



ACS NEWS

The biannual newsletter for the American Chemical Society Division of Fluorine Chemistry

MESSAGE FROM THE CHAIR



THOMAS
MATHIEW

Greetings from Los Angeles! First, I would like to extend our sincere appreciation and gratitude to Olga V. Boltalina, 2022 Chair for her distinguished service

to the FLUO Division, constant support and valuable advice rendered to me during my tenure as Secretary and during the transition as the Chair. Olga has been always very enthusiastic and helpful in bringing new ideas into the mission of our Division.

I also thank the previous Chairs Michael Gerken and Andrej Matsnev, Councilor David A. Dixon, Treasurer Bob Syvret, Gary J. Schrobilgen and all the Executive Committee members for their continued support and help, rendered to me.

With ample preventive precautions, the challenges of COVID-19 faded and we were enkindled to our 2023 activities during the 26th session of the Division's flagship conference, the biennial Winter Fluorine Conference in Clearwater Beach, Florida, during the week of January 8-13, 2023. The Organizing Committee led by the Conference Chair David A. Vicic did an outstanding job in conducting a well-organized fully in-person meeting in the best and safest possible way. Our heart-felt gratitude to Dave and Bob for their tremendous hard work behind all the arrangements- Dave, for invitation of speakers, planning all

the symposia, sponsorship arrangements and Bob for the negotiation and securing the conference venue, financial advice and account management. I also thank our sponsors, ACS staffs (Andrea & Team), all members of the Executive Committee including the poster judging committee, and all the attendees for their whole-hearted participation and help for a very successful meeting.

We celebrated the outstanding achievements of several deserving colleagues at the 26th WFC:

Viacheslav A. Petrov, Chemours for receiving the **2023 ACS Award for Creative Work in Fluorine Chemistry**, sponsored by the Division of Fluorine Chemistry; We also congratulated our Immediate Past Chair **Olga V.**

Boltalina, Colorado State University at Fort Collins, USA, for receiving the 2023 Division of **Fluorine Chemistry Distinguished Service Award**. We are greatly indebted to Olga for her commitment and long-standing service to the Fluorine Chemistry Division. We rendered special appreciation to Daniel Hercules for his outstanding contribution as webmaster. Also, congratulations to **Scott T. Shreiber** for receiving the **Doctoral Thesis Award**, **Maxim Baoucher**, **Ty Dudas**, **Zane Haidar**, **Chengliang Liu**, **Gabriela I. Puchall**, **Griffin J. LaChapelle** and **Carter Stinnet** for receiving the undergraduate Research Award for the

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VICE-CHAIR MEMBERSHIP REPORT

AS OF AUGUST 2022, THE AS OF APRIL 30, 2023, THE DIVISION OF FLUORINE CHEMISTRY OF THE ACS HAS 420 MEMBERS. THE BREAKDOWN IS AS FOLLOWS:

GROUP	COUNT	%
Regular Member	289	68.81
Regular Student Member	30	7.14
Student Member – UnderGrad	13	3.10
Emeritus Member	46	10.95
Retired Member	19	4.52
Division Affiliates	9	2.14
Society Affiliate	14	3.34
TOTAL	420	100

Please join me in welcoming the newest members to the FLUO Division who joined our group since the fall 2022 newsletter: Omar Afifi, Juan Aguilar, Takahiko Akiyama, Ebrahim-All Mohamed Ahmed, Eric Arrington, Nikola Bilic, John Bordynuik, William Caton, Mark Crimmin, Marilena Carbone, Alexie Clover, James Cumby, Alyssa Fediuk, Curtis Franz, Peter Fraser, Justin Gallman, Oskar Garcia, Jiachen He, Yiqin Hu, Adam Jones, Matthew Lacroix, Usha Kalra, Ajoy Kapat, Nora Khalil,

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year 2022. In October 2022, the prestigious **Blaise Pascal Medal of the European Academy of Sciences** for 2022 was awarded to **Gary J. Schrobilgen**, McMaster University, Canada in recognition to his contributions to the advances of science in the field of Chemistry. Congratulations!

