

# 2018 NESACS Election

## Chair Elect

*Anna W. Sromek*



**Education:** BS in Chemistry, University of Chicago, 1996; PhD in Organic Chemistry, University of Illinois at Chicago, 2005.

**Professional Experience:** Associate Chemist, Technical Coatings, 1996-1998; teaching assistant, 1998-2001; postdoctoral researcher, University of Illinois at Chicago, 2005-2006; chemist, JCL Bioassay, 2006-2008; NIDA Research Fellow, Alcohol and Drug Abuse Research Center, McLean Hospital, 2008-2010; Instructor in Psychiatry, Harvard Medical School 2010-2016; Medicinal Chemist, Alcohol and Drug Abuse Research Center, McLean Hospital, 2010-2016; Research Fellow/Associated Personnel, Boston Children's Hospital, 2012-present; Assistant Professor of Psychiatry, Harvard Medical School, 2016-present; Associate Director, Medicinal Chemistry Program, McLean Hospital, 2016-present.

**ACS Service:** Member since 1997; currently member of Organic Division, Medicinal Chemistry Division, and Northeast Section; Committee on Chemistry and Public Affairs, Associate, 2016.

**NESACS Service:** Member as of 2009; member, Esselen Award Committee, 2009-2013; chair, Esselen Award Committee, 2013; Alternate Councilor, 2015-2017; Nominating Committee, 2015-2016; Councilor, 2018-2020.

**Other professional organizations:** Society for Neuroscience, member, 2011-2012, 2015-present; American Association for the Advancement of Science, member, 2011-2013, 2015-present

**Position Statement:** I am honored to

be nominated for election as the chair-elect for NESACS. I was honored to serve on the Esselen Award Committee, as an Alternate Councilor, and as a member of the Nominating Committee. I wish to continue my service to the ACS and NESACS. If elected, I will serve the Northeast Section faithfully to the fullest of my abilities.

My service to the scientific community began when I was an undergraduate, when I volunteered as a judge at a local high school science fair, and as a graduate student, when I served on the chemistry graduate student association. I was introduced to NESACS ten years ago by my mentor, Dr. John Neumeyer, when he nominated me for the Esselen Award committee. Since this initiation, I had the privilege of serving as an alternate councilor, a member of the nominating committee, and my current service as councilor. I wish to continue my service to NESACS in every capacity I am able to. If I am chosen as Chair-Elect, I will actively work to promote monthly meetings, special events, and symposia to our constituents, and to foster greater participation, membership, and outreach across the spectrum. I recognize the importance of building and maintaining relationships within and outside of our community, and adapting to the constantly changing landscape which affects our profession. We need to be more cognizant of the overarching factors which influence our profession, and we need to be more proactive both in the short term and long term plans for the promotion of science and scientific literacy to the public, the importance of federal and private funding to the scientific community, and the impact our laws and economic climate have on science and our livelihood. Finally, I believe it is vitally important to promote safety and responsible behavior in chemistry. It is closely intertwined with the positive promotion of science to the general public and greatly impacts the public's opinion of science. If elected, I will draw on my experiences in industry, academia, and professional society service to serve as Chair-Elect. Thank you for

your consideration and for your support.

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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:** Research Scientist at Harvard T.H. Chan School of Public Health, 2017-present; Postdoctoral fellow at Center for Systems Biology, 2016, Massachusetts General Hospital; Graduate researcher at Center for Systems Biology, 2012-2016, Massachusetts General Hospital.

**Honors/Professional Activity:** Fundação para a Ciência e Tecnologia, Research Predoctoral Fellowship, 2012-2016; Merck Women in Chemistry Symposium, Best Poster Award, 2015.

**ACS Service:** Councilor at NESACS (2017-2019), Alternate councilor at NESACS (2016-2017), Member of Organic and Medicinal Chemistry Divisions of the ACS; Career Chair of the Younger Chemists Committee within NESACS (NSYCC-2016); Active member of the executive board of NSYCC since 2015.

**Memberships:** American Chemical Society (ACS), Northeastern Section of the American Chemical Society (NESACS), Younger Chemists Committee (YCC), Portuguese Chemical Society (SPQ), Association for Women in Science (AWIS), Massachusetts Chapter of Association for Women in Science

# NESACS Election

## *Election of Candidates*

In the interest of providing maximum information and expression of opinion by the candidates for election in 2017, 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 2018 election will be conducted electronically in conformance with 2018 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, Leland L. Johnson, Jr. (address on p.3). The deadline for the election will be May 31, 2018. ◇

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(AWIS), Mass General Postdoc Association (MGPA), Portuguese Board of Pharmacists.

**Statement:** I am honored to be nominated for election as chair-elect of NESACS. As chair I would bring my experiences as a scientist, pharmacist, collaborator and networker to bring members together and provide members numerous opportunities to get involved in the chemistry community. 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.

**Scientific Volunteerism:** Throughout my career I have been actively involved with serving the scientific community in the United States and Portugal. During my Pharmacy studies at the University of Lisbon, I was part of the medicinal chemistry group as well as the organizing committee for our annual research conference. During my graduate school training I was part of the founding members of the MGH Graduate Student Committee and was responsible for establishing numerous educational and social events. In 2016, I was elected as career chair of the Younger Chemists Committee within NESACS (NSYCC). With-in this role I lead the efforts to plan our annual research conference and annual career symposium among other initiatives.

Moving forward, if I am elected as Chair-Elect, I will continue to support and promote NESACS monthly meetings, with novel and diverse science to attract not only academic and industry professionals but also increase the participation of students. Finally, if elected, as chair I aim to continue my work with the younger chemists and promote the synergetic relationship among members of all ages and background. It is imperative for the future of NESACS and the ACS that we actively engage the younger chemists and provide a positive and productive platform to grow as a section.

