Advances in Chemical Sciences Symposium

NESACS 2024 Election

Ashdown Chem Exam Winners

Education Night Awards

Featured Speaker:
LaTrease E. Garrison, CEO of the American Chemical Society
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EDUCATION NIGHT

The 1,030th Meeting of the Northeastern Section of the American Chemical Society

You Have to See It Before You See It

May 16th, 2024

Link to Register:
https://zoom.us/meeting/register/tJErceuvqjksHNRLRMKGVWbPgSc_ozOF4oM4

Meeting Agenda:
6:30 PM
Meet and Greet before the ceremony

7:00 PM
- Thomas Gilbert, NESACS Chair-Elect presiding
- Address by LaTbrease E. Garrison, ACS Chief Operating Officer
- Awards Presentations: College Students and Faculty

ABSTRACT

Children find it very easy and enjoyable to consider what the possibilities might be through their imagination. Children dream about and sometimes role play as if they are living in the future. But as we mature, we often find it difficult to imagine because we are looking for the exact answer to questions like the exact answer to questions such as: Where will I work? Who will I marry? Where will I live?

However, if we seek to see it before we see it, we will find that the possibilities are endless. ‘Seeing it’ involves leveraging resources which can come in the form of people, opportunities, and organizations. ‘Seeing it’ involves stepping out of one’s comfort zone to try something new. ‘Seeing it’ is being confident in one’s abilities. Life’s journey is full of possibilities, but we have to see them before we see them.
Featured Address:
LaTrease E. Garrison, Chief Operating Officer of the American Chemical Society

Biography: LaTrease E. Garrison, the Chief Operating Officer of the American Chemical Society, received her BS in chemistry from Howard University and completed her MBA degree at Strayer University, where her research focused on succession planning for the non-profit organization. She received her certificate in diversity and inclusion from Cornell University. She joined ACS in 1992 as a Program Assistant for Chemical & Engineering News magazine. In 1996, she moved to the Education Division where she held several positions including Senior Program Manager of Undergraduate Programs. In 2005 Ms. Garrison was appointed to the position of Special Assistant to the Director of the Education Division. She previously served as the Assistant Director of the Member Communities/Department of Volunteer Support and Director of the Administrative and Programmatic Technology group and the Professional Advancement Team. LaTrease was the Executive Vice President for Education from 2016—2020 and Executive Vice President for ACS Education, Membership and Scientific Advancement from 2020-2022. She has served as staff liaison to various ACS Committees and Task Forces and is a trained facilitator for courses within the ACS Leadership Development System.

In her current role, LaTrease provides strategic direction and oversight for the Washington Information Technology unit; the Office of Philanthropy; ACS Membership; ACS Education; ACS Scientific Advancement; Meetings and Events; and, global society engagement. LaTrease is a Co-Principal Investigator, NSF INCLUDES Alliance: Inclusive Graduate Education Network (NSF 1834545) where the ACS Bridge Project was established to increase the number of underrepresented students receiving PhDs in the chemical sciences.

She is a member of Alpha Kappa Alpha Sorority, Inc., the American Chemical Society, the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers and an active volunteer at her church.
EDUCATION NIGHT | AWARDS

**College and University Awards**

Ruth Tanner, University of Massachusetts Lowell, Acting Chair, Education Committee, NESACS

**Grants in Aid:** Travel grants to attend the 267th ACS National Meeting in New Orleans, LA and to present a paper at the Undergraduate Research Poster Session in the Division of Chemical Education

Norris Richards Undergraduate Summer Research Scholarships: Research Awards for the summer of 2024 for a minimum commitment of 10 weeks of full-time research work.

Phyllis A. Brauner Memorial Book Award for the best talk by an undergraduate at the Northeast Student Chemistry Research Conference (NSCRC)

**High School Awards**

Steve Lantos, Brookline High School Chair, High School Education Committee, NESACS

Avery A. Ashdown High School Chemistry Examination Contest
The High School Committee continues to oversee the two competitive chemistry examinations offered to section secondary students: The Avery Ashdown Exam (53rd year) and the United States National Chemistry Olympiad (USNCO, 40th year). Typically, over 16,000 students nationwide take some form of the local section exam each year in early April. From this entry-level group, the ACS has allotted a fixed number of students to qualify for the next round of competition, the USNCO. Thanks to Ron Ragsdale of the University of Utah who has been involved with the USNCO from its beginning in the mid-1980s to mid-2021, the ACS uses a federated system whereby the number of qualifying students in a section is based on its ACS membership. Given the considerable number of members of NESACS, we are allotted one of the larger groups of qualifiers (20 participants as of 2024).

Simmons University Prize
This cash award is given annually to the top scorer of the Avery A. Ashdown Exam. The award is presented by a member of the Simmons University Chemistry Dept.

Aula Laudis Society
The Aula Laudis Society recognizes outstanding High School Chemistry Teachers from within the Section. The award is a NESACS Hall of Fame for high school teachers who have made distinguished contributions to secondary chemical education. The evaluation of nominees is based on their students’ performance in chemistry competitions, past recognition that honors their teaching, involvement in students’ extra-curricular activities in chemistry, and enthusiastic feedback from past students and colleagues. Typically two inductees are awarded every year.

Theodore William Richards Award
The Theodore William Richards Award for Excellence in Teaching Secondary School Chemistry honors a teacher in the Northeastern Section who, through innovation and dedication, has inspired potential chemists, has communicated chemistry to non-chemists, or has influenced other teachers of chemistry. The selected teacher is officially honored at the Section’s May meeting (“Education Night”) and receives both a $1,500 prize and a Certificate of Recognition.
Registration now OPEN for the 12th Annual

Advances in Chemical Sciences Symposium
Alkermes, Inc., 900 Winter Street, Waltham, MA
Friday, April 26, 2024, 8:00 AM-6:00 PM

A day-long symposium focused on Medicinal Chemistry, Organic Synthesis, and Methodology, featuring eminent scientists from industry and academia.

Symposium Speakers

Prof. Brian Kobilka, Stanford University, Nobel Laureate
Prof. Sloan Devlin, Harvard Medical School Chemical Biology
Johnny Bennett, Merck
Maria-Jesus Blanco, Atavistik Bio
Nicolas Soldermann, Novartis
Prof. James Morken, Boston College

Additional Symposium Details

Event Includes: A day-long vendor exhibition space & closing networking reception
Symposium registration fee: $75; Students: $25
Symposium Location: Alkermes, Inc., 900 Winter Street, Waltham, MA
Event Website with Registration Links: https://nemedchem.org/conference

There will be no walk-in registrations, all tickets need to be purchased in advance through the portal.

If you need additional details, please contact any of the Organizing Committee:
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A Wicked Smaht Choice!

Looking for a Spring 2025 meeting closer to home? You’ve found it. Pittcon 2025 | Boston, March 1-5

Submit Your 2024 Proposal – Submission Deadline July 1, 2024
We are now accepting proposals for Invited Symposia and Organized Contributed sessions that align with our program tracks.

The Pittcon Program Committee is looking for key things:
• Research and innovations that are timely and relevant
• Diverse speaker lineup (industry, government, academia, entrepreneurs, experienced scientists, rising scientists, gender, racial, ethnic, etc.)
• Emphasis on fundamental and/or applied research while avoiding sales pitches.

The session descriptions that more strongly make the case in these three areas will have the best chance for a high-profile spot in the technical program.

For inquiries and proposal submissions, please visit pittcon.org/call-for-participation
NESPACS 2024 Election
Candidate Statements

Chair-Elect
Chair-Elect Candidate 1
Scott Edmondson

Education: AB, Cornell University, 1991; PhD, The Ohio State University, 1996; NIH Postdoctoral Fellow, Columbia University, 1998.

Professional Experience: Director, Medicinal Chemistry, Merck Research Laboratories (NJ), 1998-2016; Director and Head of Boston Oncology Chemistry, AstraZeneca (Waltham, MA), 2016-2020; Senior Vice President of Chemistry, Nimbus Therapeutics (Boston, MA), 2020-present.