Our Division will present a symposium in Fall 2023 ACS National meeting (August 2023) in San Francisco, jointly organized with the Organic Division by **Thomas Lectka** (from our Division) and Scott Bagley (from the Division of Organic Chemistry) on “*Synthetic Methods in Fluorine Chemistry*.” Four symposia have been planned for the Spring 2024 ACS National Meeting (March 2024) in New Orleans. Please note that the joint 23rd International Symposium on Fluorine Chemistry/ 9th International Symposium on Fluorous Technologies is rescheduled to take place in Québec, Canada from July 23rd to 28th, 2023. The 7th Fluorine Days, held last week (from June 18th to 22nd, 2023) in Poznań, Poland was a very insightful one. I greatly appreciate the organizing committee for all their efforts and hard work. I am sure that these meetings will help to bring our international fluorine family back together again with great scientific resolve and determination to the post COVID-19 era.

The Division continued its important sponsorship of undergraduate research with the award of **Moissan Summer Undergraduate Research Fellowships** (SURF) of \$5000. In 2023, SURFs were awarded to **Jamie C. Thuan**, a Senior (Chemistry major in 2023 Fall) at the College of Liberal Arts and Sciences, University of North Carolina, Charlotte (advisor: Prof. Markus Etzkorn, University of North Carolina, Charlotte, NC, USA) and to **Shane Hall**, a Junior (Chemistry major in 2023 Fall) in the Department of Chemistry at Lehigh University, Bethlehem (advisor: Prof. David A. Vivic, Lehigh University, Bethlehem, PA, USA.) Congratulations to Shane and Jamie! We wish them both a very pleasant and fruitful summer of research in fluorine chemistry. Please keep in mind that the next SURF deadline is Jan. 31, 2024. Details of the application will be announced in our Fall Newsletter.

The FLUO Division Executive Committee had a productive in-person meeting on January 8th 2023. We welcomed newly-elected and re-elected Officers/Executive Committee members David A. Dixon (Councilor), Joseph S. Thrasher (Alternate Councilor), Thomas Lectka (Vice Chair/ Secretary), Jessica Demott, Michael Gerken and Thomas Braun (Members-at-Large). We discussed the many items including the changes in the criteria of “**ACS Division of Fluorine Chemistry Undergraduate Award**” instituted in 2022 for undergraduate students for excellence in research in Fluorine Chemistry. The nomination is a rolling one. I thank Thomas Lectka for working on the document draft of the amended criteria and all Executive Committee members for their contributions in setting up this award. Also, please note that the nomination deadline for Doctoral Thesis Award is September 1, 2023.

On behalf of the Executive Committee, I want to reiterate our heartfelt and strong words of continued support to our professional friends and colleagues especially in Ukraine, who have been enduring grave hardships over a year and all those around the world.

I am so humbled and honored to be entrusted with serving you as the Chair of the ACS Division of Fluorine Chemistry in 2023. Please reach out to me (tmathew@usc.edu) with any ideas, comments, questions, or concerns any time. I am always happy and looking forward to hear from you. I request your earnest participation in all our Divisional activities to make our vision and scientific mission fruitful and beneficial to everyone and also, your sincere cooperation in our membership drive to bring in new members including our students and professional colleagues.

I wish you and your family a safe and joyful summer, good health and success in all your endeavors in 2023. ■

With Best Regards,



Thomas Mathew,
2023 ACS Division of Fluorine Chemistry Chair

FOLLOW US ON TWITTER!

AN EASY WAY TO DISCOVER THE LATEST NEWS RELATED TO THE ACS
DIVISION OF FLUORINE CHEMISTRY IS TO FOLLOW OUR TWITTER ACCOUNT
LOCATED HERE: [TWITTER.COM/FLUORINECHEM](https://twitter.com/FLUORINECHEM).