I ask for your vote and thank you in advance for your support.

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## Treasurer

### *Ashis K. Saha*

**Education:** M.S. IIT Kanpur, India, Ph.D. Univ. Michigan, Ann Arbor, Post-Doc: Univ. California, Berkeley

**Professional Experience:** Pharmaceutical/Biotech Industry: Sterling Winthrop, Malvern, PA 1989-94; J&J (Janssen), Spring House, PA 1995-2000; Viropharma, Exton, PA 2001-2004; Praecis, Waltham, MA 2004-05; Predix, Lexington, MA 2005-06; TCG Lifesciences, Boston & Kolkata, India 2007-2015; Dover Lifesciences, Boston 2015-to date.

**Chemistry & NESACS Service:** ACS Member since 1983. POCC (Philadelphia Organic Chemistry Club): Chair Elect & 2000-2002. NESACS: Organizing committee member, Process Chemistry, 2008-10.

**Statement:** The Treasurer chairs the Budget Committee, is responsible for all Section funds except those of the Trust Accounts, and prepares reports for the Board of Directors, National ACS, and state and federal agencies. Annual financial statements are prepared by a CPA to meet the requirements of the Massachusetts Attorney General. The Section currently operates with a budget of \$300,000 of which 30% comes from Trust Funds, 33% from local and national dues, and 37% from contributions and program revenues. About 20% of all expenditures are related to awards which recognize achievements in chemistry at all levels, from high school students to professional chemists, including programs that encourage young people to enter the profession. Administrative expenses constitute 15% of expenditures. The remaining 65% supports services to the membership such as the Nucleus; monthly meetings; symposia; educational and social activities for students, teachers, and professional chemists; professional relations services including employment services; and public relations activities such as National Chemistry Week. The quality of these programs is high, and the major budgetary problems involve setting priorities among them. I am pleased to work with the members of the Board of Directors who volunteer many hours in the service of their profession.

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## Trustee

### *Peter C Meltzer*

**Education:** University of the Witwatersrand, South Africa, BSc. hons 1972, Chemistry; University of the Witwatersrand, South Africa, Ph.D. 1976, Organic Chemistry; Massachusetts Institute of Technology, Post-doc 1977, Organic Chemistry.

**Statement:** I am CEO & Founding President of Organix. Organix is engaged in discovery and research pro-

grams in all classes of compounds. I co-founded Organix Inc. in 1986 as one of the first Contract Research Organization to provide service to large, small and virtual pharma, as well as academia, in the US. Organix is widely recognized as a premier early pioneer of contract research in chemistry.

I have over 45 years of experience in the design and synthesis of organic and organometallic compounds, including the development of compounds through preclinical studies. My personal research programs, funded by the National Institutes of Health (NIH) and the National Institute on Drug Abuse (NIDA), have focused on the discovery and development of medications as addiction therapies. This work has been funded by Federal Grants as well as contracts from NIDA and the SBIR program at NIH. These studies have been widely published and have generated considerable interest.

My publication list includes over 125 papers and patents in internationally recognized journals. Two brain imaging agents, Altropane and Fluoratec have been entered into clinical trials.

**General:** 1971-1976 Lecturer and teaching Assistant, University of the Witwatersrand, South Africa; 1977-Present Member, American Chemical Society; 1977-1978 Research Associate, Massachusetts Institute of Technology; 1978-1983 Group Leader, Senior Scientist, Research Associate, SISA Inc.; 1981-1983 Associate Editor, The Nucleus (NESACS); 1983 Chairman, ACS Symposium: "The Pharmaceutical Industry to the Turn of the Century"; 1984 Chairman, ACS Symposium: "Chemistry and Immunology"; 1984-1985 Co-Founder and Chairman, Medicinal Chemistry Group, NESACS; 1983-1986 Vice-President, H.G. Pars Pharmaceutical Laboratories; 1986-Present President and Co-founder Organix Inc; 1987/9 Member, Nominating Committee, NESACS; 1990 Member, Long Range Planning Committee NESACS; 2010-Present Member of the Board of Trustees, NESACS; Present Co-Founder & Steering Committee Member of the New England CRO/CMO Council; Present Member of the Massachusetts Biotechnology Council; NIH:

Study Section participation: Med. Chem. Study Section (AHR); NICHD, NIDA, MDSEP

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## Councilor/Alternate Councilor

### Ajay Purohit

**Education:** Ph.D., Organic Chemistry, Northeastern University, 2002; M.S., Chemistry, Indian Institute Of Technology, Bombay, 1995.

**Professional Experience:** Biogen, 2015-; Director, Radiochemistry, Sci-Fluor Life Sciences, 2012-2014; Sr. Scientist II, Lantheus Medical Imaging, 2010-2011; Sr. Scientist I, Lantheus Medical Imaging, 2008-2010; Research Scientist II, Bristol-Myers Squibb, 2002-2007; Research Scientist I, Bristol-Myers Squibb, 2001-2002; Research Scientist, National Chemical Laboratory, Pune, India, 1995-1996

**Honors:** Barnett Institute Award in excellence in advanced research, 2000; Research Assistant, 1999-2001; Teaching Assistant, 1996-1998.

