



# Biopharmaceutical Section Student Webinar

May, 2026

Past Chair: Erik Bloomquist

**Chair: Steven Novick**

Chair-elect: Judy Li



# One of the largest ASA sections

<https://community.amstat.org/biop/home>

The screenshot shows the homepage of the ASA Biopharmaceutical Section. The header is dark blue with the ASA logo and the text "ASA Biopharmaceutical Section". Below the header is a navigation menu with items: Home, About Us, Working Groups, Workshops, Media Contents, Biopharmaceutical Report, External Funding, and Awards. A search bar is located on the right side of the navigation menu. The main content area has a white background and features the heading "Overview". Below the heading is a paragraph: "The Biopharmaceutical Section (BIOP) is a special interest section for the application of statistics to the development and use of therapeutic drugs and devices in humans and animals." This is followed by another paragraph: "The primary interests of the Section are" and a bulleted list of five items: "the biochemical and physical sciences involved with drug, biologics, and device discovery, formulations, product development, and quality control"; "the biological sciences involved in evaluating drug and device safety and efficacy of therapeutic drugs, biologics, and devices"; "experimental human and veterinary medicine in support of therapeutic drugs, biologics, and devices"; "health promotion and disease prevention and intervention activities; and"; and "product toxicity and disease surveillance." At the bottom of the main content area is a dark blue button with the text "Follow us on LinkedIn!".



Click me



# BIOP technical offerings

## Three conferences

- Regulatory-industry statistics workshop (RISW): Sept/Oct
- Nonclinical Biostatistics Conference (NCB): June (even years)
- StatBolic: Feb

## Scientific Working groups

- > 20 groups: goal to research and publish, educate
- Clinical, preclinical, manufacturing, Bayesian, AI/ML, randomization, software

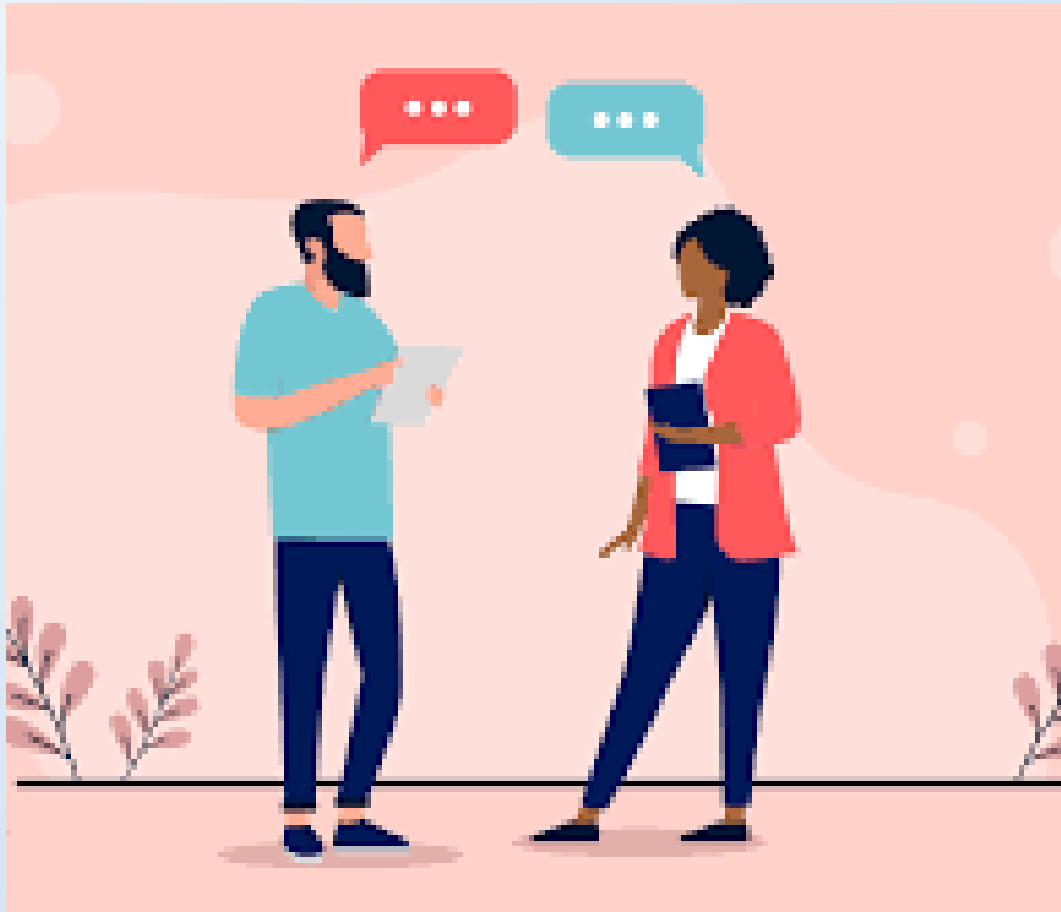
## Awards

- JSM: Student paper
- JSM, NCB: Contributed poster
- NCB: Best nonclinical paper





