



SOCIETY OF INFECTIOUS  
DISEASES PHARMACISTS

# Welcome to the 2022 SIDP Business Meeting



@SIDPharm  
#SIDP2022

Oct 18, 2022

# Agenda

## #SIDP2022

Time (EST)	Event	Speaker(s)
1:00 pm	Registration	
2:30 - 3:30 pm	President's Welcome Business Meeting Strategic Planning Treasury Report	Scott Bergman, PharmD, FCCP, FIDSA, BCIDP  Antimicrobial Stewardship Coordinator, Nebraska Medicine Clinical Professor, University of Nebraska Medical Center, College of Pharmacy
3:30 - 4:15 pm	Keynote presentation A Seat at the Table: Advocating for ID Pharmacy	Ilisa Bernstein, PharmD, JD, FAPhA  Interim CEO and Executive Vice President American Pharmacists Association (APhA)
4:15 - 5:00 pm	Break in Vendor Hall	
5:00 pm - 5:50 pm	Research Awardee Presentations  Awards New Fellows Installation of Incoming Board Members	Tomefa E. Asempa, PharmD Marguerite Monogue, PharmD, BCIDP  Scott Bergman, PharmD, FCCP, FIDSA, BCIDP SIDP President
5:50 - 6:00 pm	Incoming President's Remarks	Melissa Johnson, PharmD, MHS, AAHIVP  Professor of Medicine Duke University Medical Center Liaison Clinical Pharmacist, DASON
6:00 pm - 9:00 pm	Reception	

# 2022 Annual Meeting Sponsors



**Gold Sponsor**



# 2022 Annual Meeting Sponsors



## Silver Sponsors

The logo for Insmmed, featuring a cluster of colored dots (green, blue, purple) above the word "insmed" in a purple, lowercase, sans-serif font with a registered trademark symbol.

**insmed**<sup>®</sup>

The logo for Merck, consisting of the word "MERCK" in a bold, blue, uppercase, sans-serif font.

**MERCK**

The logo for Melinta Therapeutics, featuring a stylized teal square icon to the left of the word "melinta" in a dark teal, lowercase, sans-serif font, with "therapeutics" in a lighter teal, lowercase, sans-serif font below it.

**melinta**  
therapeutics

Unparalleled in passion & purpose.

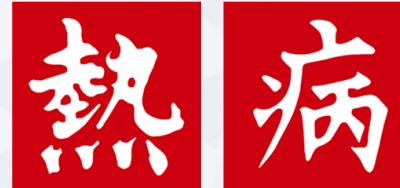
# 2022 Annual Meeting Sponsors



## Bronze Sponsors



SANFORD GUIDE



# The SIDP Board of Directors, 2022



Scott Bergman  
President



Susan Davis  
Past President



Melissa Johnson  
President-Elect



Jamie Wagner  
Secretary



Erin McCreary  
Treasurer



Alan Gross  
Member  
At Large



Meghan Jeffres  
Member  
At Large



# Executive Director's Remarks

Margo Farber, Pharm.D.

SIDP Executive Director

[mfarber@sidp.org](mailto:mfarber@sidp.org)

# President's Report

Scott Bergman, PharmD, FCCP,  
FIDSA, BCIDP

[scbergman@nebraskamed.com](mailto:scbergman@nebraskamed.com)



@bergmanscott

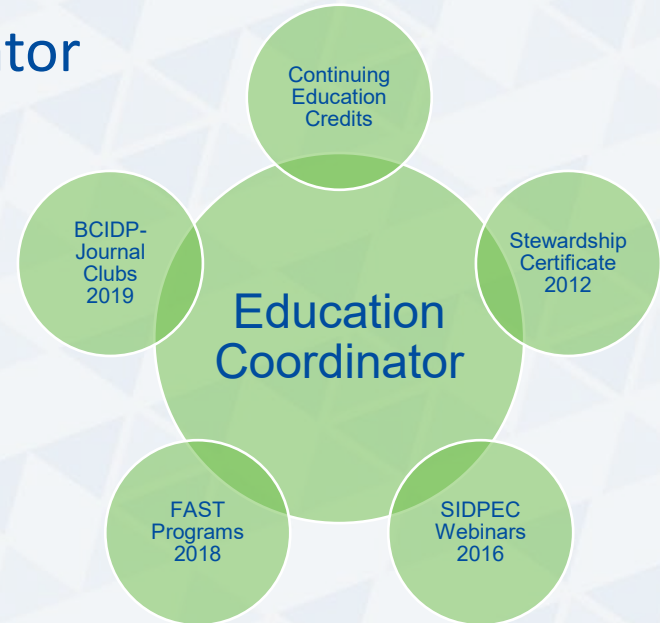


# Key Initiatives 2021-22

- Refresh our Educational Portfolio
- Plan for a Sustainable Future
- Continue a Culture of Community

# Refreshing our Educational Portfolio

- Hire and onboard new education coordinator
  - Sarah Eudaley, PharmD
    - Associate Professor
    - Univ of Tennessee
- Revising AMS Certificate
- ProCE → Clinical Education Alliance (CEA)
  - Parent company of Clinical Care Options (CCO)
  - Check your BCIDP credits



# Planning for a Sustainable Future

- Build membership
  - Make joining, upgrading and renewing membership easier
    - No letters needed for BCIDP and PGY2 graduates to obtain full membership or anyone to become an associate member
    - Focus on improving our diversity and reaching out to students
  - New discounted categories of membership
    - Emeritus \$50
    - Low & Middle-Income Countries \$25

# Continuing a Culture of Community

- Diversity, Equity and Inclusion embedded throughout organization
  - Enhanced awareness of Implicit Bias in committees
  - Code of Conduct and Member profile update
- Develop future leaders and build the “bench”
  - Continue quarterly calls with committee chairs/vice-chairs
- Foster relationships with other organizations
  - IDWeek/Annual Meeting
  - IDSA Guidelines

# Treasurer's Report

## 2022 Annual Meeting

Erin McCreary, SIDP Treasurer

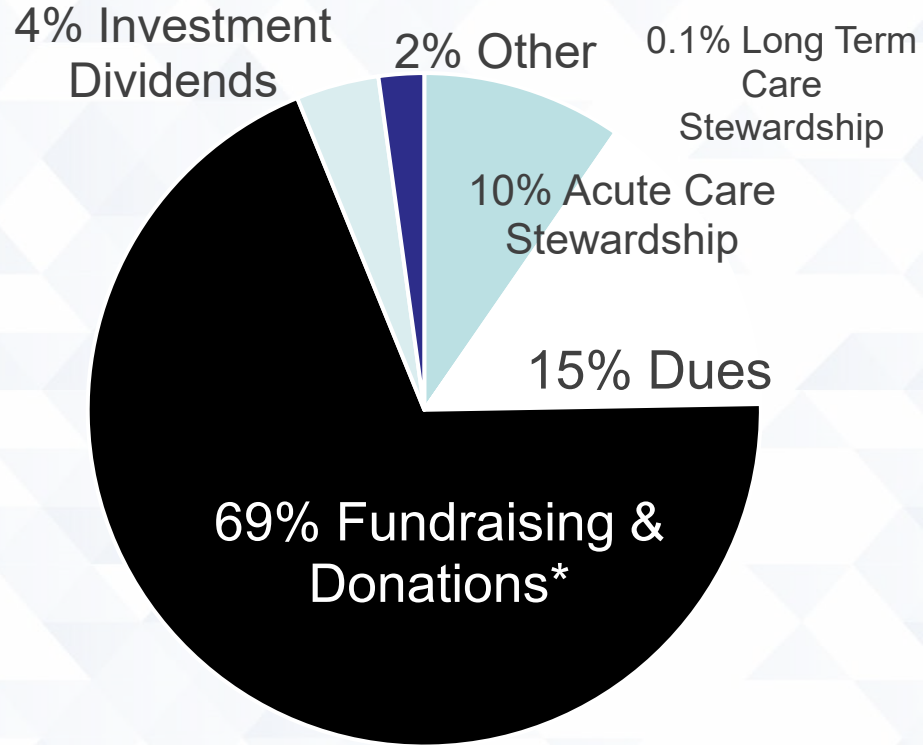


**SIDP**

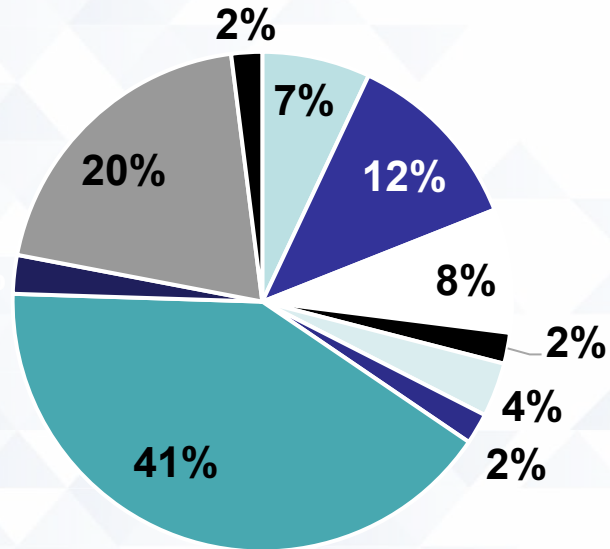
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# 2022 Income

Through  
September 2022



# 2022 Expenses

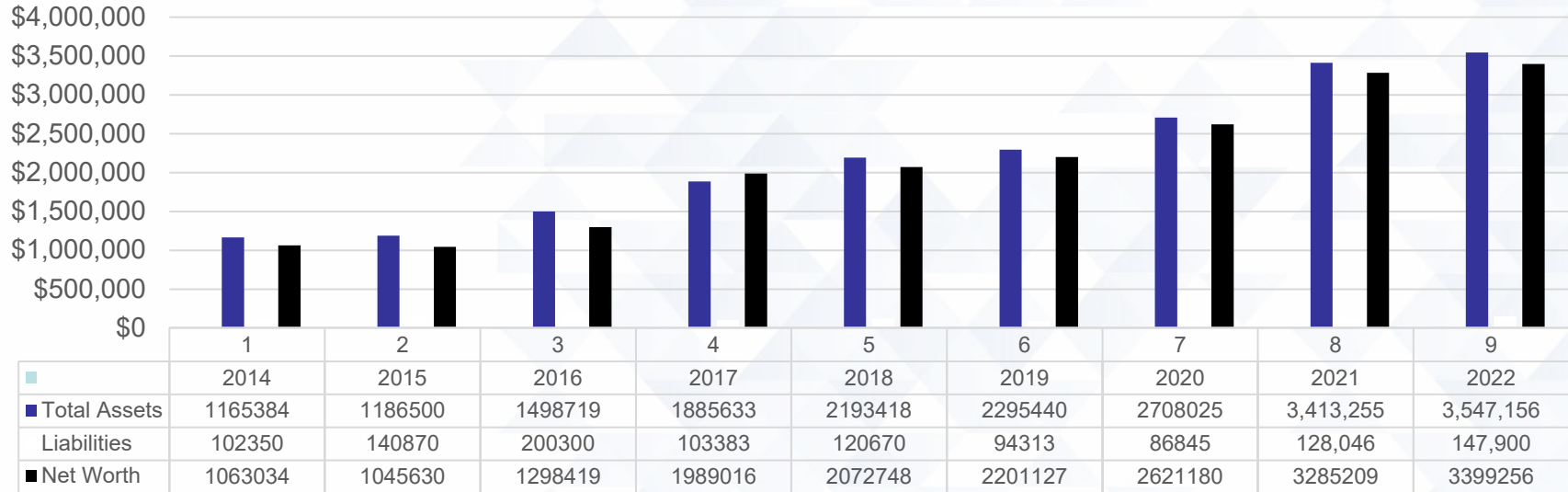


- Staff (7%)
- Insurance/Operations/Other (8%)
- Stewardship Programs (4%)
- Grants and Awards (41%)
- Annual Meeting (20%)
- Management Company (12%)
- Fundraising (2%)
- BCIDP (2%)
- Audit (3%)
- Leadership Travel (2%)

# Balance Comparison 2014 – 2022

(data through Aug 2022)

Balance Sheet



■ Total Assets   ■ Liabilities   ■ Net Worth





# Finance Year In Review

- CE coordinator biggest expense and opportunity
- Audit contract renewed at discounted rate due to years of clean, successful audits
- Our investment managers are amazing
  - Reserve and Endowment (Research/Scholarship)
- Endowment Executive Committee Established
  - First disbursement (2020) funded \$40,000 DEI grant
  - Second proposed (2021) funded \$50,000 pharmacy workforce survey
- Record Fundraising years
  - Increased member scholarships, awards, grants, paid opportunities

# Residency Grant



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# SIDP ID Pharmacotherapy Residency Award 2022-2023