**NESACS Service:** Member of the Board Of Publications, 2015-. Member of the ACS, 1996-.Present

**Statement:** As a member of the Board Of Publications (BOP) since 2015, I, along with the BOP have worked to make the Northeastern Section activities more accessible to our members. Towards this end I worked to establish a web streaming service for our monthly meetings at venues where infrastructure is available. I am proud to say that as part of these efforts the NESACS board meetings and the BOP meetings now use the dial in option, previously unavailable, on a regular basis. This however still remains work in progress and I will work towards making the web streaming service more reliable. In addition, along with Kathy Lee and our webmaster Roy Hagen, we designed a new website for NESACS which now has an updated and fresh look. The content is current and relevant!

The NESACS is a dynamic organization and I am excited and enjoy being a part of it. As a Councilor I am eager to give my time and energy into making this a better organization.

I am excited to run for Councilor! I welcome the opportunity and would appreciate your vote. Thank you very much!

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### Ashis Saha

(See Education and Experience under Treasurer)

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### June Lum

**Biography:** June Lum earned her B.S. in Chemistry in 2006 from California Lutheran University. She then enrolled at Boston University, receiving her Ph.D. in Chemistry in 2013.

June studied synthetic inorganic chemistry in the Doerr group, her interests included the synthesis of late transition metal complexes and studying the dioxygen reactivity of Cu(I) complexes. She joined the Biological Science and Technology Team at the Natick Soldier Research Development and Engineering Center as a postdoctoral research associate. She was hired as a Research Chemist in October 2014. Presently, she works on the Chemical Biological Innovative Materials & Ensemble Development Team. Her projects focus on multifunctional textiles, CB protection, and test method development related to spatial repellants.

June has been a member of the ACS and NESACS since 2007. She has presented her research work at five ACS National Meetings, the Boston Women in Chemistry Symposium at Harvard University, and the Northeast Student Chemistry Research Conference. She also had the privilege of representing the NSYCC in Erlangen, Germany, when she participated in the JCFGDCh/ NESACS-YCC Germany Exchange Program in 2011 and presented internationally at the JCF-Frühjahrssymposium. Recently, she has also presented her work at the 2017 Fall Fiber Society Meeting.

She joined the NSYCC executive board and served as Career Chair from 2012-2014 and organized the Career Symposium at Boston University for 2014. She is also involved with the NESACS German Exchange Steering Committee. She currently serves as Director-At-Large and as an alternate

councilor for NESACS through 2018.

**Statement:** I am honored to have been nominated for Councilor for NESACS. If elected for Councilor for NESACS, I will work diligently to represent the section using experiences garnered as a graduate student member of BUWIC, YCC member, YCC executive board member and civilian employee.

I would like to extend my involvement at NESACS by promoting more women in chemistry events and involving young chemists at local section events. I look forward to promoting the growth of NESACS, organizing events, and participating in local chapter activities.

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### **Malika Jeffries-EL**

**Education:** B.A. Chem 1996, Wellesley College; Ph. D. 2002, The George Washington University; Postdoctoral Fellow 2002-2005, Carnegie Mellon University;

**Professional Career:** Associate Professor, Department of Chemistry and Division of Materials Science and Engineering, Boston University, 2016 – present; Associate Professor of Chemistry, Iowa State University, 2012 – 2016; Assistant Professor of Chemistry, Iowa State University, 2005 – 2012; **ACS Service:** ACS Women Chemist Committee Associate 2018 – present; Alternate Councilor, Northeastern Section 2017 – present; Division of Organic Chemistry Alternate Councilor 2017 – present; 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 – 2015; Editorial Advisory Board, *Chemical and Engineering News*, 2010 – 2012; ACS Society Committee on Education (SocEd) 2009 – 2014; ACS Younger Chemist Committee (YCC) 2002 – 2009.

**Honors and other professional activities:** 3M untenured faculty award 2008, the Lloyd Ferguson Award from the National Organization of Black Chemist and Chemical Engineers 2009, NSF CAREER award 2009, ACS

Women Chemist Committee Rising Star award 2012; Iota Sigma Pi Agnes Fay Morgan Award 2014; Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences 2015; Associate Editor, *Journal of Materials Chemistry C*, 2013-present (Royal Society of Chemistry).

**Research interests:** synthesis of organic semiconductors; organic electronics.

**Personal statement:** I have a solid track record of service to the ACS and I believe that my previous experience has prepared me to be of service to the Northeast Section. I have previously served as a local section councilor, in Ames and have held numerous ACS national committee positions. As such I have a great understanding of how the society functions and can advocate well for the interest of the NESACS.

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### **Katherine Lee**

**Education:** B.S., summa cum laude, with Distinction in Chemistry, Yale University, 1991; Ph.D., Organic Chemistry, MIT, 1996; postdoctoral fellow, University of Texas at Austin, 1996-1998.

**Professional Experience:** Medicinal Chemist, Pfizer, Inc., 2009-present, current position: Associate Research Fellow, Wyeth Research, 2000-2009. Mitotix Inc. (now Agennix), 1998-2000.

**ACS Service:** *Organic Chemistry Division:* Chair, 2018; Chair-Elect, 2017; Chair, Nominating Committee, 2017; Member at Large 2011-16; Chair, Technical Achievements in Organic Chemistry Award Committee, 2015, 2013; Co-Chair, Summer Undergraduate Research Fellowship Committee, 2016, 2013, 2012. *Committee on Economic and Professional Affairs:* Member, 2017-2018, 2014, Committee Associate, 2013.

**NESACS Service:** Immediate Past Chair, 2016; Chair, 2015; Chair-Elect, 2014; Councilor, 2016-18; 2012-14; Chair, Nominating Committee, 2016; Program Chair, 2014; Member, Board of Publications, 2016-present; Member, NESACS Process Chemistry Symposium Committee, 2014-present; Chair, Host Local Section Committee, 2010.

