

MICHELLE NG GONG, M.D. M.S.

Current Address:
Montefiore Medical Center
Main Floor, Gold Zone
111 East 210th Street,
Bronx, New York 10467

Place of birth: Hong Kong
Citizenship: USA

EDUCATION AND POSTGRADUATE TRAINING

Education

- 1986-1990 **University of Pennsylvania**
Philadelphia, Pennsylvania
B.S.E. in Bioengineering
- 1990-1994 **Yale University School of Medicine**
New Haven, Connecticut
M.D.
- 1999 **Harvard School of Public Health**
Boston, Massachusetts
Clinical Effectiveness Program
- 2002-2003 **Harvard School of Public Health**
Boston, Massachusetts
Master of Science in Epidemiology

Postdoctoral Training

- 1994-1995 **Beth Israel Hospital**
Boston, Massachusetts
Intern in internal medicine
- 1995-1997 **Beth Israel Hospital**
Boston, Massachusetts
Resident in internal medicine
- 1997-2001 **Harvard Combined Program in Pulmonary and Critical Care Medicine**
Brigham and Women's Hospital
Boston, Massachusetts
Clinical and Research Fellow in Pulmonary and Critical Care Medicine
- 2017-2018 **Executive Leadership in Academic Medicine**
Drexel University
Philadelphia, Pennsylvania
Fellow

PROFESSIONAL EMPLOYMENT AND HOSPITAL APPOINTMENTS

Academic Appointment

2001-2004	Harvard Medical School <i>Boston, Massachusetts</i> Instructor in Medicine
2004-2009	Mt. Sinai School of Medicine <i>New York, New York</i> Assistant Professor of Medicine
2009-2010	Albert Einstein College of Medicine <i>Bronx, New York</i> Assistant Professor in Medicine Division of Critical Care Medicine Department of Medicine Assistant Professor in Epidemiology and Population Health Department of Epidemiology and Population Health
2010-2015	Albert Einstein College of Medicine <i>Bronx, New York</i> Associate Professor in Medicine Division of Critical Care Medicine Department of Medicine Associate Professor in Epidemiology and Population Health Department of Epidemiology and Population Health
2015-present	Albert Einstein College of Medicine <i>Bronx, New York</i> Professor in Medicine Division of Critical Care Medicine Department of Medicine Professor in Epidemiology and Population Health Department of Epidemiology and Population Health

Hospital Appointment

1994	West Roxbury Veterans Affairs Hospital <i>West Roxbury, Massachusetts</i> Chief Medical Resident
1996-1997	Quincy Hospital <i>Quincy, Massachusetts</i> Medical Staff
1999-2000	Beverly Hospital <i>Beverly, Massachusetts</i> Medical Staff
2001-2004	Massachusetts General Hospital <i>Boston, Massachusetts</i> Assistant in Medicine

2004-2009 **Mt. Sinai Medical Center**
New York, New York
 Assistant Professor in Medicine

2009-present **Montefiore Medical Center**
Bronx, New York
 Director of Critical Care Research
 Jay B. Langner Division of Critical Care Medicine
 Department of Medicine

2016-2019 **Montefiore Medical Center**
Bronx, New York
 Associate Director of Academic Affairs
 Jay B. Langner Division of Critical Care Medicine
 Department of Medicine

2019-present **Montefiore Medical Center**
Bronx, New York
 Chief
 Jay B. Langner Division of Critical Care Medicine
 Department of Medicine

2020-present **Montefiore Medical Center**
Bronx, New York
 Chief
 Division of Pulmonary Medicine
 Department of Medicine

Other Professional Appointments

2004-2009 **Massachusetts General Hospital**
Boston, Massachusetts
 Research Affiliate

2006-2014 **Harvard School of Public Health**
Boston, Massachusetts
 Visiting Scientist

2006-2009 **Center of Excellence in Epidemiology, Biostatistics, and Disease Prevention**
 Mount Sinai Medical Center
New York, New York
 Member

BOARD CERTIFICATION

1997 American Board of Internal Medicine
 Internal Medicine

1999 American Board of Internal Medicine
 Pulmonary Medicine

- 2000 American Board of Internal Medicine
Critical Care Medicine
- 2012 American Board of Internal Medicine
Palliative Care Medicine

AWARDS AND HONORS

- 2001-2006 NIH Health Disparity Scholar
- 2001-2006 Mentored Patient Oriented Research Career Development Award
- 2005 Mount Sinai Best Medical Grand Rounds Presentation Award
- 2007 Mount Sinai Teaching Excellence Award
- 2008 Dr. Harold and Golden Lamport Research Award for Achievements in Clinical Research
- 2011 Association of American Medical College Mid-Career Women Faculty Professional Development Seminar: Selected by Albert Einstein College of Medicine after competitive application
- 2013 ATS Innovation in Fellowship Education Award, Lead Author
- 2018 Completion award, Hedwig van Ameringen Executive Leadership in Academic Medicine program, Drexel University
- 2020 Gotham Icon Award, Museum of the City of New York

OTHER PROFESSIONAL ACTIVITIES

- 1999-present Ad Hoc Reviewer for:
American Journal of Respiratory and Critical Care Medicine
Anesthesiology
Critical Care Medicine
European Respiratory Journal
Intensive Care Medicine
Journal of Cellular and Molecular Medicine
Journal of Clinical Investigation
Journal of Critical Care
Transfusion
Chest
- 2006 **American Thoracic Society International Meeting**
San Diego, California
Co-Chair of Poster Discussion Session: "Acute Lung Injury: Biomarkers, Genes and Population"
- 2007 **Association of Professors of Medicine Consensus Conference**
"Revitalization of the Nation's Physician-Scientist Workforce"
Washington DC
Invited Participant
- 2008 **Endocrine Fellows Foundation**
Grant Reviewer
- 2009 **NIH/NIGMS Grant Review Panel on Phase II Clinical Trial in Septic Shock**
Ad Hoc Reviewer
- 2010 **NIH/NHLBI Grant Review Panel on Phase II Clinical Trials of Novel Therapies for Lung Diseases**

Reviewer

- 2011 **American Thoracic Society International Conference**
Denver, Colorado
Thematic Poster Session: ARDS
Session Facilitator
- 2011 **Association of American Medical College Mid-Career Women Faculty Professional Development Seminar**
Austin, Texas
Invited Participant
Nominated by Albert Einstein College of Medicine after a competitive application
- 2011-2012 **NIH/NIGMS Special Emphasis Panel on Phase III Clinical Trials**
Reviewer
- 2012-2017 **Annals of the American Thoracic Society**
Deputy Editor of Critical Care Section
- 2013 **American Thoracic Society International Conference**
Philadelphia, Pennsylvania
Thematic Poster Session: ICU Outcomes
Session Facilitator
- 2013 **American Thoracic Society International Conference**
Philadelphia, Pennsylvania
Mini-symposium: Randomized and Observational Studies in Critical Care
Senior Co-Chair
- 2014 **Expert Committee for the 2015 Innovation Fund**
Canada Foundation for Innovation
Invited reviewer
- 2017 **NIH/NINDS Grant Review Special Emphasis Panel on Strategies to Innovate EmergENcy Care Clinical Trials Network (SIREN)**
Reviewer
- 2018 **NIH/NIBMS Grant Review Special Emphasis Panel Clinical Trial Planning**
Reviewer

Chair Positions

- 2014-2018 **Institutional Support Committee**
PETAL Network
Chair
- 2015-2017 **LOTUS Protocol Committee**
PETAL Network
Chair
- 2016-2017 **International Conference Critical Care Programming Committee**
American Thoracic Society

Chair-Elect

- 2017-2018 **International Conference Critical Care Programming Committee**
American Thoracic Society
Chair
- 2017-2019 **NHLBI PETAL Network Electronic Data and EHR-Embedded Clinical Trials Working Group**
PETAL Network
Co-chair
- 2020-present **ACTIV-4 Steering Committee**
Network lead
PETAL Network Lead
- 2021-2023 **Critical Care Assembly**
American Thoracic Society
Chair
- 2022-present **Data Safety and Monitoring Board**
REPLENISH Trial
Principal Investigator: Dr Yaseen Arabi
Clinicaltrials.gov identifier: NCT04475666
Chair
- 2023-present **NHLBI ARDS Pneumonia Sepsis Consortium Steering Committee**
Chair
- 2021-2023 **Critical Care Assembly Nominating Committee**
American Thoracic Society
Chair

Committee Service

- 2011-present **United States Critical Illness and Injury Trials Group**
Steering Committee
- 2011-present **Awards Committee**
Albert Einstein College of Medicine
Committee member
- 2011-2013 **Critical Care Program Committee**
American Thoracic Society
Committee member
- 2011-present **Administrative Council**
USCIITG Prevention Of Organ Failure (PROOF) Group
Executive Member
- 2011-present **Ancillary Studies and Publication Committee**
USCIITG Lung Injury Prevention Study Group
Committee member

2012-2013	USCIITG Program for Emergency Preparedness (USCIITG PREP) Committee Member
2012-2013	USCIITG Program for Emergency Preparedness - Influenza / Pandemic MiniGroup Group Leader
2013-present	Critical Care Planning Committee for International Conference American Thoracic Society Committee member
2014-2017	Associate Director of Informatics US Critical Illness and Injuries Trials Group Executive Officer
2014-2017	Clinical Practice Guidelines for Liberation from Mechanical Ventilation American College of Chest Physicians/ American Thoracic Society Panelist
2014-2020	ROSE Protocol Committee PETAL Network Committee member
2015-2016	Outcomes Committee PETAL Network Committee member
2016-present	Discovery Network Society of Critical Care Medicine Steering Committee Member
2017-2019	COROLLA Protocol Committee PETAL Network Committee member
2019-2021	Discovery Oversight Committee Society of Critical Care Medicine Committee member
2020-present	ACTIV-4 Steering Committee Network lead
2020-present	ACTIV-4 Protocol Committee Member
2022-present	Critical Care Planning Committee American Thoracic Society Member

ADMINISTRATION/CLINICAL COORDINATION

Developed the Mount Sinai Medical Center's Glycemic Control Insulin Protocol for the Medical Intensive Care unit in 2005:

- Developed and implemented the protocol
- Monitored the protocol for safety and efficacy
- Meet regularly with nursing staff and physicians for education and training
- Revision of the protocol to incorporate changes as suggested by the nurses and as indicated by the safety and efficacy of protocol in action.
- Interact and advise the diabetologists in the Endocrine division in their plans to broaden glucose control hospital-wide, given the success of the protocol and its implementation in the MICU.
- Resulting protocol was successful with median glucose prior to starting the insulin protocol at 222 mg/dl (range 113-503) falling to 112 mg/dl (range 36-509) in patients after initiation of protocol. Hypoglycemia (glucose \leq 40 mg/dl) was rare and occurred in 0.1% of all glucose measurements affecting 2/31 (6%) of patients. This compares favorably with prior published rates in other medical and mixed medical and surgical ICU's

Developed the Sedation and Delirium Protocol for patients on mechanical ventilation in the ICUs of Montefiore Medical Center 2012

- Developed and implemented the protocol
- Conducted the education of nurses and physicians
- Worked with pharmacy and hospital informatics team to develop sedation order sets
- Resulting protocol resulted in a significant 18% decrease in the use of midazolam and 22% decrease in use of fentanyl and 14% rates of delirium in the intensive care unit.