# BIOP non-technical committees



- Mentoring
- Leadership in Practice Committee (LiPCom)
- Nonclinical – student outreach committee
- Memberlink



# BIOP: Both technical and non-technical

- Publications – Biopharmaceutical Report
- Distance learning (webinars)
- Podcasts
- Social media





# Consumers → Contributors

- Students may start as Consumers of BIOP offerings
  - Attend conferences, webinars
  - LiPCom, mentoring
  - Learn about trends on social media
  
- As you grow in your career, start giving back





ASA BIOP DISTANCE LEARNING WEBINAR SERIES

# Exploring Biopharma Careers and Community with ASA BIOP

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[community.amstat.org/biop](https://community.amstat.org/biop)



Founded 1981  
(Subsection since 1968)



One of the largest  
ASA sections  
1000+ members across Industry,  
Academia & Government



Statistics in  
Drug Development



20+ Active Scientific Working  
Groups  
3 Annual Workshops &  
Conferences

## What is the ASA Biopharmaceutical Section?

BIOP is a special interest section of the American Statistical Association focused on the application of statistics to the development and use of therapeutic drugs, biologics, and devices in humans and animals.

### Drug & Biologics Discovery

*Formulations, product development & quality control*

### Safety & Efficacy Evaluation

*Biological sciences supporting therapeutic evaluation*

### Clinical & Veterinary Medicine

*Experimental medicine for drugs & devices*

### Disease Surveillance

*Toxicity monitoring & health intervention activities*

*Bridging regulatory science, industry, and academia to advance  
statistical methods in biopharma*

# BIOP Sub-Committees



## Membership Committee

Grows and engages the BIOP community; connects new members with resources and opportunities.



## Fellows Committee

Supports ASA Fellow nominations for BIOP members; guides the application & review process.



## Mentoring Program Committee

Pairs students & early-career statisticians with experienced industry mentors.



## Leadership-in-Practice (LiPCom)

Develops leadership skills for members through workshops and practical experiences.



## Statisticians in Small Biotech

Supports statisticians working in smaller biopharma/biotech organizations.



## SWG Proposal Committee

Reviews member proposals and establishes new Scientific Working Groups.

# Scientific Working Groups (SWGs)

BIOP members can join 20+ cross-industry working groups tackling cutting-edge statistical challenges:

 AI / Machine Learning


 Cell & Gene Therapy


 Estimands in Oncology

 Pediatric Drug Development

 Safety Statistics

 Bayesian Methods

 Clinical Precision Medicine

 Nonclinical Biostatistics

 Real World Evidence

 Software Engineering

*...and many more! See [community.amstat.org/biop/workinggroups](https://community.amstat.org/biop/workinggroups)*

# Flagship event: Regulatory-Industry Statistics Workshop (RISW)



THE ASA BIOPHARMACEUTICAL SECTION  
**REGULATORY-INDUSTRY  
STATISTICS WORKSHOP**

September 16–18, 2026 • Rockville, MD

*Impactful Transdisciplinary Decision-Making in the Evolving Digital Era*



Annual 3-day conference  
in the DC area



Co-sponsored by ASA BIOP  
in cooperation with the US  
FDA Statistical Association.



Features invited sessions  
co-chaired by statisticians  
from industry, academia,  
and the FDA.



Short courses are offered  
first day of workshop.  
Roundtables allow for  
informal discussions.



Early registration opens on  
June 10, with student  
travel grant deadline on  
July 7

For more info, check out: <https://ww2.amstat.org/meetings/risw/2026/>

# Membership Benefits



## Webinars & Distance Learning

Free access to webinar series covering the latest methods, careers, and biopharma topics.



## Workshops & Conferences

Discounted registration to RISW, the Nonclinical Biostatistics Conference, and STATBOLIC.



## Scientific Working Groups

Join expert groups researching specialized statistical topics — network and publish together.



## Mentoring Program

Access a structured mentoring program connecting you with experienced statisticians.



## BIOP Report & Podcasts

Stay current with the section newsletter, podcasts, and cutting-edge research highlights.



## ASA Fellow Support

Guidance and support for nominations to the prestigious ASA Fellow recognition.



# Benefits for Students & Early-Career Statisticians



## **\$3,000 Scholarship Award**

Up to 5 students annually receive the BIOP Scholarship Award for academic achievement and applied project work in biopharma statistics. ASA membership required.



## **Student Paper Competition**

Compete for recognition at JSM with original statistical research in the biopharmaceutical space.



## **Mentoring Program**

Receive one-on-one guidance from experienced industry statisticians navigating real-world careers.



## **Conference Travel Award**

BIOP sponsors WSDS and RISW Conference Travel Awards to support student attendance at key professional events.



## **Networking & Community**

Connect with statisticians from pharma, biotech, CROs, academia, and regulatory agencies (FDA, EMA).



