

# 2019 NESACS Election

## Chair-Elect

Raj (SB) Rajur



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

**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 C2I Accelerator (Founded 2013)

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

**Membership/Honors:** Recipient of Henry Hill Award 2018. Member of ACS Organic Chemistry Division, ACS Medicinal Chemistry Division, AAAS, and Indian Chemical Society. Reviewer, Journal of Medicinal Chemistry, Journal of pharmaceutical sciences (ACS journal), Reviewer, BU ignition award, In-

vited speaker at several international conferences. Serving on advisory board of many Indian cultural and community organizations.

**Position Statement:** It would be an honor to serve as the chair to our local section. 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 partner, 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.

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 Chair-Elect, I will continue to support and encourage NESACS meetings that bring top notch 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.

# NESACS Election

## Election of Candidates

In the interest of providing maximum information and expression of opinion by the candidates for election in 2019, the Nominating Committee has prepared this section of the NUCLEUS to help broadly disseminate the information about each candidate. The included statements will also be available for review with the electronic ballot. All candidates were asked to submit biographical material and, with the exception of committee member nominees, position statements. To attain uniformity of format, the biographical data have been rearranged, and, where the text exceeded the allotted space, abbreviated. The 2019 election will be conducted electronically in conformance with 2019 Bylaws of the Northeastern Section. The order of candidates for each office in the election will be determined by lot. Comments regarding the election may be addressed to the Nominating Committee Chair, Mindy Levine (address on p.3). The deadline for the election will be May 31, 2019. ◇

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### 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 Biosciences 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.

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## Secretary

### *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, Sigma-Aldrich, Natick, MA 2001-2007; R&D Manager, MilliporeSigma, MA 2008-present.

**NESACS Service:** Councilor-NESACS 1996-2001, 2005-present; Alternate Councilor – NESACS 2002-2004; Board of Directors NESACS 1993-present; Secretary-NESACS 1998-present; Medicinal Chemistry Group (MCG) 1991-2001; MCG Treasurer (1992-1993), Program Chair (1994) Chair (1995-1996).

**ACS 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-present.

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

**Statement for Secretary:** During my tenure as Secretary for the NESACS, I

have worked consistently to increase the quality of communication within the section. Current Board related activity is being managed via electronic communications. This has allowed for more detailed record keeping of activities within NESACS. Meeting minutes, announcements and activities are now promptly posted on our section website ([www.nesacs.org](http://www.nesacs.org)) enabling our NESACS members to be up to date on all section activity. These next few years will see an increase in electronic communication within NESACS. I continue to work closely with the NESACS Administrative Coordinator to ensure communication within the section using the Constant Contact platform.

These past seven years, I have been actively working with the NESACS Archivist on developing a long term plan for the storage and indexing of the section archives. The archives are now successfully housed at Salem State University. Complete digitalization of the Archives is the current focus of the project.

As with any volunteer organization, the organization is only as strong as the membership and those volunteer members that actively participate in the planning and execution of the various events. The strength of the NESACS lies in its membership. For the membership to be strong, communication is critical. With your support for another term as Secretary for the NESACS I will strive to increase the flow of communication between all facets of our section membership.

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## Trustee

### *Dorothy Phillips*

**Academic Record:** Vanderbilt University, B.A., 1967; University of Cincinnati, Ph.D., 1974.

**Honors:** American Chemical Society Fellow, Class of 2010; Shirley B. Radding Award, ACS Santa Clara Valley Section, 2008; ACS Northeastern Section Henry A. Hill Award, 2006; ACS Nashville Section, Salute to Excellence Award, 2004; Vanderbilt University Dr. Dorothy J. Wingfield Phillips Endowed Chair and Chancellor's Fac-

ulty Fellows, 2015; Distinguished Chemist Award, The New England Institute of Chemists, 2011; Waters Leadership Award for Outstanding Contributions to Waters and Waters' Community, 2008; Vanderbilt University, Dr. Dorothy Wingfield Phillips Award for Leadership, 2007; Distinguished Alumni, University of Cincinnati, McMickens College of Arts and Sciences, 1994 and Center for Women Studies, 1993.

**Professional Positions** (for past 10 years): Retired, Waters Corporation, 1984-13; Director, Strategic Marketing, 2006-13; Director, Clinical Marketing, 2004-06.

**Service in ACS National Offices:** Board of Directors, Director-at-Large, 2014-19, Councilor, ex officio, 2014-19; Executive Committee, 2016-19, Board Committee on Public Affairs & Public Relations, 2015; Board Committee on Professional & Member Relations, 2014-19, chair 2018, 2019; Board Liaison for ACS Science & Human Rights Initiatives, 2014-19; Board Standing Committee on Strategic Planning, 2016-17, Corporation Associate, Liaison, 2015-16, Consultant, 2017; Development Advisory Board, 2017-19; Council Policy Committee, 2008-13; Committee on Committees, 2001-06; Committee on Divisional Activities, 2007-08; Committee on International Activities, Committee Associate, 1998; Committee on Membership Affairs, 1997-2000, Committee Associate, 1996; Undergraduate Programs Advisory Board, 2013; Presidential Task Force, "Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise", 2012.

**Service in ACS Offices:** *Northeastern Section:* Councilor, 1995-13; Chair, 1993; Chair-Elect and Program Chair, 1992; Project SEED, Committee Chair, 1994-95; Nominating Committee, Chair, 1994; Centennial Celebration, Co-Chair, 1998; Awards Committee, Chair, 2009-19; Trustee 2014-19, Chair, 2016. *Analytical Chemistry Division:* Chair, 2009-10; Program Chair, 2008-09, Chair-Elect, 2007-08, Immediate Past-Chair, 2008-09, Fundraising Committee Chair, 2012-13.

**Member (current):** Member ACS since 1973. National Organization for

the Professional Advancement of Black Chemists and Chemical Engineers; Sigma Xi; Alpha Kappa Alpha Sorority, Inc. *ACS Divisions*: Agrochemicals; American Association of Chemistry Teachers; Analytical Chemistry; Biological Chemistry; and Business Development and Management.

