



Shock Society

Fall Newsletter
2018



President's Message

by Elizabeth Kovacs, PhD

Good Day and Hello Shock Members,

I am writing to you as your newly minted president and, as you can imagine, I have lots of things to say. First, I enjoyed meeting/greeting/seeing many of you at the 2018 Shock Society Meeting in Scottsdale. Second, I hope you will join me in a huge long-distance “high 5” to thank Dr. David Hackam for the excellent scientific program that he put together for the 2018 meeting. Next, a shout-out about our upcoming 2019 “conjoined” meeting at which Shock Society and Surgical Infection Society will gather at the amazing Loews Coronado Bay Resort in Coronado, CA, June 8-11, 2019. Drs. Laurie Kilpatrick (Chair of the Shock Program Committee) and Heather Evans (Chair of the Surgical Infection Society Program Committee) have teamed up and are preparing for a spectacular 42nd annual Shock Society meeting. Laurie and Heather are organizing an exciting overlapping day of activities that include joint scientific sessions covering research topics of mutual interest to both societies. The goal is to provide the opportunity for members of both societies to meet and learn about the mission/science of each group. We hope that this will foster communication and collaboration that will generate a lasting relationship between the societies. Laurie and the Shock Program Committee will have sessions and symposia that will cover basic and clinical research in areas of trauma, burns, sepsis and hemorrhagic shock. The theme of our upcoming meeting this year is “Team Science” (a concept NIH is advocating). More details are available in Laurie’s report below. Complete information about the meeting and abstract submission will be posted at our web site <http://shocksociety.org/Meetings.aspx>

During my presidential reign, I hope for world peace... and a few other things that may be more tangible during the year. My presidential agenda items are listed below:

1. To help promote Diversity and Inclusion: Create a

PRESIDENT:

ELIZABETH KOVACS, PhD

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MARC JESCHKE, MD, PHD

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SECRETARY:

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PING WANG, MD

North Shore University Hospital
Manhasset, NY

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ROSEMARY KOZAR, MD, PHD

searchable website of all Shock members listing...

University of Maryland Shock Trauma
Baltimore, MD
Rkozar@umm.edu

- Whatever information members want to tell us about their gender, ethnic background, race, etc., along with demographic information (academic rank, job title)
- The topics or areas of research about which they feel comfortable giving a talk at a scientific meeting or a university/medical center seminar or lecture

Having this information will aid Shock Meeting Program Chairs in selecting a diverse set of speakers for our annual meeting and for Shock members to have the opportunity to speak at medical centers and universities around the globe.

2. Expand Mentorship beyond the week of the Shock Meeting to be a year round, maybe even life-long practice.
 - Create a list of senior members who are willing to help junior members with career development (career coaching), similar to big brother/big sister programs
 - Create a peer mentoring network to facilitate connection between like-minded junior investigators and assist them in teaming up with one another while finding their way in academia, industry, etc.
3. Public Affairs and Advocacy: Create an ad hoc advocacy committee to address Shock related issues regarding public affairs and advocacy
 - Respond on behalf of the Shock Society to relevant issues, include NIH Requests for Information (RFI) and other issues
 - Communicate with local and federal legislators about biomedical research and gun violence
 - Talk to the media and lay public about biomedical research

*** To better serve the needs of our members, we ask for your help in evaluating the demographics of the Society. Please take a moment to update your [member profile](#). Your responses will be kept confidential.**



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President-Elect's Message

by Marc Jeschke, MD, PhD

In 2019 the Shock Society will hold its co-located meeting with the Surgical Infection Society at Coronado Island. This is an exciting new meeting that we hope that our membership will find fascinating and enriching. After this co-located meeting, membership will be asked whether they would like to have further future co-located meetings with the Surgical Infection Society or not. Depending on the results of the outcome of the post meeting survey we will plan a meeting in 2021 accordingly.

The president elect is also looking for new volunteers to serve on various committees. Please send any requests or any volunteers to marc.jeschke@sunnybrook.ca.

The Shock society will have its annual meeting in 2020 in Toronto.