## **Conference Volunteer Opportunities**

Opportunities to volunteer at JSM and RISW. Receive valuable networking opportunities, hands-on experience, and a chance to enhance professional skills.

# Student Volunteer Opportunities at RISW 2026



Opportunities available for students to volunteer at RISW – registration fee is waived in exchange!



Volunteers can help at registration desk, short course check in, and roundtables!



If interested, sign up at <https://tinyurl.com/e55e5mke>



First-come-first-serve, BIOP members prioritized



**LiPCom**

Leadership-in-Practice Committee

Lead • Impact • Transform

# LIPCOM UNVEILED

An Introduction to BIOP  
Leadership-in-Practice  
Committee



*“Lead, Impact, Transform –  
Advancing Statistical Leadership in  
Practice.”*

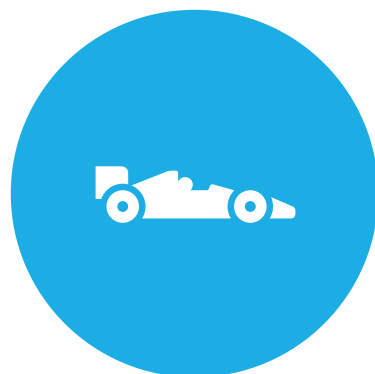
*Since its inception in 2019, BIOP’s Leadership-in-Practice  
Committee (LiPCom) has been dedicated to promoting and  
enabling leadership development among statisticians,  
statistical programmers, and data scientists.*

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# OUR PURPOSE



**TO BRIDGE:**  
BIOP LEADERSHIP PROGRAM &  
OTHER ASA LEADERSHIP INITIATIVES



**TO DRIVE:**  
PRACTICAL & INTERACTIVE  
LEADERSHIP TRAINING PROGRAMS



**TO COLLABORATE:**  
ACROSS BIOP COMMITTEES IN  
INFLUENCING & FACILITATION

# MEET LIPCOM MEMBERS



Veronica Bubb,  
Elevance Business  
Coaching (past Chair  
2023)



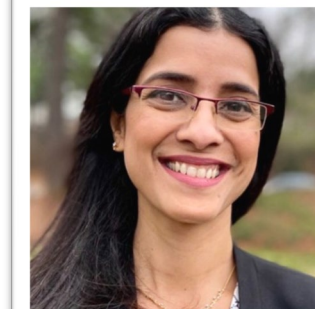
Andy Chi,  
Takeda  
(Chair Elect 2027)



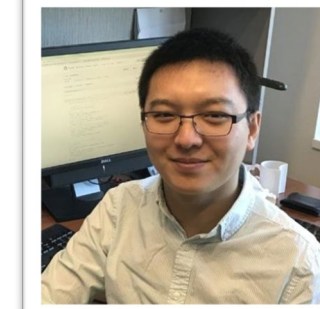
Abie Eakangaki,  
AE Statistical Consulting  
(Past Chair 2019-20)



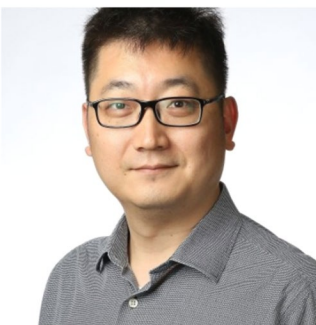
Lisa Lupinacci,  
Merck  
(Past Chair 2021)



Rakhi Kilaru,  
PPD  
(Past Chair 2022)



Qing Li,  
Novartis



Yabing Mai,  
AbbVie  
(Chair)



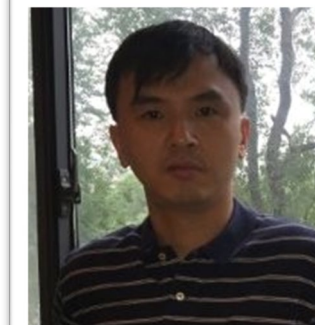
Claude Petit,  
Eli Lilly  
(Past Chair 2024)



Shanthi Sethuraman,  
Eli Lilly



Vincent Tan,  
Vertex



Hongwei Wang,  
AbbVie



Richard Zink,  
JMP  
(Past Chair 2025)

