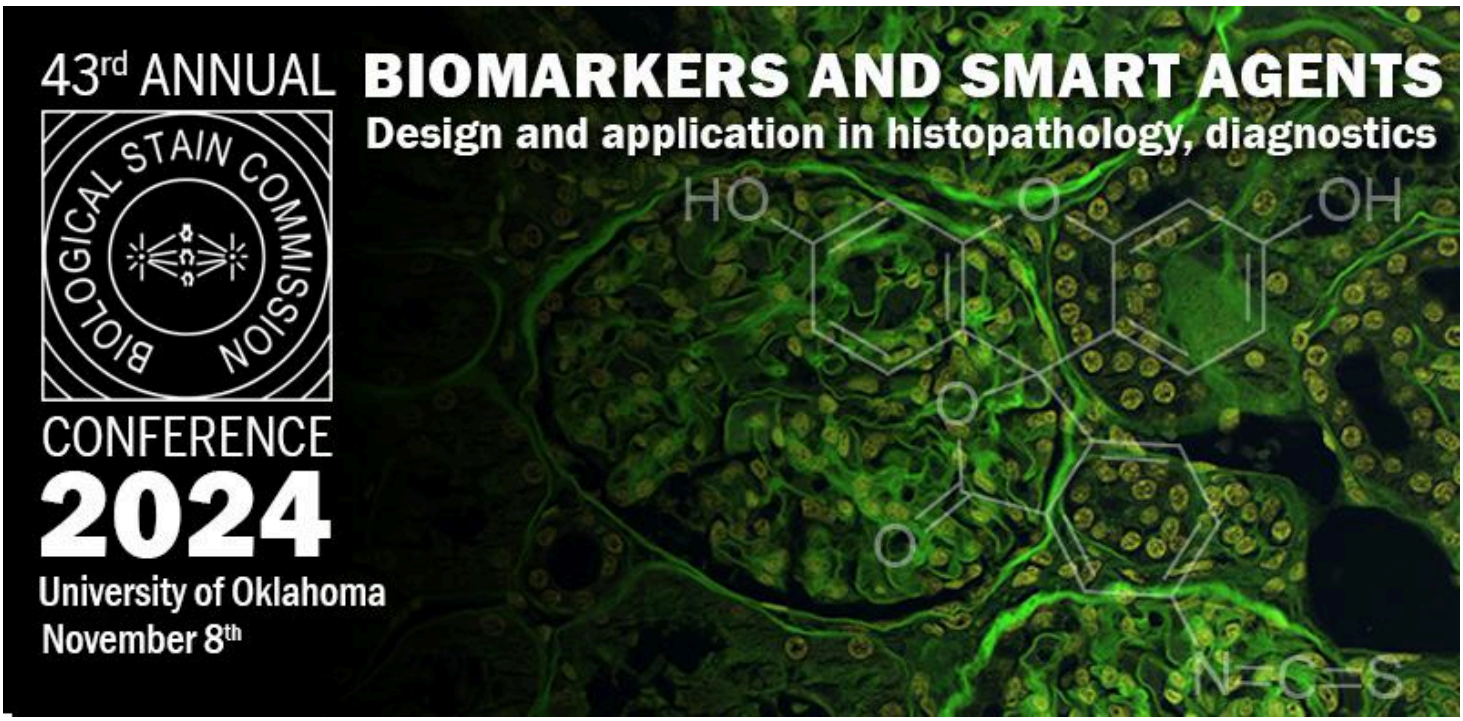

43rd Annual (2024) BSC Conference

BIOMARKERS AND SMART AGENTS: Design and application in histopathology, diagnostics

Pharmaceutical Chemistry Department at Ain Shams University, the Department of Chemistry at the University of Oklahoma and the Biological Stain Commission cordially invite scientists, researchers, graduate, and undergraduate students to participate on the 43rd Annual Biological Stain Conference titled "BIOMARKERS AND SMART AGENTS: Design and application in histopathology, diagnostics".

Scope:

Development and use of dyes, stains, and smart agents to identify and track disease. Topics will cover both the synthesis and use of dyes, stains, and smart agents in pathology, cancer, inflammation, infectious disease, and other applications.

Symposium Objectives:

1. To explore the role ofsmall moleculesin drug discovery and development for biomedical applications.
2. To address challenges and opportunities in the design, synthesis, and characterization of small molecules for biomedical applications.

3. To foster collaboration among researchers, academicians, and industry professionalsin the field.
4. To provide a platform for young researchers and students to showcase their research and ideas.