**Related Activities:** African-American Women Chemists in the Modern Era, J.E. Brown, Chapter 2.1 pp 5-23; 2018 Spearheaded Waters sponsorship of the Frank H. Field and Joe L. Franklin Award for Outstanding Achievements in Mass Spectrometry and the ACS Award in Separation Science and Technology; Keynote or invited speaker at the 15<sup>th</sup> International Conference of the Indian Society of Chemists & Biologists, Rajkot, India, 2011; The International Conference on Chemistry for Mankind, Innovative Ideas in Life Sciences, Nagpur, India, 2011; Third Annual PepCon Conference, Beijing, China, 2010; Co-editor and chapter co-author in ACS Symposium Series 1288. Responsible Conduct in Chemistry Research and Practice: Global Perspective, 2019.

**Statement:** I am a candidate for a third term on the ACS Northeastern Section Board of Trustees; I would appreciate your vote. During my first term in 2016 I served as chair of the Trustees. While serving on this board I acquired knowledge about NESACS' investment portfolio and its management. My expertise also increased due to the fiduciary responsibility of the ACS Board of Directors; I am in my sixth years as a Director-at-Large on the ACS Board. During my 38-year industrial career I acquired skills and expertise in financial management as a director at Waters Corporation. Combining the expertise gained in industry and in ACS I am qualified to be re-elected for a third term as a Trustee. If re-elected, I promise to continue to work actively with the other Trustees, the Treasurer and our Financial Advisor to manage NESACS funds to address budget and new programs requests. Thank you for your vote.

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## Councilor/Alternate Councilor

*Lisa A. Marcaurelle*

**Education:** B.A. Chemistry 1997, College of the Holy Cross; Ph.D. Chemistry 2001, University of California, Berkeley; Postdoctoral Fellow, Massachusetts Institute of Technology 2001-2002

**Professional Career:** Director, Chemistry, GlaxoSmithKline 2018-present; Senior Director, Chemistry, Warp Drive Bio 2016-2018; Vice President, Discovery Chemistry, H3 Biomedicine 2011-2016; Director, Chemistry, Broad Institute 2007-2011; Lead Senior Scientist/Senior Scientist/Scientist, Infinity Pharmaceuticals 2002-2007

**ACS Service:** 2019 Chair-Elect, Division of Organic Chemistry (DOC), National Organic Symposium Executive Officer, DOC 2017-2019; Member-At-Large, DOC 2015-2017; DOC Communications Committee, Chair, 2015-2017; DOC SURF Committee, Member 2015-present; DOC Awards Committee, Member 2015; Councilor, Northeastern Section of the ACS (NESACS) 2017-present; NESACS Medicinal Chemistry Symposium Planning Committee, 2015-2016, 2019; Board Member of ACS Committee on the Petroleum Research Fund 2015-present; ACS Central Science, Editorial Advisory Board Member, 2015-present; Member of ACS 1996-present (ORGN and MEDI Divisions); **Other Professional Service:** Gordon Research Conference on High-Throughput Chemistry & Chemical Biology, Chair 2013, Vice Chair 2011

**Honors and Awards:** ACS Women Chemists Committee Rising Star Award 2013; DOC Young Investigator Symposium 2011; ACS DOC Graduate Fellowship 2000; Roche Bioscience Graduate Research Fellowship 1999; American Institute of Chemists Foundation Award 1997; Phi Beta Kappa 1996; **Research Interests:** Drug discovery, chemical technologies, chemical biology, high-throughput screening, medicinal chemistry, natural products.

**Position statement:** I am honored to be considered for re-election as a Councilor for NESACS this year. My passion

for connecting chemists is what continues to inspire me to participate in ACS governance at both a local and national level. I volunteer for the ACS as I am committed to ensuring we continue to provide chemists with ample opportunities to come together to share science and network. In the Boston area we are fortunate to have a vibrant scientific community which facilitates quality scientific programming. While our events attract many local chemists, I believe there is an opportunity for even broader engagement, including attracting new volunteers, especially as new companies continue to move to the area. It is at these NESACS-sponsored events that we learn what is important to our colleagues to ensure the opinions of our local section are well-represented at a national level. As a Councilor I would continue to raise awareness of these valuable events to further connect the community to ACS and recruit new volunteers.

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## Mary Jane Shultz

**Education:** B.S. (Honors) 1970, U. Wis.; Ph.D., 1975, MIT.

**Positions:** Visiting Professor, Chinese Academy of Sciences, 2013-to date; Chair, Department of Chemistry, Tufts University, 2000-2006; Professor (Assistant, Associate, Full), Tufts University, 1979-to date; Visiting Professor, M.I.T., 1985-87; Assistant Professor, University of Massachusetts, Boston, 1978-79; Research Associate/Lecturer, Boston College, 1977-78; Research Fellow, Harvard University, 1976-77; Radcliffe Fellow, 1976-77; Postdoctoral Associate, U. Calif., Berkeley, 1975-76.

**ACS Service:** Women's Chemists Committee, 2012-to date; Alternate Councilor, Physical Chemistry Division, 2010-2013; Executive Committee, Physical Chemistry Division, 2010-2013; Multidisciplinary Program Planning Committee (211-212).

**NESACS Service:** Richards Award Committee, 2015-2019; Councilor Northeastern Section, 2011-2019; Chair, Norris Award Committee, 2011-2014, 1988-1991, Board of Directors, 2009-to date.

**Memberships:** American Chemical

Society, Division memberships: Physical Chemistry, Colloid and Surface, Chemical Education, Environmental Chemistry; American Association for the Advancement of Science; American Physical Society; Sigma Xi, Iota Sigma Pi (ISP).

**Honors:** AAAS Fellow; ACS Fellow, Radcliffe Fellow

**Position statement:** It seems that diversity and inclusion are in the news daily. Many studies show that corporate profits increase, workplaces are more fulfilling, and students thrive when more voices are included. It is my firm belief that all voices are needed if the World is to meet the chemical challenges that face it; ranging from human health to global warming. At the local level, I have actively campaigned for inclusion while chairing (three times) the James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry, promoting gender, racial and national diversity among the winners.

At the national level, I am a member of the Women Chemists Committee (WCC). As a member of WCC, I helped launch the Rising Star Award for mid-career women and am now managing the awards, recognition, and retention Project Group. Our goal is to showcase the success of women in the chemical enterprise. One of our recent projects was catalyzing an issue of the Journal of Physical Chemistry recognizing the 150th birthday of Marie Currie with contributions from 66 female editors and officers of the physical division, symbolizing the 66 years of Marie Currie's life. Another project is the Mom the Chemistry Professor book filled with stories of the varied paths of women Professors.

