

# AMERICAN SOCIETY OF TRANSPLANTATION

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## ***Welcome to the ID COP Annual Meeting***

***The meeting will begin shortly. Please mute your line and enter your name in the chat for attendance.***

***The AST virtual activities at ATC 2020 are generously supported by:***



# AMERICAN SOCIETY OF TRANSPLANTATION

WE WANT TO  
HEAR FROM **YOU**

What's most important to you? What are we doing well?  
What can we do better?



**AST MEMBERSHIP SURVEY**

Gift card incentives available



AMERICAN SOCIETY OF  
**TRANSPLANTATION**





AMERICAN TRANSPLANT CONGRESS

# ATC2020

THE SCIENCE OF TOMORROW  
STARTS **TODAY**

[ATCMEETING.ORG](https://atcmeeting.org) | [#ATC2020VIRTUAL](https://twitter.com/ATC2020VIRTUAL)

# Infectious Disease Community of Practice (IDCOP) Annual Business Meeting

Sunday, May 31, 2020

VIRTUAL

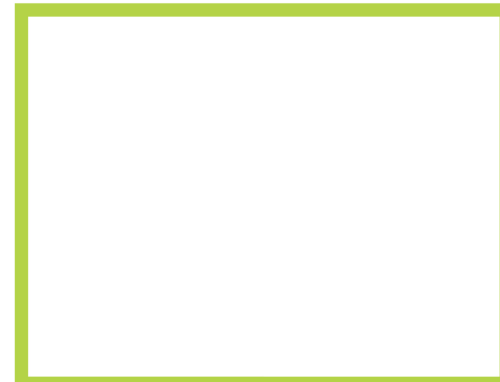


AMERICAN SOCIETY OF  
TRANSPLANTATION

2020VIRTUAL



@AST\_IDCOP





# ID COP Executive Committee 2019-2020

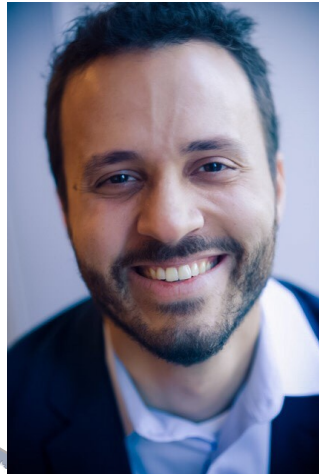
- **Shirish Huprikar** (Past Chair)
- **Lara Danziger-Isakov** (Chair)
- **Nicole Theodoropoulos** (Co-Chair)
- **Marian Michaels** (Board Liaison)
- **Lilian Abbo**
- **Jennifer Chow**
- **Fernanda Silveira**
- **Ghady Haidar** (Early Career)





**Thank you to our  
outgoing ID COP EC  
Members!**

- **Shirish Huprikar**
- **Lilian Abbo**
- **Ghady Haidar**



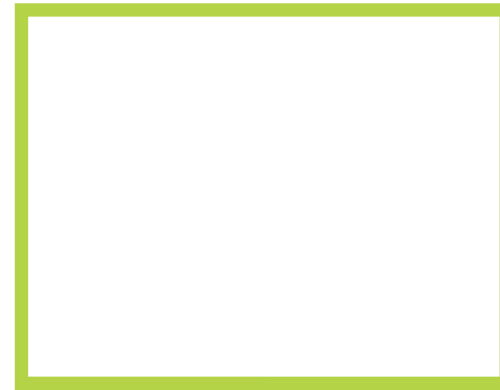
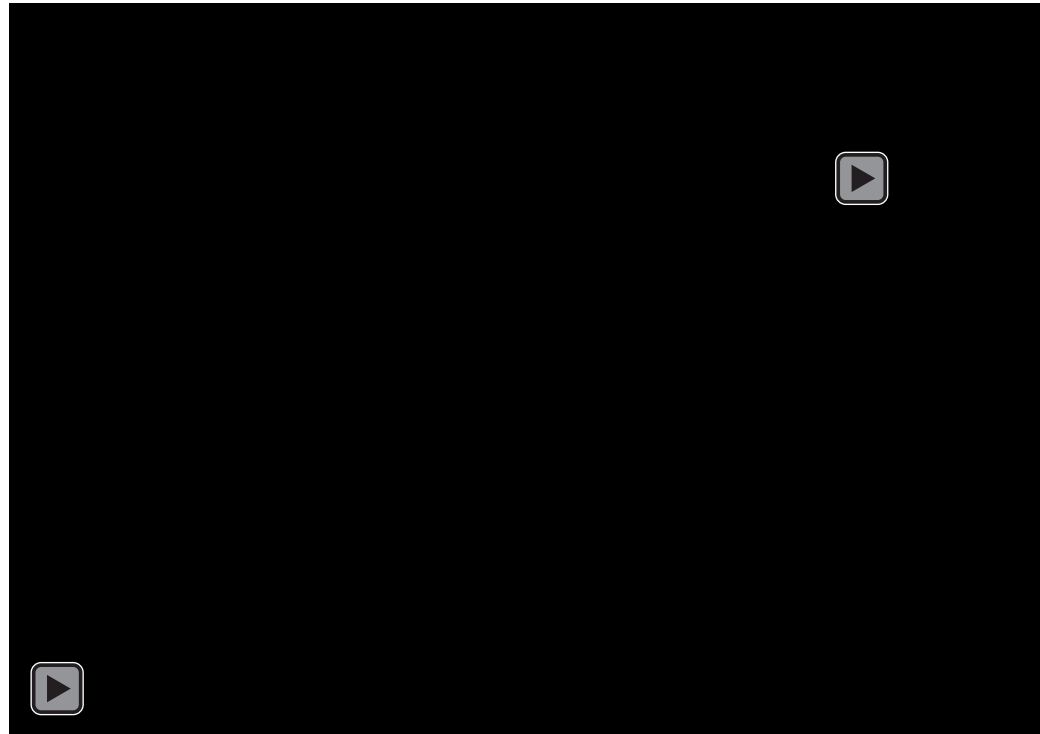




