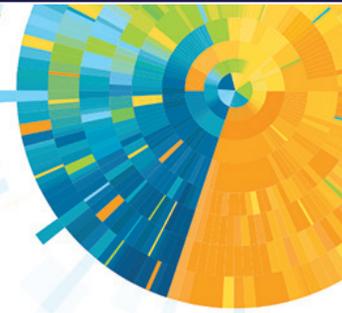




April 2-5 | Philadelphia, PA

ASPET 2022 Annual Meeting

at Experimental Biology



ASPET Annual Meeting Program

The **ASPET Annual Meeting** is *the* place to discover and to present the highest quality, innovative science in pharmacology and experimental therapeutics.

ASPET welcomes all scientists passionate about pharmacology to gather **April 2-5** in **Philadelphia** as ASPET intersects with other experimental biologists in physiology, biochemistry, molecular biology, pathology, and anatomy at the last Experimental Biology conference (EB).

Explore the full ASPET program at www.aspet.org/eb2022/program and the EB program at www.eventscribe.net/2022/EB2022/

Friday, April 1, 2022

Give a Day of Service to Philadelphia at EB 2022

ASPET gives back! Members arrive a day early in Philadelphia to give back to the local community.

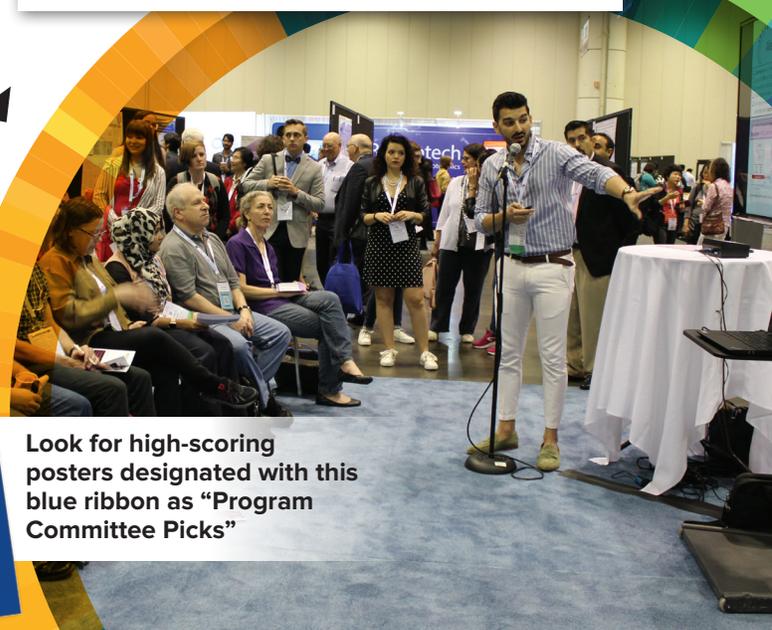
Since 2009, ASPET attendees have given a day of volunteer service in the local communities where we convene. Volunteer activities have included home construction, building maintenance, painting, cleaning, stocking shelves, and food service.

At EB 2022 we will spend the day at Prevention Point (<https://ppponline.org/>) doing whatever is needed to help the citizens of Philly. Financial donations are not required but are always appreciated.

ASPET would like to thank Dr. Charles France and the ASPET Behavioral Pharmacology division for organizing and leading this volunteer effort for us since 2009.

Over 600 pharmacology posters! *Where to start?*

Spend a ½ hour at the ASPET Daily Datablitz at 10:30 am on Sunday, Monday, and Tuesday for highlights of 10 exciting posters in quick 3-minute synopses.