As a councilor, I am also a member of the NESACS board. Our section is one of the largest in the society having an active and accomplished membership. I am honored to be selected to run for councilor; if elected I will continue to represent our interests at both the local and National level.

As a chemist, I am intensely interested in interactions at soft and nanoparticle interfaces; interactions that shape our bodies, our environment, and indeed the Universe. I have invented instru-

ments and techniques in pursuit of generating a molecular-level picture of these interfaces. "Seeing" at the molecular level enables manipulation at the macroscopic level to solve challenges still facing the world.

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### *Jens Breffke*

**Education:** Diplom, Physical Chemistry, Humboldt-University of Berlin (2008); Visiting Research Scholar, Universidad de Santiago de Compostela (2006-2007); Ph.D., Physical Chemistry, The Pennsylvania State University (2014); Postdoctoral Fellow, National Institute of Standards and Technology (2014-2017)

**Professional Experience:** Application Specialist, Boston Electronics Corporation (2017 – present)

**Awards:** IUPAC Young Observer, National Academy of Sciences (2017); Global Innovation Award, ACS Office of International Activities (2012 & 2015); Innovative Project Grant, ACS Local Section Activities Committee (2011 & 2015); Seed Grant, ACS Corporation Associates (2011 & 2015); ACS Leadership Development Award (2013); Harry and Catherine Dalalian Travel Fellowship (2009 & 2011); Evonik Industries Thesis Research Scholarship (2008); Leonardo da Vinci II Scholarship, German Academic Exchange Service (DAAD) (2007)

**Society Service:** Chair, ACS International Activities Committee (IAC) (2018 – present); Associate, ACS IAC (2016); ACS Younger Chemists Committee (YCC) International Presence Working Group Leader (2013–2015); President, PA Centre County Homebrew Club (2012–2014); Member, ACS YCC (2010–2015); Board Member, European Young Chemists Network (EYCN); Chair, JungChemikerForum (JCF), German Chemical Society (GDCh) (2006–2007)

**Personal Statement:** I moved to the Boston area in 2017 but have been acquainted with NESACS for much longer. As chair of the German Jung-ChemikerForum (JCF) I came in 2007 as part of the German Exchange (GEX) program and I have been an advocate of this program ever since. During my term

servicing the national Younger Chemists Committee (YCC) I founded a nationwide equivalent program Younger Chemists Crossing Borders (YCCB) program which is ongoing till this day, with credit always given to NESACS. As chair of the ACS International Activities Committee (IAC) and together with the national YCC we're advocating for the establishment of this exchange program as an ACS Award and funded by the Society, continuing the vision of many NESACS members. I assisted and supported NESACS activities throughout my national committee appointments and hope you will give me the opportunity to represent this great local section also at ACS Council as a NESACS Councilor. Thank you for your vote!

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### *Kap-Sun Yeung*

**Education:** B.Sc. (1<sup>st</sup> Class Honors), The Chinese University of Hong Kong, 1990; Ph.D. University of Cambridge, UK, 1994; Postdoctoral Fellow, Scripps Research Institute, La Jolla, CA, 1995-1996.

**Professional Experience:** Discovery Chemistry, Bristol-Myers Squibb (joined BMS, Wallingford, CT in 1996; relocated to BMS, Cambridge, MA in November, 2019), current position: Senior Principal Scientist.

**ACS Service:** Committee on International Activities (Member 2019-2021; Associate Member 2016-2018), The first Asia Pacific International Chapters Conference, Scientific Program Committee (Member 2016-2017); ACS Northeast Regional Meeting (NERM 2013), New Haven, CT (Program Co-Chair, Organizing Committee 2011-2013); New Haven Local Section, Councilor, Board Member (2016-2018), Alternate Councilor, Board Member (2015), Bylaws Update Chair (2016-2018). Organizer/co-organizer for fifteen MEDI Division sessions at ACS National Meetings, including two MEDI-sponsored sessions at EFMC (Germany) and AFMC (South Korea) symposiums (2009 to present).

**NESACS Service:** Organizing Committee Chair, NESACS Medicinal Chemistry Symposium, February 2019,

at BMS Cambridge, in collaboration with NESACS Medicinal Chemistry group.

**Statement:** As a former councilor for the New Haven Section, I led the efforts that successfully updated the 15-year old Bylaws of the Section. I was the program co-chair for the 2013 NERM, a meeting that exceeded expectation in scientific abstracts and meeting attendees. These are two contributions to the New Haven Section that I am particularly proud of. I am also pleased that I was part of an effort in the petition for a Bylaw change to remove certain restrictions on ACS International Chapters, and that was approved in the Council meeting in Boston last year. Being a newcomer to the Northeastern Section, I will look for opportunities where I can help the most to promote the growth of the Section and to connect the members to organizations within and outside of ACS. Through my participation in ACS both at Local and National levels, I believe that in ACS, every opinion counts regardless of one's personal and professional background, and every volunteer effort is valued no matter it is small or big. I always look for diversity, and I encourage you to volunteer in ACS activities. I would be honored to be your councilor to represent your voice in ACS.

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### **Sofia Santos**

**Education:** Master's in Pharmaceutical Sciences, 2011, University of Lisbon- Faculty of Pharmacy, Lisbon, Portugal; Ph. D. in Pharmaceutical Sciences with specialty in Medicinal Chemistry, 2016, University of Lisbon- Faculty of Pharmacy, Lisbon, Portugal/ Massachusetts General Hospital, Boston- Massachusetts.

**Professional Experience:** Technical Specialist at the IP Law firm Finnegan, Henderson, Farabow, Garrett & Dunner LLP, Boston 2018. Research Fellow at Harvard Medical School and Massachusetts General Hospital, Boston, Massachusetts. PhD researcher at Center for Systems Biology, 2016, Massachusetts General Hospital, Boston, Massachusetts.

**Honors/Professional Activity:** Fun-

dação para a Ciência e Tecnologia, Research Predoctoral Fellowship, 2012-2016; Merck Women in Chemistry Symposium, Best Poster Award, 2015.

**ACS Service:** 2016-2017 Career Chair in the local Younger Chemists Committee (YCC); 2017-2019 Alternate Councilor of NESACS; Member of Organic and Medicinal Chemistry Divisions of the ACS; 2018-2020 Councilor of NESACS; Active member of the executive board in the local Younger Chemists Committee (YCC) since 2015. Active member of the executive board in the Division of Chemistry and the Law since 2018.