ACS National Meeting Session Chair – CCK Receptor Modulators


Statement:
It would be my honor to serve as the Chair Elect for the Northeast Section of the American Chemical Society (NESACS) – one of the largest ACS divisions in the country. I am committed to bringing energy, organization, leadership, new ideas, high quality science education, and a philosophy of diversity and innovation to NESACS. We can revive interest and enthusiasm in NESACS and the larger ACS community through broadening our outreach not only through education around different sub-fields of chemistry but also through geographies beyond the Northeast. Over the past several years, membership in NESACS in addition to the National ACS, have been declining. We can reverse this trend by embracing the diversity of research and scientific ideas within, and outside of, our field. I will continue to bring science and networking opportunities to our community through our popular local, in person, symposia such as the annual Advances in Chemical Sciences Symposium. These full day and half-day symposia, and the receptions that accompany them, offer a unique opportunity for our local scientists to socialize, to network, and to share top notch science in our thriving Boston-area community. As a co-organizer of many of these symposia, I’ve learned that a greater diversity of topics has consistently garnered greater interest in our local community. For example, the highly popular NESACS supported ‘Chemical Biology in the Hub’ series has augmented our outreach and led to increased interest and participation in NESACS. A major objective for me as Chair Elect will be to continue to build on this spirit of diversity by hosting speakers for symposia from diverse sub-fields of chemistry. By embracing technology tools such as Zoom and by getting the word out on LinkedIn, we can also reach a broader range of chemists in the Northeast and beyond. I’m proud of the work we did on the medicinal chemistry committee from 2020-2022 when we sponsored a webinar series that kept us engaged in the Northeast scientific community even while we were isolating due to COVID. This popular free webinar series succeeded in bringing science to our desktops while also giving our local talent broader public exposure. We can reach a greater audience, and we can bring high
quality science from across the country to us, by using these tools more effectively in the future. In addition to outreach to broader geographies, I will also encourage and sponsor opportunities to combine more diverse sub-fields of chemistry to foster greater innovation. The strategy to increase innovation through the combination of diverse fields has been successful since the renaissance when the Medici family sponsored an explosion of innovation through the combination of art and science. Indeed, this tradition continues today through popular TED talks which have helped rekindle an interest in science and technology for the next generation of scientists. NESACS can join this movement by partnering with local industry and academic institutions who are also pursuing outreach around the US and the world. I firmly believe that by broadening our horizons, we will re-ignite enthusiasm and participation in NESACS and the broader ACS.

Additionally, I will encourage NESACS to get more involved in our local communities through outreach to area elementary schools and high schools to increase enrollment, and diversity, in STEM in the coming decades. Together, we will help build a stronger foundation for future generations. Our discipline and our common love of chemistry can serve to bring our scientists together for the common cause of an overall improvement in quality of life. NESACS can continue to foster this philosophy by increasing innovation, diversity of thought, and by building a stronger foundation of chemists for years to come.

**Chair-Elect Candidate 2**

**Lipin Ji**

**Education:**

2013, B.E. Pharmaceutical Engineering, East China University of Science and Technology, China; 2015, M.S. Medicinal Chemistry, Northeastern University; 2021, Ph.D. Medicinal Chemistry, Northeastern University.

**Professional Experience:**

2021-present, R&D chemist III, MAKScientific, Burlington, MA.

**NESACS and ACS Service:**

- 2023-present, Social Chair, ACS PROF
- 2023-present, alternate-councilor, NESACS
- 2023-present, YCC Liaison of GEX committee, NESACS
- 2022-2023, Graduate Activity Committee, NERM 2023 organizing Committee, NESACS
- 2020-2023, career chair, chair-elect, chair and immediate past chair of NSYCC, NESACS

**Honors:**

- American Chemical Society Leadership Development Award, 2021
- PhD Academic Technology Scholar, 2020
- International Cannabinoid Research Society Student Travel Award, 2019
- Northeastern University PhD Network Travel Award, 2019;
- Best Poster Presentation Award, Northeastern University, 2018;

**Statement:**

I am deeply honored to be considered for the role of Chair-Elect of the Northeastern Section of the American Chemical Society (NESACS). My journey with NESACS began with the Younger Chemist Committee (NSYCC), where I initially engaged in a “Program-In-A-Box” event on campus. Over the past five years, I’ve dedicated myself to volunteering for NSYCC, working alongside fellow members to cultivate a vibrant YCC community in the greater Boston and New Hampshire area. Our collaborative efforts have led to the organization of numerous workshops, symposiums, and student conferences, garnering national recognition with nominations and awards such as the Chemluminary Award for Outstanding Local Section YCC.

Expanding beyond my YCC responsibilities, I’ve deepened my involvement within NESACS and ACS PROF. Notably, I played a key role in coordinating four successful co-hosted events during NERM2023, including a career luncheon, social gatherings, lightning talks, and an Early Career Showcase, all of which received high attendance and positive feedback. Additionally, I’ve contributed to hosting German
exchange students as the YCC Liaison of the GEX committee, and I’ve been involved in supporting Project SEED. In terms of ACS PROF, I’ve assisted in posting events and designing graphics on social media platforms last year. My recent experience as an alternate-Councilor for NESACS in New Orleans provided invaluable insights into the governance of ACS and the initiatives shaping its future.

As a candidate for NESACS Chair-Elect, I am committed to leveraging my skills and experience to further our mission of supporting, advancing, and empowering our members. In the summer of 2023, in collaboration with dedicated volunteers of NESACS, a strategy plan was developed, focusing on enhancing diverse member engagement, outreach, and educational initiatives for both students and professionals. My plan involves closely following up with all champions and co-champions of specific strategies to provide support and ensure their successful execution.

Over the past five years, NESACS has observed a slight decrease in membership annually. I believe that NESACS can and should do more locally to enhance the value of ACS membership for our members. To address this, I propose leveraging our different subcommittees to encourage greater attendance of students and postdocs at our monthly meetings. Currently, most of our events are hosted during workdays, making them difficult for many young professionals to attend. I suggest co-hosting events with NSYCC or other subcommittees on different days and times to increase accessibility for various segments of our member base.

Moreover, attracting industry members has been a recurring topic in our membership discussions. I am pleased to note that the long-vacant Professional Relations Committee chair has been filled, and events are underway. I intend to collaborate closely with the chair, other NESACS board members, and ACS national to deliver valuable programming tailored to our industry members.

Thank you for considering my candidacy. I am sincerely grateful for your support, and I am eager to contribute to the continued success of NESACS.

Treasurer

Treasurer Candidate 1
Lael Cheung

Professional Experience:

ACS Service: Jan 2017 to Nov 2019: Treasurer; Nebraska Section of the American Chemical Society (District V, Section 514); ACS member since Oct 2001.

Relevant Memberships:
American Association for Cancer Research (AACR) member since Jan 2011.

Statement: I would be honored to serve as Treasurer for NESACS and help in our mission to cultivate an inclusive and empowered community of chemists for the betterment of society. I hope to draw from my previous experiences as Treasurer for the ACS Nebraska Section to ensure financial prudence in NESACS’ operations, while enabling us to explore innovative ways to engage with our community using chemistry and other STEM disciplines.

Having worked in both lab and non-lab roles, I would encourage discussions within NESACS about ways to help our members grow intellectually and professionally from their passion for chemistry, including strategies for adaptation and resilience during times of economic uncertainty. Thanks in advance for your time and consideration.

Trustee

Trustee Candidate 1
Natalie A. LaFranzo

Northeastern Section. The LINUS Group. Boston, MA.

Academic Record:
Bradley University, B.S., 2007; Washington University, Ph.D., 2013.

Honors:
Materials Institute for Solar Energy and Environment Travel Award, 2012; ACS Younger Chemists Committee Leadership Development Award, 2011; Graduate Assistance in Areas of National Need Fellowship, 2009-10; Washington University Chemistry Departmental TA Award, 2008; United States Department of Agriculture National Center for Agricultural Utilization Research, Next Generation Award Recipient, 2006; Bradley University College of Liberal Arts and Sciences Intern of the Year, 2006.


Service in ACS National Offices: Board of Directors, Director at Large, 2022-date; Board Committee on Public Affairs and Public Relations, 2024-present; Board Committee on Professional and Member Relations, Member, 2022-2023; Committee on Budget and Finance, Chair, 2023-present; Member, 2020-23, Committee Associate, 2019; Diversity, Equity, Inclusion, and Respect Advisory Board, 2016-18, 2020-21, Chair, 2020-21; Younger Chemists Committee, 2015-18, Chair, 2016-18, Committee Associate, 2013-14; Task Force on Governance Design, 2017; Chemical Innovation and Entrepreneurship Council, 2014-16.


Member (current): Member ACS since 2007. Association for Women in Science; American Association for the Advancement of Science; International Union of Pure and Applied Chemistry; Society for Immunotherapy of Cancer. ACS Division(s): Biochemical Technology; Business Development and Management; Professional Relations; and Small Chemical Businesses.

Related Activities: Director, STEMpowerment Coaching, Inc. 2022-date. International Younger Chemists Network, International Society Liaison Team Co-Lead, 2019-2020; Younger Chemists Chemical Innovation and Entrepreneurship Council, 2014-16; The Biotechnology and Life Science Association Foundation, Idea Supporter, 2014 to date; organized various networking and professional development events at the local, national, and international level, including a ‘Crash Course in Professional Development’ at the inaugural Atlantic Basin Conference on Chemistry; published multiple op-ed pieces on precision medicine and professional development, including a chapter in the ACS Book on Addressing Gender Bias in Science & Technology.