**Thank you to our  
outgoing AST  
Board Liason!**

**Marian Michaels**

# Thanks to Shirish for an Outstanding 6 years of service to the AST ID COP!





# Welcome to our new EC members!!

Co-Chair:

**Aruna Subramanian** (Stanford)



Members at Large:

**Maricar Malinis** (Yale)

**Sarah Taimur** (Mt. Sinai)



Early Career Member:

**Sara Belga** (UBC)



**AST** | AMERICAN SOCIETY OF  
TRANSPLANTATION



**Thank you for your  
continued dedication!**

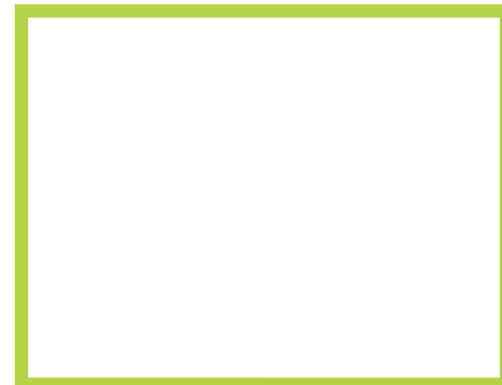
- Ricardo La Hoz, Article of the Month
- Jonathan Hand, Twitter and COP Website
- Olivia Snow, AST Staff





# Thank You to our Workgroup Leadership!

- HIV: Christine Durand, Meena Rana
- Pediatrics: Tanvi Sharma, Bill Muller
- MDRO: Anoma Nellore, Judith Anesi
- Older Adults: Maricar Malinis
- Antimicrobial Stewardship: Shahid Husain, Jonathan Hand, Miranda So
- QI/Safety: Shmuel Shoham
- Mentoring: Ghady Haidar, Jessica Lewis
- Education: Varun Phadke



# COVID-19 Taskforce

- Marian Michaels, Emily Blumberg, Deepali Kumar, Lara Danziger-Isakov & Nicole Theodoropoulos
- Shandie Covington & Izzy D'Onofrio
- As of 5/19/2020
  - Professional FAQ over 165,000 views
  - Patient FAQ 98,560 views
  - COVID-19 video for the transplant community has been viewed more than 2,100 times

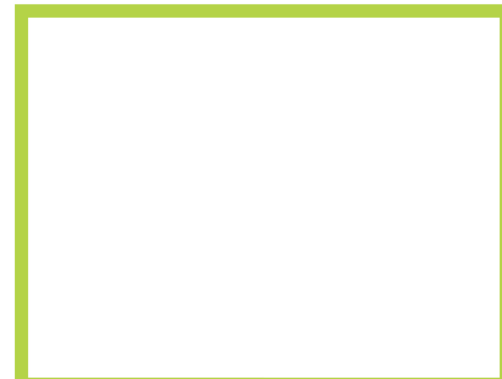




# COVID-19 Taskforce

Thank you to all our ID COP members who contributed to the multi-society Town Halls!

- Emily Blumberg
- Marian Michaels
- Lara Danziger-Isakov
- Deepali Kumar
- Jonathan Hand
- Atul Humar
- Michael Ison
- Olivia Kates
- Fernanda Silveira
- Erika Lease
- Marwan Azar
- Paolo Grossi
- Melissa Greenwald
- Marcus Pereira
- Saima Aslam
- Sajal Tanna
- Ajit Limaye



# Congratulations & Thank you!

Emily Blumberg on an amazing &  
crazy year as AST President!

The ID COP appreciates you!!

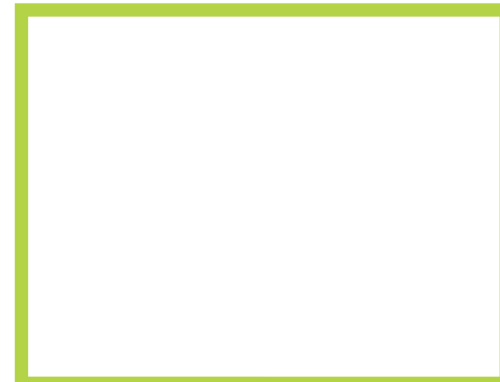


# AST Town Hall Meeting & Reception

Monday, June 1, 4:30 PM ET  
Virtual



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# ID Topics at ATC 2020

- COVID-19 Symposia
  - Sat, 5/30, 2:25-3:10 PM
  - Mon, 6/1, 1:25-2:10 PM
- Thank you to Raymund Razonable for representing the ID COP on the ATC Planning Committee
- Thanks to Dan Kaul for assisting on the ATC COVID Symposium planning committee
- Thank you to Deepali Kumar, Marian Michaels, Marcus Pereira, Olivia Kates, Michael Ison & Robin Avery for participation in the COVID-19 symposia

# ID Week/ID COP Reception

- Thursday October 22
- Details to follow





# **ATC 2021 ID COP PLANNING MEETING**

- TBD
- Awaiting updates from AST staff in June
- Will need your help!