PGY2 Infectious Diseases Residency  
St. Jude Children's Research Hospital  
Memphis, TN

Director: Ted Morton Pharm.D., BCIDP  
Resident: TBD

# Early Career Research Awards 2022-2023



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# Early Career Research Award

**Katie Olney, PharmD, BCIDP**  
**University of Kentucky HealthCare**



**“Pharmacokinetic/  
Pharmacodynamic  
Evaluation of  
Fixed-Dose  
Daptomycin”**

**Julie Ann Justo, PharmD, MS, FIDSA, BCPS-AQ ID**  
**University of South Carolina College of Pharmacy**



**“Therapeutic Drug  
Monitoring-Guided  
Linezolid Dosing for  
Serious Gram-Positive  
Bacterial Infections  
Requiring an Extended  
Duration of Therapy”**

# Educational Grant

- Trang Trinh, PharmD - UCSF School of Pharmacy
  - *Informational video on infectious diseases pharmacists for undergraduate/new pharmacy students*
  - \$2,462

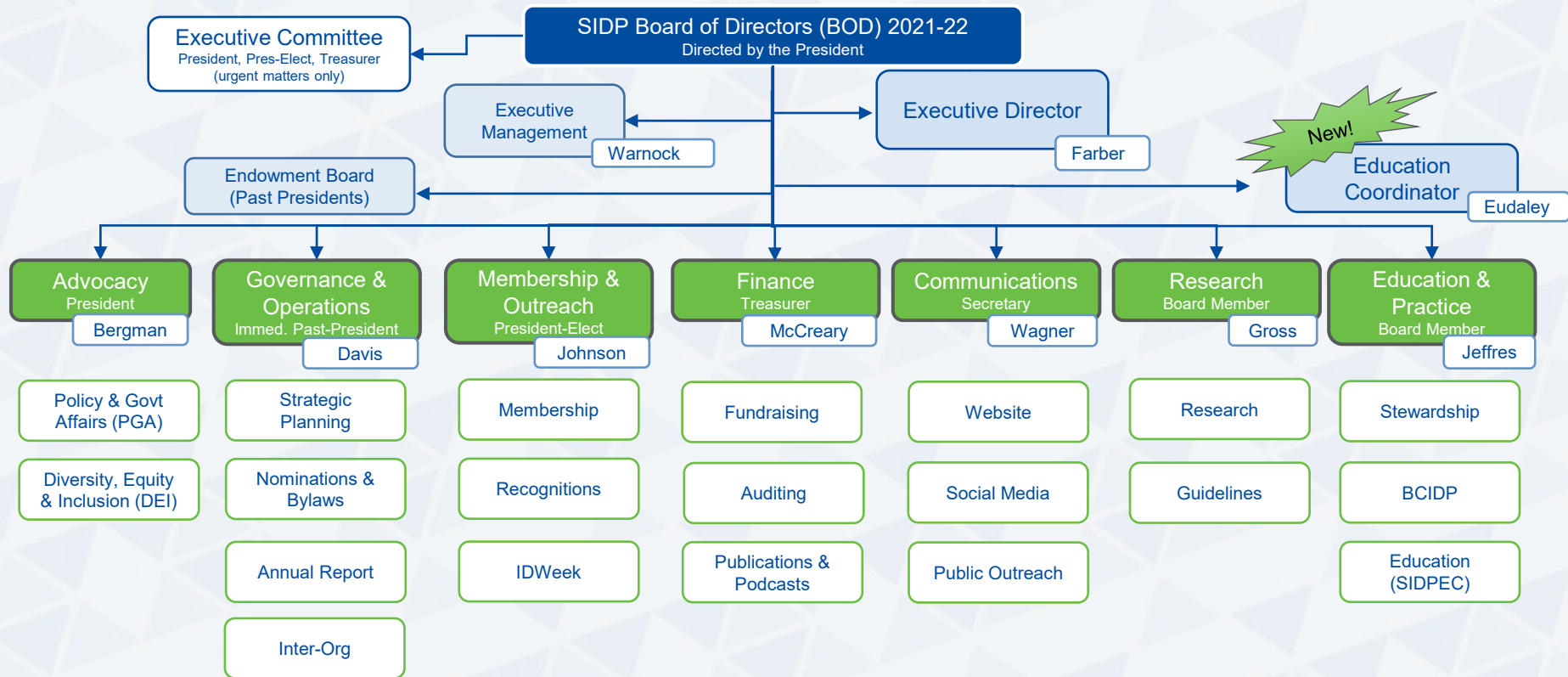


Business  
Meeting  
Committee  
Reports



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# Policy & Government Affairs (PGA) Committee



- Chair: Ramy Elshaboury
- Vice-Chair: Betsy Hirsch
- Past-Chair: Thomas Dilworth
- Board Liaison: Scott Bergman
- Exec. Director: Margo Farber
- DEI Liaison: Dominic Chan



## Members:

- Amolee Patel
- Bethany Wattles
- Brandon Smith
- Brian Werth
- Bryan Alexander
- Catherine Vu
- Elizabeth Hermsen
- Geneen Gibson
- Hita Bhagat
- Jovan Borjan
- Keith Teelucksingh
- Krista Gens
- Kristi Kuper
- Monica Bianchini
- Nicholas Rebold
- Sarah Whaley
- Kristen Lucas
- Mike Dudley



SHEA-PPGA

# PGA Committee Highlights

- Formalized PGA affiliation with SHEA PPGA (permanent SIDP member on Committee)
- Facilitated meetings with congressional staffers re: increased NSHN funding & platform enhancements (Representatives and Senators from **6** states)
- Drafted executive report on SIDP **PGA** Communication **Roadmap**
- Drafted SIDP **Advocacy Agenda** on **Antimicrobial Development**
- Facilitated **two** new SIDP Affiliations:
  - National Academies of Sciences, Engineering, and Medicine (NASEM) – Forum on Microbial Threats
  - National Institute of Antimicrobial Resistance Research and Education (NIAMRRE)
- Co-signed **15** statements & letters with strategic partners and organizations
- Reviewed and provided public comments on FY23 CMS-IPPS

# DEI Committee



**Chair:** Robbie Christian

**Vice Chair:** Kenneth Lawrence

**Board Liaison:** Scott Bergman



## Members:

Chandria Mitchell

Dominic Chan

Edoabasi McGee

Faryal Qureshi

Fidelia Bernice

Jacinda Abdul-Mutakabbir

Jennifer Xin Liao

John Allen

Juan Villanueva

Keriann Bennett

Krutika Mediwala

Lee Nguyen

Lina Hamid

Michael Parisi

Mercado

Nathan Everson

Rodrigo Burgos

Ronda Akins

Saloni Patel

Surafel Mulugeta

Tiffany Bias

Veena Venugopalan

Yewande Dayo

# SIDP Committee Highlights

- **\$40,000** allocated to award **two** research grants

Yewande Dayo, PharmD and Brenda Simiyu, PharmD, for their proposal titled “Exploring Factors that impact Mentorship of minoritized individuals in Professional Organizations.”

Christine Dimaculangan, PharmD, for the proposal entitled, “Project PLAY: Pharmacists-Led PrEP Education in Young Adults.”



- **Several DEI Celebrations:** MLK Jr. Day, Black History Month, Pride Month, Hispanic Heritage Month

- **Implicit Bias Training** initiated for all SIDP Leaders

- Who We Are statement adjusted to include *“We are committed to the embracement of **diversity, equity and inclusion** in every element of our mission, vision and values including, but not limited to SIDP members, external partners and the patients we serve.”*

**BLACK HISTORY MONTH**

The SIDP Diversity, Equity & Inclusion Committee invites you to join us as we celebrate the contributions of African American infectious diseases pharmacists.

Represent your HBCU or other institution of higher education.

Pharmacists | Physicians | other Medical Professionals | Students with Interest in ID | Allies

# Strategic Planning Committee



**Chair:** David Bearden



**Vice Chair:** Ronak Ghandi

**Past Chair:** Frank Tverdek

**DEI Liaison:** Kenneth Lawrence

**Board Liaison:** Susan Davis

## **Members:**

- Nick Bennett
- Bethanne Carpenter
- Elizabeth Ficek
- Elizabeth Leung
- Patrick McDanel
- Warren Rose



# Strategic Planning Committee Highlights

- Reviewed scheduled **Strategic Priorities** and created member survey to solicit Society-wide feedback (**slated for late 2022**) on strategic direction
  - **2021:** SP2 Advocacy and SP3 Education & Practice (complete)
  - **2022: SP1 Communication and SP5 Membership**
  - **2023:** SP4 Research and SP6 Society Operations (planned)
- Finalized a **new workflow** for 2023 to streamline the Strategic Plan tracking from:
  - **BOD assignment of committee charges →**
  - **Committee creation of key performance indicators →**
  - **Monthly reporting of Board Reports →**
  - **Updated visibility of dashboard tracking →**

# Nominations & Bylaws



- Lindsey Childs-Kean, Chair
- Monica Mahoney, Vice-Chair
- Wes Kufel, Past-Chair
- Susan Davis, Board Liaison
- Lee Nguyen, DEI Liaison

- Christina O'Connor
- David Ha
- Jamie Guyear
- Jeremy Tigh
- Jessica Ortwine
- Julie Ann Justo
- Regina Orbach
- JJ Lapin
- Kathryn Matthias

## HIGHLIGHTS:

- Reviewed nominees for President-Elect, Treasurer, & Board Member-At-Large
- Hosted a “So You Think You Want to Be a Leader in SIDP?” Zoom chat
- Continued DEI efforts related to nominations

# CONGRATULATIONS TO OUR NEWLY ELECTED BOD MEMBERS!



***President-Elect***  
***Sam Aitken, PharmD,  
MPH, BCIDP***



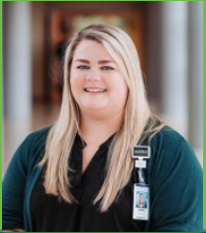
***Treasurer***  
***Kate DeSear, PharmD,  
BCIDP, AAHIVP, FIDSA***



***Board Member-at-Large***  
***Tracy Zembles, PharmD,  
BCPS-AQ ID, BCIDP***



# Annual Report



- Jamie L. Thomas, Chair
  - Rebecca Nolen, Vice-Chair
  - Amanda Binkley, Past-Chair
  - Susan Davis, Board Liaison
  - Nika Bejou, DEI Liaison
- Van (Annie) Nguyen
  - Nita Roy
  - Punit Shah
  - Kirre Hannan
  - Chengwen (Eric) Teng

## HIGHLIGHTS:

- Compiled the 2021 Annual Report for distribution to members during the Annual Meeting

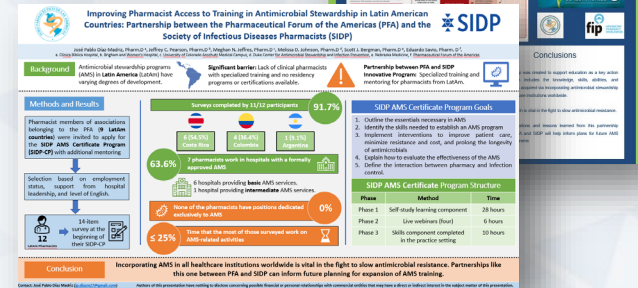
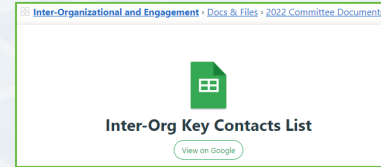
# Inter-Org & Engagement



- Jeff Pearson, Chair
  - Edina Avdic, Vice-Chair
  - Jonathan Edwards, Past-Chair
  - Susan Davis, Board Liaison
  - Margo Farber, Executive Director
- Christine Hanks
  - Chris McCoy
  - Nhi Nguyen
  - Brian Potoski
  - Margo Farber
  - Lucas Schulz
  - Sarah Alghanem
  - Tiffeny Smith
  - Jackie Cusumano
  - Megan Wimmer
  - Sharon Erdman

# Inter-Org & Engagement Committee Highlights

- Key contacts document re-formatted and hyperlinked to make more user-friendly, continuously updated by the committee
- Prospectus document fine-tuned to facilitate innovative collaboration with partner organizations
- Facilitated collaborations with dozens of organizations, including the Pharmaceutical Forum of the Americas, ASHP, ACCP, and ESCMID
- Facilitated multi-organizational collaboration for ID Pharmacists Day



Come visit poster 955 on Friday!