**Memberships:** American Chemical Society (ACS), New England Section of the American Chemical Society (NESACS), Younger Chemists Committee (YCC), Portuguese Chemical Society (SPQ), Massachusetts General Hospital Postdoc Association (MGPA), Association for Women in Science (AWIS), Massachusetts Chapter of Association for Women in Science (MassAWIS), Portuguese Board of Pharmacists.

**Statement:** It would be an honor to serve as a NESACS Councilor. If elected, I would bring my expertise as a scientist and pharmacist to this role and apply my hands-on experiences as a YCC board member to support our local section. My areas of focus are: 1) to increase engagement and participation among NESACS members, especially younger chemists, in our local community, through support of diverse scientific talks, better communication of volunteer opportunities, and special events; 2) to provide career-oriented programming and networking opportunities for the NESACS community; and 3) to support novel technical and social programming for NESACS members to offer alternative ways for traditional NESACS members to become involved.

Thank you for your support.

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### **Sonja Strah-Pleyner**

**Education:** Ph.D. Organic Chemistry (1996); M.S. Organic Chemistry (1993); B.S. Chemistry (1990), University of Ljubljana, Slovenia; Postdoctoral Fellow, University of Florida (1997-1998); University of California, San Diego

(1998-1999).

**Professional Experience:** Fish & Richardson, P.C., Technology Specialist (2018-present); RSM, Teacher (2013-2018); National Science Foundation, Reviewer (2012); Thermedical, Inc. (2012); Arena Pharmaceuticals (1999-2009); Senior Scientist, Medicinal Chemistry (2006-2009); Research Scientist (1999-2006).

**ACS Service:** Member since 1998; *ACS Divisions:* Organic and Medicinal Chemistry, Chemistry and the Law; ACS Council (2004-Present); Presidential Task Force "Vision 2025", Member (2012-2013); ACS National Award Selection Committee, Member (2011-2013); Committee on Chemistry and Public Affairs, Associate (2013), Committee on Economic and Professional Affairs (CEPA), Member (2007-2012), CEPA Liaison to Committee on Minority Affairs (2008-2012); CEPA Liaison to Committee on International Activities (2011-2012); ACS Legislative Action Network, Member (2006-Present); CEPA Task Force on Globalization (2008-2009); *San Diego Section:* Executive Board Member (2000-2012), Councilor (2004-2012), Alternate Councilor (2000-2003); Government Affairs Committee, Chair (2007-2010); *Western Regional Meeting:* Invited speaker, Women Chemist Symposium (2006); ACS Host Local Section Volunteer (2007).

**NESACS Service:** Board of Directors (2013-Present); Chair, NESACS Host Local Section Committee, ACS National Meeting, Boston, MA (2015); Alternate Councilor (2013-Present), Government Affairs Committee (2010-Present), STEM Outreach, Science Fairs (2011-Present).

**Awards and Honors:** ACS Salutes to Excellence Recipient, CEPA (2012), ACS ChemLuminary Award - ACS President's Award for Local Section Government Affairs (2010); American Chemical Society Certificate of Achievement, ACS San Diego Section (2008); Outstanding Medicinal Chemistry Team Award, Arena Pharmaceuticals (2007); Postdoctoral Fellowship from Ministry of Science and Technology, Slovenia (1997); First Prize Winner at 26<sup>th</sup> KRKA Pharmaceuticals Research

Awards (1996); Graduate Research Scholarship of Ministry of Science and Technology, Slovenia (1991-1996).

**Statement:** I am honored to be nominated to the position of Councilor for the Northeastern Section. I have over fifteen years of ACS volunteer and leadership experience on local and national level, combined with ten years of biopharmaceutical industry experience. I have been an active NESACS member since 2010 and had a privilege of serving as an Alternate Councilor and a member of the Board of Directors for the past seven years. I chaired the NESACS Host Local Section Committee, helping to make the 2015 Fall ACS National Meeting in Boston a huge success, hosting over 13,000 attendees. In this role, I had the opportunity to recruit and engage many NESACS members from academia and industry, several of them first time volunteers. As a passionate advocate for STEM education and research, I have shared my professional experience with students, teachers and younger chemists, through classroom visits, science fairs or career development symposia, helping our members navigate career changes and explore new ways to thrive in the global chemistry enterprise. As a Councilor, I will use this experience to continue fostering communication and collaboration between ACS members in industry, academia and government; our younger and senior chemists; our local section and national ACS, work with NESACS leadership to develop programs that will help engage and benefit our diverse membership.

Thank you for your vote!

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### **Tom Gilbert**

**Academic Record:** Clarkson College of Technology, B.S., 1968; Massachusetts Institute of Technology, Ph.D., 1971.

**Honors:** ACS Fellow, 2011; Henry A. Hill Memorial Award, 2010; Outstanding Teacher of First Year Students Award, College of Engineering, Northeastern University, 2010, 2013, 2015; Excellence in Teaching Award, Northeastern University, 1999.

**Professional Positions (for past 10**

**years):** Northeastern University, Acting Chair, Department of Chemistry and Chemical Biology, 2015-16; Academic Director, Professional Science Masters Programs in Biotechnology, 2009-11.

**Service in ACS National Offices:** Membership Affairs Committee (MAC), member, 2017 to date; Board of Directors, Director, District I, 2013-15; Council Policy Committee, 2007-12, Vice-Chair, 2008-10; Long-Range Planning Subcommittee, Chair, 2008-12; Committee on Nominations and Elections, 2001-06, Vice-Chair, 2004-06; Committee on Meetings and Expositions, 1995-2000, Chair, 2000; Task Force on Web-Based Resources for Volunteers, Chair, 2015-2016; ACS Network Task Force, Chair, 2014.

**Service in ACS Offices:** Member ACS since 1968. *Northeastern Section:* Councilor, 1990-2012 and 2017 to date; Chair, 1988; Chair-Elect, 1987; NESACS-GDCh Student Exchange Program Co-Chair, 2016 – present; Nominations Committee, 2016 – 2017, Chair, 1989; Long-Range Planning Committee Chair, 1989. *Northeast Regional Meeting:* General Chair, 1993. *Division of Analytical Chemistry: 46<sup>th</sup> Annual Summer Symposium on Analytical Chemistry*, Co-Chair Organizing Committee, 1993.