Statement: I am honored to be nominated to serve in the role of Trustee for the Northeastern Section of the ACS. Since arriving in the Boston area in late 2019, I have been in awe of the history, passion, and impact of the Section. My roles within both the St. Louis Section, where I lived previously, combined with my active volunteerism on the National and International level have provided me with a strong understanding of ACS’ mission, vision, and organizational structure. It would be a privilege to leverage my professional and volunteer experience and work alongside the other Trustees with NESACS leadership to ensure the sustainability and optimization of financial resources for the future.

Trustee Candidate 2
R. Christian Moreton


Professional Experience: I am currently a self-employed consultant in the pharmaceutical sciences, including drug delivery, formulation and process design and development, and excipients (since 2007). Prior to becoming a consultant, I spent approximately 35 years working in the pharmaceutical industry,
mainly in drug formulation and process design and development from preclinical through to commercialization for both large and small innovator companies, and generic companies. I have worked in the United Kingdom, Sweden, Canada and the United States. I also worked for nine years for an excipient and drug delivery company in various roles culminating in being appointed head of QC, QA and Regulatory Affairs. I am a Visiting Tutor/Lecturer at the University of Manchester (UK) on their Pharmaceutical Industry Advanced Training (PIAT) distance learning program. I am also an Expert Volunteer with the United States Pharmacopeia (USP) (since 2000), and am currently a member of the USP Council of Experts.

**ACGS Service:** None.


**Memberships:** American Chemical Society (since 1996), American Association for the Advancement of Science (since 1996), American Association of Pharmaceutical Scientists (since 1995), Parenteral Drug Association (since 2015), International Society of Pharmaceutical Engineers (since 2007), Royal Pharmaceutical Society of Great Britain (since 1972), Royal Society of Chemistry (since 2010). Institute of Materials, Minerals and Mining (via Institute of Packaging) (since 1979), ACS Divisions: Analytical Chemistry, Colloid & Surface Chemistry, Polymeric Materials Science & Engineering,

**Honors:** United States Pharmacopeia Jacob P. Bigelow Award for Outstanding Contributions to the Standards by a USP Expert Volunteer, 2018.

**Statement:** I am honored to be standing as a candidate for the position of Trustee of the Northeastern Section of ACS. If elected, I will work to maintain the sound financial position of the Section so that it can continue to support ACS and its members both locally and nationally. In addition, I will work to support the missions of the Section, particularly with regard to the organization of symposia relevant to its members, the awards, STEM education, and inclusivity and diversity.

**Trussee Candidate 3**

**Michael Singer**

**Education:**
- B.S., State University of New York at Stony Brook (1986)
- M.S., Brandeis University (1988)
- Ph.D., Brandeis University (1993)

**Professional Experience:**
- Post-Doctoral Research Associate, Organix Inc. 1991-1994
- Senior Scientist, ArQule Inc. 1994-1996
- Group Leader, Automated Combinatorial Synthesis, ArQule Inc. 1996-2001
- Group Leader, Drug Discovery Research and Development, MilliporeSigma (formerly Sigma-Aldrich) MA 2001-2007
- R&D Manager, MilliporeSigma, MA 2008-2022
- Project Manager, MilliporeSigma, MA 2022-present

**NESACS Service:**
- Alternate Councilor – NESACS 2002-2004, 2020
- Board of Directors NESACS 1993-present
- Secretary-NESACS 1998-2023
- Medicinal Chemistry Group (MCG) 1991-2001

**ACGS Service:**
- ACS Joint Board-Council Committee on Chemical Abstracts Service
  - Associate member 2004
  - Member 2005-2007
- Local Section Activities Committee
  - Associate Member 2007
  - Member 2008 – 2013
- Meetings and Expositions Committee
  - Associate Member 2014
  - Member 2015-2019

**Professional Recognition:**
- ACS Fellow – 2015
- Henry Hill Award – 2008

**Statement:** During my 25 year tenure as Secretary for the NESACS, I have worked closely with the Board of Trustees with regard to the NESACS budget and proposals for funding locally focused special programs. As Trustee, I would have two priorities. First, to grow the NESACS Trust fund. Secondly, to wisely invest the Trust proceeds in programs targeted towards public outreach of the NESACS for the profession of
Chemistry. For every good outreach program, funding is often required.
I would bring to the Board of Trustees, my historical knowledge of the NESACS spending and a strong desire to increase the public outreach of the NESACS for the role of Chemistry and Chemists in our world.

Trustee Candidate 4
Ashis Saha

Education: Ph.D. (Organic Chemistry), University of Michigan, Ann Arbor; Post doctoral fellow: University of California, Berkeley (Bioorganic/RNA Chemistry).

Chemistry & ACS Service:

Statement: I gained tremendous leadership skills and expertise in financial jurisprudence, accounts management and investments for long term capital growth while serving as treasurer at NESACS and at the treasurer role in ACS Division of Organic Chemistry. I worked with Morgan Stanley and other global investment firms towards custodial responsibility, growth and appropriate utilization of financial resources. I am fortunate to have worked alongside NESACS board of trustees including dozens of investment oversight meetings with our principal fund manager. We need to do more to continue/improve the growth curve such that NESACS can make the best possible use of these resources towards sustaining the rich culture of programs, symposiums and scholarships and encouraging/developing the next generation of local section leaders. I appreciate the nomination to serve in the role of NESACS Trustee. I commit to work diligently alongside the other Trustees and NESACS leadership to serve our membership to the best of my ability.

Director-at-Large
Director-at-Large Candidate 1
Brian Aquila

Education: B.S., John Carroll University, University Heights, OH, 1989; M.S., John Carroll University, University Heights, OH, 1995; Ph.D. The Ohio State University, Columbus, OH, 1997; Postdoctoral Research Associate, The Scripps Research Institute, La Jolla, CA, 1997 – 1999.

Professional Experience:


Mentoring Experience: Starting in graduate school, I have proactively mentored more junior students and colleagues. I initiated organic mechanism clubs at The Ohio State University and The Scripps Research Institute. Upon entering industry, I continued the practice of mentoring colleagues across

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disciplines at both AstraZeneca and Alkermes. In 2024, I participated in the mentoring program at The Scripps Research Institute.

**ACS Service:** Northeastern Section of the American Chemical Society, Medicinal Chemistry Section (2017 – present). Hosted the NESACS Medicinal Chemistry Division, Advances in Chemical Sciences Symposium at Alkermes, Waltham, MA in 2022 and in 2024.


**Recent Professional Presentations:** Designing Long Acting Injectable Prodrugs of Naltrexone: Sometimes Brick Dust is a Good Thing (speaker), Gordon Research Conferences, Heterocyclic Compounds, June 2022, Salve Regina University, Newport, RI; Design and Evaluation of Naltrexone Prodrugs as Long-acting Injectables for Treating Addiction (speaker), Applied Pharmaceutical Chemistry, June 2022, Broad Institute, Cambridge, MA; Design and Evaluation of Naltrexone Prodrugs as Long-acting Injectables for Treating Addiction (speaker), Gordon Research Conferences, Medicinal Chemistry, October 2021, Mount Snow, West Dover, VT.

**Personal Statement:** In being considered for the position of Director-at-Large to represent NESACS, I recognize that I have a tremendous responsibility and commitment to promote and advance science as it relates to chemistry in the Northeastern section; however, it is equally important at a national level. Promoting chemical sciences begins in elementary school and then continues through high school and college but should be of similar importance at the professional academic and industrial levels. To this end, I will strive to enhance what has already been established by the ACS community, but I will also offer new ideas which may not have been considered or tried. Another area of focus that I will offer my assistance is for the promotion of chemical sciences to address the STEM gap for women. Although progress has been made, women still only represent 28% of the workforce in the fields of science, technology, engineering, and math. Additionally, I will continue to help advance/promote early-stage career growth for all scientists interested in chemically related fields. Lastly, as a Director-at-Large for NESACS, I would like to bridge the communication/education gap between our chemistry community and the laypeople of the world, for COVID taught me that as scientists we have an obligation for not just solving the problem at hand but educating people about the way in which we arrived at our solution. The scientific community needs to better establish trust within our communities if we wish for people to believe in the solutions that we generate.