# Membership Committee: Members (2021-2022)

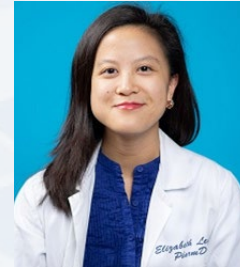
Andrew David Berti	Jena Stallsmith	Nina Cohen Orsini	Stephanie Giancola
Angela J. Kaucher	Maggie Cooper	Pamela Foral	William Truong
Christie Bertram	Marisel Segarra-Newnham	Prakash Shah	Yumi Lee
Christine Yost	Megan Shah	Rose Kohinke	
Esther Fasanmi	Molly Miller	Shawnalyn Sunagawa (t)	
Jena Foreman	Nancy Vuong	Stanley Moy	



Amy Kang  
University/Harbor-UCLA  
Medical Center  
*Chair*

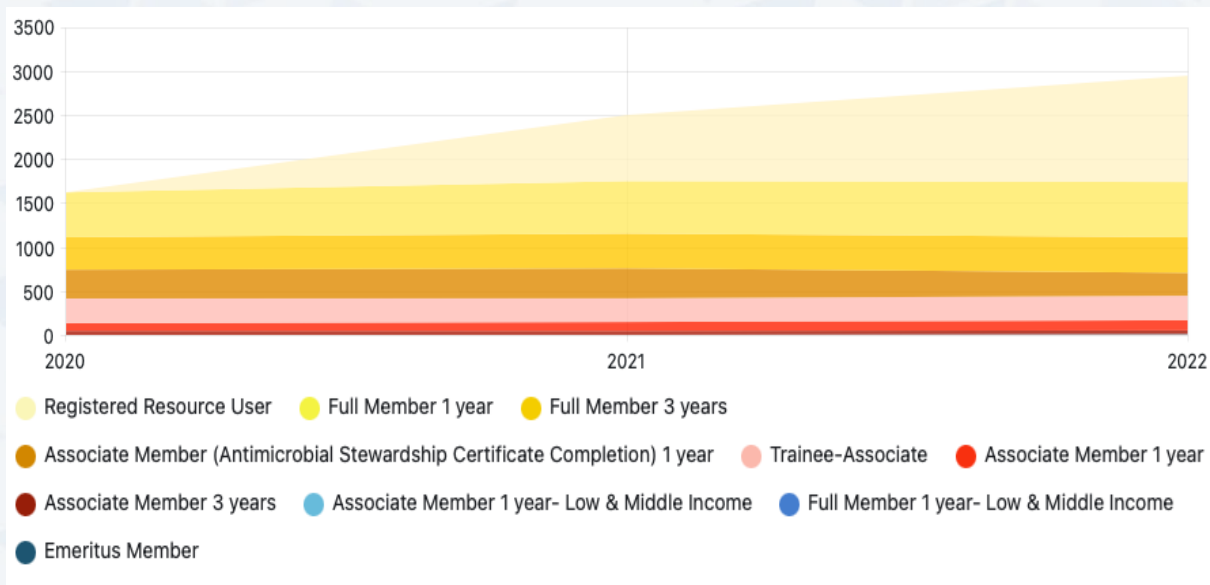


Stephanie Shealy May  
Intermountain Healthcare  
*Vice-Chair*



Elizabeth (Beth) Leung  
Unity Health Toronto/  
University of Toronto  
*Immediate Past-Chair*

# SIDP Membership Reports Jan 2020 - Sep 2022



SIDP is currently at the highest **Total current members = 1736.**

Compared to 2020, total membership has **↑ by 18%** (to-date)

- **FULL** membership is steadily growing over time. SIDP is currently highest number of “Full” members. [17.5% increase from 2020; 877 (2020), 991 (2021), and 1031 (to-date)]
- **Associate** membership numbers have also been steadily growing. [19.7% increase from 2020; 132 (2020), 146 (2021), 158 (to-date)]
- **Low-Middle Income Country** membership is slowly increasing. [0 (2020), 1 (2021), and 6 (to-date)]

# Membership: Completed Milestones from Charges

- Review of active membership applications (Nov 1, 2022 - Sept 20, 2022):
  - The committee has reviewed a total of 81 applications
  - Streamlining membership review process
- Streamlining of the membership review process
  - No letter required for post-graduate ID training, BCIDP, lapsed membership renewing at the same level
  - 1-member review for members with post-graduate ID training, BCIDP, or lapsed membership renewing at the same level
- Working with Website/DEI committee
  - Member profile questionnaire updated to include DEI perspectives
  - Membership demographics evaluation completed
- Successful drafting and dissemination of a recruitment letter for lapsed members and advertising in collaboration with SoMe committee.
- Updating new member toolkit and membership prospectus
- Lower membership fee for the LMIC members implemented. Further strategy to increase LMIC/international membership is under development.

# Recognitions



- Jessica Cottreau, Chair
  - Stephanie Harding, Vice Chair
  - Kate DeSear, Past Chair
  - Jacinda Abdul-Mutakabbir, DEI Liaison
  - Melissa Johnson, Board Liaison
  - Craig Sastic
  - Catherine Li
  - Eric Gregory
  - Vincent Tam
- Curtis Collins
  - Lauren Biehle
  - Janet Wu
  - Maressa Santarossa
  - Marc Scheetz
  - Hunter Rondeau
  - Evan Zasowski
  - Kelly Reveles

# Recognitions Highlights

- Member spotlight portal with more than 200 submissions!
- <https://sidp.org/spotlight>
- NEW Outstanding Mentor Award recognized this year
  - Dedication to the personal and professional growth of mentees
  - Guiding, inspiring, and empowering mentees with respect to their career development
  - Investment in underserved or underrepresented mentees
  - Sustained commitment to mentees over time
- Rollover criteria established to allow for an improved re-submission process

## Member Spotlight

SIDP is proud of member achievements. To self-nominate or nominate a colleague for recognition, please fill out the form below. Accomplishments may be selected for SIDP member recognition on social media, website and/or the SIDP Newsletter. Thank you for taking the time to help SIDP highlight member achievements!

### SIDP Member Recognition

<b>Name of Submitter</b>	<b>Contact information of Submitter (email or phone) *</b>
<input type="text" value="Name"/>	<input type="text" value="Email or phone"/>
<b>Are you submitting for yourself?</b>	
<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>Name of SIDP Member to recognize *</b>	<b>Contact information of SIDP Member to recognize (email or phone) *</b>
<input type="text"/>	<input type="text"/>
<b>Type of Recognition *</b>	
<input type="text" value="Choose one"/> <input type="button" value="v"/>	
<b>Social Media Handle of SIDP Member to recognize (e.g. Twitter, Facebook, Instagram) (optional)</b>	<b>Photo of SIDP Member to recognize (optional)</b>
<input type="text"/>	<input type="button" value="Upload"/> or drag files here.
<input type="checkbox"/> COVID-19 related submission	
<input type="button" value="Submit"/>	



# Programs Committee



- Chair: Lisa Dumkow
- Vice Chair: Athena Hobbs
- Past Chair: Twisha Patel
- Board Liaison: Melissa Johnson
- DEI Liaison: Veena Venugopalan

## Members:

- Jasmin Badwal
- Yvonne Burnett
- Beth Cady
- Rania El-Lababidi
- Lindsey Groff
- Lauren Hunt
- Rachel Kenney

## Members:

- Megan Klatt
  - David Kubiak
  - Linda Lam
  - Ashley Marx
  - Hardeep Rehal
  - Danya Roshdy Reynolds
  - Erin Weslander
- 
- Trainee Member: Madiha Shah
  - Trainee Member: Lisa Vuong
  - Trainee Member: Lacy Worden

# Programs Committee Highlights

- Second year working with IDWeek Planning Committee as a partner organization & first in-person partner meeting
  - Please visit our SIDP/partner booth in the exhibitor hall at IDWeek – member lounge & charging stations!
- Pre-planned ideas for IDWeek 2023 – thank you for responding to the speaker interest survey
- Huge thank you to Twisha for acting as our SIDP member liaison serving on the official IDWeek Planning Committee to promote session ideas and pharmacist/SIDP speakers!

## ID Week 2022 Pharmacist Highlights:

- Symposia speakers: 31 sessions (25% increase from 2021!)
- Moderators: 18 sessions (80% increase from 2021!)
- Oral abstracts: 20 pharmacist presenting author +/- pharmacist co-authors; 32 non-pharmacist presenters with pharmacist co-authors
- Posters: > 200 posters with 300+ pharmacist authors

Engage with our IDWeek Antibiotic Defender and post to social media!  
#ABXdefender #SIDP2022



# Fundraising Committee



Nicholas Torney



Cynthia Nguyen



Ashley Ross

- ✦ Erin McCreary – Board Liaison
- ✦ Rodrigo Burgos – DEI liaison
- ✦ Shelley Warnock – Affinity Strategies
- ✦ Brandon Dionne
- ✦ Emily Gibbons
- ✦ Jessica Sobnosky
- ✦ Katherine Mersinger
- ✦ Kelly Wright
- ✦ Lauren Freeman
- ✦ Amanda Binkley
- ✦ Meenakshi Ravindran Ramanathan





# Fundraising Highlights

Updated annual prospectus and company contacts

Collaborated with Affinity and multiple committees  
• Programs, Pubs & Pods, Social Media, Website

Executed novel fundraising strategies  
• SIDP Twitter takeover, PrEp mAb Toolkit

Sponsored Podcasts (4)

Developed ContagionLive® banner ad partnership

Newsletter Sponsorship (6)

Business Meeting Sponsors (10)  
Gold (2), Silver (3), Bronze (2)  
Reception (1)  
Exhibit Booth (9)

**TOTAL RAISED: ~\$360,000**

# Pubs & Pods



**Chair**  
Rachel  
Britt



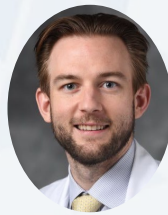
**Vice Chair**  
Jillian  
Hayes



**Past Chair**  
Zahra  
Kassamali  
Escobar









**Board  
Liaison**  
Erin  
McCreary



**DEI Liaisons:** Edoabasi McGee  
and Krutika Mediwala-Hornback

**Camera shy:** Sonal Patel

# Publication & Podcasts Highlights

 <p><b>SIDP</b> SOCIETY OF INFECTIOUS DISEASES PHARMACISTS <b>Newsletter</b></p>	 <p><b>Breakpoints</b> <i>The SIDP Podcast</i></p>	 <p>INSIGHTS FROM <b>SIDP</b> SOCIETY OF INFECTIOUS DISEASES PHARMACISTS</p>	 <p><b>Bench to Bedside</b> SIDP SOCIETY OF INFECTIOUS DISEASES PHARMACISTS</p>	 <p><b>Pharmacy Times</b> STRATEGIC ALLIANCE</p>	 <p><b>JAC- Antimicrobial Resistance</b> JAC-AMR <b>Antimicrobial Stewardship &amp; Healthcare Epidemiology</b> SHEA SHEA</p>
<p>4 Quarterly Newsletters</p>	<p>Surpassed 200K listens &amp; 64 episodes + 4 sponsored eps and collab with Febrile podcast</p>	<p>2 “On Behalf Of” published in 2 journals: ◦ ID PharmDs in ASP research - JACCP ◦ Social media and ID drug information - CID</p>	<p>Bench to Bedside with SIDP: 6 columns per year</p>	<p>Partnership with Pharmacy Times as an industry leader: 6 articles</p>	<p>New SIDP editors with JAC-AMR and ASHE</p>

PLUS new and improved Publications webpage!

