

## SERMACS 2022 FINAL REPORT

October 19-22, 2022 San Juan, Puerto Rico



SERMACS 2022 Theme

"Chemistry transcending boundaries for a sustainable future"

## SERMACS 2022







## SUSTAINABLE GALS





































## Our uniqueness



- Membership Lounge and Regional Leaders Meeting
- Collaborative effort / Partnership:
  - AAAS
  - Colegio de Químicos de Puerto Rico
  - International Chemical Sciences Chapters (Latin America)
  - International Student Chapters
  - Other sister societies (NOBCChe, SACNAS, among others)

## Our uniqueness



- For the first time in SERMACS, we included a hybrid technical program (in-person/remote).
  - Although limited to two daily symposia, it also included all the plenary lectures
  - virtual poster session for international students (i-RIPS).
- Participants representing 18 different countries
- ACS-on-Campus
- Exhibition of Hispanic women
- Special shows to highlight our culture
- Chemistry Festival as part of National Chemistry Week celebration

## Our uniqueness



Address Goal 5 of the ACS Strategic Plan: Embrace and Advance Inclusion in Chemistry.

- All the five plenaries were started with an "inclusion moment" led by an ACS Board member;
- All morning and afternoon sessions were also started with a short reflection about inclusiveness.
- All the plenary sessions were also delivered using sign language interpreters and were virtually transmitted,
- A special room was designed for those students that suffer from anxiety.
- In some of the symposia speakers were allowed, especially Hispanic students, to present their talks in Spanish, however slides were in English.

## Saturday, October 22 - Events

8:00 am - 12:00 pm	SERMACS' Board Meeting	208 B
8:30 - 9:30 am	AAAS Plenary Speaker 5 - Erick Carreira	Ballroom A
8:30 - 9:30 am	AAAs Annual Conference	Ballroom A
10:00 am - 12:00 pm	Sci-Mix Poster Session V	Ballroom B
10:00 am - 12:00 pm	i-RIPS Live (Virtual) Poster Session	Ballroom B
1:30 - 5:00 pm	AAAs Annual Conference	209 A/B



2022 Annual Conference

### PUERTO RICO CONFRONTS CLIMATE CHANGE

### **AGENDA**

07:30 AM	Registration
08:25 AM	Welcoming Remarks
08:30 AM	Plenary Lecture (SERMACS & AAAS Plenary Speaker
	- Erick Carreira, Ph.D.
09:30 AM	Coffee Break
10:00 AM	Dedication Engr. Carl-Axel Soderberg
10:10 AM	Panel "Puerto Rico confronts climate change"
11:30 PM	Poster Session + Lunch
01:30 PM	Panel "Communicating Climate Change to Diverse Audiences"
03:00 PM	Lucy Gaspar and Robert I. Larus Awards' Ceremony
04-30 PM	Networking

## Puerto Rico Convention Center, San Juan





## Rooms



- 16 educational meeting rooms
- 2 Ballrooms (Posters & Graduate School Fair)
- Mezzanine Exhibitors