**Director-at-Large Candidate 2**

**Raj (SB) Rajur**

**Education:** Ph.D. in Organic/ Medicinal Chemistry, Karnataka University, Dharwad, India (1988); Postdoctoral Fellow, University of Texas Southwestern Medical Center, Dallas (1988-1990); and Boston College, Chestnut Hill, MA (1990-1992)

**Professional Experience:** Instructor, Massachusetts General Hospital, Harvard Medical School, and Shriners Burns Institute (Boston, MA). Adjunct assistant professor, Northeastern University (Boston), Group leader Millipore Corporation (Bedford, MA), Project leader, ArQule, Inc. (Woburn, MA). Founding member and co-chair of Massachusetts Biotechnology Council CRO CMO forum. Presently, Founder, Chairman and CEO CreaGen, Inc, (Woburn, MA), (Founded 2002) and CreaGen Life Science Accelerator (Founded 2013)

**ACS/NESACS Service:** Chair NESACS (2021), Chair-Elect NESACS (2020), Program Chair, Medicinal Chemistry Division, NESACS (2003-present); Alternate Councilor, NESACS (2005-present); NESACS Nominating Committee (2008); NESACS election committee chair (2014), Chair of Organizing Committee, NESACS, IUPAC and RSC-US-Sponsored Advances in Chemical Sciences Symposium Series (2007-present). ACS Carrier consultant (2013-present)

**Membership/Honors:** ACS Organic Chemistry Division, ACS Medicinal Chemistry Division AAAS, and Indian Chemical Society. Reviewer, journal of pharmaceutical sciences (ACS journal), Reviewer, BU ignition award, Listed in Who’s Who in Science and Engineering. Invited speaker at several international
conferences. Serving on advisory board of many Indian cultural and community organizations.

**Position Statement:**
I am honored to be nominated for the position of Director-At-Large. As an entrepreneur, scientist, educator and active collaborator I would bring an impressive amount of expertise and leadership to our section.

**Scientific impact:**
I have been serving as the program chair for the medicinal chemistry section of NESACS since 2001. In my tenure as program chair, my mission has been to bring quality drug discovery science to our May, September and December annual symposia. The purpose of bringing good pharmaceutical science to our very active local section audiences is multifaceted. Our territory now houses the biotech hub of the world and has become a location where every multinational pharmaceutical company wants to collaborate, headquarter or establish a Center of Excellence. We, as a section, need to be exposed to a cross section of the science that is ongoing in the industry. Our meetings are venues for the exchange of ideas between industrial and academic participants. And, most importantly, our meetings are places where students from our many prestigious colleges and universities can network with professionals and learn from the symposia topics that feature cutting edge science.

I am proud to say that I was one of the founding members of Our annual Advances in Chemical sciences symposium and it has become the signature events and attracts more than 350 participants every year.

Since 2001 I have been serving as an Alternate Councilor for our section. I have regularly attended the NESACS monthly meetings and contributed several new ideas and inputs to these meetings. I have also regularly represented NESACS at national ACS meetings and participated in governance meetings.

Moving forward, as councilor, I will continue to support and encourage NESACS meetings that bring topnotch science to our audiences of academic and industrial professionals and students. I also plan on initiating the establishment of the Medicinal Chemistry Prize and also an exchange program with Indian universities similar to the German Exchange program.

**Leadership and collaborations:**
Having worked in the biotech industry for the last 20 years in various leadership positions and having established my own company CreaGen Inc., in 2001, I recognize the value of networking and collaboration. In 2010 I helped the Massachusetts Biotechnology Council establish a CRO/CMO Forum that represents all the Contract Research Organizations in Massachusetts. As the founding member and co-chair of this division, I have worked with committee members, volunteers, and industry leaders to raise funds and organize annual CRO/CMO symposia. These symposia bring more than 500 companies and leaders under one roof to exchange ideas, establish dialogue and address the needs of the pharmaceutical and biotechnology industries.

If elected, I will bring the same enthusiasm, spirit, top quality programs and collaborative efforts to our locale section. Such programs can help our members participate actively in our monthly meetings and also network with speakers, attendees and decision makers. I would also establish collaborations between Massachusetts Biotechnology Council, Massachusetts Life Science Center and other local life science organizations to expand the collaborations and visibility of NESACS.

Finally, the history of our section is immense and impressive. I hope to add to this legacy if elected. Thank you for your consideration and support.

**Nominating Committee**

**Nominating Committee Candidate 1**

**Owen Grimm**

**Statement:** I am currently serving as Chair the Northeastern Section Young Chemists Committee (YCC), and have been volunteering for the YCC since 2021. If elected, I would provide the perspective of and support the interests of younger chemists and help find ways to get younger chemists involved. As chair of NSYCC, I was intimately involved in planning big events such as the YCC’s Career Symposium and Research Conference. Young chemists willing to volunteer are a resource that needs to be tapped to help NESACS grow, and I will work to increase their involvement.
by drawing on my experience from the NSYCC. Thank you for your consideration.

**Education:**
- PhD in Physical Chemistry, UMass Lowell 2020
- Bachelor of Science in Chemistry, UMass Lowell 2014

**Professional Experience:**
- Analytical Chemist (Feb 2022 - Present), DuPont
- Scientist (Sept 2021 - Feb 2022), Weddell Technologies LLC
- Lab Researcher (Oct 2020 - June 2021), UMass Lowell
- Research & Teaching Assistant (Sept 2014 – Aug 2020), UMass Lowell

**NESACS Service:**
- NSYCC Treasurer 2021-2023
- NSYCC Chair-Elect 2022-2023
- NSYCC Chair 2023-2024

**Nominating Committee Candidate 2**

**Doris Lewis**

**Education:** Tufts University Ph.D. in Chemistry, Duke University, B.S. in Chemistry

**Professional Experience:** Suffolk University Professor Emerita; Professor, 1986-2013; Suffolk University Forensic Science Coordinator 2002-07; Chemistry Department Chair, 1995-2004; Associate Professor, 1981-86; Assistant Professor, 1975-81; Newton College Assistant Professor, 1970-75

**ACS Service:** ACS Committee on Technician Affairs Associate 2024; ACS Committee on Public Relations

**NESACS Service:** Theodore William Richards Medal Award Committee, Chair, 2020; Chair, NESACS Government Relations Committee 2002-present; Chair, Phyllis A. Brauner Memorial Lecture Committee, 2001-present; Section Chair 2000; Faculty Advisor, award-winning Suffolk University student chapter 1976-2013; NESACS James Flack Norris Award Committee 2011-2014, Chair 2014; NESACS Nominating Committee Chair 2001, member 2010, 2012, 2023; Board of Publications 1995-98, Chair, 1996-98; National Chemistry Week Committee 2000-present; Summerthing Chair (Red Sox event) 1994-2021, member 2022-present.

**Honors:** ACS Fellow 2014; E. Anne Nalley Northeast Region Award for Volunteer Service to the American Chemical Society 2012; NESACS Henry A. Hill Award 2003

**Statement:** I am honored to be considered as a member of the NESACS Nominating Committee. If elected I pledge to use my years of experience in NESACS including on previous nominating committees to help seek the best candidates from our large and diverse community, and I encourage all NESACS members to join in this important task.

**Nominating Committee Candidate 3**

**Andrew Scholte**

**Education:** B. Sc. (Biochemistry; 1st Class Honors) Simon Fraser University, 2000; Ph.D. (Chemistry) University of Alberta, 2006; Postdoctoral, Boston College, 2006-2008.

**Professional Experience:** Sanofi, Integrated Drug Discovery, Principal Scientist I and Lab Head, 2018-present; Sanofi Genzyme, Integrated Drug Discovery, Senior Scientist, 2016-2018; Sanofi, a Sanofi Company, Medicinal Chemistry Department, Staff Scientist II, 2012-2016; Genzyme, Medicinal Chemistry Department, Staff Scientist I, 2008-2012; Boston College, Chemistry Department, NSERC Postdoctoral fellow with Prof. Marc Snapper, 2006-2008.

**Honors/Awards:** ACS Leadership Development Award (2010); Natural Sciences and Engineering Research Council of Canada (NSERC) PDF (2006-2008); Outstanding Oral Presentation-Canadian Society for Chemistry (2005); Canada Graduate Scholarship (2003-2005); NSERC Postgraduate Scholarship A (2001-2003); Alberta Heritage Studentship (2000-2005); Faculty of Science Graduate Entrance Scholarship (2000); Department of Chemistry Entrance Scholarship (2000); Walter H. John Scholarship (2001-2005); Mary Louise Imrie Graduate Student Award (2004); Alfred Bader Scholarship-Canadian Society for Chemistry (2000).

**Service to the Chemistry Community (USA and Canada):** Member of the ACS since 2006; President of the 1st Banff Symposium on Organic Chemistry Organizing Committee; Member of the Canadian Institute of Chemistry since 2000. Member of the Long Range Planning Committee, Division of Medicinal
Chemistry – ACS, 2020-present.
Alternate Councilor, Division of Medicinal Chemistry 2021-present;
Associate member, International Activities Committee 2021-present;
Member, National Historic Chemical Landmarks Committee 2021-present.