# Website Committee



**Chair:** Kendall Tucker

**Vice Chair:** Zack Bulman

**Past Chair:** Ryan Crass

**Board Liaison:** Jamie Wagner

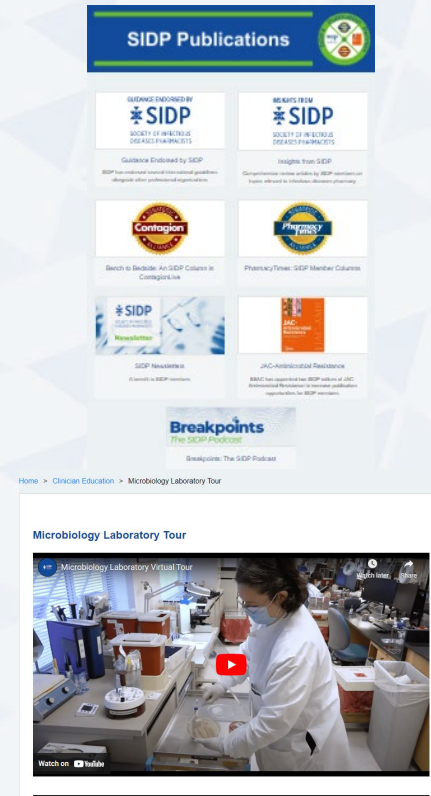
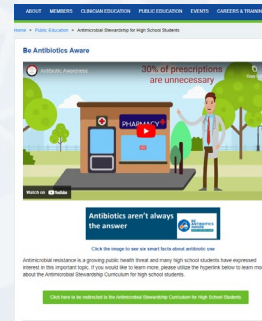


## Members:

- Dustin Carr
- Jordan Smith
- Justine Choe
- Raul Santiago

# Website Committee Highlights

- **296,568** page views from **85,102** visitors across **179** different countries between 10/01/2021 – 09/30/2022
  - **681** new registered resource users
  - **9764** SIDP resource downloads
- **Two new banner sections** for clinician and public education
- **Six new webpages** created in collaboration with other SIDP committees and Working Groups
  - **Four public-facing pages**
  - **Two toolkits**





# Social Media #SoMe



Anna

- **Anna Zhou**, Chair
- **Veronica Zafonte**, Vice-Chair
- **Kelli Cole**, Past-Chair
- **Jamie Wagner**, Board Liaison
- **DEI Liaisons**, Saira Rab and Kerrian Bennett



Veronica



Kelli

- Alireza FakhriRavari
- Amanda Barner
- Andrew Rubio
- Caitlin Bowman
- Crystal Howell
- Grace Mortrude
- Jamie Kisgen
- Jeannette Bouchard
- Julia Gonzalez
- Lee Amaya
- Liz Chandler
- Mary Hutton
- Meagan Adamsick
- Meredith Oliver
- Michael Bosco
- Rosemarie Dawn Tagare
- Stacy Lynn Harmon
- Timothy Gauthier
- Toni Campanella
- Justin Moore
- Brandon Garcia
- Ethan Rausch
- Morgan Pizzuti
- Sara Alosaimy
- Sara Groome
- Tho Pham
- Tiffany Wu
- Victoria Grant

# Social Media Committee Highlights

## 1. Increased SIDP's following on all platforms

- Twitter: 19k -> **24k**
- Instagram: 1,300 -> **1,700**
- Facebook: 1,900 -> **2,200**
- LinkedIn: 2,600 -> **4,100**



**400+ Tweets this year**

**2.5 MILLION impressions  
on Twitter this year**

2. Created the inaugural **Instagram Take Over** Event to highlight various ID pharmacists in their day-to-day activities

3. Established working process in **partnership with ACCP ID PRN** to highlight members' work during key ID meetings

4. Collaborated with **ANA and CDC as well as ASHP** to co-host two **Twitter Chats** throughout the year

# Public Outreach

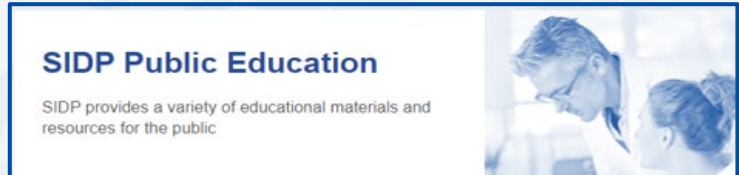


- Kelly Pillinger, Chair
- Travis Carlson, Vice-Chair
- Laura Cwengros, Past-Chair
- Jamie Wagner, Board Liaison
- Michael Parisi, DEI Liaison
- Nathan Everson, DEI Liaison
- Margo Farber, Executive Director

- Megan Bernabe
- Alison Blackman
- Jessa Brenon
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- Danielle Casaus
- Hailey Colangeli
- Lisa Costanigro
- Ashita Debnath
- Sara DiTursi
- Michelle Fang
- Oyejoke Fasoranti
- Sarah Green
- Jerline Hsin
- Ripal Jariwala
- Mary Palmer Klawon
- Kelli Kronsberg
- Amanda Lefemine
- Cecilia Li
- Alysa Martin
- Nicholas Mercurio
- Miranda Monk
- Kristy Shaeer
- Bobbi Jo Stoner
- Amber Streifel
- Natalie R Tucker

# Public Outreach Committee Highlights

- Created **educational handouts** for pharmacists/providers & added to the **Antimicrobial Stewardship Advocacy Toolkit**
- Created **educational handouts** for public & added to newly created **Public Education webpage**
- Planned & Promoted the **2<sup>nd</sup> Annual ID Pharmacists Day**
- Started a **monthly advocacy day** on SIDP's social media
- Published a **'call to action'** in **JACCP**



 SIDP  
@SIDPharm

For this month's ID Pharmacist Advocacy Day, the Public Outreach Committee would like to highlight National Immunization Awareness Month. Pharmacists – take some time today to educate a patient on the importance of timely vaccinations.  
[cdc.gov/vaccines/event...#iVax2Protect](https://cdc.gov/vaccines/event...#iVax2Protect)

**New!**

**ID Pharmacist Advocacy Day:**  
1<sup>st</sup> Thursday of each month

**National Immunization Awareness Month (NIAM) & the Role of Pharmacists**

11 January 2019, the World Health Organization identified vaccine hesitancy as one of the top 10 threats to global health. "Vaccination delay or refusal" can lead to vaccine-preventable disease outbreaks, such as the recent resurgence of measles in certain parts of the United States.<sup>1</sup>

Pharmacists play a fundamental role in vaccination efforts to improve public health and can act as patient identifiers, educators, advocates, and immunizers. They can also help to dispel common myths and misconceptions about vaccines and combat vaccine hesitancy.

Pharmacists can use tools provided by the CDC, such as the [iVax2Protect](#) Video Cards, which offers guidance for having successful vaccine conversations with patients.<sup>2</sup>

1. World Health Organization. Top threats to global health in 2019. Accessed July 22, 2022. <https://www.who.int/news-room/fact-sheets/detail/the-top-10-threats-to-global-health-in-2019>

2. Centers for Disease Control and Prevention. iVax2Protect: The role of pharmacists in addressing vaccine hesitancy and the measles outbreak. Pharmacist. Accessed July 22, 2022. <https://www.cdc.gov/vaccines/imz/downloads/pdf/16-001a.pdf>

**SIDP** SOCIETY OF INFECTIOUS DISEASES PHARMACISTS  
Public Outreach Committee

 **jaccp** Journal of the American College of Clinical Pharmacy

EDITORIAL

**A report on infectious diseases pharmacist involvement in antimicrobial stewardship research: A call to action on behalf of the Society of Infectious Diseases Pharmacists**

Nicholas J. Mercurio Pharm.D., ✉ Kelly E. Pillinger Pharm.D., Laura Cwengros Pharm.D., Sage Greenlee Pharm.D., Ripal Jarjwala Pharm.D.

First published: 10 March 2022 | <https://doi.org/10.1002/jac5.1598>

# Research Committee



**Chair:** Jessina McGregor

**Vice Chair:** Trang Trinh

**Past Chair:** Melanie Nicol

**Board Liaison:** Alan Gross



## Members:

- Cecilia Volk
- Christopher Schriever
- Elizabeth Wood Covington
- Gregory Tallman
- Jason Schafer
- Julie Dumond
- Khalid Eljaaly
- Kimberly Claeys
- Michael Veve
- Nathan Wiederhold
- Nick O'Donnell
- Russell Benefield
- Sam Aitken
- Sarah Jorgensen
- Taylor Morrisette
- Vanthida Huang
- Whitney Buckel

# Research Committee Highlights

- **Early Career Research Award (ECRA)**
  - Two new awardees

SIDP Grant Programs



- **Partnered with ACCP ID PRN in Mentorship Program**
  - 16 Mentees and 13 Mentors
  - Monthly mentor minute emails
  - Virtual networking event
  - Survey assessment

- **Met with European Society of Clinical Pharmacy leadership to brainstorm future collaborations**



# Guidelines Committee



- Chair: Kayla Stover
- Vice-Chair: Tracy Zembles
- Past-Chair: Navaneeth Narayanan
- Board Liaison: Alan Gross
- Executive Director: Margo Farber



## Members:

- Jarrett Amsden
- Kirthana Beaulac
- Mandelin Cooper
- Greg Eschenauer
- Emily Heil
- Anjly Kunapuli
- Lynn Rheinecker
- Jessica Robinson
- Eleanor Sadler
- Stephanie Shulder
- Evan Wilson
- Kristen Zeitler
- Drew Zimmer

# Guidelines Committee Highlights

- Coordinated with external stakeholders for SIDP endorsement of guidelines
  - Reviewed > 15 IDSA COVID guideline updates
  - Reviewed 5 guidelines (4 SHEA, 1 ACCP) for SIDP endorsement
    - SHEA: Stewardship During Public Health Emergencies; Diagnostic Stewardship; Strategies to Prevent VAE, VAP, NV-HAP; Preventing Infections in Acute Care Settings through Implementation Science
    - ACCP/SIDP: Prolonged Infusion Beta-Lactams Consensus Statement
- Lobbied to enhance SIDP representation on external society guidelines



# BCIDP Recertification Committee



**Chair**



**Vice-Chair**



**Past-Chair**



- Amy Carr
- Alyssa Gould
- Carrie Tan
- Chris Destache
- Daniel Chastain
- Elias Chahine
- Emir Kobic
- Jennifer Ross
- John Millard
- Julie Giddens
- Lauren McDaniel
- Madeline King
- Matthew Crotty
- Memar Ayalew
- Michael Casias
- Natasha Pettit
- Stephen Vickery
- Tracy Trang
- Xhilda Xhemali

# BCIDP Recertification Committee Highlights



>17 new CE credits + >1000 enrollments since Nov 2021



4.75 BCIDP credits offered during **MAD-ID 2022** meeting



Journal club series ↑ to bimonthly w/ subscription option



Inclusion of trainees (**ID PGY2's**) as BCIDP faculty



Submitted new 7-year **BCIDP provider proposal** to BPS

# Education Committee



**Lynne Fehrenbacher**

*Chair, Concordia University WI School of Pharmacy*



**Stefanie Stramel**

*Vice-Chair, Memorial Hermann Memorial City Med Ctr*

**Bruce M. Jones**

*Past-Chair, St. Joseph's/Candler Health System*



**BOD Liaison: Meghan Jeffres**



## Our Team:

- Arun Mattappallil
- Barbara Santevecchi
- Bryan White
- Claudine El-Beyrouy
- Clover Truong
- Emily Piehl
- Kimberly Couch
- Kimberly Welker
- Lindsey Daniels
- Marco Custodio
- Melissa Steenhoek
- Michael Klepser
- Nikki Griffith
- Paul Gubbins
- Rania Silka
- Sarah Moore
- Shauna Junco
- Valerie Buckley
- Yi Guo

# 2022 Education Committee Highlights



- “New” name! SIDPEC → Education Committee
- 6 funded grants with over **10,600** total live and enduring enrollments\*
- Several more grants in progress
- Over **5600** RPh CE hours claimed\*
- 400 **non-pharmacist** CE hours claimed \*
- Programming collaboration with SCCM, CLSI, ASHP, ACCP, CIDRAP, AHA
- Implemented an “on-call” reviewer structure to increase committee member participation in the peer review process

\*Through 9/1/2022

# 2022 Education Committee Highlights

## AHA Webinar Program

- Multidisciplinary audience across the US
- Internally executed from development and registration to program evaluations
- Speakers were able to use some of the “starter slides” from our FAST repository to allow for rapid program development

## FAST Program Subcommittee

- Developed additional starter slide decks for use by future speakers

## Speaker Development/Bureau Subcommittee

- Inaugural subcommittees formed with charges for:
  - Creation of SIDP speaker development resources
  - Annual SIDP speaker bureau updates with incorporation of member survey interests

# Stewardship



Chair:  
Greg Marks

Vice Chair:  
Maricelle  
Monteagudo-Chu

Past Chair:  
Dana Bowers

- Katie Cinnamon
- Gerald Elliot
- Molly Grasberger
- Jarrod Kile
- James Sanders
- Alexis Thumann
- Allison Cid
- Amandeep Kaur
- Andrea Pallota
- Ashlan Kunz Coyne
- Ashley Rizzo
- Ashley Wilde
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- Ben Ereshefsky
- Brad Crane
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- Davis Gillins
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- Dorothy McCoy
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- Elizabeth Neuner
- Erin Eriksson
- Erin Gentry
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- Gary Fong
- Grant Stimes
- Hanna Winders
- Jaime Borkowski
- Jason Childs
- Jennifer Ott
- Jennifer Richardson
- Jessica Foley

- Jessica Moore
- Jon Hiles
- Josh Eudy
- Karen Williams
- Kathryn Dzintars
- Kathy Tang
- Kylie Pritchard
- Laura Bio
- Laura Bobbitt
- Lendelle Raymond
- Maggie Hitchins
- Mandana Naderi
- Martin Brenneman
- Megan Petteys
- Mena Senecal
- Michelle Ting
- Michelle Zhou
- Min Zang
- Mira Maximos
- Mollie VanNatta

- Montgomery Green
- Mutafeez Mujtaba Babar
- Nikki Tran
- Nina Wang
- Noreen Chan Tompkins
- Rachel Larry
- Rupal Jaffa
- Sage Greenlee
- Sara Brown
- Scott Shipley
- Shelbye Herbin
- Sohail Azam
- Solomon Winans
- Spencer Sutton
- Tara Harpenau
- Tracy Becker
- Valerie Ravenna
- Yosef Nissim
- Yousef Lafi

# Stewardship Committee Highlights

- Continued enrollment, with increased student graduation, in Low- and Middle-Income Countries (LMIC)
- Continued provision and maintenance of high-quality stewardship training
  - Finalized plan for efficiency of Phase I/II Modules – updates ongoing
- Continued timely assessment of participant Phase 3 projects
  - 179 participants graduated the program August YTD
  - On average, the committee reviews ~20-25 projects per month
- Updated the following Phase I and II modules:
  - Staphylococcus, Streptococcus, and Enterococcus
  - Computer Support Systems and Technology in an ASP
- Additional updates to Sepsis/Invasive Candidiasis, CDI/IAI, SSTI/Bone and Joint Infection, Antimicrobial Pharmacology, and CRBSI/Infective Endocarditis modules currently in progress

Thank you to all committee  
members and other volunteers!