43rd Annual Conference on Shock
The Westin Harbour Castle, Toronto, Canada, June 6 - 9, 2020



Secretary's Report

by Edward Sherwood, MD, PhD

Meeting held on Saturday June 9, 2018 at the JW Marriott Scottsdale Camelback Inn, Resort and Spa in association with the 41st Annual Conference on SHOCK.

Past Presidents Report – Timothy Billiar

2017-2018 Year in Review

1. The contract between LWW and *Shock* was renewed for 7 years. Negotiations included funds for improving the Journal.
2. \$10,000 in seed money was approved to support the 2019 Annual Meeting of the European Shock Society as was \$8000 to support travel of 2 selected Shock Society members to travel to the ESS meeting to speak at a shared symposium
3. 42nd Annual Meeting of the Shock Society will be co-located with the Surgical Infection Society. The meeting will be held from June 8-11, 2019 in Coronado, CA

and will include a half day of programming overlap.

4. It was determined by vote that the Jureta Horton Travel Award will be given to the highest ranking abstract submitted by a female author each year.

Looking Forward

1. Strategic Plan. Consultant was selected and virtual and in person process is underway.
2. Shock Impact Factor Improvement Activities
3. A task force was created and is active.
4. Consensus that the journal must be made as good as possible to incentivize members to publish in the journal.

Sepsis Model Scoring Taskforce

1. Website has been created to allow threaded [discussions](#).
2. Taskforce is active in grading and assessing models.

Nominating Committee Report

Election Results:

President-Elect 2018-2019 (MD) Marc Jeschke
Secretary (2018-2021) Edward Sherwood
Councilor – Clinical (2018-2022) Clifford Deutschman
Councilor – Basic Science (2018-2022) Mashkoor Choudhry
Program Chair (2021) Jennifer M. Kaplan

42nd Annual Conference on Shock

Loews Coronado Bay
Resort
Coronado, CA
June 8 - 11, 2019





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International Relations Committee

by Basilia Zingarelli, MD, PhD

Dr. Soheyl Bahrami, President of the International Federation of the Shock Societies (IFSS), and Dr. Markus Huber-Lang, President of the European Shock Society (ESS) and Program Chair of the IFSS Congress, are pleased to announce the 9th IFSS Congress, which will be held from 8th to 12th October 2019 in beautiful Chania in Crete, Greece. The congress will be held in conjunction with the 18th ESS Congress. More information on location, registration and preliminary scientific program is available on the IFSS web site at http://www.europeanshocksociety.org/IFSS_Congress.



Awards & Honors Committee

by Weng-Lang Yang, PhD

At the 41st Annual Conference on Shock in Scottsdale, Arizona, the Awards and Honors Committee presented 43 Travel Awards to young investigators based on the scientific merit of their abstracts. We received a total of 124 abstracts applied for all awards in 2018 where it was 116 in 2017. The number of applying the New Investigator Award is markedly increased from 30 in 2017 to 50 in 2018. There were 16 abstracts competed for one Chaudry International Award in 2018. This year, we assigned all named Presidential Travel Awards to the recipients with the 6 highest abstract score among the award applicants, except for New Investigator Award and Chaudry International Award. Particularly, Jureta Horton Presidential Travel Award is given a female young investigator with the highest abstract score. The complete list of 2018 Shock Award Recipients can be viewed at http://shocksociety.org/pdf-and-docs/2018-pfds/NEW-AwardRecipientFlyer2018-WY_FINAL.aspx.



The list of New Investigator Award recipients:

Fariborz Soroush (First place)	Temple University, Philadelphia, PA
Hui Jin	Feinstein Institute for Medical Research, Manhasset, NY
Li Ma	Massachusetts General Hospital, Boston, MA
Grace Martin	University of Cincinnati, Cincinnati, OH
Jia Yu	SUNY Upstate Medical University, Syracuse, NY



The Committee would also like to congratulate the following 2018 award winners:

Faculty Research Award: Monowar Aziz, PhD, Feinstein Institute for Medical Research, Manhasset, NY (Mentor: Dr. Ping Wang). He will receive \$83,000 for two years with \$3,000 dedicated for travel to the Shock Society Annual Meetings. Received 15 applications in 2018.