MARKUS ETZKORN

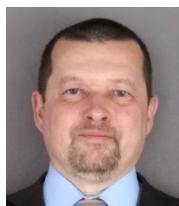
Wen Kong, Anuj Kumar, Phung Le, Derek Leong, Evan Leslie, Lara McMonigal, Mahsa Modiri Gharehveran, Christian Malapit, Hieu Nguyen, Dimitris Papanastasiou, Ashutosh Patel, Yeshvant Patel, Colin Peterson, Lauriane Peyrical, Cody Pitts, Wenchao Qu, Feng-Ling Qing, Dan-Dan Rao, Robert Reintjes, Elizabeth Salako, Ahmed Selim, Lawrence Tam, Tuba Ayca Tunca Arin, Nerissa Viola, Heather Wahab, Scott Williams, Digambar Waiker, Junpin Yao, Stewart Younger-Mertz, David Zgonc, Patricia Zhang.

I encourage our new student members to take advantage of the Division's many opportunities to grow professionally and to network, as you hopefully will remain part of our community throughout their future careers. Our Division is composed of members that make outstanding contributions in many areas of fluorine chemistry, and we remain the principal international organization of fluorine chemists around the world. The Division of Fluorine Chemistry continues to keep a membership profile with approximately 68% of its members within the USA and the remaining percentage from abroad.

Unfortunately, our membership continues to decline, and the division membership has further dropped to 420 since our executive committee meeting at the 2023 Winter Fluorine Conference in Florida (loss of 6 members). On the other hand, our student membership has slightly increased since the November 2022. I encourage all Division members to actively get involved in the recruiting process and reach out to friends and colleagues to become part of our welcoming, collegial, and close-knit community. In addition, I hope you can continue to convince students or postdoctoral fellows in your groups to join the Division, as the new generation of fluorine chemists.

Please refer interested applicants to our community website: <https://communities.acs.org/t5/Fluorine-Chemistry-Division/gh-p/fluorine-division> or to contact me directly (metzkorn@uncc.edu). ■

VICE-CHAIR **PROGRAM REPORT**



ANDREJ V. MATSNEV

PAST SYMPOSIA AND CONFERENCES (WINTER – SPRING 2023)

The Fluorine Division held the 26th Winter Fluorine Conference in Clearwater, FL on January 8-13 2023. The conference Chair David Vicic and Co-Chair Thomas Mathew attracted an outstanding cohort of fluorine chemists

from the U.S. and other countries. The Organizers of the Conference successively overcame all obstacles and difficulties and ran a very successful Conference with excellent scientific program. Technical programming areas included: Organic and Bioorganic Fluorine Chemistry, Inorganic Fluorine Chemistry, General Fluorine Chemistry, Industrial Fluorine Chemistry and Physical Fluorine Chemistry.

Our Division had a chance to participate in the Division Row session at the 2023 Spring ACS National Meeting in Indianapolis. This program was designed by the ACS to help Divisions to attract new members. The FLUO Program Chair presented a poster, which had description of Division programs as well as brief information regarding importance of the fluorine chemistry for the modern society.

FUTURE CONFERENCES AND MEETINGS

The 7th Fluorine Days, held in Poznań, Poland (June 18-22, 2023) was very successful. The future conferences include:

- 1. ISFC – ISoFT 2023, July 23-28, 2023:** The joint conference of 23rd International Symposium on Fluorine Chemistry (23rd ISFC) and the 9th International Symposium on Fluorous Technologies (ISoFT'23) will take place on **July 23-28, 2023 in Québec City, Canada**. For details and contact information, please see its website <https://isfc2023.org/>
- 2. ACS Fall 2023, August 13-17:** The registration for ACS Fall 2023 meeting is open now. It will be held on **August 13-17, at the Muscone Convention Center, San Francisco, CA**. Jointly with the Organic Chemistry Division (ORGN), the Fluorine Chemistry Division (FLUO) has planned a symposium "*Organofluorine Chemistry: Theoretical Approach and Practical Application*" on Sunday August 13, 2023. Many thanks to our Symposium Chairs Thomas Lectka (from FLUO Division) and Scott Bagley (from ORGN) for putting together an excellent program! This symposium will be a one full-day oral symposium as well as a number of posters that can be viewed during the general postal session and at the SciMix. For registration and details, go to <https://www.acs.org/meetings/acs-meetings/fall-2023.html>
- 3. ACS Spring 2024, March 17-21:** It will be held on **March 17-21 in New Orleans, LA. FLUO Division** is planning to organize four symposia during the meeting and preparations are underway.