**Keynote Speaker:  
Ilisa Bernstein,  
PharmD, JD, FAPhA**

Interim CEO and Executive  
Vice President, American  
Pharmacists Association  
(APhA)

<https://www.pharmacist.com/About/Leadership/Staff>

# Awards and Recognitions

Scott Bergman  
President

Jessica Cottreau  
Chair, Recognitions Committee

# Current Awardee Presentation at IDWeek

Anne Gonzales-Luna, PharmD, BCIDP

Poster 380:

A molecular epidemiological exploration of reduced vancomycin susceptibility in  
*Clostridioides difficile*

Thursday October 20, 2022  
12:15-1:30 PM

# Past Research Award Presentations



*In vivo* exposure–response relationship of meropenem against  
MBL-harboured *Pseudomonas aeruginosa*: an assessment using  
MICs from conventional and zinc-limited broth

Investigators:

Abigail K. Kois, PharmD

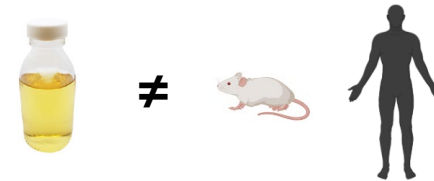
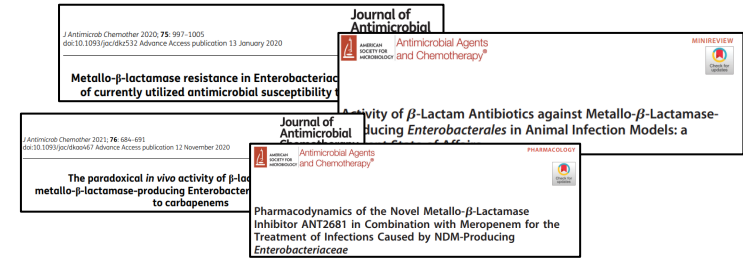
David P. Nicolau, PharmD, FCCP, FIDSA

Tomefa E. Asempa, PharmD

Authors: No relevant Conflict of Interest

# Metallo- $\beta$ -lactamase-harboring Gram-negatives

- Unexpected efficacy of  $\beta$ -lactams in animal infection models despite elevated MICs in conventional broth led to questions
- Variability in zinc and non-cationic components in MHB can affect  $\beta$ -lactam MICs against MBL-Enterobacterales
  - Free zinc in broth: 0.4 mg/L to 4.5 mg/L
  - Free zinc in man and mice: <0.1 mg/L
- Existing data focused on Enterobacterales
  - assessment with *P. aeruginosa* isolates is warranted



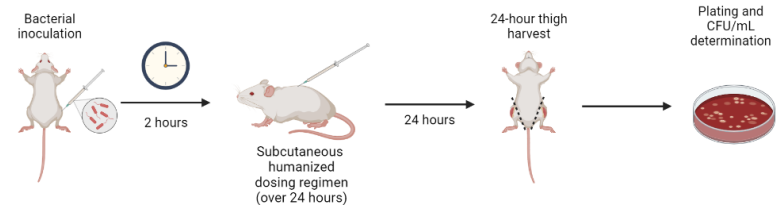
# Methods

- A total of 44 MBL-harboring *P. aeruginosa* isolates
  - IMP, n=11; VIM, n= 12; NDM, n=10; SPM, n=11

- Meropenem MICs obtained from
  - caMHB
  - caMHB treated with Chelex resin and re-supplemented with various zinc concentrations




- Neutropenic thigh infection model
  - Treated with meropenem 2g q8h dose (3hr inf)



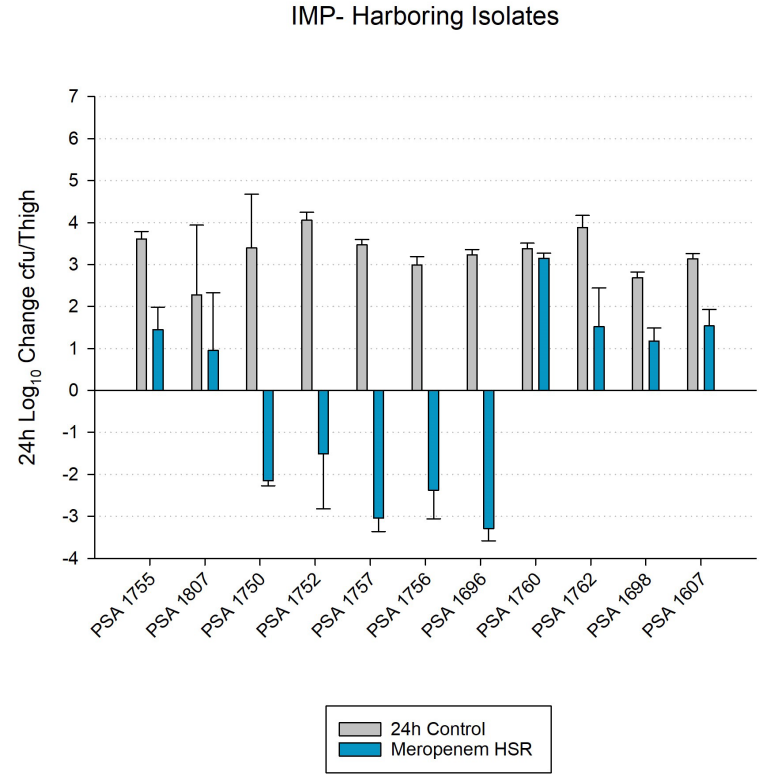
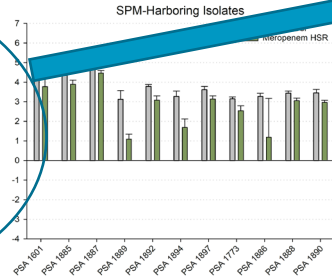
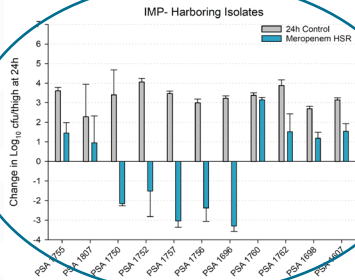
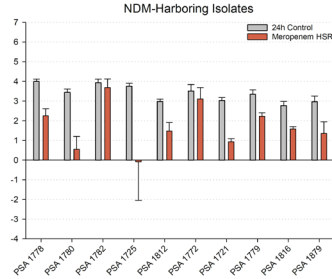
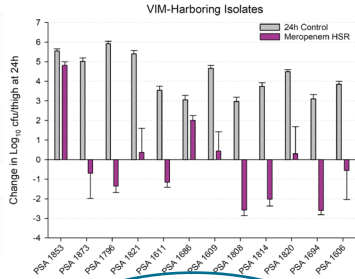
# Results – Meropenem MICs

	IMP-harboring isolates										
	PSA 1755	PSA 1807	PSA 1750	PSA 1752	PSA 1757	PSA 1756	PSA 1696	PSA 1760	PSA 1762	PSA 1698	PSA 1607
caMHB	>64	>64	>64	32	>64	64	16	>64	>64	>64	>64
Chelex-caMHB + 1.15 mg/L Zn	>64	>64	32	16	>64	32	16	>64	>64	>64	>64
Chelex-caMHB + 0.10 mg/L Zn	>64	>64	32	16	>64	32	16	>64	>64	>64	>64
Chelex-caMHB + 0.05 mg/L Zn	>64	32	8	16	32	16	8	>64	>64	64	>64
Chelex-caMHB + 0.04 mg/L Zn	64	32	2	4	4	8	4	>64	64	64	64

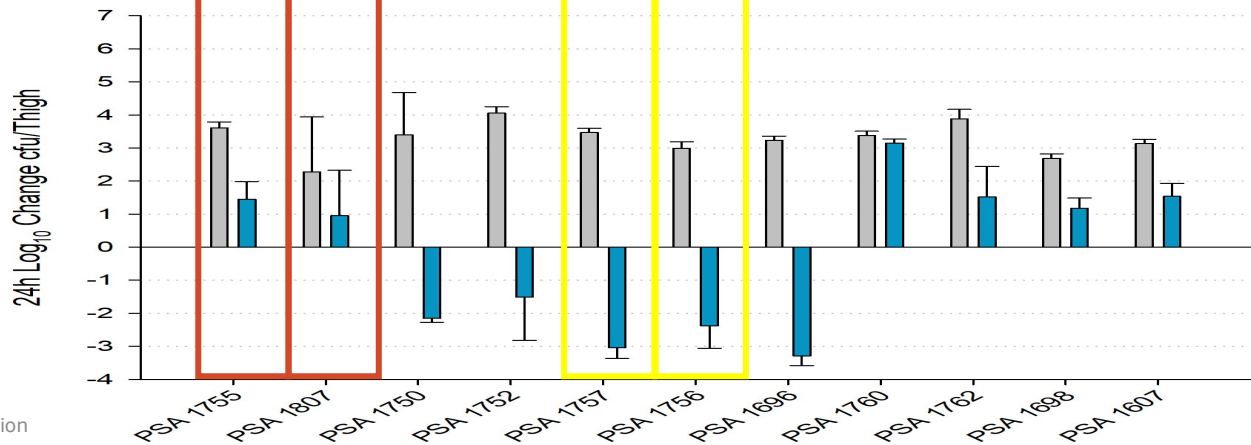




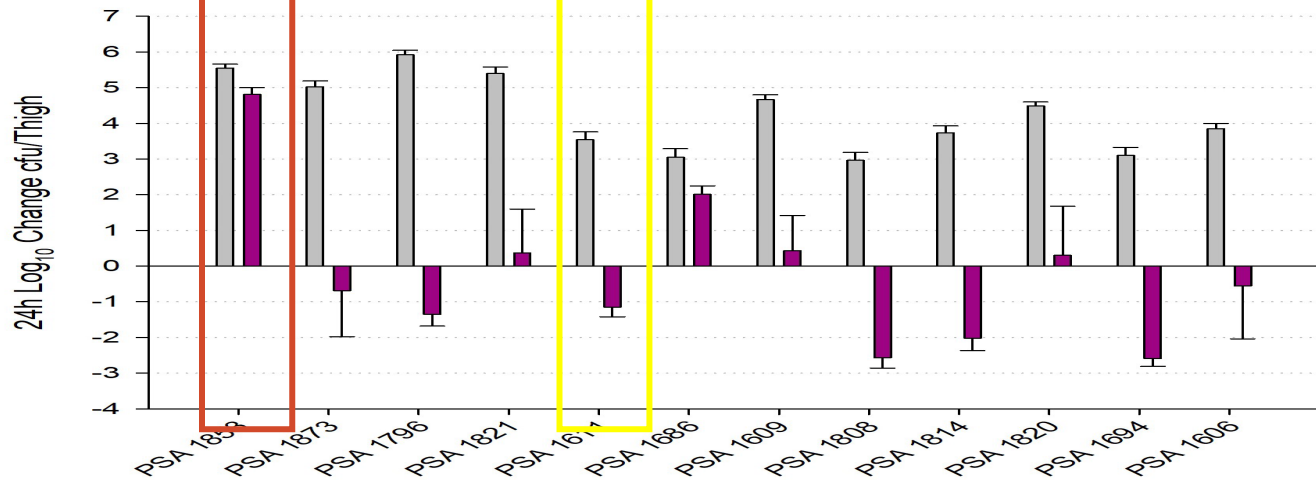
# Results – *in vivo* efficacy



	IMP-harboring isolates										
	PSA 1755	PSA 1807	PSA 1750	PSA 1752	PSA 1757	PSA 1756	PSA 1696	PSA 1760	PSA 1762	PSA 1698	PSA 1607
caMHB	>64	>64	>64	32	>64	64	16	>64	>64	>64	>64
Chelex-caMHB + 1.15 mg/L Zn	>64	>64	32	16	>64	32	16	>64	>64	>64	>64
Chelex-caMHB + 0.10 mg/L Zn	>64	>64	32	16	>64	32	16	>64	>64	>64	>64
Chelex-caMHB + 0.05 mg/L Zn	>64	32	8	16	32	16	8	>64	>64	64	>64
Chelex-caMHB + 0.04 mg/L Zn	64	32	2	4	4	8	4	>64	64	64	64