Symposium Themes:

1. Organic synthesis strategies for small molecules discovery.
2. Structure-activity relationship (SAR) studies in medicinal chemistry.
3. Computational approaches in drug design and discovery.
4. Biochemical and pharmacological characterization ofsmall molecules.
5. Natural product-based drug discovery.
6. Drug delivery systems and formulation strategies.
7. Emerging trends and technologies in pharmaceutical chemistry.

1. **Benefits of this Symposium to the students:**

The student, who will present their posters, will be able to develop and improve their soft skills: presentation and critical thinking as well as present his work to researchers from various specializations of histology, biological markers, biological techniques, and
molecular methods. He will be able to fine-tune his presentation to showcase to the audience from different backgrounds and answer questions they pose.

Poster Presentation Guidelines:

Posters presenters are responsible for setting up and removing the poster.

Posters should be laid out in the following segments:
-Title: Identical to the title of the abstract
-Authors' names and affiliations
-Introduction
-Aims
-Methods
-Results
-Conclusions
-References, contact details, & acknowledgment.

Speakers:

We are honored to announce the following speakers:

1. Dr. Maged Henary, Georgia State University, Atlanta, GA
2. Mohamed Mokhtar, Roswell Park Comprehensive Cancer Center, Buffalo, NY
3. Dr. Carol Bain, University of Indiana, Indianapolis, Indiana
4. Dr. Bruce Cochrane and Chad Fagan
5. Dr. Lacey McNally, University of Oklahoma, Oklahoma City, OK
6. Dr. Zhang Han, University of Central Oklahoma, OK
7. Dr. Yihan Shao, University of Oklahoma, Norman, OK
8. Dr. Sheila Criswell, University of Tennessee, Memphis, TN
9. Undergraduate speaker
10. Graduate speaker

Important Dates:

- Registration Deadline: [10/15/2024]
- Symposium Date: [11/8/2024]

- **Location:**

Stephenson Cancer Center
755 Research Parkway
Oklahoma City, OK 73104

Registration Fees:

In-person general registration: $50.00 (includes free 1-year membership to the Biological Stain Commission with free Biotechnic & Histochemistry journal access)

Zoom Session only: $30.00

Undergraduate and graduate students: Free

Poster Fee: $10.00

Prizes: $1600 will be awarded and will be distributed among the following categories:

- Best Graduate Abstract (winner will be asked to give 20-minute oral presentation)
- Best Undergraduate Abstract (winner will be asked to give 20-minute oral presentation)
- Best high school/undergraduate poster (first and second place)
- Best graduate poster (first and second place)
- Best post-graduate poster (first and second place)

Hotel Information

A block of rooms has been reserved at the Embassy Suites by Hilton Oklahoma City Downtown Medical Center. To reserve at the BSC Rate, either click here or call the hotel at +1 405-239-3900 and indicate that you are with the Biological Stain Commission.

Contact Information:

Please send inquiriesto Lacey McNally Lacey_McNally@OUHSC.edu or Chad Fagan Chad_Fagan@URMC.Rochester.edu

Symposium Agenda:

Time	Theme of Presentation	Speakers	Affiliation
8:00 - 9:00 a.m.	**REGISTRATION and BREAKFAST**		
9:00 – 9:30 a.m.	The Biological Stain Commission: Past, Present, and Future	Dr. Bruce Cochrane and Mr. Chad Fagan	
9:30 – 10:00 a.m.	Synthetic Dyes	Maged Henary	
10:00 - 10:25 a.m.	Autophagy	Lacey McNally	
10:25 – 10:35 a.m.	**Break**		
10:35 – 11:00 a.m.	Best Submitted Undergraduate Abstract	TBD	
11:00 a.m. – 11:30 a.m.	Immunohistochemistry Basics	Carol Bain	
11:30 – 1:00 p.m.	**LUNCH BREAK and Poster Presentations**		
1:00 – 1:30 p.m.	Breast Cancer	Mohamed Mokhtar Desou	
1:30 – 2:00 p.m.	TBA	Yihan Shao	

2:00 – 2:25 p.m.	TBA	Zhang Han	
2:25 – 2:35 p.m.	**Break**		
2:35 – 3:00 p.m.	Best Submitted Graduate Poster	TBD	
3:00 – 3:30 p.m.	Troubleshooting Immunhistochemistry	Sheila Criswell	University of Tennessee Health Science Center, Memphis, TN
3:30 – 4:00 p.m.	Concluding Remarks and Poster Awards		
4:00 – 5:00 p.m.	**BSC General Membership Meeting**		
5:30 – 7:30 p.m.	**Dinner**		