Implemented the Early Mobilization Program in the Moses MICU at Montefiore Medical Center 2013

- Formed a multidisciplinary team of physical therapist, rehabilitation medicine, respiratory therapist and critical care nurses to develop an early mobilization program for critically ill patients in the intensive care unit
- Successfully reduced duration of mechanical ventilation by 1 day and reduced decubitus ulcers by 7%, use of restraints by 16% and new tracheostomy by 3%.
- Using a Difference-in-Difference analysis comparing the hospital costs before and after the implementation of the Early Mobilization Program in the Moses MICU vs the same time period in the Weiler MICU where early mobilization was not implemented, we showed that the Early Mobilization Program resulted in a 24.2% reduction in total ICU cost (95% CI -41.4% to -2.0%, $p=0.034$) and a 30.2% reduction in total hospital cost (95% CI -46.1% to -9.5%, $p=0.007$) for an estimated savings in the first 6 months of the program of \$1,511,664 (95% CI: \$387,450, \$2,988,025).

Implemented and evaluated the ROAMING (Remote Observation And Monitoring with the INTelliview Guardian Solution) Outside of the ICU project in 2016

- In conjunction with the Montefiore Network Performance Group and their grant from FOJP to decrease adverse events in the hospital, developed an implementation and evaluation plan to provide remote monitoring of critically ill patients outside of the ICU who are waiting for ICU transfer or who require critical care follow-up. This involved networking mobile monitors to hospital infrastructure to provide real time remote monitoring and alerts to critical care consult team anywhere in the hospital and allow for increased monitoring of any patient in the hospital for acute deterioration.
- Demonstrated a trend towards decreased likelihood of death or adverse event in the hospital with the implementation of the ROAMING project (OR 0.55 95% CI 0.27-1.1)

Lead the Critical Care response to COVID-19 Pandemic

- Lead the expansion of critical care by tripling the number of ICU beds in the hospital system within 2 weeks to accommodate over 1100 COVID+ patients in the hospital system,
- Deployed a Critical Care Command Center and doubling the number of intensivists available for tele-ICU capacity and emergency response to critically ill patients in the expanded ICUs and anywhere else in the hospital
- Launched 3 large COVID clinical trials (ACTIV3, ACTIV4, ORCHID) during the pandemic

Added a new bronchoscopy suite and interventional pulmonary program to Montefiore Medical Center

- Hired 2 new interventionist and increased the number of advanced bronchoscopic procedures at Montefiore by 250%
- Initiated bedside percutaneous tracheostomy program
- Became one of the first hospitals in New York to do advanced robotic-assisted bronchoscopic biopsies of peripheral pulmonary nodules under 3D CT guidance

Teaching/Medical Education

Courses

2006-2007	<p>Mount Sinai School of Medicine Pulmonary and Critical Care Fellowship Program <i>New York, New York</i> Course Director Introduction to the Basics of Clinical Research Created, directed, and taught a 12 week summer research series on basics of study design, statistics, data analyses and presentation</p>
2010-2012	<p>Montefiore Medical Center Division of Critical Care Medicine <i>Bronx, New York</i> Director Multidisciplinary Critical Care Research Seminar</p>
2012-present	<p>Montefiore Medical Center Division of Critical Care Medicine <i>Bronx, New York</i> Course Director Reading and interpreting Clinical Studies Created, directed, and taught a 4 session research series on basics of study design, statistics, data analyses and presentation in critical care research</p>
2012-2013	<p>Montefiore Medical Center Division of Critical Care Medicine <i>Bronx, New York</i> Course Developer Communication in the Intensive Care Unit Co-created and taught a series of simulation sessions for critical care fellows to learn to develop communication skills for common clinical scenarios involving critically ill patients such as discussions on goals of care, a trial of critical care, and failure to wean from mechanical ventilation. This initiative won the ATS 2013 Innovation in Fellowship Education Award.</p>

2016-present **Montefiore Medical Center**
Division of Critical Care Medicine
Bronx, New York
Course Developer
Critical Care Fellow Mentored Independent Projects
Created, organized, and served as mentor for program by which 2nd year fellows are matched to a research, education, or quality improvement project that they will work on with a mentor for the entire 2nd year of their fellowship. This includes structured mentor-mentee contracts that define the scope of expectations, quarterly work in progress meetings, and presentation by fellow in Critical Care Grand Rounds.

Lectures/Conferences

2000-2004 **Massachusetts General Hospital: Harvard Combined Program**
Pulmonary and Critical Care Fellowship Program
Boston, Massachusetts
Lecturer
Update in Management of Sepsis

2004-2005 **Mount Sinai School of Medicine**
New York, New York
Seminar Instructor for medical students on acid-base disorders, acute respiratory failure, pulmonary nodules

2005-2009 **Mount Sinai School of Medicine**
New York, New York
Lecturer to medical students
Epidemiology of Acute Lung Injury

2005 **Mount Sinai School of Medicine**
Pulmonary and Critical Care Fellowship Program
New York, New York
Facilitator for Work in Progress Research Conference:
One of the creators of a biweekly research conference for staff and fellows involved in clinical research

2005 **Mount Sinai School of Medicine**
Pulmonary and Critical Care Fellowship Program
New York, New York
Lecturer
Basics of Study Design

2006 **Mount Sinai School of Medicine**
Medical Resident Noon Conferences
New York, New York
Lecturer
Bronchiectasis

2007 **Mount Sinai School of Medicine**
Pulmonary and Critical Care Fellowship Program
New York, New York
Lecturer
Interpretation of Clinical and Epidemiologic Studies

- 2007-2008 **Mount Sinai School of Medicine**
Pulmonary and Critical Care Fellowship Program
New York, New York
Lecturer
Epidemiology, Diagnosis, Prevention and Management of ALI/ARDS
- 2010-present **Montefiore Medical Center**
Critical Care Fellowship Program
Bronx, New York
Lecturer
Epidemiology, Diagnosis, Prevention and Management of ALI/ARDS
- 2010-present **Montefiore Medical Center**
Critical Care Fellowship Program
Bronx, New York
Lecturer
Human Subject Protection in Clinical Research in Critical Care
- 2010-2012 **Montefiore Medical Center**
Critical Care Fellowship Program
Bronx, New York
Lecturer
Can Lung Injury be Prevented: Checklist for Lung Injury Prevention
- 2013-present **Montefiore Medical Center**
Critical Care Grand Rounds
Bronx, New York
Developer and Co-Creator

Training Record

NAME	LEVEL OF TRAINEE	ROLE IN TRAINING AND INCLUSIVE DATES OF TRAINING	TRAINING VENUE	TRAINEE'S CURRENT STATUS & INSTITUTION EMPLOYED
Vinayak Jha, MD	Pulmonary and Critical Care Fellow	2004-2005	Pulmonary and Critical Care Fellowship	Attending Physician, Pulmonary & Critical Care Medicine Sutter Health California Pacific Medical Center
Shyoko Honiden, MD, MS	Pulmonary and Critical Care Fellow	2006-2007	Pulmonary and Critical Care Fellowship	Associate Professor of Medicine Associate Program Director, Critical Care Fellowship Director, Medical Intensive Care Unit Yale School of Medicine
Atara Schultz, MD	Medical Resident	2006-2007	Residency research project	Endocrinologist, Summit Health, Teaneck, NJ
Shelly Ahn Im, MD	Medical Resident	2006-2007	Residency research project	Endocrinologist, Westmed Medical Group, Yonkers, NY

David A. Kaufman, MD	Assistant Professor at Mount Sinai	2007-2008	Research	Clinical Associate Professor in Medicine Director of Clinical Innovation and Education, Medical Critical Care NYU Grossman School of Medicine
Jennifer A. Frontera, MD	Assistant Professor in Neurology	2007-2008	Research	Professor of Neurology and Neurocritical Care at NYU Grossman School of Medicine
Reka Salgunan, MD	Medical resident	2007-2008	Residency research project	Attending Physician, Jacobi Medical Center Associate Fellowship Director Pulmonary and Critical Care Medicine Albert Einstein College of Medicine
Joseph M. Truglio, MD, MPH	Medical resident	2008-2009	Mentor for thesis in Masters of Public Health and Residency research project	Assistant Professor in Medicine, Pediatrics and Medical Education Program Director for the Combined Internal Medicine and Pediatrics Residency Program Icahn School of Medicine at Mount Sinai
Sean Sadikot, MD	Medical resident at Mount Sinai	2008-2009	Residency Research project	Attending Physician Hackensack University Medical Center
Kathleen Lee, MD	2 nd year medical student	2008-2009	Doris Duke Research Fellowship	Instructor of Medicine Harvard Medical School Clinical Chief, Section of Palliative Care Beth Israel Deaconess Medical Center
Graciela Soto, MD	Assistant Professor in Medicine	2009-15	Research mentor for Clinical Research Training Program	Associate Professor of Clinical Medicine Albert Einstein College of Medicine Montefiore Medical Center
Sharon Leung, MD, MS, MHA	Fellow in Critical Care Medicine	2009-12	Research mentor for Clinical Research Training Program	Professor of Clinical Medicine, Albert Einstein College of Medicine Associate Director for Clinical Affairs, Montefiore Medical Center *Graduated with Distinction from CRTP
Shun Yu, MD	Medical student	2010-2013	Summer 2010 Research Fellowship	Clinical Assistant Professor in Medicine NYU Grossman School of Medicine