# ID COP Trainee Travel Awards for ATC 2020

**Anum Abbas**

Mentor:  
Kyle Brizendine  
CCF

Alternate Triazole Therapy for Breakthrough Invasive Fungal Disease in Lung Transplant Recipients on Triazole Prophylaxis

**Julie Steinbrink**

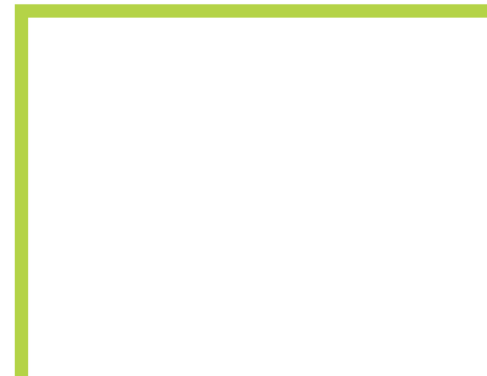
Mentor:  
Cam Wolfe  
Duke

Real-World Experiences In The Transplantation Of Hepatitis C Positive Kidneys

**Andrew Karaba**

Mentor:  
Robin Avery  
Johns Hopkins

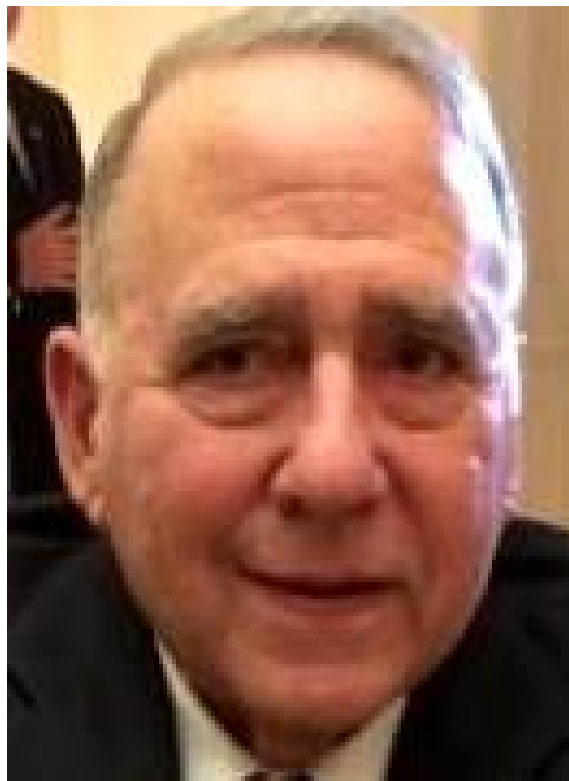
Proinflammatory Cytokines Including IL-18 Correlate with Cytomegalovirus DNAemia in Solid Organ Transplant Recipients



# AST Mentoring Achievement Award

**Congratulations  
Christin Rogers Marks,  
PharmD, BCPS, FAST,  
FCCP**





# Dr. Robert “Bob” Rubin ID COP Award

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- Awarded yearly to a member of the AST ID COP to recognize outstanding achievement in TID
- Criteria:
  - *Member in good standing of the AST ID COP*
  - *Nomination by self or another member of the AST*
  - *A significant contribution to Transplant Infectious Disease in the past year including but not limited to:*
    - *Clinical care*
    - *Advocacy*
    - *Education*
    - *Mentoring*
    - *Service to the Transplant ID Community*
    - *Scientific discovery*



# Dr. Robert “Bob” Rubin ID COP Award

Winner #1

“[She] spearheaded the publication of over 40 articles from the ID COP in the journal Clinical Transplantation”

“Advocacy on AST Board, strongly advocates for ... importance of Tx ID in aspects of the society”

“Role model for many of our female fellows”

“Several high profile papers in the last year”

“works tirelessly through the AST to promote the Tx ID community”

# Dr. Robert “Bob” Rubin ID COP Award

Winner #2

“[He] championed transplant infectious diseases throughout his entire career”

“clinical acumen is well known throughout the world”

“spent his life dedicated to sharing his passion for TID with junior faculty, mentoring many along the way”

“even through email or a text, I can feel [his] smile and hear his wit”

“co-editor of the very first edition of the AST ID guidelines ... most recent one for which he served as Editor-in-Chief”

## ***Dr. Robert “Bob” Rubin ID COP Award***

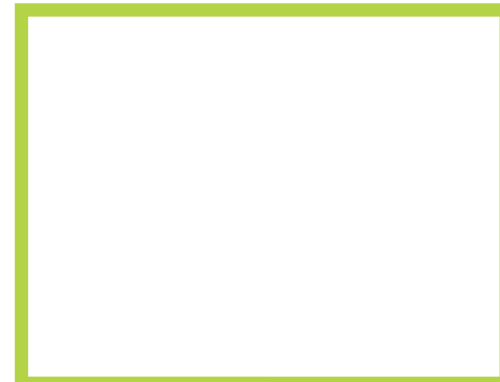
Deepali Kumar  
Mike Green





# Transplantation in HIV Subgroup

Co-chairs: Christine Durand & Meenakshi (Meena) Rana



# Project Updates: HIV in Kidney Transplant

- Multicenter Study – HIV in Kidney Transplant – Christin Rogers
  - Study objectives: look at rejection and infections with granular data on immunosuppression, antiretroviral therapy, and HIV-specific variables
  - REDCap access granted, data collection began on 6/1/18
    - DUAs to allow data going in and out of database allowing opportunities for sub-studies
  - 5 participating centers, n=67 recipients entered to date:
    - Yale: M. Malinis, 0
    - Colorado: M. Abdi, 6
    - BIDMC: C. Rogers/C. Alonso, 40
    - Ochsner: J Hand, 6
    - Johns Hopkins: C Durand, 15
  - Timeline – Data entry finalized by September 2020 for ATC 2021 abstract