**Member:** ACS Member since 1992. ACS Divisions: Medicinal Chemistry;

Organic Chemistry.

**Honors:** ACS Fellow, 2017; Invited Speaker, ACS MEDI First-Time Disclosures, 2016; Recipient, ACS ChemLuminary Award for Best Industry Event, for NESACS Process Chemistry Symposium, 2015; Recipient, Department of Defense, Office of Naval Research Pre-doctoral Fellowship, 1991-94.

**Personal Statement:** It is an honor to be an active member of the Northeastern Section of the American Chemical Society. As a NESACS Councilor for several years and in the three years that I served in the Chair-Elect, Chair, Past-Chair succession, I have focused my energy on two areas: 1) delivering innovative programming; and 2) improving our NESACS communication to our members as well as the broader community.

**Innovative programming:** I have brought diverse, top-notch speakers to our NESACS monthly meetings and worked on committees to organize special daylong symposia such as the now annual NESACS Process Chemistry Symposium. Two of the special programs of which I am most proud are the panel discussions that I organized at NESACS monthly meetings, on **Alternate Careers for Chemists** in 2014 and **Life after Restructuring** in 2015.

**NESACS communication:** With the help of many NESACS members, we made *The Nucleus* “go green” in 2015, making electronic delivery the default option for delivery. We also instituted the *NESACS Newsflash* through Constant Contact, with great help from NESACS Administrative Coordinator Anna Singer, for timely communication of short bursts of information. Working with fellow members of the NESACS Board of Publications, we unveiled a boldly updated NESACS website in 2017 (<http://www.nesacs.org>)

With your support, I would continue my work in NESACS, particularly in the area of communication. As a leader in the ACS Division of Organic Chemistry, I have gained broader experience that I would like to bring to our local section. Thank you for your vote!

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### **Catherine Costello**

Catherine E. Costello is William F.

Warren Distinguished Professor at Boston University with appointments in Biochemistry, Biophysics and Chemistry. The Center for Biomedical Mass Spectrometry, which she founded and directs, is located on the Medical School campus.

**Education:** A.B. (Chemistry), Emmanuel College; M.S. and Ph.D. (Organic Chemistry), Georgetown University. Postdoctoral fellow, MIT.

**Professional Experience:** Associate Director of MIT Mass Spectrometry Resource >20 y; Professor at BUSM (1994-). Research interests in determination of structures and functions of biopolymers, with particular emphasis on glycobiology, post-translational modifications of proteins and protein folding disorders, as well as scientific education and fostering of international collaborations. Author/coauthor of about 370 scientific papers.

**ACS Service:** ACS Councilor representing Northeastern Section since 1989. Current member of the Senior Chemists Committee and board member of Malta Foundation for Research and Education in the Middle East. Past member and chair of the International Activities Committee; past member of the Constitution and Bylaws and Ethics Committees and numerous ACS award committees. Active reviewer for many ACS journals; past special issue editor and editorial board member.

**NESACS Service:** NESACS Chair (2014); chair-elect (2013); Chair of NESACS Bylaws Committee (1997-2017); served multiple terms on Publications, Budget and Nominating Committees.

**Relevant Memberships:** Current President of International Mass Spectrometry Foundation (2014-). Past President of Human Proteome Organization (2011-12) and American Society for Mass Spectrometry (2002-04). Board member of US-HUPO and Human Proteomics/Glycomics Initiative. Editorial boards of four journals; member of academic and institutional advisory committees in US, Canada and Europe.

**Honors:** ACS Fellow, ACS Field and Franklin Award, NESACS Henry A. Hill Award, Emmanuel College PhD (h.c.), ASMS Distinguished Contributions to Mass Spectrometry, IMSF

Thomson Medal, HUPO Distinguished Achievement in Proteomics.

**Statement:** I would like to continue to bring my interests in basic research, education and international activities to the Council on behalf of the members of NESACS. NESACS is one of the largest sections within the Society and has a long record of innovation and leadership. To carry this proud record forward, the section needs to preserve its strong foundation and to incorporate new approaches and activities into its programs. As a Councilor, I will continue to advance the interests of the NESACS at the national level and will remain an active Board member at the local level. I will be very attentive to the employment needs of members and will encourage career-related activities at the national and local level. For senior members, I will look for ways that help them to remain financially secure and to contribute their expertise to younger members and to the community, through workshops, one-on-one counseling, and the involvement of local industrial partners. At the college and high school levels (and even earlier), I will support expanded NESACS efforts on both curriculum development and extracurricular activities that encourage and aid the next generation of science students and develop science-aware citizens. I will support and participate in NESACS efforts to engage elected representatives to pass laws and establish policies that further scientific interests and educational opportunities.

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### *Ruth Tanner*

**Education:** B.S. Purdue University, PhD (Organic Chemistry) University of Cincinnati

**Professional Experience:** Research Fellow, Duke University (C. R. Hauser) (1965); Massachusetts State College at Lowell, Chair, Chemistry Department (1966-1974); University of Massachusetts Lowell, Professor (1975-2012); President of the University Faculty (1975); Representative for the Joint Council on Food and Agricultural Sciences of USDA (1979-1985); Visiting Scientist, MIT (1978-1980); Director of Women in Science and Engineering

(WISE) Program (1996 – 2005); Professor Emeritus, University of Massachusetts Lowell (2007 – Present)

**NESACS Service:** NESACS Chair, 2012; Councilor (2009 – 2018); Member of the NESACS Board of Directors (1996 – Present); Trustee (2014-2016); Chair, Board of Trustees (2009 -2016-2018); Chair of the Education Committee (1996-2009); Acting Chair, Committee on Education 2017; Chair of Connections to Chemistry program, (1998 – 2009); On-Site Coordinator, ACS TV Satellite Seminar Series: Teaching Chemistry, National Chemistry Week, UMass Lowell (1996 – 1999); Committee Member, NESACS-JCF/GDCh Chemistry Student Exchange Program to Germany (2001 – Present); Co-Chair for High School/College Interface Symposium, CHED Division, 2007 National ACS meeting Relevant Memberships: ACS Divisions: Organic Chemistry, Chemical Education; New England Association of Chemistry Teachers; American Association for the Advancement of Science; American Association of University Professors; ACS, American Association of Chemistry Teachers, AACT.