			Research Electives 2012-2014	American Thoracic Society Abstract Scholarship Award Recipient in 2013 Harold and Muriel Block Institute for Clinical and Translational Research Award for Excellence Recipient 2014
Amy S. Law, MD	Medical student	2010	Summer 2010 Research Fellowship	Radiologist, CP Advanced Imaging New York, NY
Brian Yuen, MD	Medical student	2010	Summer 2010 Research Fellowship	Cardiologist Northwell Health
S. Jean Hsieh, MD	Assistant Professor in Medicine	2010- 2017	Research	Associate Professor in Medicine Icahn School of Medicine at Mount Sinai *Graduated with Distinction from CRTP NIA R03 Awardee 2011-2013 Mentored KL2 Clinical/Translational Research Career Development Awardee 2012-2015 NIH Loan Repayment Awardee
Aluko Hope, MD, MS	Fellow in Critical Care	2011-2021	Research	Associate Professor in Medicine Oregon Health & Sciences University NIH Loan Repayment Awardee NIA GEMSTAR R03 Awardee 2015-2017 K01 Awardee
Michael Shusterman, MD	Medical student	2011	Research	Clinical Assistant Professor in Medicine NYU Grossman School of Medicine
Purnema Madahar, MD	Resident	2011-12	Research	Assistant Professor of Medicine, Columbia University Irving Medical Center Assistant Director, Medical Intensive Care Units and the Medical Critical Care Services at Milstein Hospital Chief Medical Resident at Montefiore 2013-2014 American Thoracic Society Travel Award Recipient in 2012 to present her research

				Honorable Mention for Resident/Fellow Research Symposium in 2012.
Alfredo Lee Chang, MD	Resident	2012	Research	Attending Physician, Reliant Pulmonary Medical Group Monterey Park, CA
Ajsza Matela, MD	Resident	2012	Research	Attending Physician, Westchester Medical Center
Michael Kuo, MD	Medical student	2012	Research	Endocrinologist, St. Jude Heritage Fullerton Fullerton, CA
Dahlia Townsend, MD	Medical student	2012	Research	Clinical Assistant Professor in Anesthesiology and Perioperative Medicine University of Pittsburgh Medical Center
Catherine Wu, MD	Medical student	2013	Research	Associate Professor of Obstetrics and Gynecology George Washington School of Medicine & Health Sciences
Yosefa Hefter, MD	Medical student	2013-14	Research	Medical Affairs Manager, Vaccines Medison Pharma Einstein Research Fellowship Award Recipient 2014 Clinical Distinction in Research 2014
Alexander Petti, MD	Medical student	2014	Research	Fellow in CCM Medicine Montefiore Medical Center
Mariana Hurtado-Sbordoni, DO	Medical resident	2014	Research	Hospitalist, Long Island-Northwell Plainview Hospital
Yunchao Xu, PhD	Graduate student	2014-16	Research	Senior Data Scientist - Inference & Algorithms at LinkedIn Sunnyvale, CA
Isaac Shalom, MD	Fellow, Pulmonary and Critical Care	2015-16	Research	Attending Physician, Pulmonary, Critical Care and Sleep Medicine, Brooklyn VA Hospital, Brooklyn, NY
Joshua Pearl, MD	Medical resident	2015-16	Research	General Surgeon Milwaukee, WI
Michael Andreae, MD	Associate Professor of Anesthesiology	2015-16	Research	Anesthesiology Attending, Penn State Health/Milton S. Hershey Medical Center Albert Einstein College of Medicine CRTP graduate
Teresa Wu, MD	Medical student	2015-16	Research	Staff Physician, Vascular Medicine Cleveland Clinic
Marshall Yuan, MD	Medical resident	2015-16	Research	Clinical Assistant Professor of Medicine Keck School of Medicine of USC

				Chief Medical Resident, Montefiore Medical Center, 2017-18
Brittany Gary, MD	Medical resident	2015-16	Research	Researcher and Physician in Pulmonary and Critical Care Medicine Weill Cornell Medicine
Chao-Ping Wu, MD	Medical resident	2015-17	Research	Attending Physician, Critical Care Medicine Cleveland Clinic Winner, Original Research, Fulop Poster Competition
Olufisayo Otusanya, MD	Medical resident	2015-17	Research	Pulmonologist, Piedmont Physicians Pulmonary & Sleep Medicine of Stockbridge Stockbridge, GA Winner, Quality Improvement and Patient Safety Initiatives, Fulop Poster Competition
Jen-Ting Chen, MD	Assistant Professor in Medicine	2016-2022	Research Mentor 2016 - 2022	Associate Professor in Medicine University of California San Francisco School of Medicine
Janey Wong, DO	Medical resident	2016	Research	Critical Care Attending Lutheran Health Network Fort Wayne, IN
Elizabeth Chuang, MD	Assistant Professor, Family & Social Medicine	2016-present	Research Mentor 2016 – present	Assistant Professor, Family & Social Medicine, Montefiore Medical Center NYS ECRIP Research Fellowship KL2 Recipient K23 Recipient
Elissa Szalkiewicz, MD	Medical resident	2016	Research	Assistant Professor of Medicine Columbia University Medical Center
Sean Hickey, MD	Medical student	2016	Research	Critical Care Medicine Fellow, UCLA Medical Center
Jorge Ataucuri- Vargas, MD	Medical resident	2016-18	Research	Pulmonologist Cleveland Clinic
Cassidy Dahn, MD	Fellow in Critical Care	2016-18	Research	Clinical Assistant Professor, Associate Chief of Service Ronald O. Perelman Department of Emergency Medicine NYU Grossman School of Medicine
Douglas Barnaby, MD	Assistant Professor, Emergency Medicine	2016-18	Research Mentor	Assistant Professor, Institute of Health System Science, Feinstein Institutes for Medical Research

				Assistant Professor, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell
Sapna Siddharth, MD	Fellow in Critical Care	2016-18	Research	Critical Care Attending Springfield Clinic Springfield, IL
Charles Murphy, MD	Medical resident	2017-2019	Research	Assistant Professor Pulmonary and Critical Care Co-Director, HHT Center for Excellence Columbia University Irving Medical Center
Shahistha Hameed, MD	Medical resident	2017	Research	Pulmonologist, HCA Houston Healthcare Clear Lake League City, TX
Paraschos Archontakis Barakakis, MD	Medical resident	2018-2020	Research	Internist, DeKalb Health- Auburn Auburn, IN
Ann Wang, MD	Medical resident	2018-2020	Research	Pulmonary & Critical Care Fellow, Icahn School of Medicine at Mount Sinai
Sahil Virdi, MD	Medical resident	2018-2021	Research	Pulmonary & Critical Care Attending, United Hospital Center West Virginia University School of Medicine
Carla Rosenzvit, MD	Medical resident	2018-2020	Research	Pulmonary & Critical Care Fellow, Montefiore Medical Center
Ching Reisig, MD	Medical resident	2018	Research	Hospitalist, South Shore Health South Weymouth, MA
Karen Yang, MD	Medical resident	2018-2020	Research	Pulmonary & Critical Care Fellow, NYU Langone
Ryan Fiter, MD	Medical student	2018-2019	Research	Pulmonary & Critical Care Fellow, Montefiore Medical Center
Linda Benes, MD	Medical resident	2018-2020	Research	Pulmonary & Critical Care Fellow, NYU Langone Health
Michael Aboodi, MD	Clinical Research Fellow	2018-2020	Research	Pulmonary & Critical Care Fellow, Weill Cornell Medical Center
Ryan Malik, MD	Fellow in Critical Care	2018-2020	Research	Pulmonologist Denver, CO
Omar Sanon, MD	Medical student	2018	Research	Vascular Surgery Resident Lenox Hill Hospital
Pablo Cuartas, MD, MS	Medical student	2018	Research	General Surgery Resident SUNY Downstate Medical Center
Nikita Agrawal, MD	Medical resident	2018-2020	Research	Pulmonary & Critical Care Fellow, Icahn School of Medicine at Mount Sinai
Kaitlyn Philips, DO	Assistant Professor,	2018-2022	Research	Chief of Quality

	Clinical Pediatrics			Hackensack Meridian Children's Health KL2 Learning Environment Awardee
Jee Young You, MD	Medical resident	2019-2021	Research	Pulmonary & Critical Care Fellow, Cleveland Clinic
David Schechter, MD	Medical resident	2019-2021	Research	Pulmonary & Critical Care Fellow, Montefiore Medical Center
Obiageli Ofor, MD, MPH	Medical resident	2019-2021	Research	Pulmonary & Critical Care Fellow, Johns Hopkins
Seth Jeong	Medical student	2019	Research	Medical Resident, Medical University of South Carolina
Michael Kiyatkin, MD	Assistant Professor, Anesthesiology	2019-present	Research	Assistant Professor, Department of Anesthesiology Montefiore Medical Center
Christa McPhee, MD	Medical resident	2020-2021	Research	Pulmonary & Critical Care Fellow, Icahn School of Medicine at Mount Sinai
James Brogan, MD	Medical student	2020-2022	Research	Internal Medicine Resident, Vanderbilt University Medical Center 2021 AQA Carolyn L. Kuckein Student Research Fellowship
Rahul Nair, MD	Clinical Research Fellow	2020-2021	Research	Pulmonary & Critical Care Fellow, Montefiore Medical Center
Elise Ruan, MD	Medical resident	2020-2022	Research	Clinical Informatics Fellow, New York Presbyterian Hospital/Columbia University
Parth Pancholi, MD	Medical resident	2020-2022	Research	Pulmonary & Critical Care Fellow, Northwell Health
Martin Hoang, MD	Medical resident	2020-2022	Research	Critical Care Fellow, Montefiore Medical Center
Peter Nauka, MD	Medical resident	2020-2022	Research	Pulmonary & Critical Care Fellow, University of Pittsburgh Medical Center
Manuel Hache Marliere, MD	Medical resident	2020-2022	Research	Chief Medical Resident, Jacobi Medical Center
Mahmuda Akhter, MD	Medical resident	2020-2022	Research	Nephrology Fellow, New York Medical College
Roshni Shah, MD	Medical resident	2021-2022	Research	Internal Medical Resident, Montefiore Medical Center
Aditi Desai, MD	Medical resident	2021-2022	Research	Hospitalist, Westchester Medical Center
Ari Moskowitz, MD	Assistant Professor, Critical Care Medicine	2021-present	Research	Associate Professor in Medicine Albert Einstein College of Medicine Montefiore Medical Center K23 Recipient
Aron Soleiman, MD	Medical resident	2021-present	Research	Pulmonary & Critical Care Fellow, Northwell Health