**Member:** ACS Divisions: Analytical Chemistry and Chemical Education.

**Related Activities:** International Symposia on High Performance Capillary Electrophoresis, Vice-Chair Organizing Committees, 1993-96, 1998, and 1999; Published 45 journal articles and two general chemistry textbooks (in their 5<sup>th</sup> and 2<sup>nd</sup> editions), holds three patents.

**Statement:** If elected to Council I will focus my energy in two areas:

**Increase the value of ACS membership** I will work with the other members of MAC and ACS staff to launch dues categories and benefits packages that will make ACS membership more valuable to a broad cross section of chemistry professionals including student members, recent graduates just entering the workforce, early and mid-career professionals, chemists who have transitioned into management and administrative roles, those entrepreneur-

ial chemists launching their own businesses, and members approaching retirement. New standing rules adopted by ACS Council at the Spring, 2019 national meeting now enables MAC and ACS staff to effectively address both sides of the membership cost-benefit equation.

**Academic-industrial partnerships in education** ACS is currently exploring ways to better align undergraduate and graduate education in chemistry to the growing interdisciplinary nature of many of the new jobs in the chemical sciences. Recent graduates need a broader base of knowledge and skills and cross-disciplinary experiences if they are to find employment in today's chemical enterprise. An effective and efficient way to provide this preparation is through partnerships between academic and industrial chemists that include paid industrial internships and cooperative education experiences. A number of universities (including mine) offer this blend of academic and experiential education and their students and their corporate partners have reaped the benefits. ACS, with its strong industrial base and ties large corporations and small chemistry businesses, is uniquely positioned to serve as a catalyst in launching a national experiential education program in the chemistry.

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### **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, Sigma-Aldrich, Natick, MA 2001-2007; R&D Manager, MilliporeSigma, MA 2008-present.

**NESACS Service:** Councilor-NESACS 1996-2001, 2005-present; Alternate Councilor – NESACS 2002-2004; Board of Directors NESACS 1993-present; Secretary-NESACS 1998-present; Medicinal Chemistry Group (MCG)

1991-2001; MCG Treasurer (1992-1993), Program Chair (1994) Chair (1995-1996).

**ACS 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-present.

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

**Statement:** The Northeastern Section of the American Chemical Society has over 6400 members. Our collective voice needs to be heard. During my tenure as Councilor and Alternate Councilor for the NESACS I have had the opportunity to bring that voice directly to the attention of the national officers of the American Chemical Society. Maintaining open communication between the local and national officers of the ACS is critical to the growth of our professional organization.

Currently, I am serving on the Meetings and Expositions Committee. This committee is charged with oversight of the National and Regional ACS Meetings, including the Technical Program, Site Selection, and Exposition. This committee has exposed me a better understanding of ACS Operations and how best to integrate NESACS activities with the National ACS activities. For example, at the August 2015 and 2018 ACS meetings in Boston, I was able to have a link to The Nucleus added to the ACS Mobile Application. This saved the section the cost of printing and circulating over 5,000 copies of the Nucleus at the National Meeting.

As your local elected representative to the National ACS Council I would hope that you would contact me with any concerns and issues ([Michael.singer@sial.com](mailto:Michael.singer@sial.com)) so I may direct them to the appropriate offices of the ACS. With your support and vote I pledge to continue to work as a voice for the local membership

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**Leland L. Johnson, Jr.**

**Education:** Virginia Tech, BS, 1993; Virginia Commonwealth University,

MS, 2003; Boston University, MA, 2008.

**Professional Experience:** Euretos, Director of Business Development, North America, 2018-present; WuXi AppTec, Key Account Manager, 2017-2018; Conditas Biotechnology Group, Founder, 2010-2018; BetaStem Therapeutics, VP Development, 2013-2015; CreaGen Biosciences, Business Development Manager, 2009-2010; Novartis, SA II, 2008-2009; Adenosine Therapeutics, 2002-2003; Insmad, Research Associate, 1999-2002.

**Honors/Awards:** Member, Alpha Chi Sigma; 1990-present; Chemluminary Award to NSYCC, (2007); Delegate, German Exchange, Konstanz (2006); Top Ten Poster, JCF-Fruhejahrssymposium, Konstanz, Germany (2006).

**Service in NESACS offices:** NESACS Nominations Chair; NESACS Chair of (Constitution and) Bylaws Committee 2017-present; Chem Bio Committee Co-Chair, 2017-present; NESACS Chair 2017, NESACS Program Chair, 2016; Chair, Exchange Program to Germany, 2015-2017; Facilitator Kiel (2016) and Jena (2014); Alternate Councilor, 2014-2017, Councilor, 2011-2013, 2018-2019; Fundraising Committee Member, 2013-present; Public Relations Chair, 2009-2011; YCC Chair, 2008-2009; YCC Career Chair, 2007-2008; Organized Novartis/NESACS Town Hall Forum, FEB-2010, Organized Schlumberger/NESACS /Henry A. Hill Award Meeting, OCT-2011; Black History Month Panel, Joint Meeting with NOBCCHE, FEB-2016; Meeting at Takeda featuring George Whitesides, MAR-2016; Education Meeting at A123 featuring Luke Roberson (NASA), MAY-2016.

**Statement:** It has been an honor to volunteer as Councilor from NESACS and for the members of NESACS. The Council functions as a sort of “House of Representatives” for certain issues before the ACS. Traveling to National Meetings for Council and for international scientific exchange as well as networking continues to be an excellent way to engage chemists from across the nation and around the world. At each Spring National Meeting, the Council

votes on which nominees for President will make the ballot. At the past meeting, we also voted to revamp and to make easier changes to the constitution, bylaws, and standing rules. This is a double-edged sword, and I’d like to know your thoughts.

If elected as Councilor, I will continue to network with our members at monthly meetings and many other events in order to understand the concerns and needs of our colleagues across the many fields of chemistry. I take the responsibility of representing NESACS and your interests very seriously. My path into NESACS came from the German Exchange Program and one of the great former Chairs of NESACS. I encourage Younger Chemists to be involved in NESACS. For me, NESACS service has helped me through each of my career transitions. I am indebted to the section. As a councilor and alternate councilor for the past eight years, I have taken each opportunity to travel to the national meetings that I have been given. From these council meetings and presence at National Meetings, I have been able to secure numerous speakers for the benefit of NESACS members and the greater Boston community. I will continue these efforts with your support.