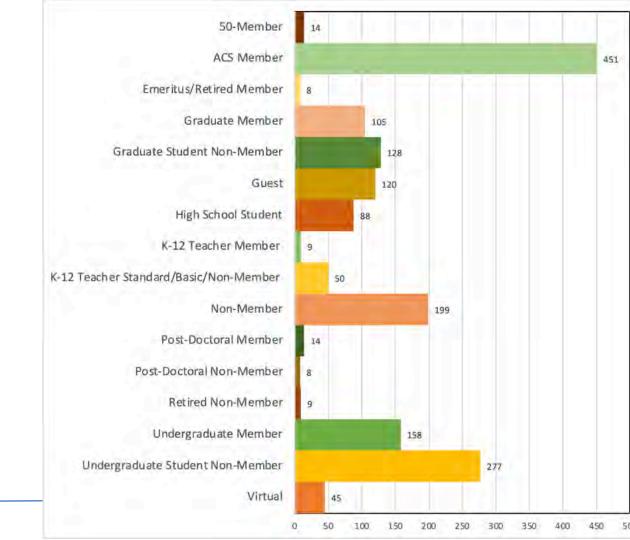
### **Hotels**



## Sheraton Puerto Rico Hotel -1,018 room nights Casino Hyatt Place- 159 room nights



Registration-1,683 participants



### **Advertise:**



www.sermacs2022.org







ACS National Meetings (Spring / Fall)
SERMACS 2021

**FLAQ** 

**International Meetings** 

C&EN

**ACS Matters** 

**JChemEd** 

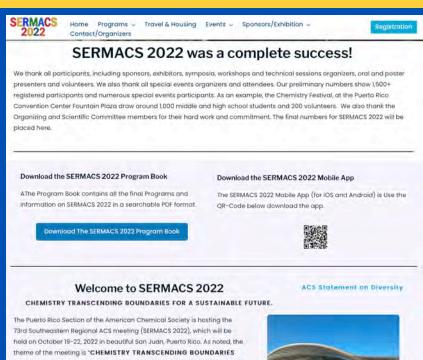
**Local Newspapers** 

**Local News** 

### **SERMACS 2022 Webpage**







in 2009 with a record number of attendees and this year we are hoping to establish a new record. SERMACS 2022 will be an international event that we are promoting heavily both in the United States and all over Latin America.

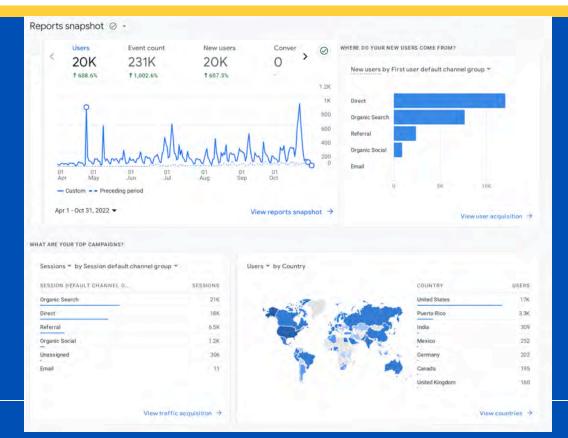
**American Chemical Society** 

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## **SERMACS 2022 Webpage Analytics**



23K Visits 231K Views 9 Countries



1	United States
2	Puerto Rico
3	Brazil
4	Canada
5	China
6	Costa Rica
7	Germany
8	India
9	Spain

## Technical Program





David MacMillan
Nobel Prize Winner 2021



Angela Wilson 2022 ACS President



Isiah Warner Louisiana State University



Erick Carreira
JACS Editor-in-chief

### **Program Book**



175 pages
Included ALL
SERMACS
2022 activities



### 73rd Southeastern Regional ACS Meeting

CHEMISTRY TRANSCENDING BOUNDARIES FOR A SUSTAINABLE FUTURE

October 19-22, 2022

### Program Book

PUERTO RICO CONVENTION CENTER, SAN JUAN, PUERTO RICO Hosted by the ACS-Puerto Rico Section





#### **SERMACS 2022 PLENARY LECTURES**

#### NOBEL LAUREATE LECTURE

David W. C. MacMillan, Ph.D., McDonnell Distinguished University Professor of Chemistry at Princeton University, Merck Center for Catalysis, Princeton University, Princeton, NJ 08544

Friday, Oct. 20, 5:00 pm, Ballroom A



#### The Development of Asymmetric Organocatalysis and Metallaphotoredox

This lecture will first discuss the advent of organocatalysis in my laboratory. As part of this overview, we will highlight why organic catalysts have become widely explored in modern synthetic chemistry

This lecture will also discuss the application of visible light photocatalysis to the discovery or invention of transformations that will be conceptually or synthetically valuable (and sometimes hopefully both). We will describe why a healthy balance of reaction discovery and mechanistic understanding has been important to the development of a field of research that is now being widely adopted in both industrial and academic settings. In particular, we will discuss the application of photocatalysis to the development of new metallaphotoredox reactions involving copper, a development that we hope will have an impact on the discovery of new biologically relevant molecules.