Research Investigator Fellowship: Jurgis Alvikas, MD, University of Pittsburg, Pittsburg, PA



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(Mentor: Dr. Matthew Neal). He will receive \$22,000 for one year with \$2,000 dedicated for travel to the Shock Society Annual Meetings. Received 7 applications in 2018.

Scientific Achievement Award: Charles Lang, PhD, Penn State School of Medicine.

Distinguished Service Award: Ernest Eugene Moore, MD, University of Colorado School of Medicine.

We also congratulate the recipient of 2017 Shock Faculty Research Award, Dr. Lin Zou from University of Maryland School of Medicine, Baltimore, MD, received a NIH R35 grant last year.

New Committee Members: We have a big turnover of our committee members this year. Four new regular members, Deborah Carlson, Celeste Finnerty, Jim Lederer, and Matthias Majetschak; Immediate past president, Timothy Billiar; and two research award recipients, Aziz Monowar and Jurgis Alvikas are joined the committee. This year, Dr. Meihong Deng will serve as Vice-Chair for the chair transition. Welcome them!

We also thank the immediate retired members, Laurie Kilpatrick, Alex Lentsch, Saman Arbabi, Andrew Cap, Rosemary Kozar, Lin Zou, Theresa Chan, for their time and efforts to review and score so many abstracts and research proposals.

***Reminder – you must be a current member in good standing to apply for a society award.**



Ad Hoc Strategic Planning Committee

by Marc Jeschke, MD, PhD

During the 2018 Annual Meeting, members of the Shock Society met and worked on the development of a new strategic plan for the Shock Society to steer and guide the Society for the next decade. The outcome and vision of that strategic planning meeting is being currently worked on and results are expected for the Fall 2018. These results will be shared with the membership as soon as they are available.



Editor-in-Chief, **SHOCK**

by Irshad H. Chaudry, PhD

Thank you, President Kovacs, and Edward Sherwood, Society Secretary, for the opportunity to write briefly about our journal in the Newsletter.

I am grateful to all the authors who have contributed their outstanding work to the journal. I also wish to express my sincere thanks and gratitude to the Associate Editor-in-Chief (Mark Clemens), Senior Associate Editor, Europe (Jean-Marc Cavaillon); all of the Associate Editors, the Editorial Board members, and the Guest referees, for the thorough and expeditious review of the manuscripts, and for their superb help and support to the journal. I am also thankful to the Associate Editor-in-Chief, Mark Clemens, the Associate Editors, and to the Editorial Board members who continue to take time from their busy schedules to write under the banner, “What’s New in *Shock*?” in each issue of the journal.

A special thanks is extended to Timothy Billiar (our immediate Past President), Mark Clemens (Associate Editor-in-Chief), and Michael Karlstad (the Chair of the Publication Committee, and his committee), for their assistance in promoting the journal.

In the next several months, we are going to have completed and published another United States Department of Defense Combat Casualty Care Research Program “Oxygen Carriers” State of the Science Supplement, which follows up their meeting held in February 2017.

Since our last Newsletter, three board members have stepped down and they are: Drs. Naoki Aikawa, Patricia Molina and Hector Wong. I sincerely thank them for their valuable help and support over the years with the journal. I appreciate and welcome Drs. Inge Bauer, Jing-Yan Han and Carrie Sims, for their acceptance to help the journal as new and valuable Editorial Board members.

The number of manuscripts submitted to the **SHOCK** journal for the year 2017 was 750.

As of August 17, 2018, the Editorial Office has already processed a total of 488 manuscripts. This number also includes full manuscript submissions, Commentaries, and the upcoming Military supplement submissions. The increased submissions to our journal has led to increased work load for Board members and in consultation with the Publication Committee, avenues are being explored to decrease the work load for our Board members.

Again, I wish to also express my sincere thanks to Connie Weldon for continuing to provide tremendous help in all facets of the journal, John Ewers, Anna Butrim, and Kathy Pajuelas, at Wolters Kluwer, for their continued help in all regards to the journal, **SHOCK**.