Alex Li, MD	Medical resident	2021-present	Research	Internal Medical Resident, Montefiore Medical Center
William Nkendirim, MD	Clinical Research Fellow	2021-2022	Research	Internal Medicine Resident, Montefiore Medical Center
Luke Andrea, MD	CCM Fellow	2022-present	Research	Assistant Professor in Medicine Albert Einstein College of Medicine Montefiore Medical Center
Christine Shen	Medical student	2022-present	Research	Medical Student Albert Einstein College of Medicine
Devin Videlefsky	Medical student	2022-present	Research	Medical Student Albert Einstein College of Medicine
Iris Aimlin, MD	Medical resident	2022-present	Research	Internal Medical Resident, Montefiore Medical Center
Victoria Twito, MD	Medical resident	2022-present	Research	Chief Medical Resident, Montefiore Medical Center
Alban Cela, MD	Medical resident	2022-present	Research	Internal Medical Resident, Montefiore Medical Center

RESEARCH

1990-1994

Yale University School of Medicine

New Haven, Connecticut

Preceptor: Ravinder Nath, PhD

Investigated the 3-dimensional dosimetry of Iodine-125 interstitial implants in prostate cancer and their relation to local tumor control.

1999 – 2003

Massachusetts General Hospital

Harvard School of Public Health

Boston, Massachusetts

Mentor: David C. Christiani, MD

Research on clinical risk factors and genetic susceptibility to developing acute respiratory distress syndrome and septic shock.

2003-2009

Mount Sinai School of Medicine

New York, New York

Research interest included role of intensive insulin therapy on the development of ARDS, timing and efficacy of intensive insulin therapy in critically ill patients, surrogate consent issues in critical care research, genetic susceptibility to developing acute lung injury.

2008-2010

US Critical Illness and Injury Trials Group

Lung Injury Prevention Study Group

Was the site investigator in a multicenter study to determine and validate a Lung Injury Prediction Score to estimate risk of developing ALI/ARDS in patients admitted to the hospital with a risk factor for lung injury or high risk elective surgery.

2008-present

US Critical Illness and Injury Trials Group

PROOF: Prevention of Organ Failure

Conducting cohort studies and clinical trials aimed at predicting and preventing development of acute organ failure such as ALI/ARDS and complications from acute organ failure.

2009-present

Montefiore Medicine Center
Albert Einstein College of Medicine
Bronx, New York

Research areas included interaction between metabolism and development of ARDS efficacy of intensive insulin therapy in patients at risk for lung injury, surrogate consent issues in critical care research, genetic susceptibility to developing acute lung injury, multicenter critical care studies on risk predictors for development of ALI/ARDS, clinical trials in critical care, ventilator management of patients with acute lung injury, and delirium and cognitive decline in critically ill patients in the intensive care unit.

2011-2016

Montefiore Medicine Center
Albert Einstein College of Medicine
Bronx, New York

LIPS-A: Lung Injury Prevention Study with Aspirin

Co-Principal Investigator for a multicenter, double blind, randomized control trial aimed to determine the safety and utility of aspirin to decrease development of acute lung injury and other pulmonary and non-pulmonary organ failure in patients determined to be a high risk for lung injury.

2012-2016

Montefiore Medicine Center
Albert Einstein College of Medicine
Bronx, New York

Patient Centric Electronic Environment for Improving Acute Care Hospital Performance
ProCCESs AWARE

Co-Principal Investigator and Leader of the implementation core in a multicenter study to implement and test the ability of a cloud-based electronic data integration, assimilation, and decision support tool to improve adherence to best care practices and outcomes.

2013-present

Montefiore Medicine Center
Albert Einstein College of Medicine
Bronx, New York

Predicting and Preventing Long Term Cognitive and Functional Outcomes after Acute Critical Illness.

Research areas include investigations into early mobilization, role of pre-ICU trajectories in short and long term outcomes, and prevention of delirium and cognitive impairment.

2014-present

Montefiore Medicine Center
Albert Einstein College of Medicine
Bronx, New York

Predicting and Preventing Clinical Deterioration and Acute Organ Failure in Hospitalized Patients.

Research areas include prediction scores using electronic medical records to identify patients at high risk for mortality and prolonged mechanical ventilation and pragmatic trials looking at big data and electronic interventions to prevent acute organ dysfunction and progression.

2014-present

NHLBI PETAL Clinical Trials Network

Co-principal investigator in a multicenter clinical trials network investigating interventions aimed at the early treatment and prevention of ARDS and other acute critical illnesses

2018-present

Montefiore Medicine Center
Albert Einstein College of Medicine
Bronx, New York

Use of mixed methodology including big data analysis of electronic health record data, machine learning, implementation science and cognitive studies to design and test clinical decision support tools to promote evidence-based best practices in ARDS and acute respiratory failure

Past Grant Support

5T32 HL07633

Wohl

7/1/99-6/30/01

NIH/NHLBI

Integrated Training in Respiratory Research

1 K23 HL60197

Gong

7/1/01-5/31/07

NIH/NHLBI

Total costs: \$649,755

Molecular Epidemiology of ARDS and Septic Shock

To examine the genetic susceptibility to developing ARDS and septic shock and to poor outcomes in ARDS and septic shock.

Role in Project: Principal Investigator

No Number

Christiani

12/20/05-6/30/07

Roche Diagnostic

Prognostic and Diagnostic Utility of NT-pro BNP, Troponin T and C-Reactive Protein in Acute Respiratory Distress Syndrome

Role in Project: Sub-investigator

HHSN268200425210C

Morris

9/1/07-10/31/08

NHLBI

Clinical Process Control Improvement with a Bedside Computerized Insulin Therapy for Blood Glucose Control in Adult and Pediatric Intensive Care Unit Patients:

Second Phase (Phase-2): Distribution and Implementation of Validated eProtocol-insulin in Naïve ICUs

To examine the effectiveness, safety, acceptance and implementation of a computerized protocol to guide the use of insulin therapy in the intensive care unit for glucose control.

Role in Project: Site Principal Investigator

1 U01 AI107017

Murphy

8/1/06-6/30/09

NIH/NIAID

The Genomics of Chronic Renal Allograft Rejection

to examine the genetic susceptibility to developing chronic renal allograft rejection. Participated in the writing of the grant.

Role: Co-Investigator

No Number

Buettner

9/30/08-8/31/09

MSSM Innovation Grant

Brain Insulin and Leptin Signaling As a Regulator of Inflammation

To determine the effect of insulin and leptin administered intracerebrally on systemic inflammation and lung injury

Role in Project: Co-Investigator

R01 HL060710 NIH/NHLBI Molecular Epidemiology of ARDS To examine the association between specific polymorphism's for specific inflammatory responses and their potential association with increased susceptibility to ARDS and potential interaction with age and risk factor for ARDS. Role in Project: Co-Investigator	Christiani	4/1/06-3/31/10
1P50HL081027 NIH/NHLBI Transfusion and Lung Injury To determine the incidence, clinical risk factors, immunologic response and genetic susceptibility to developing transfusion related acute lung injury. Role in Project: Consultant on the genetic susceptibility study	Toy	9/30/05-8/31/10
R01 HL084060 NHLBI Surrogate Consent in Research To examine the variability of Institutional Review Board practices for surrogate consent for research in incapacitated adults and the extent of disagreement between patients and their surrogates regarding participation in critical care research studies with differing risk/benefit ratios with and without genetic testing. Role in Project: Principal Investigator	Gong	8/4/06-6/30/12 Total costs: \$2,056,928
AST-111 Astute Medical SAPPHIRE: Evaluation of Novel Biomarkers from Acutely Ill Patients at Risk for Acute Kidney Injury This is a multicenter prospective cohort study to validate a panel of biomarkers to predict for the development of acute kidney injury in patients admitted to the intensive care unit. Role in Project: Site Principal Investigator	Kellum	1/1/11-6/30/12 Total costs: \$104,324
AST-113 Astute Medical TOPAZ: A Sample Collection Study to Validate the Astute Medical NephroCheck™ Test in Critically Ill Subjects at Risk for Acute Kidney Injury The objective of this multi-center prospective sample collection study is to collect blood and urine samples to validate the Astute Medical NephroCheck™ Test as an aid in the risk assessment for acute kidney injury (AKI) in the critically ill. Role: Site principal Investigator	Kellum	7/1/12-4/15/13 Total costs: \$11,371
R01 HL086667 NIH/NHLBI Early Insulin Therapy and Development of Acute Respiratory Distress Syndrome To determine the utility of early insulin therapy in the prevention of ARDS in critically ill patients. Role in Project: Principal Investigator	Gong	9/1/07-1/31/13 Total costs: \$2,210,816
no number Albert Einstein College of Medicine ICTR Electronic Sniffer for ARDS	Gong	4/10/14-4/30/14 Total costs: \$100,000
R03 AG040673 NIH/NHLBI Intranasal Insulin to Prevent Post-Cardiac Surgery Cognitive Decline in Older Adults	Hsieh	9/1/11-8/31/14 Total costs: \$166,583

This is a randomized control pilot trial aimed to determine the safety and utility of intranasal insulin to decrease cognitive decline and delirium in critically ill elderly patients after cardiac surgery.