# PAST LIPCOM ACTIVITIES

Year	Conference	Type	Session Name	Participants
2025	SIP	PA	Panel on How to Join/Explore Pharma	Claude Petit
	JSM	SC	Quick-thinking, Confident, Communicative, and Collaborative: Fundamentals of Applied Improvisation for (Bio)Statisticians and Data Scientists	Richard Zink
	LiPCom	W	It is Never too Early to Think About Statistical Leadership	Richard Zink
	DISS	SC	Quick-thinking, Confident, Communicative, and Collaborative: Fundamentals of Applied Improvisation for (Bio)Statisticians and Data Scientists	Richard Zink
2024	NIC/ICSA	S	Are You a Statistical Leader?	Claude Petit, Yabing Mai, Jennifer Sugg, Hongwei Wang
	RISW	PS	Statistical Leadership in the AI/ML Space	Simon Davies, Abie Ekangaki, Haoda Fu, Meng Hu, Claude Petit
	BIOP	W	It is Never too Early to Think About Statistical Leadership	Richard Zink
	SIP	PA	Panel on How to Join/Explore Pharma	Qiqi Deng, Dacheng Liu, Steve Gilbert, Tony Jiang, Claude Petit, Lei Wang, Thomas Zhou
	JSM	RT	Statistical Leadership in the AI/ML Space	Abie Ekangaki
	LiPCom	WS2	Workshop in Applied Improvisation in Leadership and Communication (Raleigh, NC)	Jill Eickmann, Rakhi Kilaru, Richard Zink
2023	LiPCom	W	Leading Oneself, Leading Others, Leading an Organization	Shanthi Sethuraman
	NIC/ICSA	PL	Will AI Change the Future of Biostatisticians?	Claude Petit
	BPSS	PO	Introducing LiPCom	Andy Chi, Vincent Tan
	JSM	SC	Communication for Impact	Shanthi Sethuraman
2022	ENAR	PA	Foundational Leadership Skill Development for Early Career Professionals	Veronika Bubba, Yu Du, Kelly Huang, Claude Petit, Kentaro Takeda, Liwen Wu
	JSM	SC	An Outstanding Supervisor: Leading for Motivation, Innovation, and Retention	Shanthi Sethuraman

IS: Invited Session, PA: Panel, PL: Plenary, PO: Poster, PS: Parallel Session, RT: Roundtable, S: Session, SC: Short Course, TH: Town Hall, W: Webinar, WSX: X-hour Workshop.

BPSS: Boston Pharmaceutical Statistics Symposium, DISS: Duke-Industry Statistics Workshop, ENAR: Eastern North American Region of International Biometric Society, JSM: Joint Statistical Meetings, NIC: Northeastern Illinois Chapter, RISW: Regulatory-Industry Statistics Workshop, SIP: Statistics in Pharmaceuticals.

# JOIN UPCOMING LIPCOM EVENTS



## The Human Side of Statistical Leadership (JSM 2026 Panel Discussion)

- Lucy D'Agostino McGowan, Emily Griffith, Yabing Mai, Brian Millen, Claude Petit, Julia Sharp, Richard Zink

## From Data to Decision with LLMs: AI-Powered Statistical Leadership & Collaboration (JSM 2026 Short Course)

- Qing Li

## Quick-thinking, Confident, Communicative, and Collaborative: Fundamentals of Applied Improvisation for (Bio)Statisticians and Data Scientists (JSM 2026 Short Course)

- Richard Zink

Other virtual and/or in-person activities sponsored or co-sponsored by LipCom throughout the year

# CONNECT WITH LIPCOM

LiPCom Web Page Link:

[Leadership-in-Practice Committee \(LiPCom\) -  
Biopharmaceutical Section](https://community.amstat.org/biop/aboutus/sub-committees/lipcom)

(<https://community.amstat.org/biop/aboutus/sub-committees/lipcom>)

LipCom LinkedIn Group:

(coming soon)

LipCom Contact:

- Yabing Mai [yabing.mai@abbvie.com](mailto:yabing.mai@abbvie.com);
- Qing Li [Qing-5.li@novartis.com](mailto:Qing-5.li@novartis.com)