(i) Symposium on F-18 chemistry held jointly with the Division of Nuclear Chemistry (NUCL) being organized by Neil Vasdev

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(ii) Symposium to honor the career of John Welch being organized by Bob Syvret.

(iii) Symposium on industrial aspects of fluorine chemistry being organized by Bob Syvret

(iv) Award symposium to honor the recipient of the 2024 ACS Award for Creative Work in Fluorine Chemistry by Andrej Matsnev

Further details regarding these symposia will be posted in our Fall 2023 Newsletter. Please stay tuned.

Thanks to all organizers for their efforts in planning and organizing these events.

I also would like to highlight the 6th CME NASA Symposium to be held on Aug. 14-15 at ACS Fall 2023 in San Francisco. Title of the Symposium

is “*Advancing Materials for Human Space Exploration.*” During this event you will be able to attend lectures of Barry Sharpless, Paul Anastas (Yale), Kimberly Budil (LLNL) and Jen Gustetic (NASA).

FLUO TUTORIAL WEEKS

The Fluorine Division held live-streamed a series of tutorial lectures – 3rd Tutorial Week – for the Division members titled “**Pioneers of Modern Fluorine Chemistry. Part II**”, on April 17-21 of 2023. On average, each lecture was attended by 50 people from both academic and industry. Many thanks to Olga Boltalina and Daniel Hercules for organizing and running this very interesting event. ■

DIVISION COUNCILOR REPORT

REPORT FOR ACS SPRING 2023 HYBRID COUNCIL MEETING INDIANAPOLIS, IN • MARCH 29, 2023



DAVID A. DIXON

By electronic ballot, the Council selected Dorothy J. Phillips and Florian J. Schattenmann as candidates for 2024 President-Elect.

By internet ballot, the Councilors from these districts selected Diane Krone and Helen (Bonnie) A. Lawlor as District III candidates, and Janet L. Bryant and Jeanette M. Van Emon

as District VI candidates.

If an ACS member wishes to serve on a committee, go to the online form which will run through July 3 [CMTE.acs.org](https://cmte.acs.org) to complete their preferences.

The Committee on Local Section Activities (LSAC) announced the launch of the ACS Speaker Directory, a new resource for our component group leaders to access a wide range of speakers for their in-person, hybrid, and asynchronous events.

The Committee on Meetings and Expositions (M&E) is actively engaged in collaborative efforts to re-imagine ACS meetings, targeting increased value and relevancy.

The spring 2023 meeting was held in a hybrid manner from March 26-30, 2023. As of March 29, there were 12,623 registrations (10,792 in-person and 1,831 virtual).

The Society’s overall financial position strengthened considerably in 2021 as Unrestricted Net Assets, or reserves, increased by \$123 million to \$676 million on December 31. The increase was primarily the result of the \$79 million net from operations and growth of the Society’s investments totaling \$71 million.

Divisional Activities

Effective January 1, 2023, the Division of Carbohydrate Chemistry (CARB) will change its name to the Division of Carbohydrate Chemistry & Chemical Glycobiology (CARB).

International Activities

The Council approved a *Petition to Charter an International Chemical Sciences Chapter* in Switzerland.

Membership Affairs

The Council approved the extension of market testing of the international dues discount program based on World Bank country income levels.

- > The test provides reduced dues for international members residing in emerging nations, which host an ACS chapter, and as defined by World Bank income criteria.

- > The test results, to date, have suggested a positive impact on membership through new members and the expanded inclusivity that a wider global community provides.

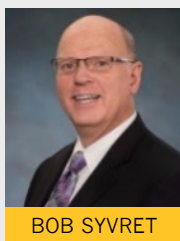
The Council approved the 2023 Schedule of Membership.

- > The 2022 Schedule went "live" a few short months ago, and the 2023 Schedule was designed to add more value and an increased choice for membership by adding clarity and a more intuitive explanation of how our membership works.

- > The 2023 Schedule of Membership did not change any dues, benefits, eligibility, or privileges from the 2022 Schedule.