## Proposed Project: CD4 threshold for HIV+ transplantation (Sapna Mehta, NYU)

- **Background:** NIH safeguards specify an absolute CD4 count  $>200$  cells/mm<sup>3</sup> for eligibility for HOPE transplant. A threshold for CD4 % is not included. CD4% has been previously shown to be more reliable than absolute CD4 count.
- **Proposal:** Retrospective multicenter case series of patients who underwent HIV D-/R+ organ transplant with an absolute CD4 count  $<200$  to describe the following outcomes, in comparison to HOPE in Action Pilot study
  - Incidence of opportunistic and non-opportunistic infections during year 1 post-transplant
  - Incidence of acute rejection during year 1
  - CD4 count/% recovery to pre-transplant baseline by year 1

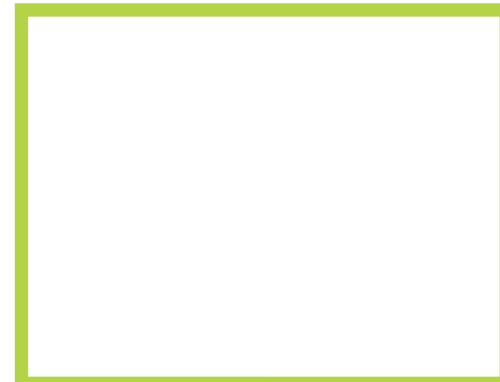


# ID COP: MDRO Working Group

Chair: Anoma Nellore ([anellore@uabmc.edu](mailto:anellore@uabmc.edu))

Co-Chair: Judith Anesi ([Judith.Anesi@uphs.upenn.edu](mailto:Judith.Anesi@uphs.upenn.edu))

Past Chair: Stephanie Pouch ([stephanie.pouch@emory.edu](mailto:stephanie.pouch@emory.edu))



# 2019-2020 Updates

## • Research Projects

- Manuscript finalized for submission
  - Prior Infection or Colonization with CRE is Not an Absolute Contraindication for SOT (Sarah Taimur, Shirish Huprikar)
- Manuscripts in preparation
  - Outcomes Associated with CRE Infection after SOT in a Multicenter Study (Meena Rana, Shirish Huprikar)
  - Daptomycin MIC of Vancomycin-Resistant Enterococcal Blood Isolates Correlates with Allograft Failure in Orthotopic Liver Transplant Recipients (Anoma Nellore, Jason Goldman)
  - Susceptibility Patterns of Pre-Transplant *Pseudomonas aeruginosa* and Post-Lung Transplant Outcomes in Patients with CF (Stephanie Pouch, David van Duin, Seema Mehta)
- Data collection
  - Cardiac Device Infections due to MDRO Bacteria and Fungi (Sarah Taimur)

## • Educational Initiatives

- Journal Club (Judith Anesi)

# 2020-2021 Future plans

- **Research Projects**

- Finalize manuscripts for several projects
- Recruit sites, complete data collection for MRSA LVAD study
- Start recruiting for MDR GNR LVAD study
- Consider additional proposals

- **Educational Initiatives**

- Develop Transplant in 10 educational session on MDROs
- Work with Antimicrobial Stewardship Working Group to develop additional content

## transplantid.net

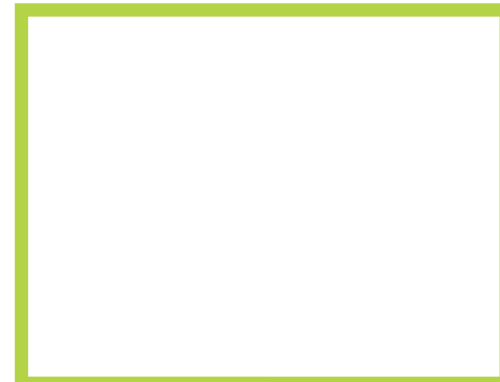
- Created by Yorum Puius, MD
- Online library through open-source bibliographic software (Zotero)
  - Full abstract and link to article
  - Abstract and bibliographic information searchable
  - Cross-referenced (references may be in >1 category)
  - Continually maintained
- Dual purpose
  - Point-of-care reference
  - Educational resource
- Workgroup to maintain: Drs. Azar, Subramanian, Drelick, Taimur, Moulton, Fung
- Email [transplantid.net@gmail.com](mailto:transplantid.net@gmail.com) if you want to join the workgroup and/or if you have feedback to improve site



# Pediatric Transplant ID Workgroup

Co-chairs: Tanvi Sharma & Bill Muller

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**AST IDCoP  
Pediatric  
Workgroup  
(pWG) Update:  
May 2020**

**IDCoP pWG goals and deliverables**

**Goal: Create infrastructure of pediatric workgroup and expansion of membership**

- Environment for intra-professional consultation, and sharing of information, collective institutional protocols, guidelines