Role in Project: Co-Investigator

1 C1C MS330964-01-00 Gajic, Gong, Talmor 7/1/12-6/30/15
CMS Innovation Challenge Total costs: \$3,108,324
Patient Centric Electronic Environment for Improving Acute Care Hospital Performance

This is a project to develop a novel acute care interface with built-in tools for error prevention, practice surveillance, decision support and reporting (ProCCESSs AWARE - Patient Centered Cloud-based Electronic System: Ambient Warning and Response Evaluation). The effectiveness of ProCCESSs AWARE to improve clinical care, outcomes and save costs will be tested in a stepped wedged randomized control trial involving over 5000 critically ill patients in hospitals serving predominantly Medicare and Medicaid patients.

IRC002 Beigel 12/2/10 – 9/30/15
NIH/NIAID Total costs: \$36,322
A Randomized, Open-Label, Phase 2, Multicenter Safety and Exploratory Efficacy Study of Investigational anti-Influenza Immune Plasma for the Treatment of Influenza
This randomized, open-label, multicenter phase 2 trial will assess the safety, efficacy, and pharmacokinetics (PK) of anti-influenza plasma in subjects with influenza A or B.
Role in Project: Site principal investigator

R01 AG035117 Ely 3/15/11-2/29/16
NIH/NHLBI Total costs: \$182,491

The MIND-USA Study
This is a multicenter, double blind, randomized control three arm trial aimed to determine the utility of haloperidol, ziprasidone, or placebo to reduce delirium and coma free days in patients in the intensive care unit.

Role in Project: Co-Investigator

U01 HL108712-01 Gajic, Gong, Talmor 9/1/11-2/29/16
NIH/NHLBI Total costs: \$861,124

LIPS-A: Lung Injury Prevention Study with Aspirin
This is a multicenter, double blind, randomized control trial aimed to determine the safety and utility of aspirin to decrease development of acute lung injury and other pulmonary and non-pulmonary organ failure in patients determined to be a high risk for lung injury.

Role in Project: Co-Principal Investigator

U01HL108724-01 Talmor 9/1/12-6/30/17
NIH/NHLBI Total costs: \$536,370

EPVENT II
This is a randomized control trial aimed to determine whether the use of esophageal guided mechanical ventilation in patients with ALI/ARDS will decrease mortality in lung injury.

Role in Project: Co-Investigator

LJ501-CRH01 Tidmarsh 6/29/15-TBD
La Jolla Pharmaceutical Total costs: \$347,232

A Phase 3, Placebo-Controlled, Randomized, Double-Blind, MultiCenter Study ofLJPC-501 in Patients with Catecholamine-Resistant Hypotension (CRH)

The aim of this study is to test a new drug called LJPC-501 (also known as angiotensin II) in subjects with catecholamine-resistant hypotension (CRH).

Role in Project: Site Principal Investigator

U01 HL123009 Schoenfeld, Thompson 6/17/14-4/30/21
NIH/NHLBI Total costs: \$45,733

PETAL LOTUS FRUIT: CCC for NHLBI Prevention and and Early Treatment of Acute Lung Injury PETAL Network

To inform the design and plan for a pragmatic interventional cluster randomized control trial of low tidal volume ventilation in the emergency department and intensive care unit, and to determine the feasibility of data collection for patients with acute respiratory failure in a pragmatic trial.

Role in Project: Study Chair

U01 HL123009 Schoenfeld, Thompson 11/17/15–7/18/18
NIH/NHLBI Total costs: \$806,625

PETAL ROSE: CCC for NHLBI Prevention and and Early Treatment of Acute Lung Injury PETAL Network
To assess the efficacy and safety of early neuromuscular blockade in reducing mortality and morbidity in patients with moderate-severe ARDS in comparison to a control group with no routine early neuromuscular blockade.

Role in Project: Site Principal Investigator

U01 HL123009 Schoenfeld, Thompson 2/1/17-11/23/18
NIH/NHLBI Total costs: \$438,216

PETAL VIOLET: CCC for NHLBI Prevention and and Early Treatment of Acute Lung Injury PETAL Network
VIOLET is a randomized, double-blinded, placebo-controlled, phase III trial of early vitamin D3 in vitamin D deficient patients at high risk for ARDS and mortality.

Role in Project: Site Principal Investigator

BAA-12-00118 Cobb 9/15/14-9/14/19
FDA Total costs: \$224,096

Advancing Regulatory Science and Innovation: Facilitating Development of Medical Counter Measures to Protect Against Threats

The aims of this proposal include planning and attending semi-annual face-to-face 2-day meetings in the Washington DC area, consensus and iteration annually on data set collection for seasonal influenza, and work on data set compliance with Study Data Tabulation Model (SDTM) format, along with focusing on conversion of the SDTM-compliant, consensus influenza data set into electronic format and testing of this data collection tool at USCIITG sites.

Role in Project: Co-investigator

R43 HL131177 Glaser 9/2/16-4/30/19
NIH/NHLBI Total costs: \$64,000

Using Innovative Technology To Improve Compliance With Patient Elevation Guidelines

This project will empower critical care treatment teams to readily understand ventilated patients' elevation angles with greater efficiency, accuracy and fidelity in real-time.

Role in Project: co-Principal Investigator

U01 HL143453 Sales, Gong 8/15/18-7/31/20
NIH/NHLBI Total costs: \$305,926

Digital Implementation Intervention Trials in Acute Lung Care (DIGITAL-C) Network Planning

This research project DIGITAL-C is a planning grant for a hybrid implementation-effectiveness aimed at evaluating the clinical outcomes from the implementation of evidence based best practices in acute respiratory failure and the effectiveness of electronic alerts and clinical decision support tools to increase compliance to evidence-based practices.

Role in Project: co-Principal Investigator

R56 HL141567 Han 9/5/18-8/31/20
NIH/NHLBI Total costs: \$83,590

Vitamin D to Improve Outcomes by Leveraging Early Treatment: Long-term Brain Outcomes in Vitamin D Deficient Patients (VIOLET-BUD)

The purpose of this ancillary study to a parent double-blinded, placebo-controlled randomized control trial (RCT) is to evaluate how a single, high-dose (540,000 IU) oral Vitamin D3 treatment affects 90-day mortality in patients who are at high risk for ARDS and have Vitamin D deficiency (plasma 25-hydroxyvitamin D < 20 ng/ml).

Role in Project: Site Principal Investigator

75D30119C05670

Self

7/10/19-7/9/20

CDC

Total costs: \$131,432

Influenza Vaccine Effectiveness for Preventing Laboratory-Confirmed Severe Influenza-Associated Illness in US Adults (IVY)

The overall purpose of the project includes the following 4 objectives: [1] We will calculate influenza vaccine effectiveness for preventing severe influenza-associated disease among adults in the United States, including vaccine effectiveness for specific subtypes of patients (based on age, comorbidities, and risk factors) and specific vaccines (including those with adjuvant and higher antigen or cell culture-based production). [2] We will provide a detailed description of both acute respiratory and non-respiratory manifestations of influenza infection. [3] We will collect biological samples to investigate sepsis and other 25 mechanisms behind fulminant and rapidly progressive influenza illness in otherwise healthy hosts. [4] We will document influenza vaccination status among critically ill patients in the hospital with acute respiratory infections using validated registries and other methods.

Role in Project: Site Principal Investigator

75D30120C07637

Self

3/26/20-6/30/21

CDC

Total costs: \$203,700

The Surveillance of Respiratory Viruses in the Critically Ill: 2020-2021 IVY Network Surveillance Study (IVY2)
The Surveillance of Respiratory Viruses in the Critically Ill: 2020-2021 IVY Network Surveillance Study (IVY-2021 Surveillance) is a multicenter prospective observational public health surveillance activity designed to monitor acute respiratory infections in adults caused by influenza and severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). Key objectives include: monitoring vaccine effectiveness for influenza vaccines; monitoring the severity of illness caused by influenza and SARS-CoV-2; and identifying patients at highest risk for clinical decompensation, including the development of paradigms for sub-phenotyping critical illness from influenza and SARS-CoV-2 infections.

Role in Project: Site Principal Investigator

75D30121F00002

Self

2/5/21-2/4/22

CDC

Total costs: \$354,640

Adult Inpatient SARS-CoV-2 Vaccine Effectiveness Surveillance (IVY3)

Adult Inpatient SARS-CoV-2 Vaccine Effectiveness Surveillance is an observational, multicenter, prospective public health surveillance activity conducted by the Centers for Disease Control and Prevention (CDC) in collaboration with the Influenza and other Viruses in the acutely ill (IVY) Network.

Role in Project: Site Principal Investigator

U01 HL122998

Gong

6/17/14-4/30/22

NIH/NHLBI

Total costs: \$1,929,606

PETAL: Clinical Center for the PETAL Network

The overall aim of this proposal is to establish Einstein-PETAL under the Albert Einstein College of Medicine as a Clinical Center in the PETAL Network. The specific aims of Einstein-PETAL are: 1) To optimize the identification and recruitment of a diverse population of patients into PETAL trials by building upon the expertise and established collaboration between critical care and emergency medicine. 2) To facilitate the efficiency and operation of the PETAL Network by leveraging the local and national infrastructure, resources, and expertise of the sites and PIs, including the US Critical Illness and Injuries Trials Group, the CTSA supported Einstein-Montefiore Institute of Clinical and Translational Research (ICTR) with its multiple cores including the Einstein-Montefiore ICTR Clinical Research Informatics Core (RIC), and the electronic medical records at each site. 3) To propose for PETAL two significant clinical trials (Checklist for Lung Injury Prevention

(CLIP) and Lung Injury Prevention Study Aspirin II (LIPS-A II)) aimed at the prevention of ARDS and mortality in patients at high risk for ARDS.

Role in Project: Principal Investigator

UH2 HL125119

Gong, Gajic

9/19/14-8/31/21

NIH/NHLBI

Total costs: \$3,883,502

Prevention of Severe Acute Respiratory Failure in Patients with PROOFCheck-an Electronic Checklist to Prevent Organ Failure

The overall goal of this proposed project is to improve the outcomes of patients at high risk for developing severe ARF and prolonged mechanical ventilation in and outside of the ICU. The project aims to intervene early in high risk patients with an electronic medical records (EMR)-based, patient-centered checklist of common critical care practices aimed at preventing lung injury and hospital acquired adverse events that commonly lead to organ failure (Prevention of Organ Failure checklist -PROOFcheck).