Look for high-scoring posters designated with this blue ribbon as “Program Committee Picks”

9:00 am - 10:00 am		
Meet the Experts: Biotech and Pharma at ASPET		Room 109 AB
10:00 am - 10:45 am		
	John J. Abel Award in Pharmacology Lecture Keynote: Mikel Garcia-Marcos "The Secret Life of G Proteins"	Room 114
11:00 am - 12:30 pm		
	Axelrod Symposium and Lecture: GPCRs and G-Protein Signaling: Insights into Disease	Room 114
Induction of Early Onset Cardiovascular Disease by Methamphetamine		Room 113 C
Targeting Autophagy in Cancer		Room 111 AB
Automating the Patient-Oriented Problem-Solving Sessions in Pharmacology		Room 109 AB
12:30 pm - 1:30 pm		
Break for lunch with a colleague <i>Tip: Don't miss the cheesesteaks at Reading Terminal Market</i>		
1:30 pm - 3:00 pm		
Pharmacology Perspectives on Attaining Diversity, Equity and Inclusion in Clinical Trials		Room 114
Immunotherapies for Substance Use Disorders: State-of-the-Art Approaches		Room 111 AB
Novel Microphysiological and Microtissue Systems to Advance Transporter Research		Room 113 C
Student-Postdoc Colloquium: Elements of Feedback: Strategies to Nurture a Growth Mindset		Room 113 AB
3:15 pm - 4:00 pm		
	David Lehr Research Award Lecture Keynote: Kathryn Meier "Lysophosphatidic Acid: Insights from a Lipid Mediator and its GPCRs"	Room 114
4:00 pm - 4:30 pm		
Networking Break <i>Discuss today's talks and plan out your schedule for tomorrow</i>		Hallway/ Lounge
4:30 pm - 6:00 pm		
	ASPET Business Meeting and Award Presentations	Room 114
6:00 pm - 7:30 pm		
EB Welcome Reception		Exhibit Hall AB

A recording of the Tang Foundation Prize Lecture by Dr. Charles Dinarello is available online to meeting registrants.

8:00 am - 9:30 am

Targeting Gq Signaling in Disease	Room 113 C
Opioid Dependence and Non-Canonical Targets for Medication Development	Room 111 AB
COVID-19 Vaccines and the Virus: Impact on Drug Metabolism and Pharmacokinetics	Room 113 A
Diversity & Inclusion Session: Responding to Microaggressions	Room 109 AB

9:30 am - 10:00 am

Networking Break

Discuss the morning sessions, visit with exhibitors, and plan your route for poster viewing

10:00 am - 12:00 pm

ASPET Poster Presentations

Discover the latest with more than 200 pharmacology poster presentations

Don't miss the ASPET Daily Datablitz at 10:30 am in Booth #1418

Fast-paced, 3-minute poster talks

Exhibit Hall AB

12:00 pm - 1:00 pm

Networking in the Exhibit Hall

Visit with exhibitors, grab lunch, explore Career Central

Exhibit Hall AB

12:00 pm - 1:30 pm

Undergraduate Networking and Career Development Session	Room 109 AB
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1:00 pm - 1:45 pm



Goodman and Gilman Award in Receptor Pharmacology Lecture

Keynote: Krzysztof Palczewski

"G protein-coupled Receptor Signaling in Phototransduction"

Room 114

2:00 pm - 3:30 pm

Taking Care of Business: Funding Drug Discovery through the SBIR/STTR Programs	Room 111 AB
Behavioral Paradigms to Model Substance Use Disorders in Animals	Room 113 C
Envisioning the Scope of Pharmacology Education for the Next Decade	Room 109 AB
COVID-19: Long Haul Symptoms, Testing and Impact of Environmental Exposures	Room 113 A

3:30 pm - 4:00 pm

Networking Break

Discuss today's talks, visit with exhibitors, and plan out your schedule for tomorrow

4:30 pm - 6:30 pm



ASPET Student/Postdoc Poster Competition

Poster competitors and judges to arrive at 4:00 pm.