NESACS Service: Chair (2019);
Councilor (2018-present); Alternate Councilor (2012-2017), General Co-chair, Northeast Regional Meeting (NERM) 2023; Program Chair, Northeast Regional Meeting (NERM) 2021 (postponed to 2023);
Elected member of the Esselen Award Committee (2024-present);
Member of the Nominating Committee (2015, 2020, 2022);
Member of the German Exchange (GEX) steering committee (2013-present); Member of the Medicinal Chemistry Committee (2012-present); Vice Chair of the NSYCC (2010-2011). Member on the NESACS committee for the 2010 ACS meeting in Boston, MA (Katherine Lee-Chair).

Statement: I am honored to be nominated for election as a NESACS councilor. For the past several years I have taken on increasing leadership roles within NESACS. From 2018-2020, I was an officer for the section and Chair in 2019. I was general co-chair for the Northeast Regional Meeting (NERM) in 2023. I am also involved with the ACS on the national level. I am an alternate councilor and member of the long-range planning committee for the Division of Medicinal Chemistry. I have organized multiple symposia at national ACS meetings and engaged colleagues internally at Sanofi and externally to be more involved with the society. Furthermore, as a councilor I am also an associate member of the International Activities Committee (IAC) and member of the National Historic Chemical Landmarks committee.

Over the last 20 years I have been actively involved with serving the scientific community in the United States and Canada. During my undergraduate studies at Simon Fraser University, I was the President of the Biochemistry and Chemistry Undergraduate Student Union. As president I initiated a career symposium program where students could learn more about potential career opportunities in both academic and industrial fields. During my graduate school training at the University of Alberta, I established a new conference for graduate students in Chemistry. The Banff Symposium on Organic Chemistry is held every two years in Banff, Alberta and aims to highlight graduate student’s research while providing an opportunity to discuss their work with industrial, post-doctoral, and faculty researchers. In 2016, I was fortunate enough to be elected as a councilor for the NESACS and I am running again to be re-elected as a councilor on the NESACS board.

Norris Award Committee

Norris Award Committee Candidate 1
Meghan Johnston

Education:
- Ph.D. Organic Chemistry, Northeastern University (2012);
- B.S. Chemistry, University of Connecticut (2005);
- B.S. Molecular and Cell Biology, University of Connecticut (2005).

Professional Experience:
- Associate Teaching Professor of Chemistry & Physics, Simmons University (2022-present);
- Assistant Professor of Chemistry, Manhattanville College (2014-2022);
- Visiting Assistant Professor of Chemistry, State University of New York - Cortland (2012-2014).

Mentoring Experience:
- NASA DREAM WSTEM mentor (2023 – present)
- Dynamic Research Education Academy for Mentoring Womxn in STEM

ACS & NESACS Service:
- Faculty advisor for ACS student chapter – Simmons University (2024 – present)
- Faculty advisor ACS student chapter – Manhattanville College (2019 – 2022)

Relevant Memberships:
- American Chemical Society
- Alpha Chi Sigma

Honors:
Northeastern University Outstanding Teaching Assistant Award (2005-2006)

Statement: I would be honored to serve as a member of the Norris Award Committee. This opportunity would be the first of hopefully many service roles I undertake with the NESACS. Reviewing nominations to select the award recipient is a great responsibility that I will approach with thorough consideration, without bias. As a teacher and mentor, I aim to provide an inclusive learning environment which encourages a sense of
belonging in STEM. I would bring my experience and energy to committee work and NESACS events. I appreciate your vote for Norris Award Committee member. Thank you for your support.

**Norris Award Committee Candidate 2**  
**Clarissa Keen**

**Education:**
- Boston University, M.A./B.A., Chemistry, 2012
- University of Massachusetts Boston, Ph.D., Chemistry, 2021.

**Professional Experience:**
- Associate Lecturer of Chemistry, University of Massachusetts Boston, 2022.
- Visiting Assistant Professor of Practice of Chemistry, Boston College, 2022 – present.

**Honors/Awards:**
- 2019 - UMass Boston College of Science and Mathematics Dean's Doctoral Research Fellowship
- 2020 - Vincent T. Mastricola, Jr. Graduate Fellowship Award
- 2021 - National Association of Research in Science Teaching Doctoral Abell Fellow
- 2022 - Invited Oral Presentation, New and Noteworthy in CER Symposium, Spring National Meeting of American Chemical Society

**ACS Member/ Service:**
- Member ACS since 2018. Chemical Education Division.
- Reviewer for ACS Journal of Chemical Education

**Related Activities:**
- Diversity, Equity, Inclusion, and Reconciliation Taskforce at my institutions since 2020.
- Member of the National Association of Research in Science Teaching since 2019.

**Statement:** It would be an amazing opportunity and an honor to serve on NESACS James Flack Norris Award Committee. I bring an expertise in Chemistry Education Research, specifically in higher education with a focus on equitable education practices. Additionally, I bring a unique perspective from having taught chemistry in industrial, academic, and outreach settings. As an early career academic, this would be my first service opportunity with NESACS and I look forward to getting involved in this organization.

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**Norris Award Committee Candidate 3**  
**Shelli Waetzig**

**Education:** B.S.Chem. Creighton University, 2002; Ph.D. in Chemistry, The University of Kansas, 2007

**Professional Experience:**  
Professor of Chemistry, Framingham State University, 2023-present; Associate Professor of Chemistry, Framingham State University, 2020-2023; Assistant Professor of Chemistry, Framingham State University, 2013-2020; Visiting Assistant Professor of Chemistry, College of the Holy Cross, 2010-2012; NIH Postdoctoral Fellowship 2008-2010, University of California, Irvine; Postdoctoral Researcher, The University of Kansas 2007-2008

**ACS Service:** Member of Graduate Education Advisory Board of the ACS 2009-2011.

**Memberships:** ACS and Division of Organic Chemistry Member since 2002; National Association of Advisors for the Health Professions since 2019.

**Statement:** As an educator, I feel that excellent teaching and the field of chemical education are vital to developing and empowering young scientists. Recognitions, like the Jack Flack Norris Award, highlight the importance of these positive impacts. If chosen, I would work to identify the most qualified recipient(s) who have made notable contributions to the field of chemical education.
Councilor/Alternate Councilor

Councilor/Alternate Councilor Candidate 1
Karen Allen

Education: B.S. (Biology) 1984, Tufts University, Ph.D. (Biochemistry) 1989, Brandeis University, American Cancer Society Fellow (Biochemistry), 1989-1993 MIT, Brandeis University.

Professional Experience: Chair of Chemistry, Professor of Chemistry, Professor of Material Science and Engineering, faculty of the Department of Pharmacology Physiology and Biophysics, Boston University.


Areas of Research: Biochemistry: mechanistic enzymology, macromolecular X-ray crystallography, enzyme evolution.

Statement: I am honored to be considered for the position of Councilor representing NESACS. I am in my third term as a member of the Esselen Award Committee and have been excited by the enthusiasm of our members for the award lecture and programming around that award, especially the opportunities for a luncheon of the younger chemists with the awardee. As a Councilor, I will work to connect NESACS with opportunities offered at the national level as well as to promote our activities at the National level. I am especially excited to work toward greater involvement of women chemists and younger chemists and build towards greater equity and inclusion in our Society. I will strive to find opportunities to find new ways to support our membership in order to encourage participation of new members in the ACS. I hope to gain your support via your vote.

Councilor/Alternate Councilor Candidate 2
Brian D’Amico

Education: B.S. Chemistry, Northeastern University (2015)

Professional Experience: Senior Laboratory Technician, Department of Chemistry & Chemical Biology, Northeastern University (2019-Present); Laboratory Technician, Department of Chemistry & Chemical Biology, Northeastern University (2014-2019); Chemistry Supervisor & Teaching Assistant, Department of Chemistry & Chemical Biology, Northeastern University (2013-2014); CMC Co-op, Idenix Pharmaceuticals (2013); Post Selection Chemistry Co-op, GlaxoSmithKline (2012)

Memberships: American Chemical Society (2010-Present); Boy Scouts of America (Youth Member: 1997-2009, Adult Leader 2009-Present)

ACS & NESACS Service: NESACS Alternate Councilor (2022-present); Executive Board Member or Advisor, Northeastern Section Younger Chemists Committee (2015-Present); Chair, Northeastern Section Membership Committee (2016-Present); Member, Northeastern Section Bylaws Committee (2017-Present); Member, Northeastern Section Nominating Committee (2020); Member, Northeastern Section Government Affairs Committee (2016-Present); Northeast Student Chemistry
Research Conference Organizing Committee (2015, 2016, 2017, 2018, 2019); Conference Logistics Chair, 2021 Northeast Regional Meeting (Meeting Cancelled); Member, NESACS Board of Publications (2020-Present); Photographer for The Nucleus (2018-Present), Conference Logistics Chair, 2023 Northeast Regional Meeting @ Northeastern University; Associate Member, ACS Committee on Membership Affairs (2024).