**Honors:** Department of Chemistry Teaching Award (1998); Council on Diversity and Pluralism Award (1999); The Boston Club Advancement Award for the Women in Science and Engineering (WISE) Program (2000); Henry A. Hill Memorial Award (2007) for Outstanding Service to NESACS, the ACS, and the Profession of Chemistry

**Statement:** I am honored to be nominated to the position of Councilor for the Northeastern Section. I have had the privilege of serving the Northeastern Section as the Chair for 2012, and as a member of the Board of Directors since 1996. The role of Councilor is an important one to the Section. The Councilors represent the Section to the National Council which is the governance body of the Society and communicate decisions by the Council back to their local sections. The position of Councilor affords me the opportunity to represent the Section at national meetings. In addition, Councilors become members of one of the Committees of the Governance Council and participate in their

discussions and decisions. I have been a member of the ACS national Committee on Membership Affairs, MAC (2009 – 2017), Committee on Economic and Professional Development, CEPA (2018), and have represented our Section at the ACS Council meetings. As a member of MAC, I was the Liaison to the Advisory Board for the recently established ACS American Association of Chemistry Teachers (AACT). Your vote will permit me to continue to be an active voice for the Northeastern Section, and to work for policies that represent the interests of our broad and diverse membership

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### **Kenneth Mattes**

**Education:** University of Wisconsin School of Pharmacy, Madison, WI, (1974-75), Postdoctoral work with Dr. C.R. Hutchinson Synthesis of indole alkaloids, iridoids, and antitumor agents. Determined the biomimetic mechanism of Camptothecin biosynthesis. Iowa State University, Ames, IA (1972-1974), Ph.D. in Organic Chemistry with Dr. Orville Chapman Iowa State University, Ames, IA, (1969- 1972), MS in Organic Chemistry with Dr. Glenn Russell. University of Illinois at Chicago, Chicago, IL (1965-1969), BA in Chemistry

**Professional Experience:** MattesK Consulting (2014-Present); ASTRAZENECA, Waltham, MA (2000-2014); ASTRAZENECA, Worcester, MA (1999-2000); ASTRA ARCUS USA, Worcester, MA (1998- 1999); EASTMAN KODAK COMPANY, Rochester, NY (1976 1998).

**ACS Service:** National ACS, Local Section Activities Committee (1996-1998); Rochester Section Councilor, 1995-1998); Rochester Section: Creator and Chairman Science Saturdays at RMSC (1994-1998); Rochester Section, Past-chairman 1994; Rochester Section, Chairman 1993; Rochester Section, Chairman-elect 1992. Rochester Section, ROCi/ACS Golf Tournament Chairman (1993-1998); Rochester Section Committees: National Chemistry Week, (1990-1998); Publicity (1990-91); Long Range Planning (1992-94); Nominations and Elections, 1993; Harrison Howe, 1993; Professional Rela-

tions, 1993-94; Finance, 1994, Minority Affairs, 1997; Rochester Section, Member-at-large (1990-91) Medicinal Chemistry Section, Organic Chemistry Section, Agrochemical Section

**ACS Speaker Service:** Inside Story of Color Photography (1977-1998), over 100 invited lectures. **AICHE Speaker Service:** Inside Story of Color Photography (1980-1998), over 20 invited lectures.

**Relevant Memberships:** Boston Area Group for Informatics and Modeling, American Chemical Society, American Association for the Advancement of Science, International QSAR and Molecular Modeling Society

**Honors:** Massachusetts State Referee Committee Soccer Referee Instructor of the Year, 2008; Rochester Section Award Recipient, 1995; Phoenix Award Winner, ROCi/ACS National Chemistry Week, Malls Chairman, 1990-91.

**Statement:** If elected to this position of councilor for NESACS, I would strive to represent at the national level those issue of most importance to NESACS. I would also strive to support the changes and challenges faced by the American Chemical Society to enhance the information sharing capabilities of ACS, raise the image of chemistry in the community and stress the importance of chemistry to solve the problems of the future. Specific goals would be to support the Local Section Activities Committee programs, build bridges between local section Archives and CAS and contribute to the National Chemistry Week program. As scientific and professional problem solvers, members of the ACS need to help improve the educational and professional opportunities afforded by one of the largest professional societies.

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### **Morton Z. Hoffman**

**Education:** Hunter College, A.B., 1955; University of Michigan, M.S., 1957; University of Michigan, Ph.D., 1960.

**Professional Experience:** *Sheffield University, England:* Postdoctoral Research Associate, 1960-61; *Boston University:* Assistant Professor, 1961-67; Associate Professor, 1967-71; Professor,

1971-2005; Professor Emeritus, 2005-present.