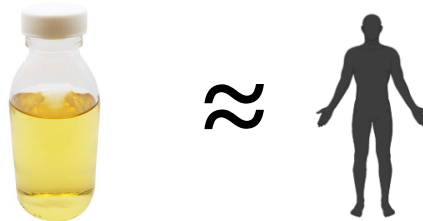


	VIM-harboring isolates											
	PSA 1853	PSA 1873	PSA 1796	PSA 1821	PSA 1611	PSA 1686	PSA 1609	PSA 1808	PSA 1814	PSA 1820	PSA 1694	PSA 1606
caMHB	>64	>64	>64	>64	64	>64	>64	16	16	>64	16	>64
Chelex-caMHB + 1.15 mg/L Zn	>64	>64	>64	>64	64	>64	>64	8	16	>64	16	>64
Chelex-caMHB + 0.10 mg/L Zn	>64	64	>64	>64	64	>64	>64	4	8	>64	8	>64
Chelex-caMHB + 0.05 mg/L Zn	>64	16	8	16	16	64	8	0.5	0.5	8	2	32
Chelex-caMHB + 0.04 mg/L Zn	>64	16	8	16	4	32	8	0.125	0.25	8	2	32



## Conclusion

- Meropenem MICs generated from conventional caMHB did not reflect meropenem *in vivo* activity
- Meropenem MICs in zinc-limited media best predicted *in vivo* efficacy
- Next steps
  - Push to develop susceptibility media that better reflects physiologic conditions



# Acknowledgment

- Funding: 2020 SIDP/ Institut Mérieux Research Award
- Thank Dr. Nicolau and the team at the Center for Anti-Infective Research & Development

## **In vivo exposure–response relationship of meropenem against metallo- $\beta$ -lactamase-harboring *Pseudomonas aeruginosa*: an assessment using MICs from conventional and zinc-limited broth**

Abigail K. Kois<sup>1</sup>, David P. Nicolau<sup>1,2</sup> and Tomefa E. Asempa<sup>1\*</sup>

<sup>1</sup>Center for Anti-Infective Research and Development, Hartford Hospital, Hartford, CT, USA; <sup>2</sup>Division of Infectious Diseases, Hartford Hospital, Hartford, CT, USA

\*Corresponding author. E-mail: Tomefa.Asempa@hhchealth.org

Received 13 December 2021; accepted 6 April 2022

**Objectives:** Previous investigations into metallo- $\beta$ -lactamase (MBL)-harbouring Enterobacteriales suggest that susceptibility testing in zinc-limited media may be more appropriate in predicting  $\beta$ -lactam in vivo activity. There are limited data with MBL-harbouring *Pseudomonas aeruginosa*.

**Methods:** Forty-three MBL-harbouring *P. aeruginosa* isolates (IMP,  $n=11$ ; VIM,  $n=12$ ; NDM,  $n=10$ ; SPM,  $n=10$ ) and two *P. aeruginosa* control isolates (KPC,  $n=1$ ; WT,  $n=1$ ) were evaluated. Meropenem activity was evaluated in the murine neutropenic thigh model using humanized exposures. Susceptibility testing was conducted in conventional CAMHB, EDTA-supplemented CAMHB (3–300 mg/L EDTA) and Chelex-treated CAMHB (0–1.0 mg/L supplemented zinc), resulting in a range of meropenem MIC values for each isolate. A sigmoidal  $E_{max}$  model was fitted to  $IT_{50-MIC}$  versus change in  $\log_{10}$  cfu/high to estimate the goodness of fit ( $R^2$ ).

**Results:** Increasing EDTA concentrations or limiting the amount of zinc in broth resulted in several-fold reductions in MIC among the majority of the MBL-harbouring *P. aeruginosa* while the MICs for the KPC and WT isolates were unchanged. Bacterial killing in vivo was variable, with the range of killing spanning  $-3.29$  to  $+4.81$   $\log_{10}$  change in cfu/high. Addition of 30 mg/L EDTA and Chelex-treated CAMHB (with no zinc supplementation) provided broth conditions for susceptibility testing that best predicted in vivo efficacy ( $R^2 > 0.7$ ).

**Conclusions:** Among MBL-harbouring *P. aeruginosa*, meropenem in vivo efficacy is best represented by the pharmacodynamic profile generated using MICs determined in EDTA-supplemented or zinc-limited broth. In addition to previous data with Enterobacteriales, antibiotic susceptibility testing in media that approximates physiological conditions makes it possible to uncover potential and existing therapeutic agents.

### Introduction

In vitro and in vivo pharmacokinetic/pharmacodynamic (PK/PD) studies continue to provide valuable data for developing and optimizing antibiotic dosing regimens.<sup>1–3</sup> Underpinning the interpretation of PK/PD data is the MIC obtained from susceptibility testing, which is typically performed in conventional growth media such as Mueller-Hinton broth (MHB).<sup>1–5</sup> However, the appropriateness of MHB as the go-to susceptibility testing medium of all antibiotics has been debated for years and required several cation adjustments to improve in vitro–in vivo correlation for bacteria such as *Pseudomonas aeruginosa* and antibiotics such as daptomycin and ceftazidime. These adjustments were necessary because several studies highlighted the limitations of MHB in appropriately mimicking in vivo conditions given the non-physiological concentrations of several broth components.<sup>6–17</sup>

We also recently reported that variability in both zinc concentrations and non-cationic components of commercially available CAMHB can impact meropenem in vitro susceptibility testing of MBL-harbouring Enterobacteriales.<sup>18</sup> Furthermore, the unexpected efficacy of  $\beta$ -lactam antibiotics such as meropenem and ceftazidime/avibactam against MBL-harbouring isolates in animal infection models led to the hypothesis that relative to the abundant and supraphysiological zinc concentrations found in conventional CAMHB, the low zinc concentrations found in vivo as a result of protein binding and nutritional immunity (cation sequestration during infection) was impairing MBL hydrolytic activity.<sup>14,15</sup>

Because prior investigations evaluating the relationship between the concentration of zinc in CAMHB and susceptibility results have all focused on MBL-harbouring Enterobacteriales, an assessment with *P. aeruginosa* isolates is warranted. Further

**Ceftolozane-Tazobactam  
Heteroresistance in Cystic Fibrosis-  
Related  
*Pseudomonas aeruginosa* Infections**

Marguerite (Maggie) Monogue, PharmD, BCIDP  
Clinical Pharmacy Specialist, Infectious Diseases  
Assistant Professor, Dept. of Internal Medicine  
Univ. of Texas Southwestern Medical Center, Dallas, Texas

 @maggiemonogue



# Co-Investigators

- James M. Sanders, PharmD, PhD
- Christine A. Pybus
- Jiwoong Kim
- Xiaowei Zhan, PhD
- Andrew E. Clark, PhD
- David E. Greenberg, MD, PhD

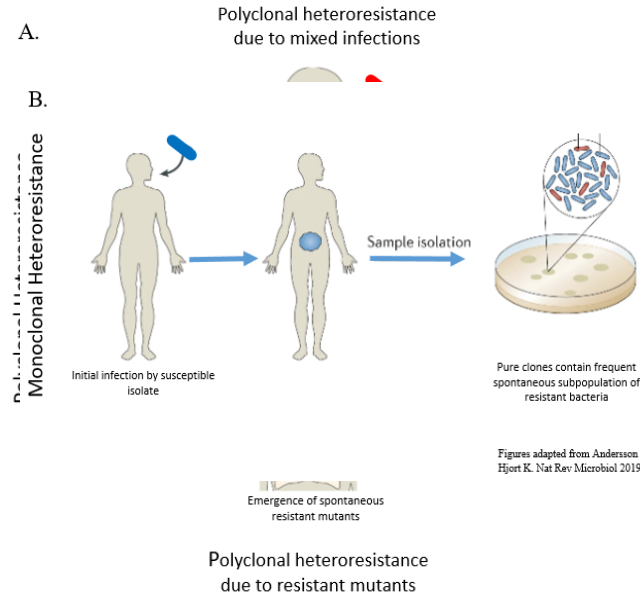
# Disclosures

- Consulting: Merck & Co., Shionogi Inc., Wolters Kluwer
- Research Support: Merck & Co., Shionogi Inc., SIDP



# Background

- CF patients are often colonized with PSA.
- PSA can develop subpopulations exhibiting variable *in vitro* AST patterns.
- Heteroresistance may underlie the reported discordant *in vitro* results and clinical responses to various antimicrobials.

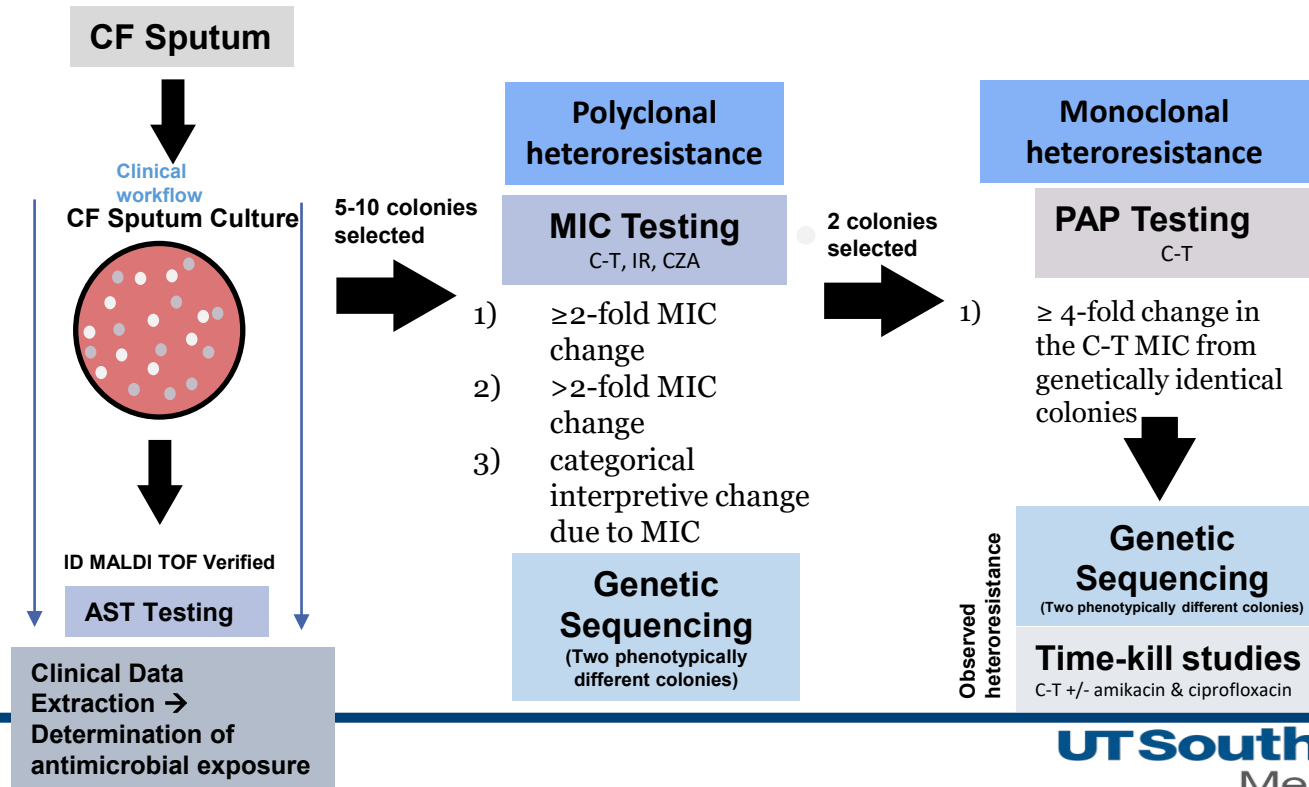


Figures adapted from Andersson DI, Nicoloff H, Hjort K. Nat Rev Microbiol 2019; 17:479-96.