Board of Directors

The Board received an extensive report from the CEO on issues relating to ACS core values of safety and DEIR, membership, financials, the ACS Institute, strategic initiatives, and upcoming events and activities. Notably, the strategic initiatives include funding of up to \$50 million over five years for sustainability, fostering a skilled technical workforce, accelerating digital research data projects, and accelerating life sciences growth. ■



BOB SYVRET

ASSETS (actual as of 31 March 2023) (\$) as of March 31, 2022 (\$) as of March 31, 2023

Wells Fargo Bank Account	\$11,069	\$61,384
Long-term Investment Accounts	\$203,321	152,413
TOTAL ASSETS	\$214,390	\$213,797
Percent Change		-0.3%

The Division's total assets have decreased approximately **0.3%** over the course of the 12-month period ending March 31, 2023.

2022 FINANCIAL HIGHLIGHTS:

> In 2022 the Division provided 2 Moissan Summer Undergraduate Research Fellowships in the amount of **\$5,000** each to Professor Socrates Munoz at Kansas State University, Manhattan, Kansas and Professor Jean-Denys Hamel at the University of Lethbridge, Lethbridge, Alberta.

> The Division sponsored the **2023 ACS Award for Creative Work in Fluorine Chemistry** at a cost of **\$17,000**.

> The Division provided **\$596** to cover virtual registration fees for participation of Division members in the Fall ACS Meeting held in Chicago.

2023 FINANCIAL HIGHLIGHTS TO DATE AND OUTLOOK FOR 2023:

> The Division has provided **\$4,161** to date to cover initial expenses for the 26th WFC held in January, 2023. Final balance to be determined once all accounts have been rectified.

of **\$5,000** each to Professor Dave Vicic at Lehigh University, Bethlehem, PA, and Professor Markus Etzkorn at UNCC, Charlotte, NC.

> The Division has provided **2** Moissan Summer Undergraduate Research Fellowships in the amount

> The Division will sponsor the **2024 ACS Award for Creative Work in Fluorine Chemistry** at a cost of **\$17,000**. ■

(SPONSORED BY THE ACS DIVISION OF FLUORINE CHEMISTRY)

2023 ACS NATIONAL AWARD FOR CREATIVE WORK IN FLUORINE CHEMISTRY

DR. VIACHESLAV (SLAVA) PETROV, Research Fellow, The Chemours Co., Thermal and Specialized Solutions Division, CDH, Newark, DE has received the **2023 National ACS Award for Creative Work in Fluorine Chemistry** from the American Chemical Society.



Dr. Viacheslav Petrov started his professional carrier in 1978 as Research Associate in the Institute of Organo-Element Compounds (INEOS) Academy of Science USSR, Moscow, USSR, in the Laboratory of Organofluorine Compounds, headed by academician I. L. Knunyants and later by Professor L. S. German. He received his Ph.D in organic chemistry from INEOS in 1983. In 1989 he joined the group of Professor D. DesMarteau at the Chemistry Department of Clemson University, where he spent over two years, before he joined DuPont Co. in 1992, where he spent over twenty years in the Central Research and Development (Wilmington, DE). In 2015, after spinoff the Fluoroproducts Business by DuPont Viacheslav moved to the Chemours Co., where he held a position of Research Fellow in the TSS Division. He retired from Chemours in April of 2023, but continues to work as a consultant.

His research interests are focused on synthetic methodologies for the preparation of polyfluorinated materials such as polyfluorinated functionalized olefins, imidoyl fluorides, small heterocycles (oxaziridines, aziridines, epoxides and oxetanes) and polyfluorinated monomers and sulfur containing heterocycles. Dr. Petrov is author and co-author of over 130 papers, 5 review articles, one book and 87 European and US patents.

Currently he serves as a member of the Editorial Board of the Journal of Fluorine Chemistry. In 1998 he received the Harry Emeleus Prize for Creativity in Fluorine Chemistry by the Elsevier Science, in 2017 Dr. Petrov was awarded the Distinguish Service Award by the Division of Fluorine Chemistry of ACS and became the ACS Fellow. Viacheslav became 2023 recipient of the ACS National Award for Creative Work in Fluorine Chemistry. ■

PROFESSOR GARY J. SCHROBILGEN RECEIVES THE BLAISE PASCAL MEDAL OF THE EUROPEAN ACADEMY OF SCIENCES (EURASC)

PROFESSOR GARY J. SCHROBILGEN (Department of Chemistry & Chemical Biology, McMaster University, Canada) was awarded the **2022 Blaise Pascal Medalist in Chemistry**. The medal was presented to Prof. Schrobilgen in a ceremony at the Annual Meeting of the EurASc held at the Fondation Universitaire, Brussels, Belgium, October 24-25, 2022 by Prof. Pierre Braunstein (University of Strasbourg), Head of the Chemistry Division.