Candidate Statement: I am honored to have been considered for the position of Councilor in NESACS. Having served as an elected Alternate Councilor for over 2 years, I have had the opportunity to serve twice at ACS Council meetings representing our local section membership in place of one of our elected Councilors. It has been a privilege to act as a representative from NESACS in the ACS Council, the deliberative governing assembly of our Society, and I would be enthusiastic to be elected to the Councilor position to represent our local section's membership at each of the Council meetings that occur during my term.

If elected, I would continue to engage with our local section members on issues of both local and Society-wide significance. I strive to ensure that matters of Society business that are to be discussed and acted upon at Council meetings is brought before our local section membership to allow our members to weigh in on these matters before our Councilors attend and act on their behalf. If elected Councilor, I would continue to serve in my existing local section roles and hope that service as a Councilor would enable me to fulfill those roles even more effectively. Thank you for your consideration of my candidacy and thank you for participating in our local section elections.

Councilor/Alternate Councilor Candidate 3
George O’Doherty

George O’Doherty was born in Kilkenny Ireland in 1966 and received his undergraduate education from RPI with Professor Alan R. Cutler in 1987. After earning his Ph.D. with Professor Leo A. Paquette at OSU in 1993 he pursued postdoctoral studies with first Professor Barry M. Trost at Stanford and the Anthony G. M. Barrett. He began his independent career at Univ. of Minnesota in 1996 and in 2002, he moved to West Virginia University. He moved again in 2010 to Northeastern University, where he has risen to the rank of Professor. His laboratory is interested in the use of asymmetric catalysis for the synthesis and medicinal chemistry study of biological important carbohydrate and natural products. Previously, he has served on committees for the ACS at the local (NESACS: Awards committee (2014-2020), Alternative Councilor (2023-2024) and North Central West Virginia (2006-2010)) and national levels (Awards committee (2014-2016), James Flack Norris Canvassing committee (2021-present) and At-large/ Awards member Carbohydrate Division (2014-2019)).

Councilor/Alternate Councilor Candidate 4
Patrick Gordon

Education:
• B.Sc. University of Guyana (1977); M.Sc, University of New South Wales, Australia (1982); Ph.D., University of Manitoba, Canada (1987)

Professional Experience:
• Massachusetts College of Pharmacy and Health Sciences, Assistant Professor, Chemistry (2020 to present)
• Post Doctoral Associate, Kansas State University, (1987-1988); Organix Inc., Woburn, MA (1988-1991); Senior Scientist,
• Polaroid Corporation (1991-2001); Arqule Inc. (2001-2002); Polymer Laboratories, (2003-2004); Adjunct Professor Simmons College, Emmanuel College, Cape Cod Community College (2015-2019); Wentworth Institute of Technology (2019-2020); MCHPS University, (2005 to Present)

ACS Service:
• Councilor (2011-2014); Career consultant (2003 to present)
• ACS COACHs program (2011-present)
• Committee of Minority affairs (2012-present)
• Chaired session

NEACS Service: Chair-Elect (2010), Chair (2011), NERM Chair of the Symposium on Cannabinoids, (1989); Centennial Committee
Co-Chair (1998); Member, Board of Publications 1999 to 2008; Secretary, Board of Publications, 2000; Chair, Board of Publications, (2002, 2004) Auditor (2016-2020); Councilor/Alternate Councilor (2018-2023); Henry Hill Award for volunteer service to NESACS (2023); Chair-Elect (2023), Chair (2024)

Statement: It would welcome the opportunity to serve NESACS as a Councilor. Last August, I led a Strategic Planning Workshop—a first for NESACS in about 20 years. We now have to move from the planning to the implementation of that plan. We have many committed members who have indicated their support for moving forward with the goals that were agreed upon. In addition, I am committed to working with the GEX committee in order to raise funds towards an endowment for that very successful program. I have begun to have discussions with our German counterparts to delineate a path forward towards that goal.

It has been a privilege to serve our members all these years and it would be a pleasure to continue serve on the board of NESACS as a Councilor and I thank you for your continued support.

Councilor/Alternate Councilor Candidate 5
Melissa Grenier-Davies


Professional Experience:

ACS Service: Northeastern Section ACS, Alternate Councilor | Vice-Chair ACS Division of Medicinal Chemistry Young Medicinal Chemists Committee | ACS Division of Medicinal Chemistry-European Federation for Medicinal Chemistry, Medicinal Chemistry Frontiers 2023, Scientific Organizing Committee | ACS Publications Journal of Medicinal Chemistry, Early Career Board (2023-present) | ACS Women Chemists Committee, volunteer (2023-present) | ACS Member, Organic and Medicinal Chemistry Divisions (2012-present)

Other Professional Services:


Statement: It is an honor to be nominated for the position of Councilor and I am excited by the opportunity to serve our section. I am motivated to give back to our local ACS community as I have greatly benefitted from ACS sponsored initiatives and service as both a student and in my early career. In 2019, I began my professional career and became a member of the ACS Division of Medicinal Chemistry Young Medicinal Chemists Committee (MEDI YMCC). Now as Vice-Chair of YMCC, I engage with the MEDI Executive Committee to establish programming focused on trainees and early career scientists. Personally, one of the driving factors for starting my career in the Northeast was its rich and diverse ecosystem of science. I am passionate about creating opportunities for chemists to expand their scientific networks and grow professionally. Moreover, I feel it is essential to inspire the next generation of scientists and to advocate for programming that increases diversity and inclusion. If elected, I will bring this enthusiasm and perspective while being a voice for our section at the ACS Council. Thank you for your support and consideration.

Councilor/Alternate Councilor Candidate 6
Owen Grimm

Statement: I am currently serving as Chair the Northeastern Section Young Chemists Committee (YCC), and have been volunteering for the YCC since 2021. If elected, I would provide the perspective of and support the interests of younger chemists and help find ways to get younger chemists involved. As chair of NSYCC, I was intimately involved in planning big events such as the YCC’s Career Symposium
and Research Conference. Young chemists willing to volunteer are a resource that needs to be tapped to help NESACS grow, and I will work to increase their involvement by drawing on my experience from the NSYCC. Thank you for your consideration.

**Education:**
- PhD in Physical Chemistry, UMass Lowell 2020
- Bachelor of Science in Chemistry, UMass Lowell 2014

**Professional Experience:**
- Analytical Chemist (Feb 2022 - Present), DuPont
- Scientist (Sept 2021 - Feb 2022), Weddell Technologies LLC
- Lab Researcher (Oct 2020 - June 2021), UMass Lowell
- Research & Teaching Assistant (Sept 2014 – Aug 2020), UMass Lowell

**NESACS Service:**
- NSYCC Treasurer 2021-2023
- NSYCC Chair-Elect 2022-2023
- NSYCC Chair 2023-2024

## Councilor/Alternate Councilor Candidate 8

### Lipin Ji

**Education:**
- 2013, B.E. Pharmaceutical Engineering, East China University of Science and Technology, China; 2015, M.S. Medicinal Chemistry, Northeastern University; 2021, Ph.D. Medicinal Chemistry, Northeastern University.

**Professional Experience:**
- 2021-present, R&D chemist III, MAKScientific, Burlington, MA.

**NESACS and ACS Service:**
- 2023-present, Social Chair, ACS PROF
- 2023-present, alternate-councilor, NESACS
- 2023-present, YCC Liaison of GEX committee, NESACS
- 2022-2023, Graduate Activity Committee, NERM 2023 organizing Committee, NESACS
- 2020-2023, career chair, chair-elect, chair and immediate past chair of NSYCC, NESACS

**Honors:**
- American Chemical Society Leadership Development Award, 2021
- PhD Academic Technology Scholar, 2020
- International Cannabinoid Research Society Student Travel Award, 2019
- Northeastern University PhD Network Travel Award, 2019;
- Best Poster Presentation Award, Northeastern University, 2018;
• The Excellent Graduation Thesis, ECUST, 2013.

Statement: I am deeply honored to be considered for the role of Councilor in NESACS. My involvement with the Younger Chemist Committee (YCC) of NESACS has been extensive, serving as chair alongside other e-board positions since my graduate studies. Together, we’ve fostered a dynamic YCC community in the greater Boston and New Hampshire area, organizing numerous workshops, symposiums, and student conferences. Our efforts have been recognized nationally, with NSYCC receiving nominations/awards such as the Chemluminary Award for Outstanding Local Section YCC.

In addition to my YCC responsibilities, I’ve expanded my engagement within NESACS and ACS PROF. Notably, I coordinated four successful co-hosted events during NERM2023, including a career luncheon, social gatherings, lightning talks, and an early career showcase, all well-attended and received.

My recent experience as an alternate-Councilor in New Orleans was eye-opening, providing valuable insight into the governance of ACS and the initiatives shaping its future. As a candidate for NESACS Councilor, I am committed to leveraging my skills and experience to further our mission of supporting, advancing, and empowering our members. I pledge to actively engage with our community, listening to their feedback and ideas, and advocating for their needs. Furthermore, I aim to strengthen connections with ACS and other local sections to enhance the NESACS member experience. Thank you for considering my candidacy. I am truly grateful for your support, and I am eager to contribute to the continued success of NESACS.