## Thursday, October 20, 5:30 pm, Ballroom A

### **Plenary Lecture**





Victor R. McCrary, Ph.D. Vice President for Research, Professor of Chemistry, Office of University Research, The University of the District of Columbia and Vice-Chair National Science Board



Chemistry for Life®



## Thursday, October 20 12:00 - 1:30 pm Room 104 C

## Women Chemist DEIR Luncheon











Special Keynote Address Dr. Laura Castillo-Page National Academies' Chief Diversity and Inclusion Officer

### 73rd Southeastern Regional ACS Meeting Women Chemists Diversity, Equity, Inclusion and Respect (DEIR) Luncheon

Thursday, October 20, 2022 12:00 – 1:30 pm

Puerto Rico Convention Center, Room 208B

Sponsored by ACS Women Chemists Committee & NOBCChE

\*Ticketed Event\*

## SERMACS 2022



Scan & Register

## Technical Program



- Scientific Presentations
- Posters
- Undergraduate Program
- Workshops
- High School Teacher Program
- Graduate School Fair-
  - 50 Universities

- Exposition
  - 35 Exhibitors
- NCW Outreach event
  - Festival de Química
- Social:
  - Opening
  - Puerto Rican night
  - Luncheon (2)
  - Activity in Old San Juan for international participants

## Technical Program



- Grand Total of 1,027 presentations.
  - 31 Theme symposia-370 oral presentations
  - 20 General Sessions-160 oral presentations
  - 5 Poster Sessions- 497 presentations
  - 4 Workshops

Chemistry Festival Friday, October 21



8:30 - 11:00 am

**Convention Center Grounds** 







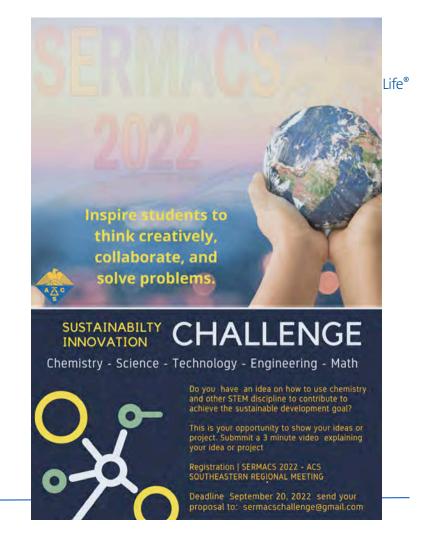




# K-12 Teachers and Students Day

Friday, October 21 8:30 - 11:00 am





## COMMITTEE ON PROFESSIONAL TRAINING (CPT)

Friday, October 21

10:25 am - 12:00 pm

CPT Listening Session - ACS Graft
Guidelines for Undergraduate
Programs



## Friday, October 21





1:45 - 4:55 pm

Hangout with ACS on Campus at Sci-

Mix (in Ballroom B)

6:15 - 7:15 pm

Ask Me Anything Live!

David MacMillan, Ph.D., Nobel Laureate and James S. McDonnell Distinguished University, Professor of Chemistry,

1:45 – 7:15 pm

### **Award Luncheon**

Friday, October 21

12:30 - 1:30 pm

12:00 pm Welcome Remarks and Meal Service

12:30 pm Introduction of Keynote Speaker

#### Keynote Speaker:

Paul W. Jagodzinski

Chair, ACS Board of Directors

Professor

Department of Chemistry & Biochemistry

Northern Arizona University

1:00 pm Presentation of Southeast Regional Awards

Presentation of Local Section awards

Recognition of Local SERMACS Organizing

Committee



## Income and Expenses Report





## **Income and Expense Report**



Revenues: \$402,908.75

Expenses: \$334,773.00 (includes the return of the Regional Board \$6,000 loan)