**ACS Service:** Society Committee on Education (SOCED) Task Force on Undergraduate Programming, 1991-2002; College Chemistry Consultants Service, 1995-2009; Editorial Advisory Board, ACS General Chemistry Project, 1999-2004; SOCED, 2002-11; Senior Chemists Task Force, 2008-12; Senior Chemists Committee, 2013-2014; International Activities Committee, 2015-present. *Division of Chemical Education (CHED):* Program Committee, 1992-2004; International Activities Committee, 1993-2013; Regional Meetings Committee, 2000-09; Chair-Elect, Chair, Immediate Past Chair, 2004-06; CHED representative to IUPAC, 2005-14. *Malta Conferences:* Organizing Committee, Malta Conferences on Science and Education in the Middle East, 2002-present; Treasurer, Malta Conferences Foundation, 2011-present.

**NESACS Service:** Board of Directors, 1993-present; Education Committee, 1993-present; German Exchange Steering Committee, 2001-present; Alternate Councilor, 1994-97, 1999-2002, 2018-present; Councilor, 1997-98, 2003-2017; Chair-Elect, Chair, Immediate Past Chair, 2001-03; Associate Editor and Photographer, *The NUCLEUS*, 2005-present; Norris Award Committee 2007-10; NERM Committee, 2007-present; NESACS representative, Board of Directors, Northeast Region (NER-ACS), 2010-present; IYC Committee, 2011; Subsection Task Force, 2013-2015; Richards Medal Committee, 2013-17.

**Relevant Memberships:** American Association for the Advancement of Science (AAAS); New England Association of Chemistry Teachers (NEACT). *ACS Divisions:* Inorganic Chemistry; Physical Chemistry; Chemical Education; History of Chemistry.

**Honors:** Phi Beta Kappa, 1955; Senior Postdoctoral Research Associate, National Academy of Sciences, 1969-70; Associate, Danforth Foundation, 1970; Fellow, AAAS, 1992; Metcalf Cup and Prize for Excellence in Teaching, Boston University, 1994; Hill Award for Outstanding Service, NESACS, 1999; Responsible Care® Cata-

lyst Award, American Chemistry Council, 2002; Timm Award, NEACT, 2003; Arthur Sweeny, Jr., Memorial Lecturer, Lehman College, 2003; U.S. National Representative, Committee on Chemistry Education, IUPAC, 2004-2014; Leavy Family Lecturer, St. Michael's College, 2005; James Flack Norris Award, NESACS, 2005; Professional Achievement Award, Alumni Association of Hunter College, 2006; ACS National Award for Volunteer Service, 2007; Visiting Scientist Award, Western Connecticut ACS Local Section, 2007; ACS Fellow, 2009; Chemistry Education Award, IUPAC, 2014; Fellow, IUPAC, 2014; Arno Heyn Memorial Book Prize for Distinguished Service to Publications of NESACS, 2014.

**Statement:** I have served as a Councilor or Alternate to the ACS Council for more than 20 years, and I ask for your vote for re-election in order for me to continue to be one of the representatives of NESACS on the policy-making body of the Society. I intend to continue to work forcefully on Council and within my committee assignments to create stronger bonds between the Society and local sections, regions, younger chemists, senior chemists, high school teachers, and underrepresented minorities. Given my involvement with the NESACS German Exchange, the Malta Conferences, IUPAC, and the ACS International Activities Committee, I pledge to continue to support the expansion of the Society's international efforts. I promise to be an active and experienced voice for NESACS, representing the interests of our broad and increasingly diverse membership.

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### **Andrew Scholte**

**Education:** B. Sc. (Biochemistry; 1<sup>st</sup> Class Honors) Simon Fraser University, 2000; Ph.D. (Chemistry) University of Alberta, 2006;

**Professional Experience:** Sanofi Genzyme, Integrated Drug Discovery, Senior Scientist, Genzyme, 2016-present; a Sanofi Company, Medicinal Chemistry Department, Staff Scientist II, 2012-2016; Genzyme, a Sanofi Company, Medicinal Chemistry Department, Staff Scientist I, 2008-2012; Boston College, Chemistry Depart-

ment, 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 1<sup>st</sup> Banff Symposium on Organic Chemistry Organizing Committee; Member of the Canadian Institute of Chemistry since 2000.

**NESACS Service:** Chair-Elect (2018); Alternate Councilor (Jan. 2012-present), Member of the Nominating Committee (2015); Member of the German Exchange Program (2014-present); 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 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.

For the past few years I have been involved with NESACS. In the winter of 2010 I was a member of the NESACS committee for the 2010 ACS meeting in Boston. On this committee I was responsible for recruiting student volunteers working during the national meeting. More recently, I was elected as vice chair of the Younger Chemists Committee within NESACS (NSYCC) for year of 2011. With-in this role I was involved in planning of events hosted by the NSYCC and acted as a moderator and scientific judge for the annual graduate research conference (2011). In 2016, I was fortunate enough to be re-elected as an alternate councilor for the NESACS and I am running again to be elected as a councilor on the NESACS board.

I am looking forward to build upon my role with NESACS as its chair-elect and to take our concerns to the national level as a councilor. If elected as a councilor, I will continue to my work with the younger chemists. Younger chemists can learn from the experiences of our members and bring fresh and new ideas to the section. It is imperative for the future of NESACS and the ACS that we actively engage the younger chemists of our society. I ask for your vote and thank you in advance for your support.

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### **Patrick Cappillino**

**Position Statement:** I seek a position as Councilor in NESACS to contribute to this organization's estimable mission and strengthen my ties to New England's chemistry community. I began my relationship with NESACS as a graduate student more than a decade ago, becoming a member (and eventually board member) of the NSYCC. Since then I have continued to participate by serving on several German Exchange Steering committees and by participating in NESACS meetings. I

recognize the importance of professional service and I've reached a point in my career where I hope, in some small way, I can help guide the trajectory of our professional community.

