~ 45 since 2017

Research Areas
• SLE: pathogenesis, biomarkers, novel therapies, diagnostics, renal disease, cardiovascular disease (C. Putterman, A. Broder, I. Blanco)
• Rheumatoid arthritis: New therapies (C. Tagoe)
• Osteoarthritis: pathogenesis of cartilage disease (J. Hardin)
• Amyloidosis (C. Tagoe)
• Thyroiditis and rheumatic diseases (C. Tagoe)
• Health disparities in rheumatology (I. Blanco)

Pharma and investigator initiated protocols (C. Putterman, A. Broder, S. Wang)
Strategic Plan: Key Areas of Focus

<table>
<thead>
<tr>
<th>Clinical</th>
<th>Research</th>
<th>Education</th>
<th>Diversity</th>
<th>Recruitment &amp; Retention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vaughn Folkert</td>
<td>Michelle Gong</td>
<td>Stephen Baum</td>
<td>Irene Blanco</td>
<td>Julia Arnsten</td>
</tr>
<tr>
<td>William Southern</td>
<td>Liise-anne Pirofski</td>
<td>Eva Metalios</td>
<td>Chinazo Cunningham</td>
<td>Mario Garcia</td>
</tr>
</tbody>
</table>

Timeline

- **Nov. 1, 2017** Planning
- **Mar. 31, 2018** SWOT Analysis
- **July 31, 2018** Working Group Draft Plan
- **Mar. 31, 2019** Finalize Strategic Plan
I can’t change the direction of the wind, but I can adjust my sails to always reach my destination

Jimmy Dean
All evaluations must be done electronically, within 24 hours, in order for you to receive CME credit.

THE CODE FOR TODAY'S PRESENTATION IS:

35DOWN