Role in Project: Principal Investigator

U01 HL123009

Schoenfeld, Thompson

11/1/17-4/30/22

NIH/NHLBI

Total costs: \$742,476

PETAL CLOVERS: CCC for NHLBI Prevention and Early Treatment of Acute Lung Injury PETAL Network

To determine the impact of a restrictive fluids strategy (vasopressors first followed by rescue fluids) as compared to a liberal fluid strategy (fluids first followed by rescue vasopressors) on 90-day in-hospital mortality in patients with sepsis-induced hypotension.

Role in Project: Site Principal Investigator

R18 HS026188

Gong

9/1/18-6/30/22

AHRQ

Total costs: \$1,193,033

TREAT ECARDS: Translating Evidence into Action: Electronic Clinical Decision Support in ARDS

The overall goal of this proposed project is to improve care delivered to ARDS patients by promoting accurate identification of patients with ARDS and increasing adoption of evidence-based interventions shown to improve outcomes in ARDS.

R01 HL144624

Brown

6/10/19-5/31/22

NIH/NHLBI

Total costs: \$133,844

Study of Treatment's Echocardiographic Mechanisms (CLOVERS-STEM)

The overall goal of this study is to understand cardiovascular mechanisms in early sepsis by studying patients enrolled in a randomized, controlled trial of early fluids vs. early vasopressors for septic shock.

Role in Project: Site Principal Investigator

OT2HL156812

Thomas

12/31/21-5/31/22

NIH/NHLBI

Total costs: \$51,114

NHLBI CONNECTS Trial Participant Registry (RE-CONNECTS)

To evaluate whether host-directed anti-thrombo-vasculo-inflammatory interventions for COVID-19 in CONNECTS influence long term outcomes after SARS-CoV 2 infection, to conduct investigations on possible mechanisms by which interventions affect long term outcomes after SARS-CoV 2 infection, and to create an engaged community of participants previously enrolled in NHLBI COVID-19 studies that will inform and contribute to the success of future NHLBI programs.

Role in Project: Study Co-Chair

75D30122C12914

Self

12/1/21-9/30/22

CDC

Total costs: \$330,000

Surveillance of Acutely Ill Adults with Respiratory Viruses, including SARS-CoV-2 (IVY4)

Adult Inpatient SARS-CoV-2 Vaccine Effectiveness Surveillance is an observational, multicenter, prospective public health surveillance activity conducted by the Centers for Disease Control and Prevention (CDC) in collaboration with the Influenza and other Viruses in the acutely ill (IVY) Network.

Role in Project: Site Principal Investigator

OT2HL156812 Thomas 9/1/20-5/31/23
NIH/NHLBI \$245,600 to date
A Multicenter, Adaptive, Randomized, Blinded Controlled Trial of the Safety and Efficacy of Investigational Therapeutics for Hospitalized Patients with COVID-19 (ACTIV-3B TESICO)
This is a master protocol to evaluate the safety and efficacy of multiple investigational agents aimed at modifying the host immune response to SARS-CoV-2 infection, or directly enhancing viral control in order to limit disease progression.
Role in Project: Site Principal Investigator

UL1 TR002556 Keller, Shamoon 3/1/19-2/28/23
NIH/NCATS Total costs: \$25,645,038
Clinical and Translational Science Award
This award supports the Harold and Muriel Block
Institute for Clinical and Translational Research at Einstein and Montefiore (ICTR). The ICTR provides access to two Clinical Research Center (CRC) units, a Biomarker Analytic Research Core (BARC), a Biorepository (BioR), an Office of Clinical Trials (OCT), a Biostatistics & Research Design Core (BERD), a Community Engagement Consultation and Collaboration resource (CECC), a Research Informatics Core (RIC) as well as new Lifespan Research and Health Research Implementation Cores.
Role in Project: Co-Investigator

Current Grant Support

OT2HL156812 Thomas 9/1/20-5/31/23
NIH/NHLBI Total costs: \$1,361,104 to date
A Multicenter, Adaptive, Randomized Controlled Platform Trial of the Safety and Efficacy of Antithrombotic Strategies in Hospitals Adults with COVID-19 (ACTIV-4A)
This is a randomized, open label, adaptive platform trial to compare the effectiveness of antithrombotic strategies for prevention of adverse outcomes in COVID-19 positive inpatients.
Role in Project: Network Lead/Site Principal Investigator

OT2HL156812 Thomas 9/1/20-9/30/23
NIH/NHLBI \$750,300 to date
A Multicenter, Adaptive, Randomized, Blinded Controlled Trial of the Safety and Efficacy of Investigational Therapeutics for Hospitalized Patients with COVID-19 (ACTIV-3A TICO)
This is a master protocol to evaluate the safety and efficacy of multiple investigational agents aimed at modifying the host immune response to SARS-CoV-2 infection, or directly enhancing viral control in order to limit disease progression.
Role in Project: Site Principal Investigator

OT2HL156812 Thomas 3/1/21-12/31/23
NIH/NHLBI \$560,161 to date
A Multicenter, Adaptive, Randomized, Blinded Controlled Trial of the Safety and Efficacy of Investigational Therapeutics for Hospitalized Patients with COVID-19 (ACTIV-4D RAAS NECTAR)
This protocol intends to define effective therapeutic regimens in a randomized trial of patients hospitalized with COVID-19.
Role in Project: Site Principal Investigator

U01 HL123009 Schoenfeld, Thompson 8/1/21-12/31/23
NIH/NHLBI Total costs: \$243,131 to date
PETAL ASTER: CCC for NHLBI Prevention and Early Treatment of Acute Lung Injury PETAL Network
To determine whether acetaminophen and/or ascorbate helps patients recover from sepsis compared to patients treated with a placebo.
Role in Project: Site Principal Investigator

UH3HL147001 NIH/NHLBI	Boeckh	9/16/20-8/31/26 \$271,288
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1/2 Ganciclovir to Prevent Reactivation of Cytomegalovirus in Patients with Acute Respiratory Failure and Sepsis
The purpose of this study is to determine if ganciclovir can prevent cytomegalovirus (CMV) reactivation in patients with respiratory failure associated with severe sepsis.
Role in Project: Site Principal Investigator

OT2HL161847 NIH/NHLBI	Katz	10/1/2021-10/31/2023 \$15,000
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Researching COVID to Enhance Recovery (RECOVER) Initiative
The purpose of this study is to characterize the incidence and prevalence of sequelae of SARS-CoV-2 infection; to characterize the spectrum of clinical symptoms, subclinical organ dysfunction, natural history, and distinct phenotypes identified as sequelae of SARS-CoV-2 infection; to define the biological mechanisms underlying pathogenesis of the sequelae of SARS-CoV-2 infection.

75D30122C14944 CDC	Self	9/1/22-8/31/23 Total costs: \$240,000 to date
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Surveillance of Acutely Ill Adults with Respiratory Viruses, including SARS-CoV-2 (IVY5)
Adult Inpatient SARS-CoV-2 Vaccine Effectiveness Surveillance is an observational, multicenter, prospective public health surveillance activity conducted by the Centers for Disease Control and Prevention (CDC) in collaboration with the Influenza and other Viruses in the acutely ill (IVY) Network.
Role in Project: Site Principal Investigator

U01 HL123009 NIH/NHLBI	Schoenfeld, Thompson	5/1/22-12/31/23 Total costs: \$793,470
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PETAL: Clinical Center for the PETAL Network
The overall aim of this extension is to establish Einstein-PETAL under the Albert Einstein College of Medicine as a Clinical Center in the PETAL Network. The specific aims of Einstein-PETAL are: 1) To optimize the identification and recruitment of a diverse population of patients into PETAL trials by building upon the expertise and established collaboration between critical care and emergency medicine. 2) To facilitate the efficiency and operation of the PETAL Network by leveraging the local and national infrastructure, resources, and expertise of the sites and PIs, including the US Critical Illness and Injuries Trials Group, the CTSA supported Einstein-Montefiore Institute of Clinical and Translational Research (ICTR) with its multiple cores including the Einstein-Montefiore ICTR Clinical Research Informatics Core (RIC), and the electronic medical records at each site.
Role in Project: Site Principal Investigator

R61 HL162980 NIH/NHLBI	Moskowitz	9/1/22-8/31/27 Total costs: \$3,943,328
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Hospital Airway Resuscitation Trial
The Hospital Airway Resuscitation Trial (HART) is a Phase II/III, cluster-randomized with crossover pragmatic trial comparing advanced airway management with a strategy of endotracheal intubation or supraglottic airway during cardiopulmonary resuscitation of in-hospital cardiac arrest victims.
Role in Project: Co-Investigator

U01 HL168478 NIH/NHLBI	Bernard	5/1/23-4/30/29 Total costs: \$50,049 to date
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Coordination for ARDS, Pneumonia, and Sepsis supporting Training, Organization and Network Efficiency (CAPSTONE)
The ARDS, Pneumonia, and Sepsis (APS) Coordinating Center will support a highly functional and integrated clinical and translational research infrastructure that will enhance the quality and scientific rigor of the research conducted by the APS Phenotyping Consortium.