# ASA BIOP Student Outreach Webinar

Gregory Steeno 

Senior Director, Non-Clinical Statistics



5/28/2026

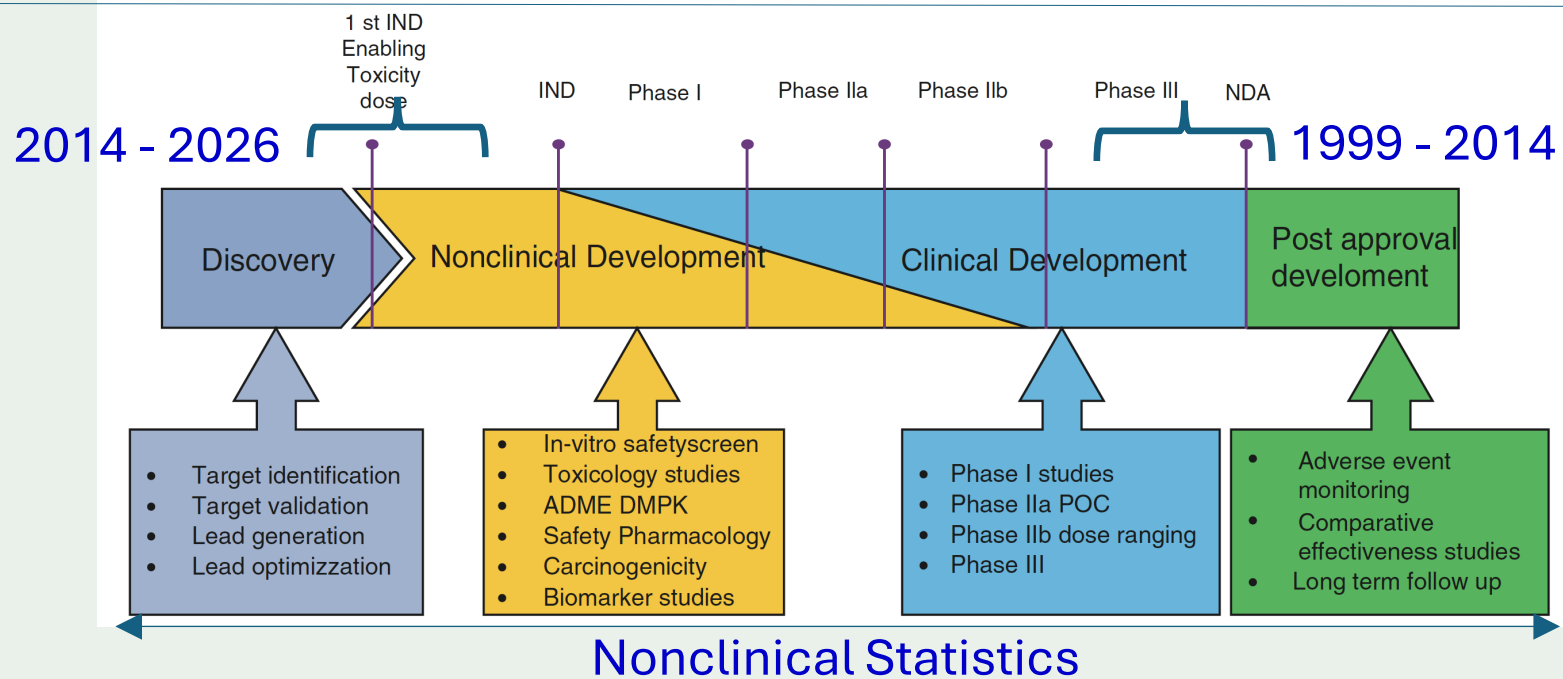
# Greg's Story



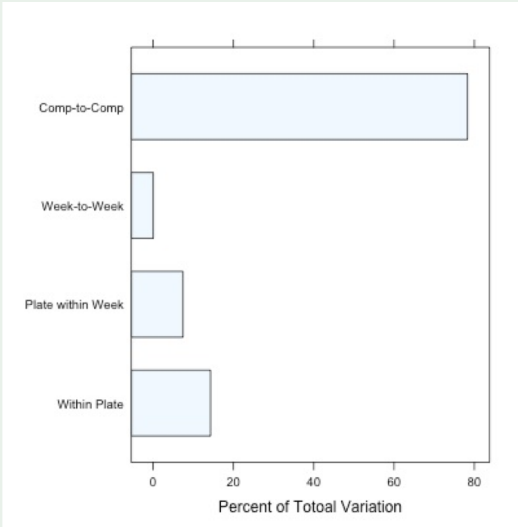
Virginia Tech: PhD 1999



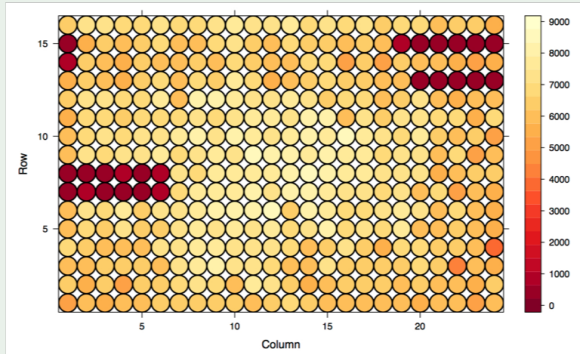
Pfizer: 1999 - Today



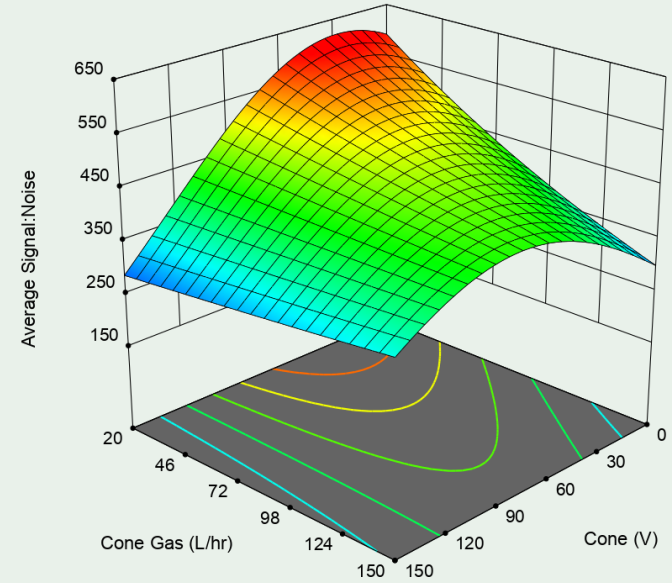
# Connection to R&D



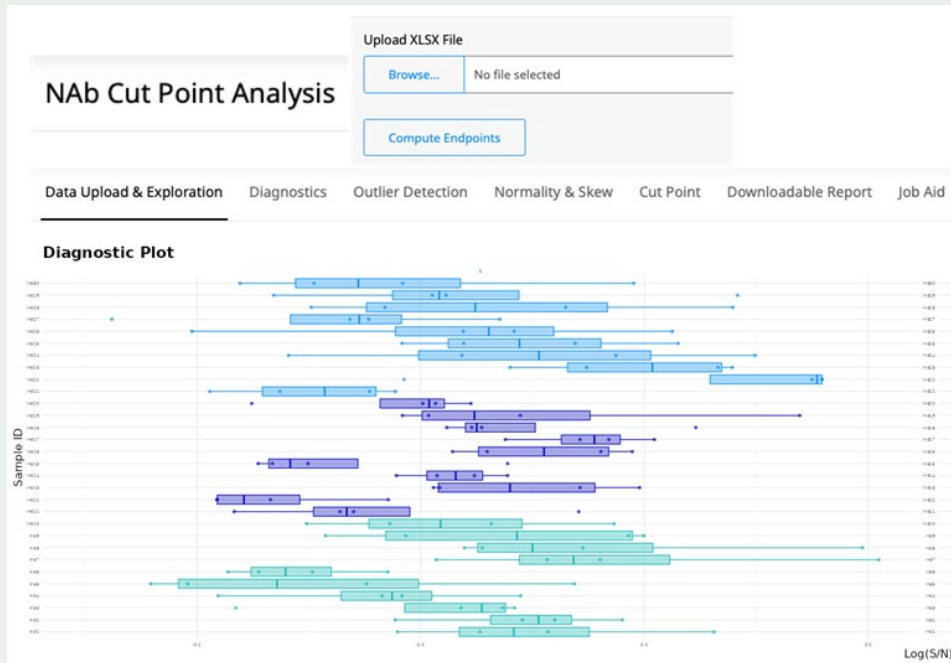
# Assay Characterization



# Process Optimization



# Stat Apps



# Education



# Why I Love My Job



More science  $\Rightarrow$  wider variety of collaborators

&

challenges

More problem-solving  $\Rightarrow$  less project-level

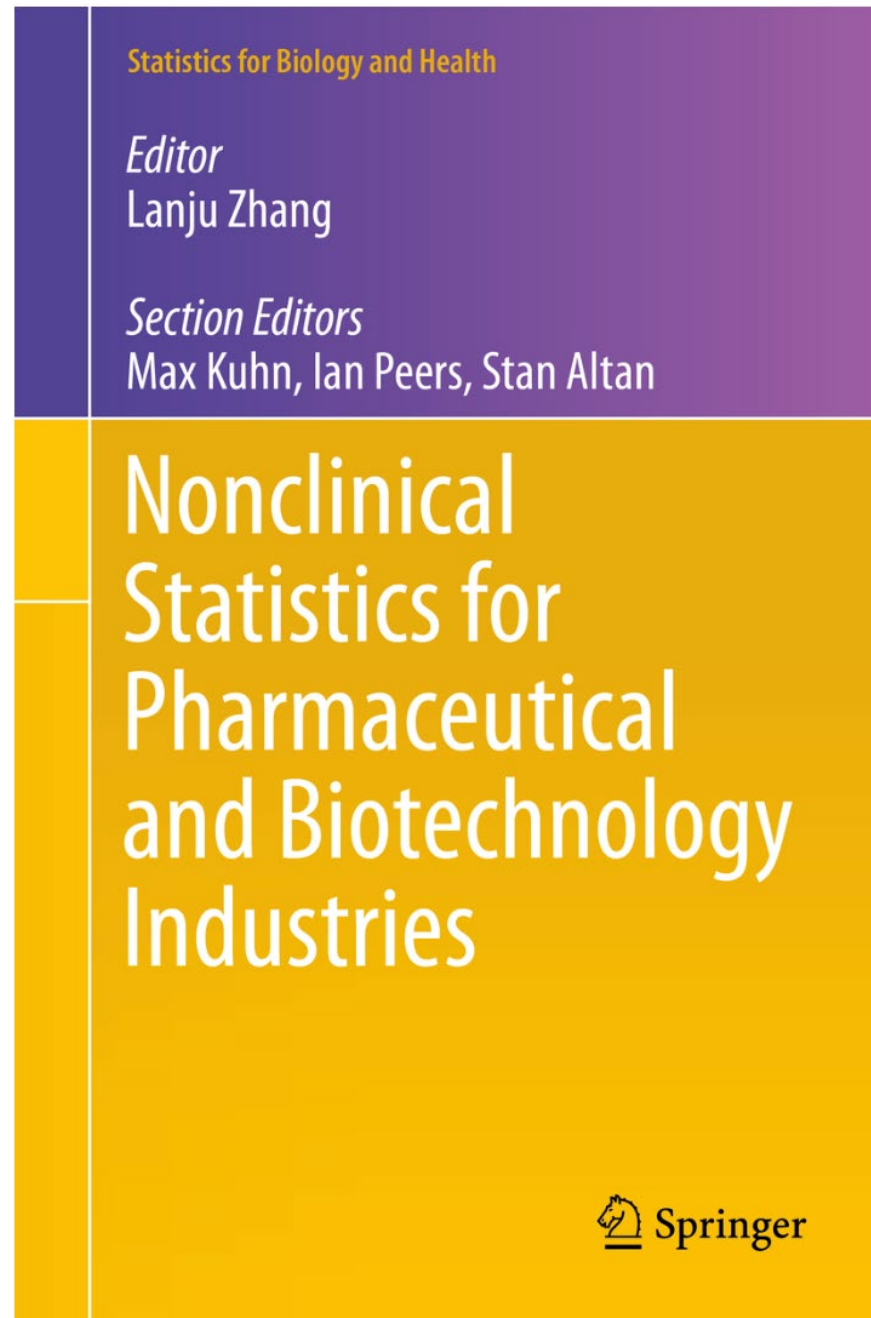
decision-making

Not as regulated  $\Rightarrow$  cutting-edge methods

more

easily accepted

**Wonderful  
Reference!**



# My Educational and Professional Journey



Jennifer Schumi, PhD

## Education



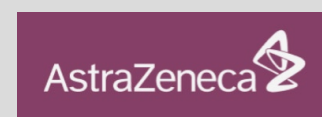