I am requesting any of our member’s suggestions for improving any facet of our journal. Please e-mail your suggestions to me at shock@uabmc.edu. The Editor-in-Chief and the Editorial Office of **SHOCK** wish to thank all of the authors who have submitted and who continue to submit articles to **SHOCK**. I wish each of our members the most wonderful fall



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and winter season.



2019 Program Chair

by Laurie Kilpatrick, Ph.D.

The 42nd Annual Conference on Shock will be held at the beautiful Loews Coronado Bay Resort in Coronado, California on June 8-11, 2019. This will be our first co-located meeting with the Surgical Infection Society and the Program Committees from both Societies have been working together to organize an overlapping day of activities on Saturday afternoon and Sunday morning with joint sessions covering topics of mutual interest to both societies. On Saturday night, following the Presidential Address by Marc Jeschke, there will be a joint reception to provide an opportunity to meet colleagues and make new connections.

It is a great pleasure to announce that our keynote speaker will be Professor Luke O'Neill.



Dr. O'Neill is the Chair of Biochemistry at Trinity College Dublin. His research is in the area of the molecular basis of inflammation with a particular focus on innate immunity, Toll-like receptors, inflammasomes and metabolic reprogramming in macrophage activation. In recognition of his pioneering work in innate immunity, Dr. O'Neill was named by Clarivate/Thompson Reuters as one of the world's most influential scientists, being in the top 1% in Immunology. He has won numerous awards for his groundbreaking research and was elected a Fellow of the Royal Society in 2016. He will speak on 'Metabolic reprogramming as a key driver of inflammation and innate immunity'. <http://shocksociety.org/Meetings/Keynote-Address.aspx>

The theme of our meeting this year is Team Science. An exciting program is planned that will cover a number of diverse topics including Hemorrhagic Shock and Resuscitation, Precision Medicine, Innovations in Burn Research, Sepsis: Definitions, Models and Opportunities, Susceptible Patient Populations in shock/trauma, the Microbiome-Pathobiome, and Immune Cell Phenotypes in Inflammation. The meeting will also include three morning poster sessions, our New Investigator Competition, Mentoring sessions, a session on Diversity and Inclusion, and last but not least –the Presidential Fun Run! Information about the meeting and abstract submission will be posted on our web site <http://shocksociety.org/Meetings.aspx>

Look forward to seeing you in Coronado!



Mentorship Committee Highlights 2018

by David Williams, PhD

At the 41st Annual Conference on Shock the Mentorship Committee organized four sessions that focused on mentoring, career development, grant writing and diversity in shock research. The four sessions were a mixture of traditional and new approaches to mentorship.

Highlights of this year's mentoring sessions include:

1. A Speed Mentoring Session (chairs: Carrie Sims and Susan Evans) where young investigators met with senior mentors in a timed format. This was a new mentoring approach for the Shock Society. Based on initial feedback the speed mentoring session was well received by both the mentors and mentees.
2. Grant Writing Tips and Tricks session (chairs: Al Ayala and David Williams). This session focused on how to approach RO1 and K award application. There was also a presentation from the perspective of the study section member. The featured speakers were Dr. Melanie Scott (Pittsburgh), Dr. Judith Hellman (UCSF) and Dr. Tony Hernandez (Vanderbilt).
3. Luncheon seminar focusing on Diversity and Inclusion in Shock Research. The speaker was Dr. Nancy Baxter (Univ. Toronto) an academic surgeon and noted expert on diversity issues in Surgery and biomedical research.
4. New Investigators Program (chairs: Carrie Sims and Vanessa Nomellini). The presentations were selected from abstracts by new investigators who also were Travel Award recipients. Five outstanding young speakers were selected from the group of twenty-two Travel Award recipients. For the first time, the New Investigators Program was open to all attendees.



Internet Committee Chair

by Melanie Scott, MD, PhD

Many thanks to all of you who attended the annual meeting in Scottsdale and downloaded the meeting app. From the feedback we got from attendees of the meeting the Whova Shock meeting app was well-received and it seems that most of you found it useful. Thanks to all of you who gave us feedback on the features you liked and used, and on features you would like



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to see on the meeting app for the next annual meeting in San Diego. We are listening to you, and will try to improve the utility of the app and make it even easier to use and download for future meetings.