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Book Chapters

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Media Appearance / Interviews

1. "What happens to the donor's DNA in a blood transfusion?" *Scientific American* 2009. <https://www.scientificamerican.com/article/donor-blood-transfusion/>

2. "How to develop your clinical research career with Dr. Michelle Ng Gong." *American Thoracic Society Podcast: Breathe Easy Fellow Chat*. Podcast audio, 2016. <http://www.thoracic.org/about/ats-podcasts/fellow-chat-how-to-develop-your-clinical-research.php>
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5. "New Day." *CNN* 2020. <https://transcripts.cnn.com/show/nday/date/2020-03-26/segment/01>
6. "Coronavirus in New York - Report From the Front Lines." *JAMA Network* 2020. <https://edhub.ama-assn.org/jn-learning/video-player/18331693>
7. "Bravery and Hope: 7 Days on the Front Line." *CBS News* 2020. <https://www.youtube.com/watch?v=KUJTr8Bz58>
8. "Doctors try to untangle why they're seeing 'unprecedented' blood clotting among Covid-19 patients." *CNN* 2020. <https://www.cnn.com/2020/04/21/health/blood-clots-coronavirus/index.html>
9. "Here's What We Know about the Most Touted Drugs Tested for COVID-19." *Scientific American* 2020. <https://www.scientificamerican.com/article/heres-what-we-know-about-the-most-touted-drugs-tested-for-covid-19/>
10. "This device is crucial in the fight against Covid. It may not work on dark skin." *CNN* 2021. <https://www.cnn.com/2021/02/20/health/pulse-oximeters-dark-skin-covid/index.html>
11. "CNN Decades 2020: The Year that Changed Everything." *CNN* 2023. <https://www.cnn.com/videos/title-2415506>

Invited Lectures and Presentations

- 2003 **American Thoracic Society International Conference**
 San Francisco, California
 Mini-Symposium
 TNF polymorphisms and the risk of ARDS in young patients and in patients with direct pulmonary injury.
 Invited Speaker
- Mount Sinai School of Medicine**
 New York, New York
 Pulmonary Grand Rounds: Molecular Epidemiology of ARDS
 Invited Speaker
- 2004 **Canadian Blood Services:**
 Toronto, Canada
 Towards an Understanding of TRALI Consensus Conference: ARDS and ALI: What is it?
 Invited Speaker
- 2005 **American Thoracic Society International Conference**
 San Diego, California
 Mini-Symposium
 Mannose-Binding Lectin Polymorphisms and ARDS.
 Invited Speaker
- Mount Sinai School of Medicine**
 New York, New York
 Department of Medicine Grand Rounds: Molecular Epidemiology of ARDS
 Invited Speaker
- Mount Sinai School of Medicine**

Department of Medicine Research Conference: Molecular Epidemiology of ARDS
Invited Speaker

2006

American Thoracic Society International Meetings

San Diego, California
Mini-Symposium
308GA Polymorphism in TNFA, Troponin and Mortality in ARDS.
Invited Presenter

Mount Sinai School of Medicine

New York, New York
Division of Endocrinology Grand Rounds: Intensive Insulin Therapy: MICU Experience
Invited Speaker

2007

University of California at San Francisco Medical Center

San Francisco, California
Division of Pulmonary and Critical Care Medicine
Genetic Epidemiology of ALI/ARDS
Invited Speaker

University of Pennsylvania

Center for Clinical Epidemiology and Biostatistics
Philadelphia, Pennsylvania
Seminar in Center for Clinical Epidemiology and Biostatistics
Molecular Epidemiology of ARDS: Lessons from Cancer Epidemiology
Invited Speaker

2008

Mount Sinai School of Medicine

New York, New York
Pulmonary Grand Rounds
Intensive Insulin Therapy in the ICU: Current Issues and Upcoming Studies
Invited Speaker

American Thoracic Society International Meetings

Toronto, Canada
Mini-Symposium
Practice Variability in the Timing and Target for Glucose Control in the ICU
Invited Presenter

Mount Sinai School of Medicine

Department of Medicine Research Conference: Diabetes and Acute Respiratory Distress Syndrome: How sweet should it be?
Invited Speaker

Mount Sinai School of Medicine

Diabetes Grand Rounds: Diabetes, Insulin, and Acute Respiratory Distress Syndrome: How sweet should it be?
Invited Speaker

Mayo Clinic

Rochester, Minnesota
Critical Care Grand Rounds: Diabetes, Early Insulin Therapy and Acute Lung Injury: How Sweet Should it Be?

METRIC (Mayo Epidemiology and Translational Research in Intensive Care) Grand Rounds:
Genetic Epidemiology of ARDS: The Action of Interaction
Visiting Professor

Upstate Medical Center at Syracuse

Syracuse, New York

Medicine Grand Rounds: Genetic Epidemiology of ARDS: Action of Interaction

Pulmonary and Critical Care Scientific Conference: Diabetes, Early Insulin Therapy and Acute
Lung Injury: How Sweet Should it Be?

Visiting Professor

Albert Einstein School of Medicine

Bronx, New York

Combined Critical Care and Endocrine Seminar: Diabetes, Early Insulin Therapy and Acute
Lung Injury: How Sweet Should it Be?

Invited Speaker

2009

Mount Sinai School of Medicine

Pulmonary and Critical Care Grand Rounds: Diabetes and Acute Lung Injury: How sweet
should it be?

Invited Speaker

Columbia University College of Physicians and Surgeons

New York, New York

Pulmonary research seminar: Diabetes, Early Insulin Therapy and Acute Lung Injury: How
Sweet Should it Be?

Invited Speaker

American Thoracic Society International Meetings

San Diego, California

Mini-Symposium: Use of ACE Inhibitors and Development and Outcome in ARDS

Invited Presenter

Montefiore Medical Center

Albert Einstein College of Medicine

Bronx, New York

Department of Medicine Grand Rounds: Genetic Susceptibility to Critical Illnesses and Acute
Organ Failure

Invited Speaker

Louisiana State University Health Science Center

Shreveport, Louisiana

Department of Medicine Grand Rounds: Genetic Susceptibility to Critical Illnesses
and Acute Organ Failure

Visiting Professor

Louisiana State University Health Science Center

Shreveport, Louisiana

Department of Pulmonary and Critical Care Medicine
Research Conference: Metabolism and Acute Lung Injury

Visiting Professor

2010

Montefiore Medical Center

Albert Einstein College of Medicine

Bronx, New York
Department of Anesthesia Grand Rounds: Ventilator Induced Lung Injury
Invited Speaker

Yale State Chest Conference

New Haven, Connecticut
Genetic Susceptibility to Critical Illnesses and Acute Organ Failure
Invited Speaker

Yale New Haven Hospital

New Haven, Connecticut
Department of Pulmonary and Critical Care Medicine
Research Conference: Metabolism and Acute Lung Injury
Invited Speaker

Issues in Medical Ethics 2010:

Twenty-Second New York Regional Conference
New York, New York
Subjects without Decisional Capacity
Invited Speaker

New York University School of Medicine

New York, New York
Division of Pulmonary and Critical Care Grand Rounds
Surrogate Consent in Research
Invited Speaker

2011

Mount Sinai School of Medicine

New York, New York
Grand Rounds: Division of Pulmonary, Critical Care and Sleep Medicine
An Ounce of Prevention in Acute Critical Illness
Invited Speaker

Beth Israel Hospital

New York, New York
Grand Rounds : Division of Pulmonary and Critical Care
Prevention of ALI and other organ failures
Invited Speaker

College of Physicians and Surgeons of Columbia University

New York, New York
Critical Care Grand Rounds: Department of Anesthesiology
Surrogate Consent in Research
Invited Speaker

Downtown Hospital

New York, New York
Department of Medicine Grand Rounds
Genetic Susceptibility to Acute Critical Illnesses
Invited Speaker

Montefiore Medical Center

Albert Einstein College of Medicine
Bronx, New York

Division of Pulmonary Medicine Divisional Conference: Lung Injury Prevention
Invited Speaker

Montefiore Medical Center
Albert Einstein College of Medicine
Bronx, New York

Division of Emergency Medicine Departmental Conference:
Prevention in Acute Critical Illness: From ED to ICU
Invited Speaker

Beth Israel Deaconess Medical Center
Boston, Massachusetts

Department of Anesthesia Grand Rounds:
Research Involving Decisionally Impaired Adults
Invited Speaker

United States Critical Illness and Injury Trials Group Fall Meetings

Bethesda, Maryland
Study Design and Organization of ICU Prevention Trials: The LIPS-A Study
Invited Speaker

2012 **American Thoracic Society International Conference**

San Francisco, CA
Scientific Symposium
An Ounce of Prevention in Acute Critical Illness
Organizer and Chairperson

American Thoracic Society International Meetings

San Francisco, CA
Scientific Symposium
Constructing and Deconstructing ALI Phenotype: Making Genomics Matter
Invited Speaker

2013 **New York State Thoracic Society Meeting**

Vahalla, New York
Early Prediction and Prevention of Acute Lung Injury
Invited Speaker

American Thoracic Society International Conference

Philadelphia, PA
Scientific Symposium
Looking to the Future of ARDS Clinical Trials: We Need to Start Trials Earlier
Invited Speaker

American Thoracic Society International Conference

Philadelphia, PA
Scientific Symposium
Paradigm Shift: Prevention and Early Treatment in ALI: Standardizing Critical Care Delivery to Prevent Complications in Critical Illness
Invited Speaker

American Thoracic Society International Conference

Philadelphia, PA
Scientific Symposium

At the Edge of Evidence: What Should I Do Now?: Status Asthmaticus
Invited Speaker

United States Critical Illness and Injury Trials Group Fall Meeting

Washington, DC

Meeting Session

Data Harmonization: USCIITG Perspective

Invited Panelist

2014

Icahn School of Medicine at Mount Sinai

New York, New York

Grand Rounds: Institute for Critical Care Medicine

ProCCESs AWARE: Re-engineering the EMR to facilitate data aggregation, communication, and decision-making in the ICU

Invited Speaker

2015

Rutgers New Jersey School of Medicine

Newark, New Jersey

Medicine Grand Rounds

Prevention in Acute Organ Failure and Critical Illness

Invited Speaker

Albany School of Medicine

Albany, New York

Medicine Grand Rounds

Prevention in Acute Organ Failure and Critical Illness

Visiting Professor

Albany School of Medicine

Albany, New York

Pulmonary and Critical Care Research Conference

PROCESS AWARE: Re-engineering the EMR to Facilitate Data Aggregation, Communication and Decision Making in the ICU

Visiting Professor

New York University Langone Medical Center

New York, New York

Pulmonary and Critical Care Grand Rounds

Prevention in Acute Critical Illness

Invited Speaker

2016

St. Barnabas Health Care Center

Bronx, New York

Medicine Grand Rounds

Prevention in Acute Organ Failure and Critical Illness

Invited Speaker

American Thoracic Society International Conference

San Francisco, CA

Scientific Symposium: Critical Care Meets Silicon Valley: Tech Solutions for Research and Practice

Engineering Electronic Health Record Systems of the Future

Invited Speaker

NHLBI Implementation Science in Critical Care Workshop

Bethesda, MD

Stepped-Wedge Trial of the Efficacy of an EMR-Based Checklist

Invited Speaker and Panelist

Predictive Analytics World for Healthcare

New York, NY

Engineering the Electronic Health Record for Clinical Analytics in the ICU

Invited Speaker (audience score 4.2/5.0)