**Biographical Data:** Dr. Cappillino is an inorganic and materials chemist and an Assistant Professor in the Chemistry and Biochemistry Department at the University of Massachusetts Dartmouth. He joined the faculty there in Fall, 2014 after a postdoctoral stint in the Energy Nanomaterials Department at Sandia National Laboratories in Livermore, Ca. Prior to that, Dr. Cappillino obtained his PhD in Chemistry from Boston University. Dr. Cappillino maintains professional memberships in the Inorganic Division of ACS, the Electrochemical Society, the International Society of Electrochemistry and the Materials Research Society. He received the 2015-16 ECS/Toyota Young Investigator Fellowship and was profiled as a 2017 Emerging Investigator by the Journal of Materials Chemistry.

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### **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 Biosciences, Inc. (Woburn, MA), (Founded 2002) and CreaGen Life Science Incubator (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 (2007-2018). 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:** It would be an honor to serve as councilor 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.

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 250 participants every year.

Moving forward, as councilor, I will continue to support and encourage NE-

SACS 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.

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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### **Joshua Sacher**

**Education:** B.S. in Biochemistry, University of Delaware (2005); Ph.D. in Chemistry, Penn State University (2012). **Professional Experience:** Postdoctoral Research Associate, University of Pittsburgh (2012-2014); Research Scientist, Medicinal Chemistry, Broad Institute of MIT and Harvard (2014-Present); Course Assistant, Introduction to Computer Science, Harvard (2018-Present).

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

**Memberships:** American Chemical Society

**Statement:** Mentorship from exceptional scientists has shaped who I am both personally and professionally. One of my goals is to return this favor as much as possible, making sure the next generation of scientists is even better than the current one. To that end, over the past 4 years I have formally mentored 13 young scientists, ranging from high school through early graduate school.

The immense reward of mentorship led me to ACS's Project SEED, a summer research program for economically disadvantaged high school students. It struck me as odd that the Boston area, a place filled with educational and research opportunities, was not playing a larger role in this program. On getting involved, I began to see why: many of the policies and requirements of this well-intentioned program end up excluding students who could benefit from Project SEED.

As a councilor, I will not only try to represent NESACS's interests, but will



use the position as a springboard to effect change within Project SEED. I hope to join the Committee on Project SEED so I can have a more influential voice in the program's policies. Beyond the high school program, I would like to advocate for mentorship programs across all career stages. Too often, people either don't know how or where to find a potential mentor, which can limit a scientist's perspective and opportunities. I believe ACS has an opportunity to grow in this area, and think it would be well-received by the membership.

I thank you for the nomination and hope that you will give me the chance to serve NESACS and the chemistry community.

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### **Mariam N. Ismail**

**Education:** B.S. Chemistry, University of Massachusetts (2006); Ph.D. Chemical Engineering, Northeastern University (2011).

**Professional Experience:** Assistant Professor Tenure-Track, Simmons College (2016-present); Lecturer, Simmons College (2015-2016); Adjunct Lecturer, Simmons College (2013-2015); Lead Materials Engineer, Viridis 3D (2014-2015); Senior Research & Development Engineer, 1366 Technologies (2011-2014).

**NESACS service:** Lead collaborator from Simmons College with WCC (2016-present); NSCRC Conference Judge (2013). YCC Career Chair (2009-2010).

**Memberships:** American Chemical Society.

**Awards/Honors:** MPAC-hosted event at The White House celebrating Muslim Woman Emerging Leaders in the field of STEM (2014). American Institute of Chemists Outstanding Graduate Student Award (2011). Recipient of the YCC/NESACS-JCF/GDCh Exchange to Germany Program (2009).

**Statement:** It is a great honor to be nominated for the position of Councilor and to be given the opportunity to serve NESACS and ACS at a larger extent. As an assistant professor at an all-women's primarily undergraduate institution, it is my goal to help recruit and foster the development of well-rounded

female undergraduate scientists. If elected councilor, I will continue this work towards empowering young female scientists in becoming more active within local chapters and pursuing careers in STEM. As councilor, I will also work on fostering collaborations with local and national women-serving STEM organizations and develop programs that will help engage our population at large.

My involvement with NESACS began after being elected a delegate for the 2009 Exchange to Germany Program. Having seen the impact that program had on my professional development, I decided to commit more time to NESACS and give back by providing similar opportunities for others in our field. In 2010, I was elected Career Chair of the YCC. During my tenure as Career Chair, I worked on organizing the Northeast Student Chemistry Research Conference (NSCRC), which provides an opportunity for local students to present their research, network, and attend panel discussions.

In 2013, I served as a judge at that very same conference. In 2016 (to present), I've been serving as the Women's Chemist Committee (WCC) representative for Simmons College. Since 2016, I have worked with the WCC in organizing two main events with the goal of motivating and inspiring young female students to pursue careers in STEM and highlighting public policy issues regarding Wage Gap Bill.

In April 2017, we, Simmons College and the WCC, co-hosted a panel discussion titled "STEM the Pay Gap – A Panel Discussion on How We Can Promote Pay Equity for Women in STEM". This event was attended by over 60 students from various universities and colleges in the Greater Boston Area. Not only attendees were able to engage in intellectual discussion regarding pay equity, attendees were able to also network with the panelists and ask pertinent questions related to their fields.

In January 2018, we co-hosted our second main event titled "What Can I do with a Degree in Chemistry?". The goal of this panel discussion was to help undergraduate students see the vast options they have with a degree in chemistry.

I appreciate your vote for Councilor. Thank you for your support.