As a councilor, I will accurately represent the interests of NESACS at every national meeting of the American Chemical Society. As a councilor, I will work with the section to increase participation in NESACS events, since these events can certainly aid the development of multiple career types in the chemical sciences. I will continually strive to promote projects and programs that have a broad and positive impact for our section and our members. I look forward to speaking with you at the next monthly meeting, NESACS event, or other networking opportunity. Let’s discuss how NESACS and the national ACS might help each of us.

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**Mary Mahaney**

**Education:** B.A. Emmanuel College (1971); M.S. Northeastern University (1973); Dr. rer. nat. University of Constance, Germany (1977); M.B.A.

Worcester Polytechnic Institute (1966)

**Professional Experience:** Haartz Corporation (1999 – present); Polaroid Corporation (1982 – 1998); University of Zurich, Switzerland (1979 – 1981); University of Constance, Germany (1977 – 1879)

**NESACS Service:** Member since 1977. Continuing Education Committee (1998 – 2008), Richards Medal Committee (2000 – 2004), Norris Award Committee (2014 – 2018), Alternative Councilor (2005 – 2007 and 2013 – present), Board of Publications (2004 – present)

**Statement:** I am proud to be a member of the American Chemical Society and am deeply committed to the Northeastern Section. It has been an honor to serve on multiple committees. I am currently an Alternate Councilor and serve of the Board of Publications. I would appreciate your vote to serve our section as Councilor.

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### **Malika Jeffries-EL**

Malika Jeffries-EL is an Associate Professor at Boston University with appointments in Chemistry and Materials Science and Engineering. She also serves as the director of the graduate program in Chemistry.

**Education:** B.A. Chem, Wellesley College; Ph. D., The George Washington University; Postdoctoral Fellow, Carnegie Mellon University with R.D. McCullough

**Professional Experience:** Associate Professor, Department of Chemistry and Division of Materials Science and Engineering, Boston University, 2016 – present; Martin Luther King Jr. Visiting Professor MIT 2015; Associate Professor of Chemistry, Iowa State University, 2012 – 2016; Assistant Professor of Chemistry, Iowa State University, 2005 – 2012;

**ACS Service:** Associate, Women Chemistry Committee 2019 – ; Division of Organic Chemistry Alternate Councilor 2017 – 2018; Division of Organic Chemistry Member-at-large 2014 – 2017; Program Chair, Division of Polymer Chemistry 2014 – 2016; Councilor – Ames Local Section 2011 – 2015; Editorial Advisory Board, *Macromolecules*, 2012 – 2014; advisory board for

the ACS Women Chemist of Color Initiative 2010 – present; Editorial Advisory Board, *Chemical and Engineering News*, 2010 – 2012; ACS Society Committee on Education (SocEd) 2009 – 2014; ACS Younger Chemist Committee (YCC) 2002 – 2009.

**NESACS Services:** ACS Fellows canvassing committee 2019 –

**Relevant Memberships:** Member Royal Society of Chemistry; Associate Editor, *Journal of Materials Chemistry C*, 2013-present.

**Honors:** ACS Fellow, Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences 2015; Iota Sigma Pi Agnes Fay Morgan Award 2014; ACS Women Chemist Committee Rising Star award 2012; the Lloyd Ferguson Award from the National Organization of Black Chemist and Chemical Engineers 2009; NSF CAREER award 2009; 3M untenured faculty award 2008.

**Research interests:** organic synthesis and organic electronics.

**Personal statement:** Prior to moving to Boston, I have had a solid track record of service to the ACS at the National and local level. I believe that my previous experience has prepared me to be of service to the Northeastern Section in many ways. I am active on the Women Chemists Committee, and would like to help develop local activities for the professional development of our female members. As your councilor, I will work to protect the interest of NESACS and also increase the prominence and visibility of its members. I have previously served on canvassing and selection committees for ACS national awards and thus think that I can be helpful in that regard. I have also been a staunch supporter of diversity and if elected, I will work hard to encourage participation of women and minorities in our chapters programs and also develop new ones targeting younger members.

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### **Ashis Saha**

**Education:** M.Sc. Chemistry IIT Kanpur, India, Ph.D. Chemistry Univ. Michigan, Ann Arbor, Post-doctoral fellow: University of California, Berkeley

**Professional Experience:** Medicinal Chemist, Co-founder & CSO Dover Lifesciences, Boston 2015-to date. VP, Discovery Research TCG Lifesciences, Boston & Kolkata, India 2007- 2015; Executive Director, Predix, Lexington, MA 2005-06; Director, Praecis, Waltham, MA 2004-05; Group Leader, Viropharma, Exton, PA 2001-2004; Principal Scientist, Johnson & Johnson (Janssen), Spring House, PA 1995-2000.

**Chemistry & NESACS Service:** ACS Member since 1983. POCC (Philadelphia Organic Chemistry Club, Univ of Pennsylvania): Chair Elect & Chair 2000-2002. Seminar Committee Chair: Janssen. NESACS: Organizing committee member, Process Chemistry, 2008-10. Treasurer, 2017-to date.

**Statement:** It is an honor to be an active member of the Northeastern Section of the American Chemical Society. As a NESACS alternate Councilor for last year, I had the opportunity to learn the value of member service to the National organization. Serving NESACS as Treasurer for past three years, I focused my energy on two areas: 1) efficient online tools for streamlined financial/accounting practices; and 2) improving our communication with our members. I worked to establish online banking practices for outgoing payments for improved efficiency. Our bookkeeping practices were improved with my identification and hiring of a professional bookkeeper for everyday needs. I have helped facilitate fundraising and expense tracking for all of the four major NESACS chemistry symposia. Working with the board and NESACS committee chairs/members I aim to continue delivering practices that are the best in class and serve members in most efficient manner. With your support, I would continue my work in NESACS, particularly in the area of finance but also beyond. At the ACS, I would like to serve in the budget and finance committee among a few other areas such as committee of professional training. With your gracious vote, I hope to serve as councilor allowing me to contribute with my experience and time. Thanks you!