# Purpose

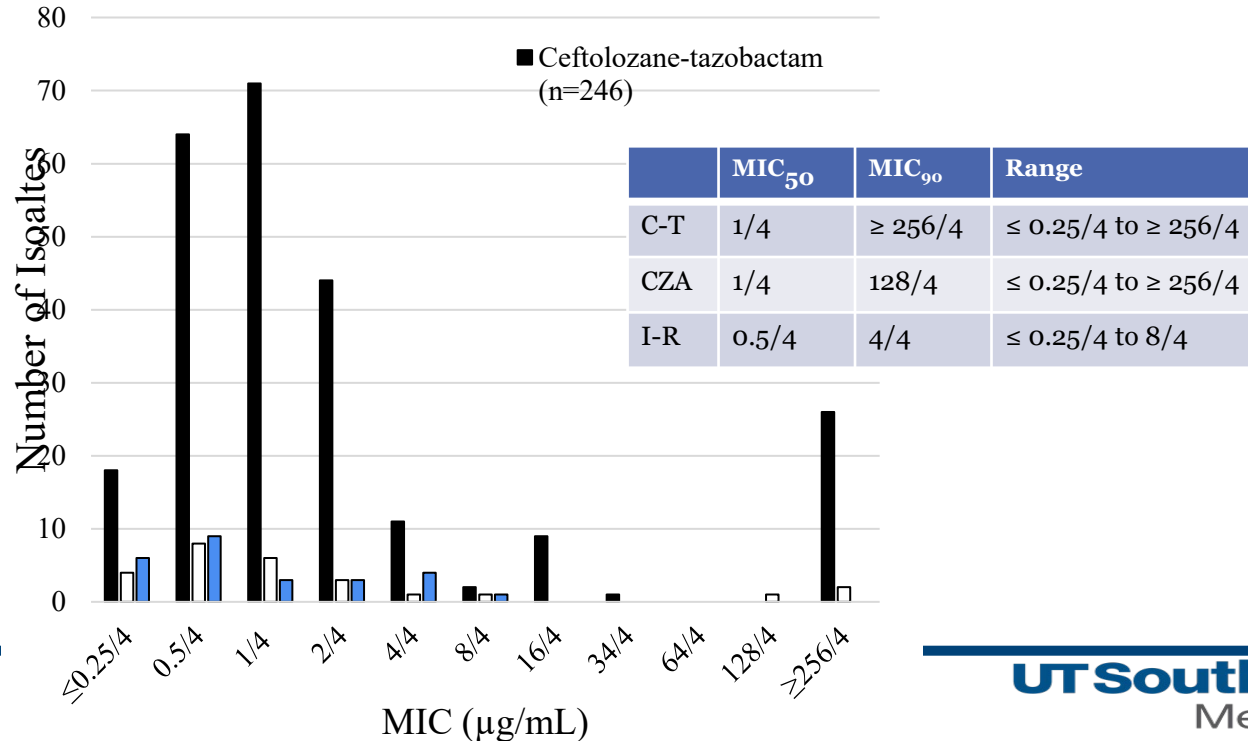
- To examine the presence of PSA heteroresistance to ceftolozane-tazobactam (C-T) in isolates originating from CF pulmonary exacerbations.

# Methods

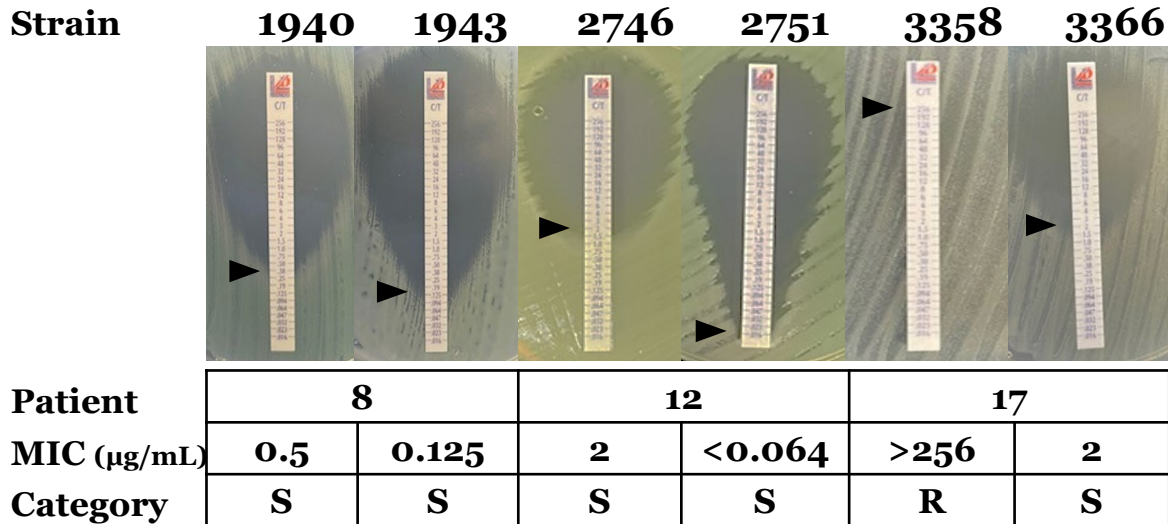


# Results: MICs

Ceftolozane-tazobactam, ceftazidime-avibactam, and imipenem-relebactam MIC distributions



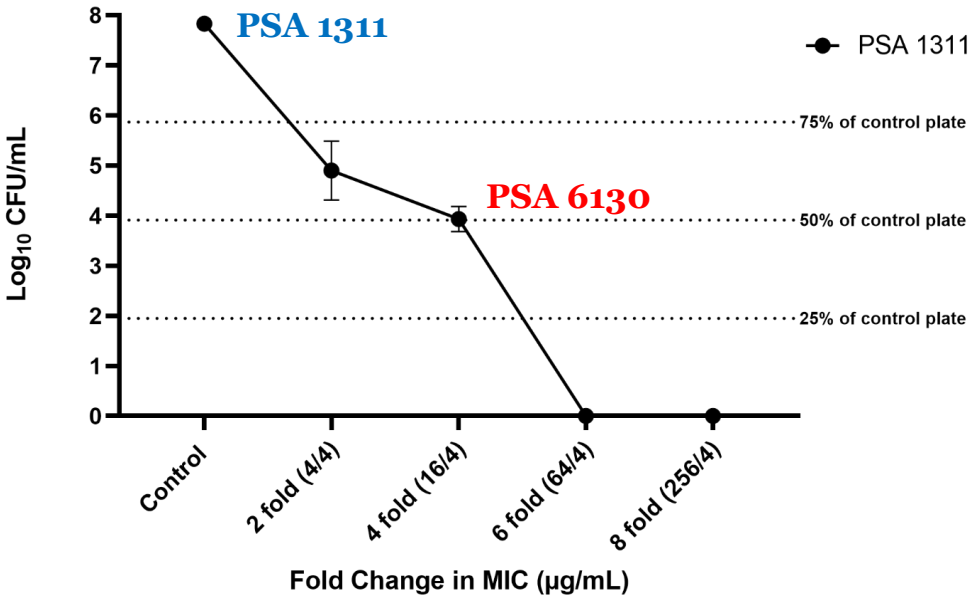
# Results: Polyclonal HR



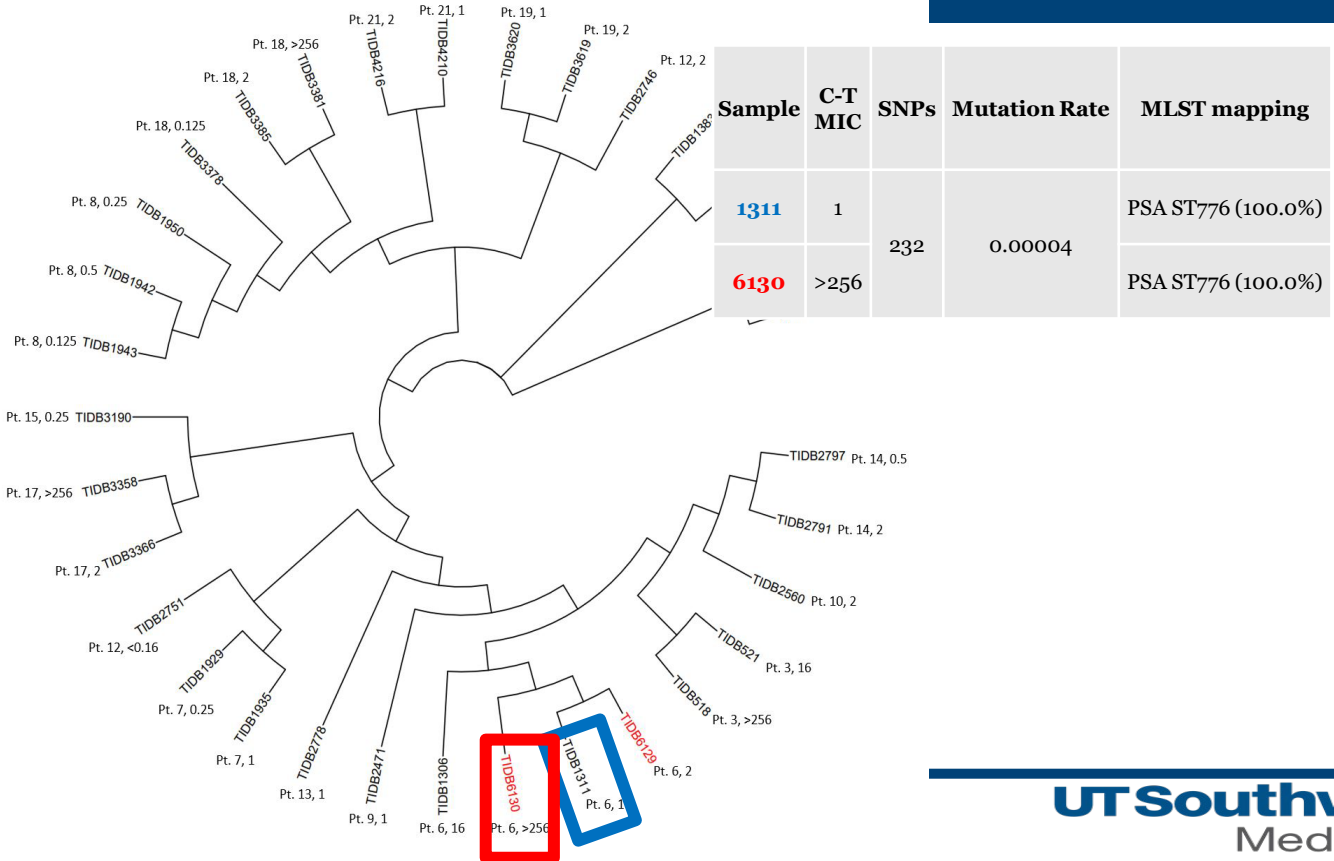
# Results: Polyclonal HR

Poly HR definitions	N (26)
$\geq 2$ fold change in C-T MIC	16 (62%)
$>2$ fold change in C-T MIC	7 (27%)
Categorical AST change due to MIC	6 (23%)

# Results: PAPs



# Results: Genetic Sequencing





# Results: Antimicrobial Exposure

- Total antimicrobial exposure (354 vs. 419 days,  $P > 0.05$ )
- C-T exposure (3.7 vs. 3.8 days,  $P > 0.05$ )
- Patient 6 (isolates 1311 & 6130) did not have any documented C-T exposure

# Summary

Susceptibilities to C-T and CZA were similar across our CF PSA isolates

C-T PHR exists among PSA populations in the CF lung

Approximately 25% of these PHR isolates resulted in susceptibility categorical changes

The frequency of MHR against PSA was lower than what has been described with colistin, carbapenems and ceftiderocol

Genomic sequencing revealed variation between isolates with acquired C-T resistance on PAPs

Total antimicrobial exposure and C-T exposure was not associated with PHR

# Future Directions

To determine  
the relevance  
of the gene  
differences in  
C-T  
susceptibility



To determine  
how HR  
impacts  
clinical  
decisions and  
outcomes



To evaluate  
the future of  
AST in CF

# Thank you

- SIDP
- James M. Sanders, PharmD, PhD
- Christine A. Pybus
- Jiwoong Kim
- Xiaowei Zhan, PhD
- Andrew E. Clark, PhD
- David E. Greenberg, MD, PhD