The 2018 annual meeting was also the celebration of the Shock Society's 40th birthday. We were lucky enough to have many past presidents attend our celebrations and while they were there, we captured many of them on video for posterity. We focused on how membership of the Shock Society benefitted them in their careers, as well as their fondest memories of previous Shock annual meetings. I promise you'll enjoy listening to this collected wisdom, and the full interviews, as well as focused topic snippets, are available on the website now. Make sure you check them out!

We are also hoping to enhance our photo archive for the annual meetings. Many of you commented on the wonderful photo gallery we had in the foyer at the annual meeting. This was compiled from photos we were sent by Shock members as well as photos we had from fun runs at previous meetings. We would love to include your photos in our archive, especially any from the 2018 meeting that you didn't already post on the app. We are going to have these photos accessible on the website so you can all share in the annual meeting fun.

Lastly, please keep communicating with us on our social media platforms. We currently have 329 followers on Twitter and we love to hear from all of you! If you are on Twitter please follow us (@shocksociety) and keep us up to date on things that matter to you, new papers you think are interesting in the field of Shock, or topics you think we should be talking more about. We are good about following you back, and we retweet a lot of things (especially if you tag us!).

Wishing you all happy holidays from the Shock Society Internet Committee and don't forget to start making plans for the annual meeting in San Diego in June 2019.

Melanie Scott MD PhD
Chair, Internet Committee
scottm@upmc.edu

2018 Presidential Fun Run

By Marcin Osuchowski, DVM, PhD, Yoram Vodovotz, PhD and Wendy Walker, PhD



This year's Presidential Fun Run was unlike the previous runs that we have had the privilege to organize. In fact, some grumbled (on the condition of anonymity) that the "Fun" adjective should have been replaced by "Fear". We suspect it to be a smearing campaign coordinated by those who never made it to the run, but no evidence (e.g. emails, recordings) has yet surfaced to support this claim. In all honesty, however, we feel compelled to admit that this year's Fun (sic!) Run environment was far from comfortable. This was due to the three H factors (no, it is neither Hirsch factor, nor 3-R related): Heat, Hills, and Hostility. We attempted to account for the 3-Hs by launching the race 15min earlier (1st H), reducing the distance from 5 to approx. 4km (2nd H) and re-routing the trail to avoid the most hostile neighborhood (3rd H; photo above). Realizing that our precautions may not have been completely fool-proof, the group photo was taken BEFORE and not after the race (photo below), to expose the iron will and bravery of the participants (some of whom, we had then feared, might not reach the finish line).



There was a silver lining to this gruesome event, though: our colleague and living Fun Run champion, Wendy Walker, has joined the 2-person, all male organizational team to make the Presidential Run Great (fun) Again!

Look, we know it was tough and scary, but you made it, folks, so try to eliminate those bad memories from your subconscious. Remember, the next run will be a walk in the park (i.e. run on the beach).

See you in Coronado!

Shock Society Council and Committees

2018-2019

COUNCIL



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Elizabeth J. Kovacs, PhD, President (2019)
Marc Jeschke MD, PhD, President-Elect (2019)
Edward Sherwood, MD, PhD. Secretary (2021)
Charles E. Wade, PhD, Treasurer (2019)
Irshad H Chaudry, PhD, Editor, SHOCK
Laurie Kilpatrick, PhD, Program Chair (2019)
Philip Efron, MD, Program Chair (2020)
Rosemary Kozar, MD, PhD, Past President (2019)
Ping Wang, MD, Past President (2020)
Timothy R. Billiar, MD, Past President (2021)

Marc Jeschke, Strategy Chair (*ad hoc*)
Saman Arbabi, MD (2019)
Melanie J. Scott, MD, PhD (2019)
Jennifer M. Kaplan, MD (2020)
Joseph L. Messina, PhD (2020)
Carrie Sims, MD, PhD (2021)
Hiroshi Saito, PhD (2021)
Clifford S. Deutschman, MD, MD, MCCM (2022)
Mashkoor A. Choudhry, PhD (2022)
Michael Karlstand, PhD (2021)