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## Director-at-Large

### Mark Tebbe

**Education:** B.S. (Chemistry) University of Notre Dame; Ph.D. (Organic Chemistry) Stanford University

**Professional Experience:** Eli Lilly (1994-2010), Head of chemistry, Lilly-Hamburg (2000-2003), Head of Chemistry, Lilly-Research Triangle Park (2003-2004), Head – Global Discovery Chemistry Operations (2004-2006), Sr. Research Advisor (2007-2010); Forma Therapeutics (2010-2013), VP Medicinal and Computational Chemistry; Quartet Medicine (2014-2017), Head of Drug Discovery; Atlas Venture (2017-present) Entrepreneur-in-residence; Quench Bio (2018-present), Chief Technology Officer

**American Chemical Society:** Member, 1986-present

**NESACS:** Member, 2010-present; Fund-raising Committee Chair, 2013-2016; Councilor, 2015-2017; Norris Award Committee Member 2016-2018; Norris Award Chair 2017 and 2018

**Statement:** I have been involved with NESACS for many years now and looking for every increasing roles of responsibility and impact with this organization. I am a very diligent and reliable member of NESACS. I work hard at any position I am given. I will be especially honored to be elected to this position and entrusted with serving the larger community. I feel that the Director-at-Large position will allow me to influence the greater organization and continue to serve the chemistry community, share experiences and learn more about the ACS and NESACS in the process.

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### David Harris

**Education:** B.S., Chemistry, Boston College, 1976; Ph.D. Organic Chemistry, Brandeis University, 1982; Post-doctoral Research Associate, Massachusetts Institute of Technology, (1982-1984).

**Professional Experience:** Principle Scientist Chemical Process Research (highest position), Schering-Plough Corporation, (1984-1990); Group Leader (1990-1992), Senior Scientist

(1992-1994), Associate Director Chemistry (1994-1997), Senior Director Chemistry (2001-2004), Vice President of Chemical Process Development (2004-2008), Group Vice President Pharmaceutical Development Sciences (2008-2011) Genzyme Corporation; Group Vice President and Acting Head of Drug & Biomaterial R&D (2011-2012), Head of Pre-Development Sciences LGCR Boston, & Waltham Site Head (2012 – 2016) Sanofi/Genzyme, Head of Pre-Development Sciences US Pharmaceutical Development Platform, & Waltham Site Head (2016 – present) Sanofi.

**NESACS Service:** Director at Large 2011 to present; Member German Exchange Organizing Committee 2012; Medicinal Chemistry Group affiliation 2012 to 2016.

**Memberships:** American Chemical Society (Organic and Medicinal Chemistry Divisions), American Association for the Advancement of Science, American Association of Pharmaceutical Sciences.

**Statement:** It is both an honor and a privilege to be nominated for the position of Director-at-Large for the Northeast Section. My chemistry experiences are diverse. I have led successful teams in both discovery and development areas. I am a co-inventor in three technologically distinct areas that include one product now on the market and two candidates that reached the clinic. They are an oral enzyme inhibitor marketed for Gaucher disease type 1 (eliglustat/Cerdelga), a polymeric phosphate binder for renal disease, and a cationic lipid gene transfer agent for cystic fibrosis. My team and I also led the development of Cerdelga through to commercial launch. In my current role at Sanofi I lead the Synthesis Development, Early Formulation Development, and Analytical R&D organizations, as well as lead the Sanofi Waltham Site. Major functions of NESACS include representing the interests of its members and providing opportunities for members to interact, network, and disseminate information. Many of the most important advances come at the intersection of scientific disciplines, throughout my professional career I have

actively promoted strong collaborations between biologists, pharmacists, and chemists of all sub-disciplines. The ACS and NESACS need to continue to evolve and collaborate with those on chemistry's frontiers for the benefit of our members and society in general. Through the Boston College and Brandeis University alumni network, I often share my broad experiences in the biopharmaceutical industry with young scientists as they examine potential careers. I believe my extensive experiences in chemistry, my belief in the power of collaboration, my interest in assisting young chemists, and my leadership position at a major pharmaceutical company will provide me with an excellent background to be an effective Director-at-Large. With the help of your vote I will strive to promote NESACS visibility and increase industrial participation at NESACS events (for example by hosting events at our Waltham site as done annually since 2012) and to support the health and growth of NESACS.

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### Michael P. Filosa

**Education:** B. Sc., Massachusetts Institute of Technology (1974), Ph.D., Harvard University, (1980), Babson School of Executive Education (1988).

**Honors:** Phi Beta Kappa, Phi Lambda Upsilon, Merck Award (1974), Dreyfus Foundation Scholar (1975), NESACS Henry A. Hill Award (2012).

**Experience:** Polaroid Corporation (1979-2005); Scientist, Group Leader, Senior Manager of Chemistry; ZINK Imaging, Inc.; Senior Manager of Chemistry (2005-2013); Performance Indicator, LLC. Chemistry Manager (2014-2018); Bambu Vault (2018-Present).

**NESACS and ACS Service:** ACS Member since 1976. Alternate Councilor (1997-1999; 2005-2008), Councilor (2009-2019); Director-at-Large (2017-2019); Editor of the *Nucleus* (2005-present). Board of Publications (2005-Present), Heyn Award Committee (2006-Present). Nominating Committee (2010, 2013, 2016, 2019). Local Organizing Committee for the 2007, 2010, 2013 Boston ACS National Meetings. Committee on Chemical Abstracts Serv-

ice (CCAS) Associate Member (2010) Full Committee Member (2011-19).

**Statement:** I would be honored to serve for three more years as Director-at-Large. I have been very involved with NESACS as editor of the Nucleus and as a Councilor since 2009. I will support the NESACS Board in its initiatives and continue to work for NESACS and the ACS at the National level. Thank you for your votes.

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## Nominating Committee

### *Joshua Sacher*

**Education:** Joshua received his Ph.D. in Chemistry from Penn State University in 2012, working under the direction of Steven Weinreb. Prior to that, he received his B.S. in Biochemistry from the University of Delaware, where he performed research with Douglass Taber.

**Professional Experience:** Since 2014, Joshua has worked at the Broad Institute of MIT and Harvard as part of both the medicinal chemistry and informatics groups. Before joining Broad, he performed postdoctoral research with Peter Wipf at the University of Pittsburgh. Outside of chemistry, Joshua has also served as a teaching fellow for computer science courses at Harvard College, Business School, and Extension School since 2018.