Photo courtesy of Professor Santiago Álvarez

The award recognizes Prof. Schrobilgen's contributions to advances in the field of fundamental synthetic-structural inorganic chemistry. The originality and the great scope of his discoveries, associated with the elegance of his synthetic approaches, experimental challenges of the field, and the accuracy of the physical-chemical characterizations are earmarks of Prof. Schrobilgen's scientific contributions. He is recognized worldwide for his expertise in fluorinated main-group element and transition-metal compounds which includes extensive contributions to the chemistries of the noble-gas elements, krypton and xenon, and chemical species in very high oxidation states.

In conjunction with his award, Prof. Schrobilgen delivered an address entitled "Chemistry at the Edge of the Periodic Table", in which he highlighted several of his most recent and significant discoveries in the fields of noble-gas chemistry and fluorine chemistry. ■

2023 ACS DIVISION OF FLUORINE CHEMISTRY DISTINGUISHED SERVICE AWARD IN FLUORINE CHEMISTRY



DR. OLGA V. BOLTALINA, ACS Fellow, from the Department of Chemistry, Colorado State University was honored with the **2023 Distinguished Service Award in Fluorine Chemistry** for her distinguished service to the ACS Division of Fluorine Chemistry. Olga received the award at the award ceremony during the 26th Winter Fluorine Conference at Hyatt Regency Clearwater Beach Resort, Clearwater, FL, January 8-15, 2023.

Olga Boltalina received her M.S. (1982) and Ph.D. (1990) degrees in Physical Chemistry from Lomonosov Moscow State University (MSU), Russia. She earned her D.Sci. degree (i.e., Doctor Nauk (aka Habilitation)) from MSU in 1998 and a title of Professor of Physical Chemistry in 2005. She moved to the USA in 2001, and continued her career as a Senior Research Scientist (Scholar III) in the Department of Chemistry at Colorado State University. Prof. Boltalina has published over 280 peer-reviewed papers, 6 reviews and 5 book chapters and

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DISTINGUISHED SERVICE AWARD IN FLUORINE CHEMISTRY *Continued from p. 6*

coauthored several patents. Her research interests include synthetic and physical chemistry of fluorinated carbon nanostructures and their applications as organic acceptor materials in optoelectronics and biomedical research. She has received the MSU Lomonosov Prize, an Alexander von Humboldt (AvH) Freidrich Bessel Award, and AvH Research Fellowships, a Japan Society for the Promotion of Science Fellowship, Royal Society author award, and Royal Society of Chemistry Research Awards (UK), in 2022 she was named the ACS Fellow, and received the ACS Fluorine Division Distinguished Service Award. Olga organized numerous Electrochemical Society and ACS symposia over the past 25 years, she served as a Program Chair of the 19th International Symposium on Fluorine Chemistry. She is a member of the executive committees of Nanocarbon Division in the ECS and that of the Fluorine Division in the ACS; in 2019-2021 she served as a Program Chair, and in 2022 – Chair of the ACS Division of Fluorine Chemistry. ■

2023 ACS DIVISION OF FLUORINE CHEMISTRY DISTINGUISHED SERVICE AWARD IN FLUORINE CHEMISTRY

DR. SCOTT T. SHREIBER, received the **2022 ACS Division of Fluorine Chemistry Doctoral Thesis Award** in the award ceremony during the 26th Winter Fluorine Conference in Clearwater Beach, Florida.