Terrace Ballroom 1

8:30 pm - 10:00 pm

ASPET Student/Postdoc Mixer

Marriott, Liberty Ballroom C

8:00 am - 10:00 am

Division for Drug Metabolism and Disposition

Bernard B. Brodie Award, Gillette Awards, and Junior Investigator Platform Session

Room 113 C

Division for Toxicology

Precision Medicine and Toxicology: Data Science for Environmental Contaminants and Drug Safety Prediction

Room 113 B

Division for Neuropharmacology

Early Career Award Lecture and Postdoctoral Fellow Showcase

Room 113 A

Division for Molecular Pharmacology

Early Career Award and Postdoc Competition

Room 111 AB

Division for Pharmacology Education

Are You Measuring What You Think You Are? Writing Board-Style Multiple Choice Questions

Room 109 AB

10:00 am - 12:00 pm

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Exhibit Hall AB

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Fast-paced, 3-minute poster talks

12:00 pm - 1:00 pm

Networking in the Exhibit Hall

Visit with exhibitors, grab lunch, explore Career Central

Exhibit Hall AB

1:00 pm - 3:00 pm

Division for Cardiovascular Pharmacology

Trainee Showcase and the Paul M. Vanhoutte Distinguished Lectureship in Vascular Pharmacology

Room 113 C

Division for Cancer Pharmacology

Young Investigators Symposium and Susan B. Horwitz Award Lecture in Cancer Pharmacology

Room 113 B

Division for Behavioral Pharmacology

Postdoctoral Showcase and P.B. Dews Award Lecture

Room 113 A

Division for Drug Discovery and Development

Scientific Achievement Award Lecture and Notable Abstracts Platform Presentations

Room 111 AB

Division for Translational and Clinical Pharmacology

Young Investigator Awards Platform and Early Career Faculty Showcase

Room 109 AB

3:00 pm - 3:30 pm

Networking Break

Discuss today's talks, visit with exhibitors, and plan out your schedule for tomorrow

3:30 pm - 5:00 pm

ASPET Presidential Symposium:

The Intersectionality of Health Disparities: Pharmacology, Prescribing Bias and Social Determinants of Health Room 111 AB

Importance of Prodrug-activating Enzymes in Drug Development and Precision Pharmacotherapy Room 113 C

GABA-A Receptor Subtypes as Targets for Fast-Acting Antidepressants Room 113 A

**Journals Workshop:
An Interactive Guide to Publishing, Reviewing, and Decision Making** Room 109 AB

5:00 pm - 6:00 pm

ASPET Meet-the-Editors Room 109 AB

5:30 pm - 7:00 pm

Mixer: Marriott, Franklin Hall 1
Division for Molecular Pharmacology

Mixer: Marriott, Franklin Hall 2
Division for Cardiovascular Pharmacology

Joint Mixer: Marriott, Franklin Hall 3
Divisions for Drug Metabolism and Disposition, Pharmacology Education, and Toxicology

Joint Mixer: Marriott, Franklin Hall 4
Divisions for Cancer Pharmacology, Drug Discovery and Development, and Translational and Clinical Pharmacology

Joint Mixer: Marriott, Franklin Hall 13
Divisions for Behavioral Pharmacology and Neuropharmacology

New Closing Event to Celebrate Achievements of our Young Scientists

Don't miss ASPET's Closing Networking Event that will include announcement of all our 2022 Student-Postdoc Poster Competition winners and announcements about our new 2023 Annual Meeting. The event starts immediately after the conclusion of our last scientific sessions of the day at **3:30 pm on Tuesday, April 5.**

ASPET Booth #1405

Visit the ASPET booth in the Experimental Biology exhibit hall. Replenish your supply of ASPET t-shirts, plush donkeys, and other items from our store. Bring your friends to learn about the benefits of ASPET membership.





COVID-19 Vaccination Record Card
Please keep your record card, which includes medical information about the vaccines you have received.

Last Name		First Name		MI
Date of birth				
Patient number				
Vaccine	Product Name/Manufacturer/ Lot Number	Date	Healthcare Professional or Clinic Site	
1 st Dose COVID-19	Moderna 16-1377	03/12/21 mm dd yy	Health 12	
2 nd Dose COVID-19	Moderna 21-1433	04/12/21 mm dd yy	Health 12	
Other		mm dd yy		
Other		mm dd yy		

Stay up-to-date on the latest EB health and safety information at
www.experimentalbiology.org/healthandsafety



Step up to Experimental Biology Career Central and take the next step in your career!