## Consulting/Cross-Product



## Study/Product Lead



## People Leader







MAY 2026

# ASA BIOP Career Panel Webinar

Jonathan Moscovici

# Jonathan Moscovici

*Associate Director – Center for Statistics in Drug Development*



## Current responsibilities

Provide statistical solutions in a regulatory setting, design clinical studies, consult on strategy for drug development.

## Profile overview

- >15 years of experience in biostatistics in the CRO industry/academic consulting, and sponsor partnership.
- Served as Statistical Team Lead >10 years in therapeutic areas such as oncology, vaccines, psychiatry and GI studies,
- Served as an unblinded randomization statistician/reviewer.
- Transitioned to study design consulting.
- Authored/co-authored several publications in peer-reviewed journals/book chapters/conference presentations.
- Elected/served as 2021 Program Chair for the Biopharmaceutical Section of the American Statistical Association
- Volunteered on the ASA BIOP podcast.
- Helped launch the ASA BIOP YouTube channel.
- Current ASA BIOP Mentoring group chair (BRIDGE).
  - <https://community.amstat.org/biop/aboutus/sub-committees/mentoring>

# Who am I



Professor of Biostatistics and Oncology, Mayo Clinic



Group Statistician and Program Director for the Statistics and Data Management Center for the Alliance for Clinical Trials in Oncology.



Clinical Trials and Data Management

National and International Steering Committees, Advisory Panels related to cancer, use of EHR to facilitate research



SCT Fellow; past president of SCT



Statistical Board of the NEJM Evidence



~200 publications: innovative designs for phase I, II, and III clinical trials as well as advances in alternative endpoints, and improvements in clinical trial conduct and methodology