Scott began his academic journey at Lock Haven University where he earned his B.S. *summa cum laude* in Chemistry in 2018. Concurrently, he worked at Avery Dennison Performance Polymers on new pressure sensitive adhesives. During his undergraduate studies in 2017, Scott was selected to participate in an NSF REU at Montana State University, working with Prof. Sharon Neufeldt, where he received his first taste of organometallic chemistry. In the summer of 2018, he started his graduate career at Lehigh University and joined the laboratory of Prof. David Vicic. His graduate work focused on the fundamental chemistry of new fluoroalkyl copper, cobalt, and nickel complexes with the goal of developing new fluoroalkylation strategies. Scott defended and earned his Ph.D. in the spring of 2022, and during his four years at Lehigh, published 9 first-author papers. Scott then moved to Philadelphia where he was a Postdoctoral Research Associate at the University of Pennsylvania in the group of Prof. Gary Molander. His postdoctoral work developed new visible-light-induced synthetic

methodologies. In 2023, Scott began his industrial career as a Sr. Product Development Chemist at Adhesives Research in Glen Rock, PA, where he currently works in the Healthcare Group developing new adhesives. ■

MOISSAN SUMMER UNDERGRADUATE RESEARCH FELLOWSHIPS (SURF)



TWO FELLOWSHIPS WERE AWARDED FOR THE YEAR 2023:



JAMIE C. THUAN, Project: *From “simple” polycyclic hydrocarbon scaffolds to selectively fluorinated cage compounds: Synthesis, characterization, and reactivity of novel fluorocages* | Supervisor: Prof. Markus Etzkorn | James is a senior (B.S. chemistry) this coming academic year in the College of Liberal Arts and Sciences at University of North Carolina, Charlotte, NC.



SHANE HALL, Project: *Developing Homogeneous Catalysts for Repurposing Refrigerants* | Supervisor: Prof. David A. Vicic | Shane is going to be Junior (B.S. Chemistry) in the Department of Chemistry at Lehigh University, Bethlehem, PA.

— CONGRATULATIONS TO JAMIE AND SHANE! —

CALL FOR NOMINATIONS

ACS DIV. OF FLUORINE CHEMISTRY DOCTORAL THESIS AWARD

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DEADLINE:
SEPT 1, 2023
—

The ACS Division of Fluorine Chemistry Doctoral Thesis Award acknowledges an outstanding doctoral student each year for excellence in conjunction with her/his doctoral research in any area of fluorine chemistry. The doctoral thesis may be written in any language. The Doctoral Thesis Award will be given to a worthy candidate regardless of the candidate's nationality and country from which the thesis originated. The doctoral student must be nominated by the student's doctoral supervisor. The nominating supervisor must hold concurrent memberships in the American Chemical Society and the ACS Division of Fluorine Chemistry.

The nomination must include (1) an electronic copy of the thesis, (2) an English abstract of the thesis, and (3) a nomination letter from her/his supervisor that (a) provides the date of the thesis defense, (b) a statement relating to the significance and (c) the quality of the student's the doctoral research work, and (d) a list of publications that have thus far resulted from the student's doctoral research work.

The nomination deadline is September 1 of the year in which the award is presented; the student must have successfully defended the doctoral thesis during the preceding 12 months (Sept 1 of the previous award year to August 31 of the present award year) to be eligible for the award in that year. Students who defend after September 1 are eligible for the Award in the following year. All nominations must be submitted electronically to Thomas Mathew, the Chair of the ACS Division of Fluorine Chemistry: tmathew@usc.edu.

The awardee will receive (1) a certificate, (2) one-year registration as a full ACS and ACS Division of Fluorine Chemistry member, (3) an invitation to present a lecture at the next ACS Winter Fluorine Conference, and (4) a cash award of \$300 US. In the event the student is already an ACS Member (and/or an ACS Division of Fluorine Chemistry Member), the membership fee(s) will be added to the cash award. ■

CALL FOR NOMINATIONS

ACS DIV. OF FLUORINE CHEMISTRY UNDERGRADUATE RESEARCH AWARD

—
NOMINATION DEADLINE:
ROLLING
—

The ACS Division of Fluorine Chemistry Undergraduate Research Award recognizes outstanding undergraduate research students each year for excellence and achievement in any area of fluorine chemistry at his/her home institution. A maximum of one award will be given per qualifying institution worldwide in a given year.