STANDING COMMITTEES

Awards and Honors Committee

Weng-Lang Yang, PhD, Chair (2019)

Andrew Cap, MD, PhD (2019)
Xianzhong Meng, MD (2020)
Meihong Deng, MD (2022)
Celeste Finnerty, PhD (2022)
Deborah Carlson, PhD (2022)
James Lederer, PhD (2022)
Monowar Aziz, PhD (2019)
Jurgis Alvikas, MD (2019)
Rosemary Kozar, MD, PhD, Past President (2019)
Ping Wang, MD, Past President (2020)
Timothy R. Billiar, MD, Past President (2021)

Diversity Committee

Chuanfu Li, M.D, Chair (2019)

Louie B. Hendricks, MD (2019)
Juan-Pablo Idrovo, MD (2020)
Vanessa Nomellini, MD, PhD (2020)

International Relations Committee

Charles Lang, PhD Chair (2019)

Rosemary Kozar, MD, PhD (2020)
Ping Wang, MD (2021)
Martijn van Griensven, MD (2020)
Timothy Billiar, MD, ex-officio
Elizabeth Kovacs, PhD, ex-officio

Development Committee

Daithi Hefferman, MD, Chair (2021)

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Rosemary Kozar, MD, PhD (2019)
Ping Wang, MD, Past President (2020)
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Jie Fan, MD (2021)
David Greenhalgh, MD (2022)

Finance Committee

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Daithi Hefferman, MD (2021)
Marc Jeschke MD, PhD (2019)
Michaela West, MD, PhD, Ad hoc (2019)

Laboratory Animals Issues Committee

Scott Brakenridge, MD Chair (2019)

Ping Zhang, MD, PhD (2020)
Matthew Neal, MD (2021)
Tammy Ozment, DVM, PhD (2021)

Irshad H. Chaudry, PhD (permanent member)

Membership Committee

Marc Hanschen, MD (2019)

Guirong Wang, PhD (2019)
Deborah Carlson, PhD (2020)
Sean Monaghan, MD (2020)
Majid Afshar, MD, MS (2021)

Nominating Committee

Timothy R. Billiar, MD, Past Pres, Chair (2021)

Ping Wang, MD (2021)
Rosemary Kozar, MD, PhD (2020)
Charles Lang, PhD (2019)

Rules Committee

Sofia Qun Zank, PhD, Chair (2019)

Richard Pierce, MD, MS (2020)
Joseph Rappold, MD (2021)

Internet Committee

Melanie Scott, MD, PhD, Chair

Daithi Heffeman, MD (2019)
Joanne Lomas-Neira, PhD (2019)
Wendy Walker, PhD (2019)

Strategy Committee (ad hoc)

Marc Jeschke, MD, PhD, Chair (2019)

Ping Wang, MD (2019)
Timothy R. Billiar, MD (2019)
Rosemary Kozar, MD, PhD (2019)
Michaela West, MD, PhD (2019)
Philip Efron, MD (2019)
Daithi Heffernan, MD (2019)
Joshua Gatson, PhD (2019)

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Carrie Sims, MD, Chair (2019)

David Williams, PhD (2019)
Alfred Ayala, PhD (2019)
Azra Bihorac, MD (2019)
Wenjun Martini, MD (2018)
Charles Lang, PhD, Senior Advisor
Irshad Chaudry, PhD, Senior Advisor

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Jason Collier, PhD (2019)
Scott Brakenridge, MD (2020)
Daniel Remick, MD (2021)

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Barbara Sherry, PhD (2019)
Jeyaseelan (Jey) Samithamby, DVM, PhD (2019)
Philip Efron, MD, Chair (2020)
Ben Lu, MD PhD (2020)
Mitchell Cohen, MD (2020)
Jennifer Kaplan, MD, MS Chair (2021)
Steven Wolf, MD (2021)
Judith Hellman, MD (2021)