# RESEARCH



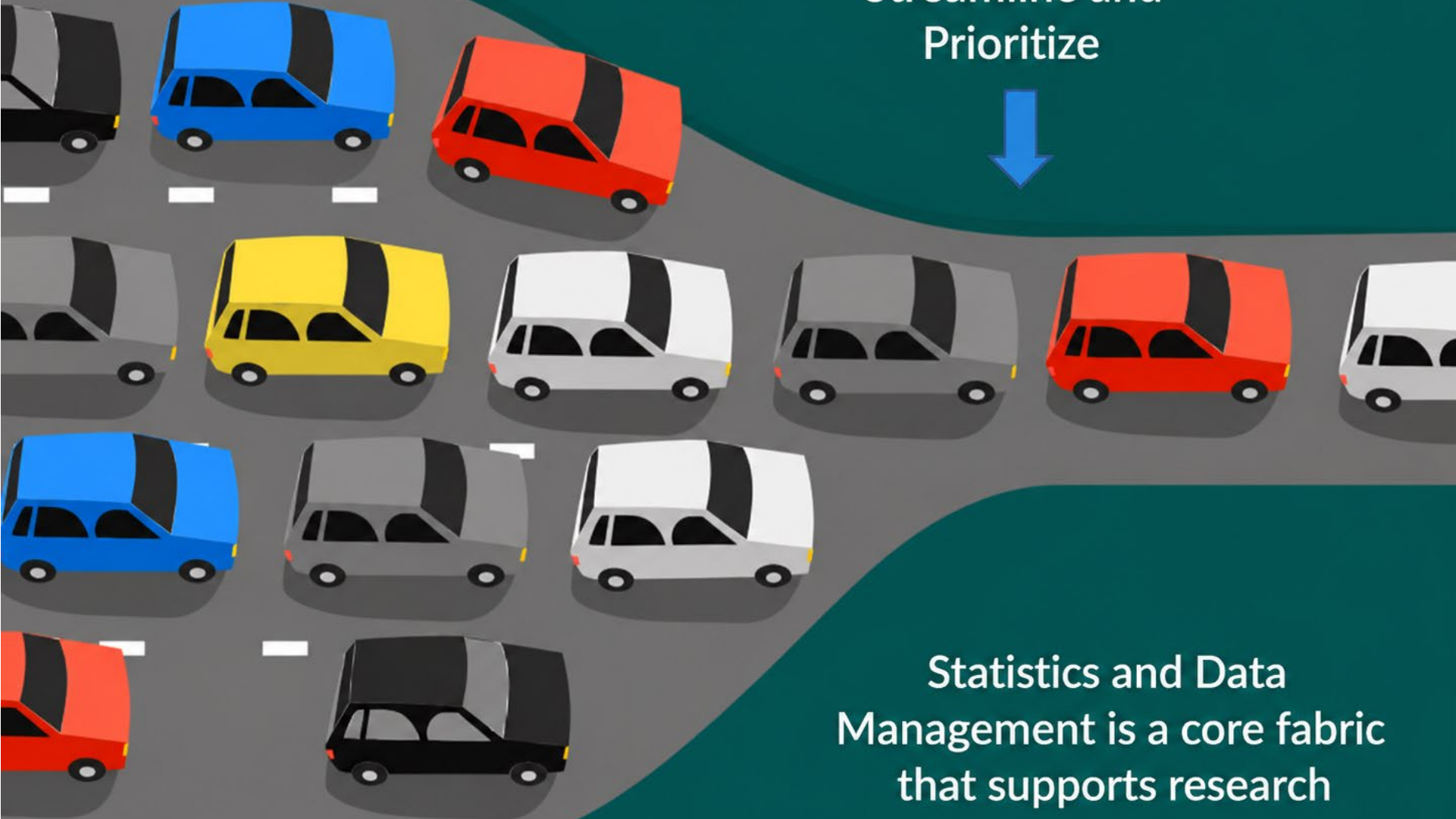
**Having analyzed the data, we're pretty sure there will be a result – we just don't know what it might be!!!!**

This is normal....



Research Ideas

Streamline and  
Prioritize



Statistics and Data  
Management is a core fabric  
that supports research

Trial monitoring



Results analysis and  
manuscript preparation



New study design



Mentoring and research



DSMB and  
regulatory reporting



Data sharing  
requests

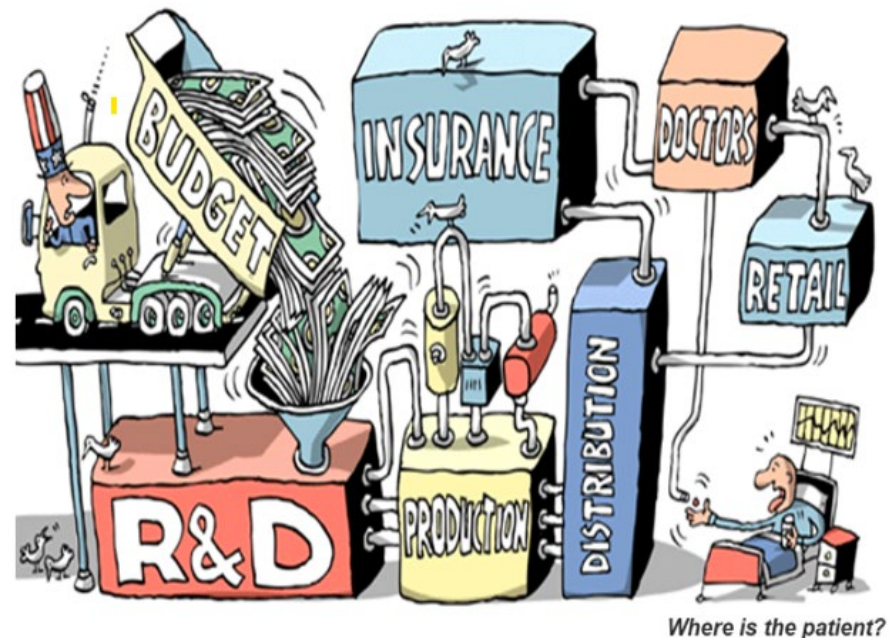




## Current State of Clinical Trials

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- Expensive
- Complex designs
- Data collection often excessive
- Long activation process
- Inequitable access



*Resulting in a model that is unsustainable*