Net: \$68,135.75

**SERMACS**, Inc. (20%): \$13,627.15

Puerto Rico Section: \$54,508.60

For details, see Appendix 10 of the SERMACS 2022 Final Report

### **SERMACS 2022 Organizing Committee**



#### **Executive Committee**

General Meeting Chair Ingrid Montes

Program Chair Néstor M. Carballeira

Co-Chairs Jorge L. Colón

José Antonio Prieto

Arthur Tinoco

Treasurer Jorge L. Colon.

Meeting Coordinator Carlos Castañeda

LCC Management

ACS Meeting Planner Brianne Blevins

Webmaster José Antonio Prieto



### **Organizing Committee**

ACS Meeting Planner Brianne Blevins

Fundraising/ Exhibit Committee Lisa Houston, District IV Director -

ACS Board of Directors

Chris Bannochie, Savannah River

National Labs.

CarlosTollinche - INDUNIV

Maria de Lourdes Rivera, CQPR

Graduate School Fair Chair Milagros Delgado, FIU

Education Program Chair Maria Oliver-Hoyo – NCSU

Undergraduate Program Chair Brenda J. Ramos – UPR-Aguadilla

i-RIPS Program Chair Santiago Urena - Costa Rica, Isaac

Céspedes Camacho - Costa Rica, and Carolina Guzmán - Guatemala

Teachers Day Chair Liz Diaz –UPR-Rio Piedras

SEED Program Chair Ajay Mallia

NCW-Festival Chair Ingrid Montes

fe®

### **SERMACS 2022 Organizing Committee**



ommittee	
Scientific Committee	Daniel Rabinovich
Ajay Mallia	David J. Sanabria-Rios
Alec H. Christian	Douglas Masterson
Angel, A. Martí-Arbona	Elsie I. Pares-Matos
Arthur D. Tinoco	H.N. Cheng
Asier Unciti-Broceta	Idalia Ramos
Ben A. García	James D. Kubicki
Bob Kane	Jenny Lawler
Brenda J. Ramos-Santana	Jenny Y. Yang
Bridgette Shannon	Jesús Velázquez
Caleb Martin	Jillian L. Dempsey
Carlos R. Cabrera	Jorge L. Colón
Christopher D. Chouinard	José Almirali
Cliff W. Padgett	Joseph Sabol
Dalice M. Piñero Cruz	Juan C. Colberg

Daniel Cruz-Ramirez de

Arellano

Kelley C. Callin

Lisandro Cundi	
Lorena Tribe	Reni Joseph
Luyi Sun	Rosalynn Quiñanes
Mahesh Narayan	Santiago Sandi-Ureña
Maria Oliver-Hoyo	Santiago-Berrios
Mario V. Ramos-Garcès	Scott R. Goode
Mark Pederson	Stephen Westcott
Marvin J. Bayro	Tad Whiteside
Mary Virginia Orna	Ubaldo M. Córdova-
Md Nurunnabi	Figueroa
Mitk-El B. Santiago-Berrios	Verónica Bermudez Benito
Monica Pica	Will E. Lynch
Paul S. Weiss	Xu Simon
Ramonita Diaz Ayala	Yousong Ding
Randy M. Wadkins	
Renā A. S. Robinson	

### **SERMACS 2022 Sponsors**

### **Diamond**

#### **Platinum**

















Gold





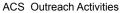






**Silver** 





















### **SERMACS 2022 Sponsors**

Copper



























































### **SERMACS 2022 Exhibitors**





























































### **SERMACS 2022 Graduate School Fair Participants**





























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WASHINGTON, DC



### **SERMACS 2022 Graduate School Fair Participants**

University of Massachusetts Amherst







