**NESACS Service:** Chair, Project SEED committee (2017-Present); Alternate Councilor (2018-Present)

**Memberships:** ACS (MEDI, COMP); AAAS

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### *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:** Executive Board Member, Northeastern Section Younger Chemists Committee (2015-Present); Committee Chair, Northeastern Section Membership Committee (2016-Present); Member, Northeastern Section Bylaws Committee (2017-Present), Member, Northeastern Section Nominating Committee (2019), Member, Northeastern Section Government Affairs Committee (2016-Present); Northeast Student Chemistry Research Conference Organizing Committee (2015, 2016, 2017, 2018, 2019); Logistics Coordinator, 2021 Northeast Regional Meeting

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### *Elizabeth Draganova*

**Education:** B.S. Biochemistry, Kennesaw State University, GA (2011); Ph.D. Chemistry, Georgia State University, GA (2016); Postdoctoral Scholar, Tufts University, MA (2016-present).

**ACS Service:** ACS Society on Chemical Education (SOCED) Task Force (2019 – present); ACS Graduate Executive Advisory Board (GEAB) Member (2018 – present); ACS Atlanta Local Section Member (2014 – 2016) – assisted in re-establishing the Women's Chemist Committee (WCC); ACS Biological Chemistry Division Member (2012 – present); ACS Member (2012 – present).

**NESACS Service:** NSYCC Chair (2018 – present); co-wrote the Local Section Members Engaging Through Technology (METT) Grant – funded.

**Relevant Memberships:** AAAS, Protein Society, and AWIS.

**Honors:** F32 National Research Service Award Postdoctoral Fellowship, NIH, (2017 – present); Training in Education and Critical Research Skills (TEACRS) Postdoctoral Affiliate, NIH/NIGMS K12 Award, (2017 – present); Natalie V. Zucker Research Grant, Tufts University (2017); Collaborative Research Travel Grant, Burroughs Wellcome Fund, (2017); Graduate Teaching Award, Georgia State University (2016); Younger Chemist Leadership Develop-

ment Award, National YCC, ACS (2016); Poster Award, Molecular Basis of Disease Research Day, Georgia State University (2015); Student Leader of the Year Award Nominee, Georgia State University (2015); Graduate Teaching Award, Georgia State University, (2015); Outstanding Professional Service, Georgia State University (2014); Molecular Basis of Disease Fellowship, Georgia State University (2012 – 2016); Graduate Teaching Award, Georgia State University, (2012); National Chemical Honors Society, Kennesaw State University, (2010 – 2011); HOPE Scholarship, Kennesaw State University, (2007 – 2011).

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## Richards Medal Committee

### *Mary Jane Shultz*

(See background information under Councilor/Alternate Councilor)

**Position Statement:** I have served as a member of the Richards Medal Award Committee for four years, most recently as the Chair. The committee is proud of the extremely strong pool of candidates for this award and our most recent winner: Chad Mirkin. (See the March issue of The Nucleus for information about Professor Mirkin.) Outstanding candidates are a fitting tribute to the memory of Theodore William Richards – the first American Chemist to win the Nobel Prize. I am honored to be asked to stand for re-election to this committee and will strive to maintain the outstanding quality of the awardees, many of whom have gone on to win Nobel prizes of their own.

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### *Mingdi Yan*

**Education:** Ph.D. Organic Chemistry (1994, University of Oregon); B.S. Polymer Physics (1988, University of Science and Technology of China)

**Professional History:** Professor of Chemistry (2011-present, University of Massachusetts Lowell), Assistant, Associate, Full Professor of Chemistry (1998-2011, Portland State University), Senior Research Scientist (1995-1998, Ikonos Corporation), Guest Professor (2006-2007, ETH Zurich; 2011-2015, KTH Sweden; 2014, Koch Institute, MIT)

## NESACS Election

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**Membership/Honors:** Member of ACS, MRS, Society for Biomaterials; Outstanding Researcher Award, Columbia-Willamette Chapter of Sigma Xi (2009); Outstanding Overseas Chinese Young Investigator Award, National Natural Science Foundation of China (2007); Outstanding Mentor of 2003/2004 Siemens Westinghouse Competition in Math, Science & Technology Winners

**Professional Services (selected):** Member of UMass Life Sciences Task Force (2013); permanent and ad-hoc member of several NIH study sections since 2009; panel reviewer and site reviewer for NSF centers and proposals; proposal reviewer for foreign funding agencies; symposium organizer, chair for ACS, MRS, IEEE meetings; judge for Intel science fairs (2003, 2010).

**Research program:** Research in the Yan lab lies at the interface of Organic Chemistry, Nanomaterials and Nanomedicine. Her research program covers a variety of topics including developing new conjugation reactions, metal catalyst-free click reactions, covalent chemistry of pristine graphene, glyconanomaterials, and developing new strategies to combat antibiotic resistance.

*Chemistry Reviews* (2009-2012), Esselen Award Committee and Chair, NESACS, 2015-present, Co-Chair, Gordon Research Conference, Enzymes, Coenzymes, and Metabolic Pathways (2002), Chair, 20th Enzyme Mechanisms Conference (2009), Secretary, ASBMB (2013-2016), Council, ASBMB (2010-2013), contributor, Faculty of 1000, (2003-present), Mentor, ASBMB Grant Writing & Mentoring workshop (2014-2015), Chair, ASBMB National Meeting, Women Scientist Mentoring/Networking (2013-2018), Associate Editor, *Beilstein J. Org. Chem.* (2017-present), Editorial Advisory Board, *Archives Biochem. Biophys.* (2018-present), NIH, Review Panel Pathway to Independence program, (2011), Chair, NIH Special Emphasis Panel, Macromolecular Diffraction Resource (2012). NIH, Review Panel High-Throughput-Enabled Structural Biology Research (2012), Molecular Structure and Function A Study Section (2016-present), Areas of Research: Biochemistry: mechanistic enzymology, X-ray crystallography, enzyme evolution.

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### ***Katherine Mirica***

No candidate statement submitted ◇

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## Esselen Award Committee

### ***Karen Allen***

Professor of Chemistry, Professor of Material Science and Engineering, faculty of the Department of Pharmacology and Experimental Therapeutics, faculty of the Department of Physiology and Biophysics, Boston University. B.S. (Biology) 1984, Tufts University, Ph.D. (Biochemistry) 1989, Brandeis University, American Cancer Society Fellow (Biochemistry), 1989-1993 MIT, Brandeis University. Nominating Committee, ACS, Biological Chemistry Division (2001), Program Chair, ACS National Meeting, Biological Chemistry Division (2006), Advisor, ACS Biological Chemistry Division, (2016-2018), Associate Editor, *BIOCHEMISTRY* (2006-2016), Editorial Advisory Board,