Councilor/Alternate Councilor Candidate 9

Ray Lam

Education:
M.Sc. Chemistry with Industrial Experience, University of Bristol, UK (2004); Ph.D. Inorganic and Materials Chemistry, University of Bristol, UK (2008)

Professional Experience:
Associate Professor, Massachusetts Maritime Academy (2013–Present); Chapter Director, Massachusetts State College Association (2020–Present); Adjunct Faculty, Emanual College, MCPHS University (2012–2013), Providence College (2011–2012); Postdoctoral Research Associate, University of Pittsburgh (2008–2010)

NESACS Service:
Chair, National Chemistry Week (2016–Present); Alternate Councilor (2021–2022); Director-at-large (2022–2024)

Honors:
ACS Local Section 2020 Outreach Volunteers of the Year

Statement: It is a great honor to be nominated to run for the Councilor position and I am very excited to have the opportunity to serve our section. I first got involved with NESACS as a volunteer at National Chemistry Week (NCW). I have been chairing the NCW committee for the since 2016, working with our collaborators at the Museum of Science, Boston, Discovery Museum in Action and Boston Children’s Museum to hold our annual events. For my involvement with the NCW events, I was honored to be named a local recipient of the 2020 Outreach Volunteers of the Year award. During my tenure as Chair for National Chemistry Week, I have experienced first-hand the power and importance of outreach programs. If elected as councilor, I would like to be more involved with coordinating and designing outreach programs at the national level. I believe my diverse background and experience as an outreach coordinator would bring new ideas to committees. I would also like to gain a better understanding and be more involved with NESACS to better serve our section. Thank you for your consideration and your support.

Councilor/Alternate Councilor Candidate 10

Daljit S. Matharu

Education:
• Mchem, Medicinal Chemistry, Nottingham Trent University, UK (1997 - 2001)
• Ph.D., Organic Chemistry, University of Warwick, UK (2003 - 2007)
• Postdoctoral Fellow, Princeton University (2007 - 2008)
• Postdoctoral Fellow, The Pennsylvania State University (2008 - 2010)
• Postdoctoral Fellow, University of Kansas (2010 - 2014)

Professional Experience:
• 2020 - present: Senior Scientist, Medicinal Chemistry, Sanofi, Cambridge, MA
• 2020 - 2020: Senior Scientist, ELT Medicinal Chemistry, GlaxoSmithKline, Cambridge, MA
• 2019 - 2019: Scientist, Medicinal Chemistry, Alkermes, Waltham, MA
• 2016 - 2019: Scientist, Medicinal Chemistry, Ironwood Pharmaceuticals, Cambridge, MA
• 2015 - 2016: Research Scientist, Northeastern University, Boston, MA
• 2014 - 2015: Research Scientist, Colorado Center for Drug Discovery, CSU, Fort Collins, CO

Professional Memberships:
• 2008 – present: American Chemical Society, Medicinal Chemistry and Organic Chemistry Division
• 2008 – present: Royal Society of Chemistry (MRSC).

Honors:
• Teaching Assistant Award obtained at University of Warwick by passing a Further Adult Education Teaching Course (2004).
• EPSRC Doctoral Training Account Award, University of Warwick (2004 – 2007).

NESACS Service:
Alternate Councilor (2018 to present).

Statement: I am honored to be considered for the Councilor position in the upcoming 2024 elections and am thrilled to have the opportunity to serve our section in this capacity.

I have had the privilege of serving as an alternate councilor since 2018. I enjoy attending the award presentations that are held locally and as a councilor, I look forward to continuing to serve and strengthen our local chapter.

I am delighted to have been given the opportunity to serve as the chair of the organizing committee for the 13th annual Boston Symposium on Organic & Bioorganic Chemistry (BSOBC) to be held this October. This unique forum brings together world-class Boston-area academic and industrial institutions enabling students and leading academics to productively interact with industry scientists.

I successfully co-chaired a very well attended MEDI session on “Non-traditional Pharmacophores in Drug Discovery,” at the 2023 Fall ACS meeting in San Francisco. The distinguished line-up of speakers equipped the audience with new ideas that hopefully sparked creativity!

I look forward to using these experiences bringing cutting edge science to our local section audiences.

I hope to receive your vote and thank you for your consideration.

Councilor/Alternate Councilor Candidate 11
Raj Rajur

Education: Ph.D. in Organic/Medicinal Chemistry, Karnataka University, Dharwad, India (1988); Postdoctoral Fellow, University of Texas Southwestern Medical Center, Dallas (1988-1990); and Boston College, Chestnut Hill, MA (1990-1992)

Professional Experience:
Instructor, Massachusetts General Hospital, Harvard Medical School, and Shriners Burns Institute (Boston, MA). Adjunct assistant professor, Northeastern University (Boston), Group leader Millipore Corporation (Bedford, MA), Project leader, ArQule, Inc. (Woburn, MA). Founding member and co-chair of Massachusetts Biotechnology Council CRO CMO forum. Presently, Founder, Chairman and CEO CreaGen, Inc, (Woburn, MA), (Founded 2002) and CreaGen Life Science Accelerator (Founded 2013)

ACS/NESACS Service: Chair NESACS (2021), Chair-Elect NESACS (2020), Program Chair, Medicinal Chemistry Division, NESACS (2003-present); Alternate Councilor, NESACS (2005-present); NESACS Nominating Committee (2008); NESACS election committee chair (2014), Chair of Organizing Committee, NESACS, IUPAC and RSC-US-Sponsored Advances in Chemical Sciences Symposium Series (2007-present). ACS Carrier consultant (2013-present)

Membership/Honors: ACS Organic Chemistry Division, ACS Medicinal Chemistry Division AAAS, and Indian Chemical Society. Reviewer, journal of pharmaceutical sciences (ACS journal), Reviewer, BU ignition award, Listed in Who's Who in Science and Engineering. Invited speaker at several international conferences. Serving on advisory board of many Indian cultural and community organizations.

Statement: I am honored to be considered for one of the Councilor positions for the Northeast Section of ACS. As an entrepreneur, scientist, educator and active collaborator I would bring an impressive amount of expertise and leadership to our section.
Scientific impact: I have been serving as the program chair for the medicinal chemistry section of NESACS since 2001. In my tenure as program chair, my mission has been to bring quality drug discovery science to our May, September and December annual symposia. The purpose of bringing good pharmaceutical science to our very active local section audiences is multifaceted. Our territory now houses the biotech hub of the world and has become a location where every multinational pharmaceutical company wants to collaborate, headquarter or establish a Center of Excellence. We, as a section, need to be exposed to a cross section of the science that is ongoing in the industry. Our meetings are venues for the exchange of ideas between industrial and academic participants. And, most importantly, our meetings are places where students from our many prestigious colleges and universities can network with professionals and learn from the symposia topics that feature cutting edge science.

I am proud to say that I was one of the founding members of Our annual Advances in Chemical sciences symposium and it has become the signature events and attracts more than 350 participants every year.

Since 2001 I have been serving as an Alternate Councilor for our section. I have regularly attended the NESACS monthly meetings and contributed several new ideas and inputs to these meetings. I have also regularly represented NESACS at national ACS meetings and participated in governance meetings.

Moving forward, as councilor, I will continue to support and encourage NESACS meetings that bring topnotch science to our audiences of academic and industrial professionals and students. I also plan on initiating the establishment of the Medicinal Chemistry Prize and also an exchange program with Indian universities similar to the German Exchange program.

Leadership and collaborations:
Having worked in the biotech industry for the last 20 years in various leadership positions and having established my own company CreaGen Inc., in 2001, I recognize the value of networking and collaboration. In 2010 I helped the Massachusetts Biotechnology Council establish a CRO/CMO Forum that represents all the Contract Research Organizations in Massachusetts. As the founding member and co-chair of this division, I have worked with committee members, volunteers, and industry leaders to raise funds and organize annual CRO/CMO symposia. These symposia bring more than 500 companies and leaders under one roof to exchange ideas, establish dialogue and address the needs of the pharmaceutical and biotechnology industries.

If elected, I will bring the same enthusiasm, spirit, top quality programs and collaborative efforts to our locale section. Such programs can help our members participate actively in our monthly meetings and also network with speakers, attendees and decision makers. I would also establish collaborations between Massachusetts Biotechnology Council, Massachusetts Life Science Center and other local life science organizations to expand the collaborations and visibility of NESACS.

Finally, the history of our section is immense and impressive. I hope to add to this legacy if elected. Thank you for your consideration and support.