Weill Cornell Medical College

New York, NY

Pulmonary and Critical Care Grand Rounds

Prevention in Acute Critical Illness: From Research to Pragmatism to Practice

Invited Speaker

2017

Columbia University Medical Center

New York, NY

Pulmonary and Critical Care Research Seminar

Identifying Patients at High Risk for Acute Critical Illness

Invited Speaker

Beth Israel Deaconess Medical Center

Boston, MA

Medical Grand Rounds

Prevention in Acute Organ Failure and Critical Illness: From Research to Practice

Visiting Professor

Beth Israel Deaconess Medical Center

Boston, MA

Pulmonary Grand Rounds

Big Data and Clinical Deterioration in the Hospital: Finding and Threading the Needle in the Haystack

Visiting Professor

Lenox Hill Hospital

New York, NY

Medical Grand Rounds

Prevention in Acute Organ Failure and Critical Illness: From Research to Practice

Invited Speaker

American Thoracic Society International Conference

Washington DC

RAPiD: Rapid Abstract Poster Discussion

How to Get It Done in the ICU - Tools and Tricks of Implementation in Critical Care

Senior Chair

American Thoracic Society International Conference

Washington DC

Prevention and Early Treatment of Acute Lung Injury Clinical Trial Network (NHLBI PETAL)

Results from LOTUS-FRUIT Trial

Invited Speaker

American Thoracic Society International Conference

Washington DC

Scientific Symposium

Implementation Science in Pulmonary, Critical Care, Sleep and Pediatric Medicine: How Soon is Now?

Co-Chair

American Thoracic Society International Conference

Washington DC

Critical Care Track

Beg, Borrow and Steal: The Challenge of Changing Physician Behavior in the ICU

Co-Chair

American Thoracic Society International Conference

Washington DC

Mini Symposium

Critical Care: Do We Have a Crystal Ball? Predicting Clinical Deterioration and Outcome in Critically Ill Patients

Moderator

Mount Sinai West

New York, NY

Pulmonary and Critical Care Grand Rounds

Big Data and Clinical Deterioration in the Hospital: Finding the Needle in the Haystack

Invited Speaker

INTEL Shift 2017

New York, NY

Winning With Data Analytics- Why Some Businesses are Succeeding While Others Struggle

Invited Panelist

2018

Society of Critical Care Medicine 47th Annual Congress

San Antonio, TX

LOTUS-FRUIT: Low Tidal Volume Universal Support: Feasibility of Recruitment for Interventional Trial

Invited Speaker

Society of Critical Care Medicine 47th Annual Congress

San Antonio, TX

DISCOVERY: The Critical Care Research Network

Invited Speaker and Panelist

American Thoracic Society International Conference

San Diego, CA

Poster Discussion Session

Critical Care: ARDS and Acute Respiratory Failure - Can We Do Better?

Co-Chair

American Thoracic Society International Conference

San Diego, CA

Scientific Symposium

Firing on All Cylinders: Optimizing Critical Care Delivery and Improving Outcomes

Co-Chair

American Thoracic Society International Conference

San Diego, CA
Scientific Symposium
Evolution of Modern Critical Care Medicine: From the Past to Future
Invited Speaker

American Thoracic Society International Conference

San Diego, CA
Mini Symposium
Critical Care: Big Data and Artificial Intelligence in Critical Illness
Co-Chair

American Thoracic Society International Conference

San Diego, CA
Critical Care Track
We Don't Need ECLS for ARDS: Ultra-Protective Ventilation Without ECLS
Invited Speaker

American Thoracic Society International Conference

San Diego, CA
Critical Care Track
Preventing Progression to ARDS
Invited Speaker

American College of Chest Physician Annual Congress

San Antonio, TX
Update in Critical Care 2018: Mechanical Ventilation
Invited Faculty

Cooper University Hospital

Camden, NJ
Promises and Pitfalls of Risk Prediction: Predicting Clinical Deterioration in the Hospital with Artificial Intelligence and Big Data
Visiting Professor

2019

Society of Critical Care Medicine 48th Annual Congress

San Diego, CA
This is My Story: How to Develop a Career as an Innovator
Invited Speaker

Society of Critical Care Medicine 48th Annual Congress

San Diego, CA
Identifying Barriers to Implementation and Developing Interventions
Invited Speaker

American Thoracic Society International Conference

Dallas, TX
VV ECMO for ARDS: Not So Sure...
Invited Speaker

American Thoracic Society International Conference

Dallas, TX
Using Big Data for Early Identification of Syndromes for Clinical Trial Enrollment

Invited Speaker

**Montefiore Medical Center
Albert Einstein College of Medicine**

Bronx, New York

Division of Neurosurgery Departmental Conference: Clinical Research at Montefiore:
From Bedside to Practice to Clinical Trials

Invited Speaker

International Symposium on Intensive Care & Emergency Medicine

Brussels, Belgium

Identification of Sepsis from the Floor – Is there Guidance from Big Data

Invited Speaker

International Symposium on Intensive Care & Emergency Medicine

Brussels, Belgium

Low Tidal Volume Ventilation

Invited Speaker

International Symposium on Intensive Care & Emergency Medicine

Brussels, Belgium

Using Big Data to Predict for Acute Respiratory Failure

Invited Speaker

2020

American Thoracic Society Committees and Leadership Summit 2020

Learning About Crisis Leadership During COVID-19 Pandemic

Keynote Address

European Respiratory Society Annual Meeting

How to Organize Clinical Research During a Pandemic

Invited Speaker

Critical Care Canada Forum 2020 - CCCF/CCCS Critical Care Fellows' Day 2020

Reflections from the COVID first wave: Off-label drug use when faced with uncertainty

Invited Speaker

Critical Care Canada Forum 2020

COVID-19: Perspective from The United States

Keynote Plenary

Critical Care Canada Forum 2020

COVID-19 Pandemic Preparedness

Co-Moderator

Critical Care Canada Forum 2020

Around the World in 30 Minutes: Approach to refractory hypoxia

Panel discussion

Critical Care Canada Forum 2020

Brian P Kavanagh Controversies in Critical Care: COVID-19: Is this ARDS or Not

Panel discussion

Critical Care Canada Forum 2020

Operationalizing Research Ethically and Rigorously During a Pandemic

Plenary panel discussion

University of Pittsburgh Department of Critical Care Medicine Grand Rounds

Rising From the Pandemic: Montefiore Response and Lessons Learned from COVID-19
Invited Speaker

2021

Critical Care Canada Forum 2021

ARDS

Plenary panel discussion

Critical Care Canada Forum 2021

PANDEMIC REFLECTIONS: MANAGEMENT

Plenary panel discussion

Critical Care Canada Forum 2021

Probiotics to Prevent Severe Pneumonia and Endotracheal Colonization Trial: PROSPECT Trial
Moderator

American College of Chest Physicians Chest Annual Meeting

Update in Acute Respiratory Failure and ARDS

Invited Faculty

Medicine Grand Rounds

Downstate Medical Center

Changing Landscape of Clinical Trials in COVID-19

Invited Speaker

2022

Montefiore Physician Leadership Program

Tarrytown, NY

Leading Teams

Invited Speaker

Society of Critical Care Medicine 51st Annual Congress

How to Address Biases in Critical Medicine: Antiracism in Critical Care Medicine

Invited Speaker

American College of Chest Physicians Chest Annual Meeting

Nashville, TN

Update in Acute Respiratory Failure and ARDS

Invited Faculty

Medicine Grand Rounds

Westchester Medical Center

Balancing a Double-Edge Sword: Targeting Inflammation and Coagulation in ARDS and COVID-19

Invited Speaker

Society of Critical Care Medicine Discovery Network Meeting

NIH, Bethesda Maryland

Overcoming Challenges of Multicenter Trials

Invited Speaker

Society of Critical Care Medicine 52st Annual Congress

San Francisco, CA

Women as Directors of Critical Care Organizations

Invited Speaker

42ND International Symposium on Intensive Care and Emergency Medicine

Brussels, Belgium

... and it's not smart if it doesn't improve outcomes - Artificial intelligence in the ICU

Invited Speaker

42ND International Symposium on Intensive Care and Emergency Medicine

Brussels, Belgium

Let us better define clinical trajectories - Are our syndromes still useful?

Invited Speaker

42ND International Symposium on Intensive Care and Emergency Medicine

Brussels, Belgium

Problems with mortality as an endpoint – Clinical trials

Invited Speaker

42ND International Symposium on Intensive Care and Emergency Medicine

Brussels, Belgium

ARDS: time to abandon? - Pro-con debate

Invited Speaker

42ND International Symposium on Intensive Care and Emergency Medicine

Brussels, Belgium

Non-resolving ARDS - Round table

Invited Speaker

American Thoracic Society International Conference

Washington, DC

New Faculty Boot Camp - Panel Discussion on Promotion & Tenure

Invited Speaker

American Thoracic Society International Conference

Washington, DC

New Faculty Boot Camp - Academic Resilience

Invited Speaker

American Thoracic Society International Conference

Washington, DC

Fellows Track Symposium - Technology in the ICU

Invited Speaker

American Thoracic Society International Conference

Washington, DC

Fellows Track Symposium - Panel Discussion #3

Invited Speaker

American Thoracic Society International Conference

Washington, DC

Student Scholars Program - Career Rounds

Invited Speaker

American Thoracic Society International Conference

Washington, DC
NEJM/JAMA – CLOVERS trial
Invited Speaker

American Thoracic Society International Conference

Washington, DC
Critical Care Track – Platform Trials
Invited Speaker

American Thoracic Society International Conference

Washington, DC
Mini Symposium
Clinical and Translational Studies of COVID-19 Critical Illness
Moderator

Yale Visiting Professor

New Haven, CT
Invited Speaker

Albert Einstein College of Medicine - Department of Medicine Mentoring Program

Bronx, NY
How to Publish a Paper/How to Increase your Visibility in Academia
Invited Speaker

Washington Hospital Healthcare System Grand Rounds

Fremont, CA
Future of Critical Care: Artificial Intelligence
Invited Speaker