**Goal: Improve educational efforts**

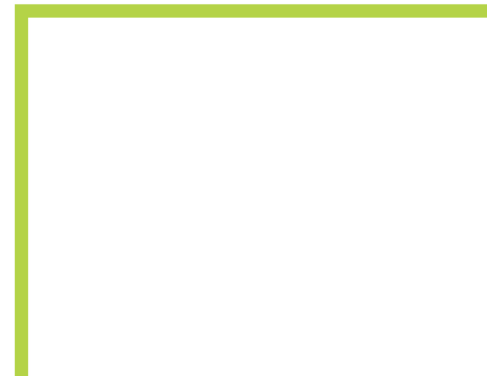
- Fellow education: Pediatric transplant ID interactive educational modules (joint effort between AST and Pediatric Infectious Diseases Society)
  - 8 modules published previously on AST IDCoP and PIDS websites
  - Additional 12 modules in final stages of review as of May 2020; will complete reviews and edits within the next few weeks and plan to upload all modules to both AST and PIDS sites by June 2020
- Member education: Pediatric transplant ID journal club
  - Peds-specific article with summary distributed each quarter to the pWG members – ongoing, plans to distribute more broadly to entire IDCoP

**Goal: Provide platform for pediatric-specific guideline development and research projects**

- Vaccine hesitancy/refusal in pediatric SOT survey (Blanca Gonzalez, Heather Daniels – Cleveland Clinic): Data analysis in progress
- Approach to screening for congenital CMV in infants <12 months who are SOT candidates (Bill Muller – Lurie Children's): Protocol approved by IDCoP EC; 12 sites interested in participating and IRB submissions in progress; REDCap database will be established at Northwestern for data entry
- New study proposals
  - Assessment of consideration of HCV+ donors for pediatric SOT survey (Paul Sue – UT Southwestern): pWG members reviewing draft survey and providing input; once final will submit to IDCoP EC
  - Retrospective review of live virus vaccination in select SOT recipients (Lara Danziger-Isakov – Cincinnati Children's, Amy Feldman – Colorado Children's, collaborative research effort with PIDS): Multicenter study to assess adverse events and immune responses after live vaccine administration in eligible SOT recipients; project initiated

# Quality Improvement & Safety

Chair: Shmuel Shoham



# Multicenter study of pre-transplant immunization practices

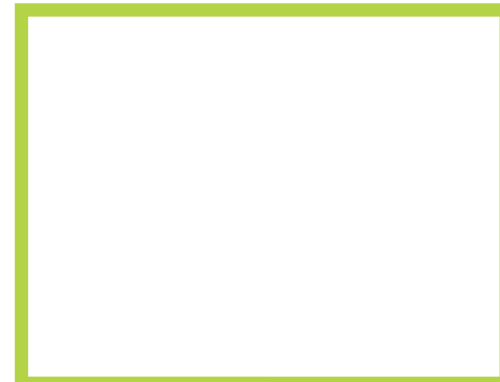
- **Hypothesis:** Immunization practices amongst patients listed for solid organ transplantation deviate from published guidelines. Specific risk factors for non-adherence can be identified
- **Objective 1:** Establish baseline vaccination protocols at transplant centers across North America
- **Objective 2:** Quantify rates of deviation from centers' protocol for targeted vaccines (influenza, pneumococcal, hepatitis B, hepatitis A in liver transplant candidates, tetanus/diphtheria/pertussis)
- **Objective 3:** Identify specific factors associated with non-adherence (demographics, transplant type/underlying disease, insurance type, zip code, your thoughts)



# Older Adult Working Group

Chair: Maricar Malinis

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# Frailty Status and Infections in Older Adults after SOT

- Approved by the AST Board
- Collaborative initiative with other COPs

## Study Aims:

- To determine the association of pre-transplant frailty status and infections after solid organ transplantation in older adults
- To describe the clinical outcomes of older frail solid organ transplant candidates

Maricar Malinis (Yale)  
 Joanna Schaeenmann (UCLA)  
 Esther Benamu ( University of Colorado)  
 Raj Nog (Westchester Medical Center)  
 Sarah Taimur ( MSSM)  
 Julia Garcia -Diaz ( Oschner)

JAL

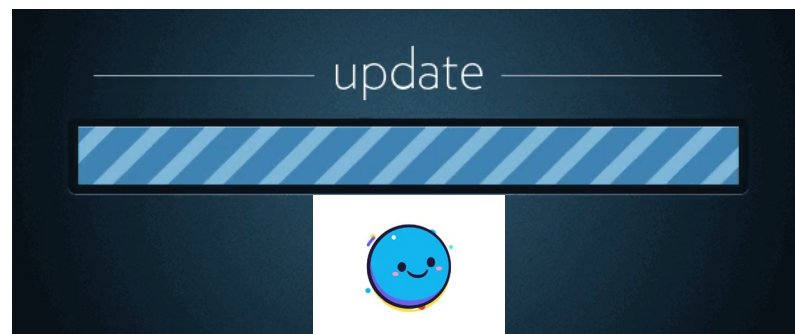
## Hypothesis:

- Older frail adults at time of transplant are at increased risk for post-transplant infections.