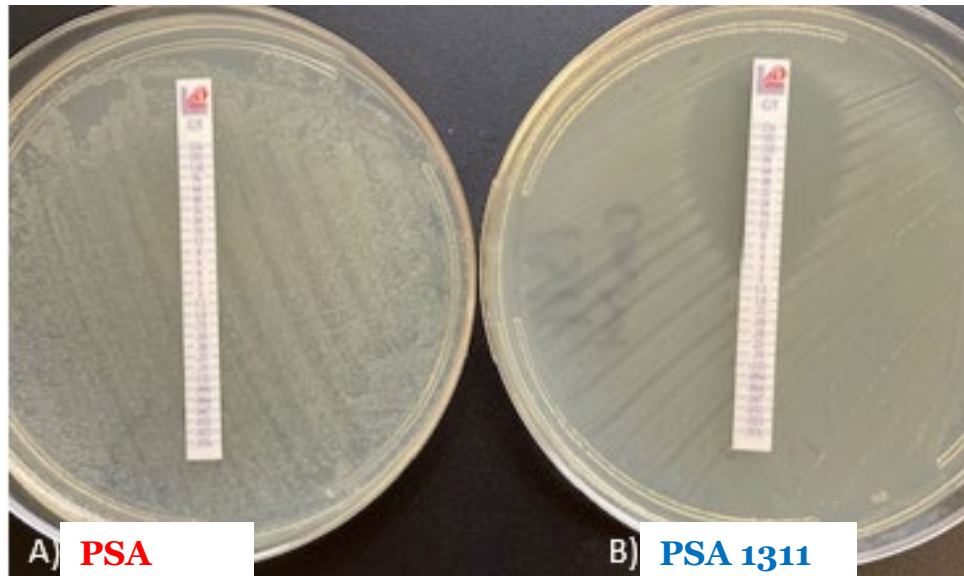
**Ceftolozane-Tazobactam  
Heteroresistance in Cystic Fibrosis-  
Related  
*Pseudomonas aeruginosa* Infections**

Marguerite (Maggie) Monogue, PharmD, BCIDP  
Clinical Pharmacy Specialist, Infectious Diseases  
Assistant Professor, Dept. of Internal Medicine  
Univ. of Texas Southwestern Medical Center, Dallas, Texas

 @maggiemonogue



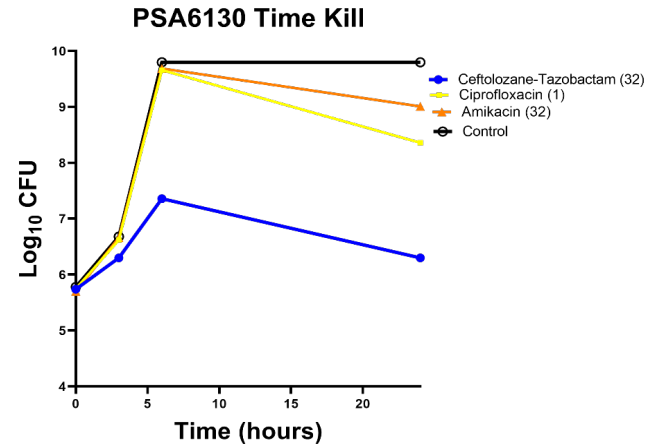
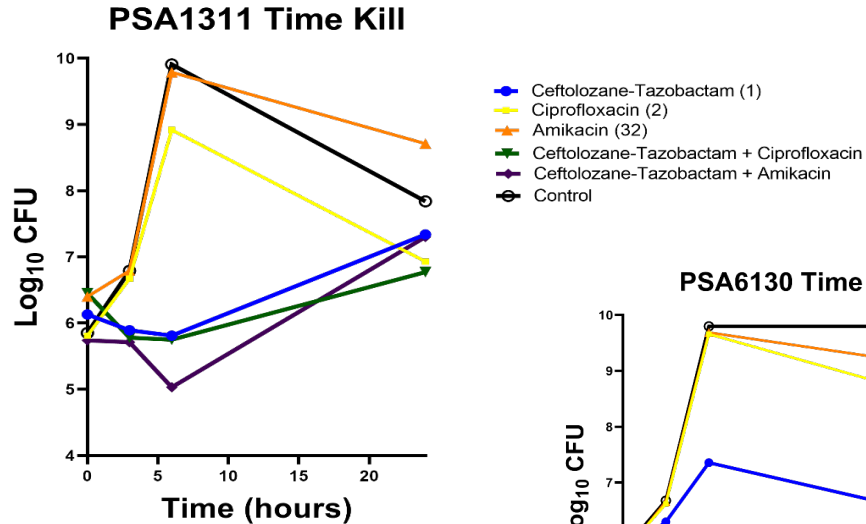
# Results: Post PAP MIC



A) **PSA**  
**6130**

B) **PSA 1311**

# Results: Time-kill studies



# Awards and Recognitions

Scott Bergman  
President

Jessica Cottreau  
Chair, Recognitions Committee



# Awards

- Infectious Diseases Pharmacotherapy Paper Award
- Early Career Investigator Recognition
- Gita Patel Best Practice Award
- Outstanding Clinician Award
- Outstanding Mentor Award
- Distinguished Service Award
- Fellows of the Society of Infectious Diseases Pharmacist (FIDP)

# Infectious Diseases Pharmacotherapy Paper Award

The purpose of this award is to recognize a significant contribution to the peer-reviewed literature in infectious diseases pharmacotherapy by an active or associate SIDP member

*Nominees are evaluated primarily based on their contribution to the paper and the impact or significance of the publication.*

# 2022 Infectious Diseases Pharmacotherapy Paper Award

Open Forum Infectious Diseases

MAJOR ARTICLE



## Clinical Outcomes With Definitive Treatment of Methicillin-Resistant *Staphylococcus aureus* Bacteremia With Retained Daptomycin and Ceftaroline Combination Therapy vs De-escalation to Monotherapy With Vancomycin, Daptomycin, or Ceftaroline

Georany N. Nichols,<sup>1,2</sup> Lynn C. Wardlow,<sup>1,2</sup> Kethi E. Cox,<sup>1,2</sup> and Muhammad Mahler E. Sobhanie<sup>1,2</sup>

<sup>1</sup>Division of Infectious Diseases, Department of Internal Medicine, The Ohio State University Wexner Medical Center, Columbus, Ohio, USA, and <sup>2</sup>Department of Pharmacy, The Ohio State University Wexner Medical Center, Columbus, Ohio, USA

**Background.** Lower mortality has been observed with combination therapy compared to monotherapy for methicillin-resistant *Staphylococcus aureus* (MRSA) bacteremia; however, there is a lack of evidence for continued combination therapy over de-escalation to monotherapy following bacteremia clearance.

**Methods.** This was a single-center, retrospective study evaluating patients with MRSA bacteremia hospitalized from November 1, 2013, through July 31, 2019. Patients who received three to ten days of combination therapy followed by de-escalation to monotherapy were directly compared to patients retained on combination therapy. The primary composite outcome included inpatient infection-related mortality, 60-day readmission, and 60-day bacteremia recurrence.

**Results.** A total of 206 patients with MRSA bacteremia were identified, with 146 patients omitted based on exclusion criteria. The study population included 66 in the combination therapy group and 74 in the monotherapy group. Study population was 51% female ( $n = 71$ ) and 78% white ( $n = 109$ ) with median age of 46 years (IQR 34.5–61). No significant difference was observed in the primary composite outcome (13% combination therapy group vs 14% monotherapy group,  $P = .66$ ), with retained observations after controlling for confounders. Within this outcome, there was no significant difference in 60-day readmission (20% combination therapy group vs 18% monotherapy group,  $P = .75$ ), bacteremia recurrence (1% combination therapy group vs 7% monotherapy group,  $P = .43$ ), or inpatient infection-related mortality (2% combination therapy group vs 5% monotherapy group,  $P = 1.00$ ).

**Conclusions.** No difference was found in the composite outcome of 60-day bacteremia recurrence, readmission, or inpatient infection-related mortality for patients with MRSA bacteremia retained on combination therapy versus those de-escalated to monotherapy.

**Keywords.** ceftaroline, daptomycin, MRSA bacteremia.

Methicillin-resistant *Staphylococcus aureus* (MRSA) bacteremia is a serious illness that can be associated with multiple foci of infection, leading to increased morbidity and mortality [1–5]. Current Infectious Diseases Society of America (IDSA) treatment guidelines for persistent MRSA bacteremia advise source control with consideration of combination antibiotic therapy without recommendation for a specific combination regimen or duration of therapy [6]. Studies have shown that combination

therapy, such as daptomycin and ceftaroline, is more effective at reducing the duration of MRSA bacteremia and mortality; however, there is a lack of evidence in favor of combination therapy over de-escalation to monotherapy for definitive treatment after blood culture clearance [7–14].

Daptomycin is Food and Drug Administration approved as monotherapy for MRSA bacteremia, but has improved efficacy when combined with a beta-lactam antibiotic due to changes in cell surface charge and increased daptomycin binding [15, 15–17]. Ceftaroline is a unique beta-lactam due to its innate activity against MRSA [13, 18, 19]. This combination therapy with ceftaroline and daptomycin is an appealing option due to both agents having efficacy individually as well as synergistic activity against MRSA [13, 19, 20]. While initial treatment with daptomycin and ceftaroline combination therapy has been shown to improve the rate of bacteremia clearance, there are limited clinical data surrounding the ideal duration of combination therapy for persistent MRSA bacteremia and whether



Nichols CN, Wardlow LC, Coe KE, Sobhanie MME. Clinical Outcomes with Definitive Treatment of Methicillin-Resistant *Staphylococcus aureus* Bacteremia with Retained Daptomycin and Ceftaroline Combination Therapy vs De-escalation to Monotherapy with Vancomycin, Daptomycin, or Ceftaroline. Open For Infect Dis. 2021;8(7):ofab327

Dr. Lynn Wardlow

# Early Career Investigator Recognition

The purpose of this award is to:

- Recognize past research accomplishments
- Reward young investigators who show research promise in the broad area of infectious diseases

*Preference is given to independent research work conducted after completion of terminal education and training. Nominees are evaluated on research funding, publication record, leadership, teaching and honors or awards received for their research.*

# 2022 Early Career Investigator Recognition



Dr. Kimberly Claeys

# Gita Patel Best Practice Award

This purpose of this award:

- Recognize an SIDP member who has implemented and documented the impact of an innovative or collaborative “best practice” initiative to improve care in patients with infectious diseases

*Preference is given to pharmacists providing patient care in the community setting and to those that do not receive salary support dedicated to research.*

# 2022 Gita Patel Best Practice Award



Dr. Keenan Ryan

# Outstanding Clinician Award

The purpose of this award is to recognize a pharmacist with exemplary skills as a practitioner and a demonstrated expertise in infectious diseases pharmacy practice

*Areas of contribution to infectious diseases pharmacotherapy may include, but are not limited to, development of innovative services, documentation of benefits, and methods of promoting the safe, effective, and rational use of anti-infective agents.*



# 2022 Outstanding Clinician Award



Dr. Monica Mahoney

# Outstanding Mentor Award

The purpose of this award is to recognize a pharmacist who has made significant and sustained contributions to the professional development of trainees or colleagues

*Nominees were evaluated on their dedication to personal and professional growth of trainees; guidance in career development; demonstration of a commitment to increasing diversity, equity and inclusion; and sustained commitment to mentees over time*

# 2022 Outstanding Mentor Award



Dr. Annie Wong-Beringer

# Distinguished Service Award

The purpose of this award is to recognize outstanding and sustained service to SIDP.

*This award is only given when a particularly noteworthy candidate has been identified as providing outstanding contributions to the Society or ensuring advancement of its goals that far exceed the usual devotion of time, energy, or material goods. It is only awarded when there is a truly outstanding candidate nominated.*

# 2022 Distinguished Service Award



Dr. Kristi Kuper

# Fellowship in SIDP (FIDP)

- This distinction recognizes outstanding SIDP members with significant and sustained contributions to infectious diseases and the mission of SIDP
  - Successful applicants demonstrate excellence in the following areas:
    - Contributions to SIDP (*\*Required Category*)
- AND** at least 2 of the following categories:
- Practice
  - Education
  - Scholarship
- Detailed application and supporting documentation evaluated using an objective scoring rubric
    - Specific minimum scores set for each category

# Fellowship in SIDP (FIDP)



Dr. Jason Pogue

# Fellowship in SIDP (FIDP)



Dr. Monica Mahoney





# Outgoing Board Members

## Member-at-Large 2020 - 2022

- Meghan Jeffres, PharmD, BCIDP
- University of Colorado Anschutz Medical Campus





## **Treasurer 2020 - 2022**

- Erin K. McCreary, PharmD, BCPS, BCIDP
- University of Pittsburgh Medical Center



## President 2019 - 2022

- Susan L. Davis, PharmD, FIDP
- Wayne State University Eugene Applebaum College of Pharmacy



# SIDP Board of Directors: Welcome New Officers



Samuel Aitken  
President-Elect



Kate DeSear  
Treasurer



Tracy Zembles  
Member At Large



Melissa Johnson  
President



Jamie Wagner  
Secretary



Alan Gross  
Member At Large



Scott Bergman  
Past President

# Incoming SIDP President 2022 - 2023



Melissa Johnson, PharmD, MHS, AAHIVP  
Duke University Medical Center

*“This is Our Moment”*



Thank you!!