The undergraduate student must be sponsored by a faculty member at his/her home institution (B.A. and/or B.S. awarding). The faculty sponsor must be a member of the American Chemical Society Division of Fluorine Chemistry. Only one nomination per institution may be submitted for consideration, and only one nomination is allowed during an academic year.

The nomination must include a brief letter of support from his/her sponsor and/or supervisor commenting on the quality of the student's research and performance in coursework.

Eligible students can be at any stage during their undergraduate careers. Awardees will receive a certificate and are limited to one and only one during their course of undergraduate study. All nominations must be submitted electronically to Dr. Thomas Mathew, the Chair of the ACS Division of Fluorine Chemistry: tmathew@usc.edu.

ACS DIVISION OF FLUORINE CHEMISTRY 26TH WINTER FLUORINE CONFERENCE



DAVID VICIC

Our Division held the 26th Winter Fluorine Conference in Clearwater, FL on January 8–13, 2023. The conference Chair David Vicic (pictured at left) and the Co-Chair Thomas Mathew brought together a diverse array of speakers from the international community to showcase the latest developments in fluorine chemistry. Despite challenging economic times, there was a healthy mix of approximately 150 registrants of all age groups from academia and industry with 71 oral presentations and 24 posters. Great collegial times continue to be had at this flagship event, especially at the legendary Hospitality Suite!

HIGHLIGHTS FROM THE 26TH WINTER FLUORINE CONFERENCE



DANIEL HERCULES (Innovative Chemical Technologies) receives special recognition for outstanding contribution as Webmaster



GREGOR HEINRICH (Ruhr-Universität Bochum, Germany) 19F-qNMR as universal screening tool: Methodology, guideline and application to reaction optimization (Supervisor: Lukas Gooßen)



BJORN N. KOCH (Philips Universität Marburg, Germany) High pressure fluorine chemistry and crystal structure of $(O_2)_2Hg_2F[SbF_6]_5$ (Supervisor: Florian Kraus)



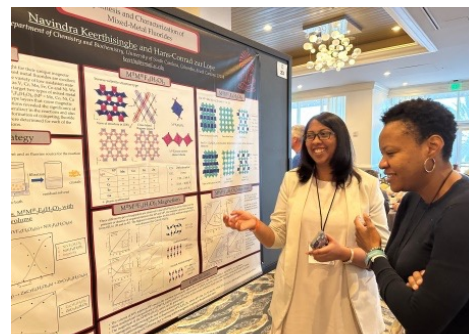
VINCENT MASTALERZ (Université Laval, Québec, Canada) Synthesis of pentafluorosulfanylated organic compounds by Kolbe-type decarboxylative electrochemical cross-coupling (Supervisor: Jean-Francois Paquin)



XAVIER BERTRAND (Université Laval, Québec, Canada) Synthesis of tertiary alkyl fluorides by hydrofluorination of alkenes and deoxyfluorination of alcohols (Supervisor: Jean-Francois Paquin)



THOMAS LOUIS-GOFF (University of Hawaii at Mānoa, USA) Synthesis and reactivity of novel hypervalent trifluoromethyl organobismuth complexes in catalytic olefin difluorocarbene insertion (Supervisor: Jakub HvyI)



26TH WINTER FLUORINE CONFERENCE BANQUET AND THE POSTER SESSION

ACS DIVISION OF FLUORINE CHEMISTRY 27TH WINTER FLUORINE CONFERENCE

The 27th Winter Fluorine Conference will take place at Hyatt Regency Clearwater Beach Resort, Clearwater, FL, during the first week of January 2025 (tentative dates 5th-10th). Early registration starts in late July/early August 2024. Details regarding the registration fee, abstract submission, hotel reservation, etc. will be available by January 2024 in the 27th WFC website: winterfluorineconference.com. For questions or additional information, please contact the conference organizers.



Technical programming areas will include:

- > Organic and Bioorganic Fluorine Chemistry
- > Inorganic Fluorine Chemistry
- > General Fluorine Chemistry
- > Industrial Fluorine Chemistry
- > Physical Fluorine Chemistry

We are looking forward to seeing all of you in Florida in January 2025.

Conference Organizers:

THOMAS MATHEW
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