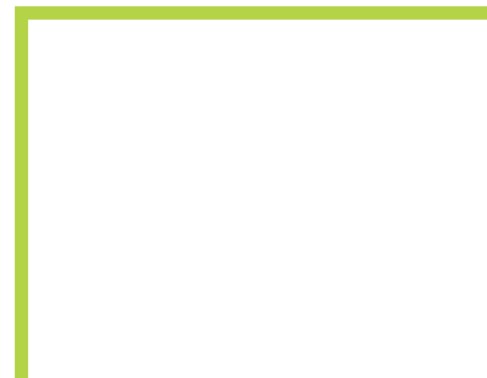
## Study Procedures:

- This will be a retrospective study involving medical chart review
- Frailty will be defined by validated measures: modified frailty index, Lekan frailty index and Fried frailty index (if available).
- Yale will be the coordinating site
- IRB approval and data user agreement – completed at all sites
- Database set up on OnCore
- Data collection – June until end of the year for liver transplant cohort

# Antimicrobial Stewardship in Solid Organ Transplant AST-SHEA-CDC Working Group



**Jonathan Hand, Miranda So and  
Shahid Husain**



# Working Group Members

## TxAQP

Erika Lease  
Linda Ohler

Seattle, WA  
New York, NY

## CDC

Sarah Kabbani

CDC Atlanta, GA

## Pulmonary COP

Deborah Levine  
Jeff Edelman

San Antonio, TX  
Vienna, VA

## KP COP

Darshana Dadhania  
Bruce Kaplan

New York, NY  
Temple, TX

## Liver COP

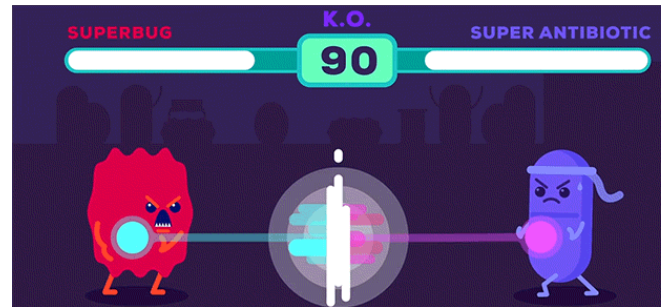
Helen Te  
Elizabeth (Betsy) Verna

Chicago, IL  
Hartsdale, NY

## Pharmacy COP

Margaret (Mei) Jorgenson  
Michael Spinner Cleveland, OH

Madison, WI



## ID COP

Gopi Patel  
Dilek Ince

New York, NY  
Iowa City, IA

Lilian Abbo

Miami, FL

Monica Ardura

Columbus, OH

## SHEA

Rachel Bartash  
Jennifer Pisano

New York, NY  
Chicago, IL



**WG Chair:** Shahid Husain  
Toronto, Canada



**Co-chair:** Jonathan Hand  
New Orleans, LA



**Co-chair:** Miranda So  
Toronto, Canada



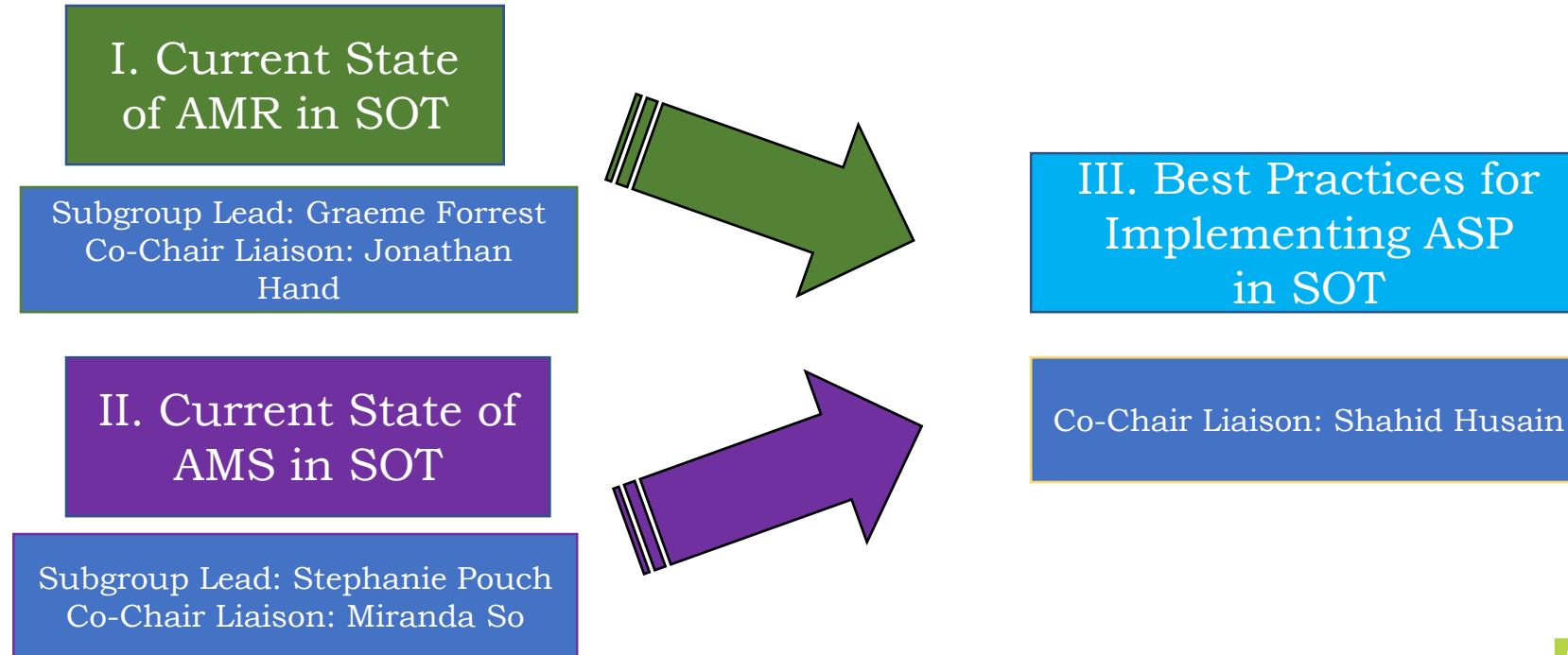
**Co-lead:** Stephanie Pouch  
Decatur, GA