Councilor/Alternate Councilor Candidate 12
Ashis Saha

Education: Ph.D. Chemistry Univ. Michigan, Ann Arbor. Post-doctoral: University of California, Berkeley


Statement: It has been an honor to serve as treasurer to the Northeastern Section of the American Chemical Society for 6 years. Early in my tenure, I initiated streamlined utilization of online banking which helped improve payments to our vendors. Implementation of expense templates helped standardize payments including to committee members, symposium speakers and awardees. I improved the chart of accounts to simplify income/
expense activities of member volunteers and symposium committees. The board was gracious to accept my proposal to hire a bookkeeper which greatly improved tracking of revenue and expenditures. Our organization developed excellent financial health during my tenure thanks to generous corporate sponsorships of our many diverse chemistry symposia, vendor support and endowments/trusts. Much needs to be done to continue improving the organization of income/expense records which may become a necessity especially if our revenues continue to exceed full audit thresholds. Ensuring financial books stay robust while supporting proposals for new activities or symposia will require continued budget vigilance. Our current treasurer Steve Canham has done an admirable job making NESACS financial health even stronger. As a councilor/alternate, I will aim to continue a strong sense of service to our section including bringing newer energy and improvements.

Thank you!

Councilor/Alternate Councilor Candidate 13
Andrew Scholte

Education: B. Sc. (Biochemistry; 1st Class Honors) Simon Fraser University, 2000; Ph.D. (Chemistry) University of Alberta, 2006; Postdoctoral, Boston College, 2006-2008.

Professional Experience: Sanofi, Integrated Drug Discovery, Principal Scientist I and Lab Head, 2018-present; Sanofi Genzyme, Integrated Drug Discovery, Senior Scientist, 2016-2018; Sanofi, a Sanofi Company, Medicinal Chemistry Department, Staff Scientist II, 2012-2016; Genzyme, Medicinal Chemistry Department, Staff Scientist I, 2008-2012; Boston College, Chemistry Department, NSERC Postdoctoral fellow with Prof. Marc Snapper, 2006-2008.

Honors/Awards: ACS Leadership Development Award (2010); Natural Sciences and Engineering Research Council of Canada (NSERC) PDF (2006-2008); Outstanding Oral Presentation-Canadian Society for Chemistry (2005); Canada Graduate Scholarship (2003-2005); NSERC Postgraduate Scholarship A (2001-2003); Alberta Heritage Studentship (2000-2005); Faculty of Science Graduate Entrance Scholarship (2000); Department of Chemistry Entrance Scholarship (2000); Walter H. John Scholarship (2001-2005); Mary Louise Imrie Graduate Student Award (2004); Alfred Bader Scholarship-Canadian Society for Chemistry (2000).

Service to the Chemistry Community (USA and Canada): Member of the ACS since 2006; President of the 1st Banff Symposium on Organic Chemistry Organizing Committee; Member of the Canadian Institute of Chemistry since 2000. Member of the Long Range Planning Committee, Division of Medicinal Chemistry – ACS, 2020-present. Alternate Councilor, Division of Medicinal Chemistry 2021-present; Associate member, International Activities Committee 2021-present; Member, National Historic Chemical Landmarks Committee 2021-present.

NESACS Service: Chair (2019); Councilor (2018-present); Alternate Councilor (2012-2017), General
Co-chair, Northeast Regional Meeting (NERM) 2023; Program Chair, Northeast Regional Meeting (NERM) 2021 (postponed to 2023); Elected member of the Esselen Award Committee (2024-present); Member of the Nominating Committee (2015, 2020, 2022); Member of the German Exchange (GEX) steering committee (2013-present); Member of the Medicinal Chemistry Committee (2012-present); Vice Chair of the NSYCC (2010-2011). Member on the NESACS committee for the 2010 ACS meeting in Boston, MA (Katherine Lee-Chair).

Statement: I am honored to be nominated for election as a NESACS councilor. For the past several years I have taken on increasing leadership roles within NESACS. From 2018-2020, I was an officer for the section and Chair in 2019. I was general co-chair for the Northeast Regional Meeting (NERM) in 2023. I am also involved with the ACS on the national level. I am an alternate councilor and member of the long-range planning committee for the Division of Medicinal Chemistry. I have organized multiple symposia at national ACS meetings and engaged colleagues internally at Sanofi and externally to be more involved with the society. Furthermore, as a councilor I am also an associate member of the International Activities Committee (IAC) and member of the National Historic Chemical Landmarks committee.

Over the last 20 years I have been actively involved with serving the scientific community in the United States and Canada. During my undergraduate studies at Simon Fraser University, I was the President of the Biochemistry and Chemistry Undergraduate Student Union. As president I initiated a career symposium program where students could learn more about potential career opportunities in both academic and industrial fields. During my graduate school training at the University of Alberta, I established a new conference for graduate students in Chemistry. The Banff Symposium on Organic Chemistry is held every two years in Banff, Alberta and aims to highlight graduate student’s research while providing an opportunity to discuss their work with industrial, post-doctoral, and faculty researchers. In 2016, I was fortunate enough to be elected as a councilor for the NESACS and I am running again to be re-elected as a councilor on the NESACS board.
Ashdown High School Chemistry Examination Contest Winners

The Ashdown High School Chemistry Examination Contest is an annual event sponsored by the NESACS. Each high school in the Northeastern Section may be represented by a maximum of five (5) participants selected by their school or teachers. (One alternate may be named on the registration form, but only five students will be tested.) Top scorers in the Ashdown Examination are eligible to take the qualifying exam for the United States Chemistry Olympiad Team.

### Top Five $ Winners

<table>
<thead>
<tr>
<th>Name</th>
<th>School</th>
<th>Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samuel Xu, (top scorer previous awardee)</td>
<td>Newton South HS</td>
<td>Teresa Marshall</td>
</tr>
<tr>
<td>Daniel Ding, $250 (split Simmons Prize)</td>
<td>Newton South HS</td>
<td>Marianne McChesney</td>
</tr>
<tr>
<td>Benjamin Zhu, $250 (split Simmons Prize)</td>
<td>Acton-Boxborough RHS</td>
<td>Leah Marsh</td>
</tr>
<tr>
<td>Hyunjun Kim, $100</td>
<td>Phillips Exeter Academy</td>
<td>Caitlyn Sarno</td>
</tr>
<tr>
<td>Joseph Pan, $50</td>
<td>Acton-Boxborough RHS</td>
<td>Leah Marsh</td>
</tr>
</tbody>
</table>

### Honorable Mention (2nd Year) Next Five

<table>
<thead>
<tr>
<th>Name</th>
<th>School</th>
<th>Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evan Zhang</td>
<td>Dover-Sherborn HS</td>
<td>Chris Levasseur</td>
</tr>
<tr>
<td>Henry Geissbühler</td>
<td>Winchester HS</td>
<td>Ipshtia Chakladar</td>
</tr>
<tr>
<td>Yuen Kai Chow</td>
<td>Brookline HS</td>
<td>Julia Speyer</td>
</tr>
<tr>
<td>Michael Zhu</td>
<td>Brookline HS</td>
<td>Lexi Murphy</td>
</tr>
<tr>
<td>Alice He</td>
<td>Phillips Andover Academy</td>
<td>Brian Faulk</td>
</tr>
</tbody>
</table>

### Honorable Mention (1st Year) Next Five

<table>
<thead>
<tr>
<th>Name</th>
<th>School</th>
<th>Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>William Jung</td>
<td>Lexington HS</td>
<td>Parul Kumar</td>
</tr>
<tr>
<td>Sarah Ku</td>
<td>Groton School</td>
<td>Sandra Kelly</td>
</tr>
<tr>
<td>Daniel Jung</td>
<td>Lexington HS</td>
<td>Parul Kumar</td>
</tr>
<tr>
<td>Samuel Wang</td>
<td>Davidson Online Academy</td>
<td></td>
</tr>
<tr>
<td>Nathan Liu</td>
<td>Winchester HS</td>
<td>Xiaojie Zhou</td>
</tr>
</tbody>
</table>
The ACS GCI Pharmaceutical Roundtable has identified key synthetic chemistry and process research challenges whose solutions would result in more efficient pharmaceutical process development and production. To spur research in these areas, the Roundtable established a research grant program in 2007 that has funded more than $4 million to date.

The ACS GCI Pharmaceutical Roundtable invites proposals from institutions of higher education worldwide for its 2024 Research Grants.

2024 Key Research Area Grant Topics - $80,000 1-year research commitment
- Alternatives to Halogenated Solvents
- AI and Machine Learning Reaction Optimization
- Greener Solid Phase Peptide Synthesis
- Sustainable Oligonucleotides Process Development

Ignition Grant Program
Ignition Grant proposals can be on any new green chemistry or green engineering research direction of relevance to the pharmaceutical industry. Grants provide $40,000 for a 6-month research commitment.

Apply by May 17, 2024.

For more information and to apply, visit: acsgcipr.org/grants