- Interactive Workshops and Symposia** – Career building topics led by expert speakers
- Meet-the-Experts** – Small group career-development discussions
- Short Talks** – Power-packed tips for those with limited time between sessions
- Job Boards** – Job openings across all areas of science

Explore full schedule at www.experimentalbiology.org/career-central

Thank you for being an ASPET member!

Be sure to stop in at the ASPET member lounge in Room 112 of the Pennsylvania Convention Center. Relax, grab a cup of coffee, catch up with colleagues.

HOURS:

- Saturday 9:00 am – 4:30 pm**
- Sunday 7:30 am – 4:00 pm**
- Monday 7:30 am – 5:00 pm**
- Tuesday 7:30 am – 3:30 pm**

Not a member of ASPET? Join today in Booth #1405 or at www.aspet.org.

8:00 am - 9:30 am

Ectopically Expressed Olfactory Receptors: Promises and Challenges of the Understudied GPCR Family Room 113 B

Developmental Neurotoxicity of Cannabinoids Room 111 AB

The Importance of Pharmacology to Regenerative Medicine Innovation Room 113 C

Evolution of Drug Resistance Room 113 A

9:30 am - 10:00 am

Networking Break

Discuss the morning sessions, visit with exhibitors, and plan your route for poster viewing

10:00 am - 12:00 pm

ASPET Poster Presentations

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12:00 pm - 1:00 pm

Networking in the Exhibit Hall

Visit with exhibitors, grab lunch, explore Career Central

Exhibit Hall AB

1:00 pm - 1:45 pm



Otto Kraye Award in Pharmacology Lecture

Keynote: Des Richardson

“Tickling Tumor Cell Iron to Result in Surprising Pharmacology: Development of Innovative Anti-cancer Agents that Overcome P-Glycoprotein Resistance and Metastasis”

Room 114

2:00 pm - 3:30 pm

ASPET “Guppy Tank” Translational Science Pitch Competition Room 111 AB

G Protein Signaling in CNS Disorders Room 113 A

Teaching Blitz Room 113 B

ASPET Divisional Lightning Talks Room 113 C

3:30 pm - 4:30 pm



Poster Awards and Closing Networking Event

Room 109 AB

Do you volunteer on an ASPET committee?

See committee meeting times and locations at www.aspet.org/eb2022-committees



DIVISION DAY

Monday, April 4

Hear the hottest science in your division's area from both young scientists and esteemed award winners.

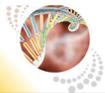
Featured Talks at 8:00 am



K. Thummel
Brodie Awardee (DMDD)



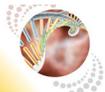
E. Levitt
Early Career Awardee (NEU)



A. Kanthasamy
Career Awardee (TOX)



M. Torres
Early Career Awardee (MP)



P. Stapleton
Early Career Awardee (TOX)



C. Zhang
Early Career Awardee (MP)



B. Henderson
Early Career Awardee (NEU)



Workshop: Writing Board-Style
Multiple Choice Questions (DPE)

Featured Talks at 1:00 pm



S. Mooberry
Horwitz Awardee (DCP)



S. Sonkusare
Mid-Career Awardee (CVP)



L. Dykstra
Dews Awardee (BEH)



F. Alshbool
Early Career Awardee (CVP)



C. Niswender
DDD Awardee (DDD)



J. Prokop
Early Career Awardee (TCP)



J. Danser
Vanhoutte Awardee (CVP)



K. Jackson
Early Career Awardee (TCP)

Division Mixers at 5:30 pm

*Catch up with old friends, make new ones,
and meet the awardees at the division mixers!*

BEH = Behavioral Pharmacology, **CVP** = Cardiovascular Pharmacology, **DCP** = Cancer Pharmacology,
DDD = Drug Discovery and Development, **DMDD** = Drug Metabolism and Disposition,
MP = Molecular Pharmacology, **NEU** = Neuropharmacology, **DPE** = Pharmacology Education,
TCP = Translational and Clinical Pharmacology, **TOX** = Toxicology