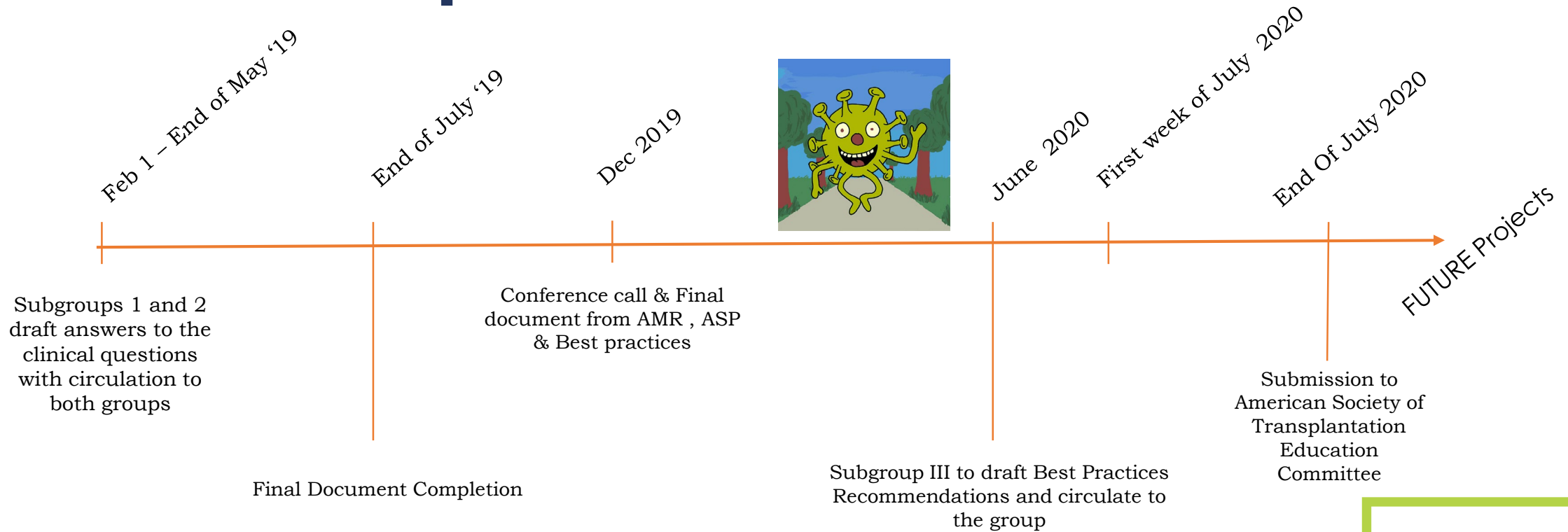
**Co-lead:** Graeme Forrest  
Portland, OR



# Working Group Structure



# Revised Project Timelines



# Future Direction

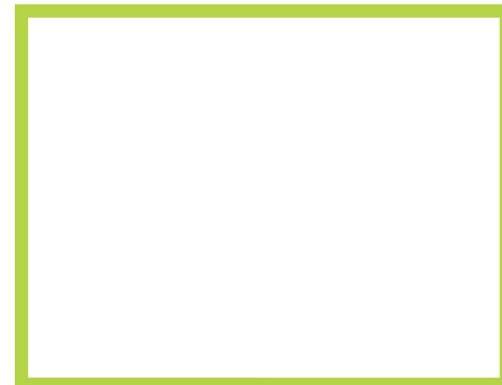
The pandemic may be over;  
but \_ \_ \_ \_ \_ may not be!



# Education Work Group

Chair: Varun Phadke

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# AST IDCOP Education Work Group

- Current Activities
  - Updated Trainee Survey
  - T3 webinar Proposals
  - ATC 2021 (and beyond) Proposals
- Future Activities
  - Updated White Paper for Transplant ID Curriculum
  - Development of Educational Materials for Transplant ID Training Programs

Member	Role	Institution
Varun Phadke (chair)	Adult ID	Emory University
Monica Ardura	Pediatric ID	Ohio State University
Rachel Bartash	Adult ID	Albert Einstein College of Medicine
Elena Beam	Adult ID	Mayo Clinic
Esther Benamu	Adult ID	University of Colorado
Emily Blodget	Adult ID	University of Southern California
Lara Danziger-Isakov	Pediatric ID	Cincinnati Children's Hospital Medical Center
Lakshmi Ganapathi	Pediatric ID	Boston Children's Hospital
Rachel Friedman-Moraco	Adult ID	Emory University
Shilpa Jain	Adult ID	University of Toronto
Maricar Malinis	Adult ID	Yale University
Megan Morales	Adult ID	Virginia Commonwealth University
Kathleen Murphy	Adult ID	University of Pennsylvania
Anoma Nellore	Adult ID	University of Alabama Birmingham
Saman Nematollahi	Adult ID (fellow)	Johns Hopkins University
Karam Obeid	Adult ID	University of Minnesota
Scott Roberts	Adult ID (fellow)	Northwestern University
Tanvi Sharma	Pediatric ID	Boston Children's Hospital
Nicole Theodoropoulos	Adult ID	University of Massachusetts

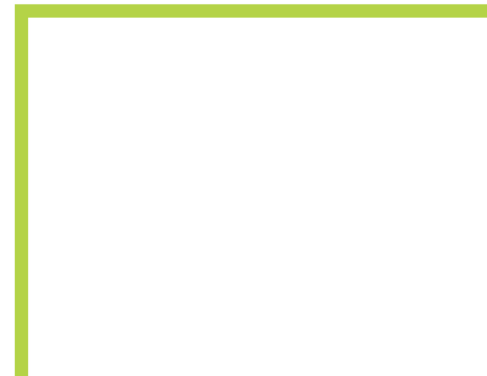
# Limitations of existing survey data

Publication	Limitations
<b>Trainee needs in pediatric transplant ID</b> Ganapathi et al. (2017)	<ul style="list-style-type: none"> <li>– Knowledge/competence was self-assessed using a Likert scale</li> <li>– Did not assess competency with activities not involving direct patient care</li> </ul>
<b>Survey of adult and pediatric ID and transplant ID fellows in US and Canada</b> Tan et al. (2018)	<ul style="list-style-type: none"> <li>– Adequacy/satisfaction of transplant ID training was assessed on a subjective Likert scale by self-report</li> <li>– Assessment of training experiences limited to clinical exposure, and did not include activities not involving direct patient care (e.g. donor evaluation, selection meetings, etc.)</li> </ul>

- Proposal for updated survey
  - Target current fellows and recent graduates to gain insight into needs that accompany the transition to faculty/independent practice
  - Ask granular questions about clinical and non-clinical educational experiences
  - Explore the ‘pipeline’ into transplant ID (interest, motivation, etc.)

# Mentoring Initiative

Chairs: Ghady Haidar and Jessica Lewis





## Background

- Junior faculty and trainees can find it difficult to become established in TID
  - Those at smaller centers face greater challenges
  - Limited access to regional and national committees
  - Inability to attend ATC leads to missed opportunities
- Formal mentorship through the AST IDCOP may help fill these gaps

# Action plan

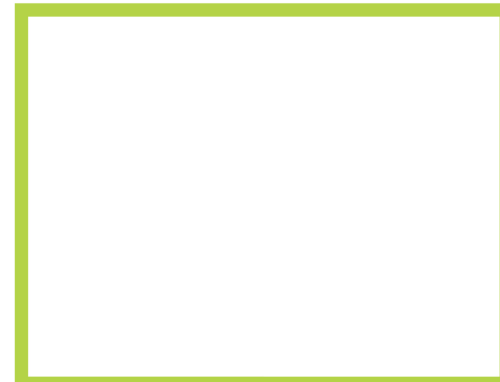
- Mentorship program launched in 2020
- Eligible mentees
  - Transplant ID faculty at the Instructor or Assistant Professor level
  - Current transplant ID fellows
  - ID fellows who have been accepted into a transplant ID training program, are part of a TID training track, are planning to apply for additional training in TID, or are interested in pursuing a career in TID. This includes pediatric ID fellows with an interest in TID (but not necessarily in a TID fellowship/track).
  - Must be a member of the AST (or applied for AST membership at the time of application to this program)
  - Must plan to attend ATC 2020

# Action plan

- Application sent on the AST IDCOP listerv on May 11, 2020
- Each mentee will be paired with a mid- or senior-level faculty member within the field of transplant ID who best matches the mentee's goals and desired career path
  - Clinician, clinician researcher, clinician educator, clinician administrator, basic scientist
  - 1:1 pairs will be attempted unless there is an obvious match of 2 mentees to the same mentor
- Initial meetings will be virtual in June/July due to COVID-19
  - Hope for in-person meetings in the future
- We will send out reminders on a quarterly basis to encourage mentors and mentees to connect, but will otherwise allow things to organically evolve

# Improving the program

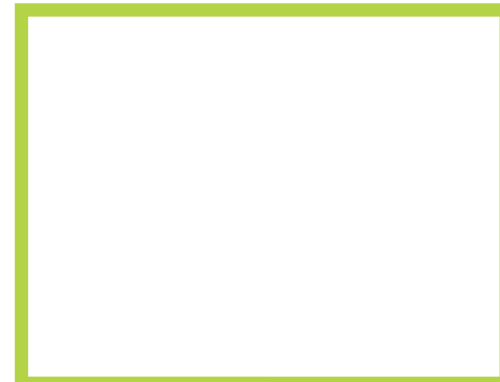
- We will send out annual surveys to mentors and mentees so they can rate their experiences and provide feedback, which will allow us to improve the program
- These surveys will also include a status report on the career of the mentee (publications, promotion, grants etc)





# AST Journal Club/T3 Webinars

- 2019-20 Journal Club
  - Risk factors for MDRO among deceased organ donors (Anesi/Kaul) Oct 2019
  - Ultra short DAA to Prevent HCV in Kidney Tx (Sawinski/Gupta/Sterling) Jan 2020
- T3 Webinars
  - HCV NAT +/- in Abd Organ Transplant, May 2020 (Durand/Sawinski/Terrault)
  - Diagnostic Stewardship in SOT, Mar 2020 (Kumar/Hanson/Caliendo)
  - Sexual Health Recommendations, Nov 2019 (Meyers/Coscia/Ardura)
- 2020 Education Needs Assessment Results



## New Business or Ideas??

- Please contact us!
- [Lara.Danziger-Isakov@cchmc.org](mailto:Lara.Danziger-Isakov@cchmc.org)
- [Nicole.theodoropoulos@umassmemorial.org](mailto:Nicole.theodoropoulos@umassmemorial.org)
- [asubram2@stanford.edu](mailto:asubram2@stanford.edu)
- [osnow@myast.org](mailto:osnow@myast.org)