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### **Hicham Fenniri**

**Education:** B.Sc. 1989, M.Sc. 1990, Ph.D. 1994, University of Strasbourg

**Professional Experience:** Scripps Research Fellow (1994-1997); Assistant Professor, Purdue University (1997-2003); Professor, University of Alberta (2003-2013); Senior Research Officer and Program Director, National Institute for Nanotechnology (2003-2013); Associate Chair for Graduate Affairs, Northeastern University (2014-2015); Professor, Northeastern University (2013-present).

**Memberships (selected):** American Chemical Society (since 1994); American Association for the Advancement of Science; Chemical Institute of Canada; Materials Research Society; International Society for Nanoscale Science, Computation and Engineering; American Heart and Stroke Association.

**Editorial Activities (selected):** *Biosensors, Nanomaterials, Journal of Nanoscale Science, Nanotechnology Reviews, Current Bioactive Compounds, BioMed Research International, International Journal of Nanomedicine, NanoBiotechnology.*

**Awards, Honors (selected):** Xerox UAC Award (2006, 2007, 2008); Canada Foundation for Innovation, Leaders Award (2007); 3M Non-Tenured Faculty Award (2000-2002); Cottrell Teacher Scholar Award (2000-2005); National Science Foundation Career Award (1999-2003); Purdue University New Curriculum Development Award (1998). Gave over 200 invited lectures including 35 distinguished lectures at academic, industrial and governmental organizations.

**Service (selected):** General Chair NERM (2021); Member NERM Committee (2017-); NIH NANO (2017); NCI-CCNE (2015); NIH NIDCR (2015, 2012); NIH BMBI (2012, 2011); co-chair SPIE Symposium on Molecular Machines (2018); co-Organizer European Materials Society symposium U (2014, 2011), symposium G (2013), symposium M (2009); co-Organizer/chair Chemical Society of Canada symposia (2014, 2013, 2010).

**Scholarship:** my research group's interdisciplinary research program was reported in over 230 peer reviewed publications, 20 patents/patent applications, and over 500 conference presentations

**Statement:** I am a chemist, chemical engineer and bioengineer, with a rich cultural heritage spanning three continents. I was immersed in the social fabric and experienced the academic and government laboratory systems in the United States, Canada, Europe, the Middle East and African region. I chaired or served on numerous boards, panels, and committees for the evaluation of research programs, research and academic staff, and conference programs, among others. Over the past two years, I have had the privilege of participating in NESACS as a board member, NERM committee member, organizer of Nobel Laureate Professor Lehn's Lecture co-sponsored by NESACS, and was voted General Chair for NERM 202. As councilor I intend on representing you on the International Activities Committee (IAC) and the Committee on Science (ComSci). The mission of the IAC is to assist scientists and engineers worldwide to communicate and collaborate for the good of the chemical and chemically related sciences, chemical engineering, and their practitioners. ComSci plays a unique role within ACS by facilitating discussion and dissemination of information on global, multidisciplinary topics that cut across the diverse units of ACS. In addition to increasing the Society's understanding on emerging areas of chemical science and education. I humbly believe that my international experience in the academic and R&D continuum, from program development and implementation, education and outreach to service could further NESACS's vision of inclusion and growth towards sister disciplines and societies. I deeply value the opportunity of becoming an ACS Councilor to be an engine of change and to give back to our community. For this, I humbly ask for your support and vote. <Thank you>

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### **Daljit Matharu**

*(Statement not received in time for Nucleus deadline)*

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## **Director-at-Large**

### **June Lum**

*(See education and experience under Councilor/Alternate Councilor)*

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### **John L. Neumeyer**

**Education:** BS Columbia University, 1952; PhD in Medicinal Chemistry, University of Wisconsin in 1961.

**Professional Experience:** Research Chemist, Ethicon (Division of J&J) 1952-1957; FMC Corp., Senior Research Chemist 1961-1963; Arthur D. Little Inc, Staff Scientist 1963-69; Professor of Medicinal Chemistry and Chemistry, Northeastern University 1969-1991; Visiting Professor University of Konstanz, Germany 1975-76; Scientific Director and Chairman, Research Biochemicals Int'l (RBI) 1980-96; Visiting Professor University of Groningen, Holland 1997; Director, Medicinal Chemistry Program, McLean Hospital, Harvard Medical School 1996-present.

**Honors:** ACS Fellow, 2011; Elected to Hall of Fame, ACS Division of Med. Chem., 2008; Henry Hill Award for Outstanding Service to NESACS, 1998; AAAS Fellow, 1984; Fulbright Fellowship, 1975-76; AAPS Fellow, 1986, Outstanding Educator Award, 2012; Northeastern University Matthews Distinguished Professor, 1980.

**ACS Service:** Division of Medicinal Chemistry, Councilor, Executive Comm., 1971-1981; Vice Chairman, 1981; Chairman, 1982; Councilor, 1983-1987; Board of Editors, J. Med. Chem., 1974-1995; ACS Board of Publications, 1990-93.

**NESACS Service:** Founder and Chair, Medicinal Chemistry Group, 1974-1995; Councilor, 1998-1995; Trustee 1989-1993; Alt. Councilor, 1995-98; Publication Comm. The Nucleus, 1976-78, 1985-87 and Chair, 1986 and 1997.

**Statement:** Having served the ACS in a variety of positions both nationally and locally over the past 50 years, I am very much aware of the concerns and problems of its members. If elected, I shall continue to devote my time, energy and experience in both industry and academia to further the objectives of the ACS and its members. In particular, I

shall work towards recruiting young and energetic new members to actively participate in the governance of the Northeastern Section.

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### **John M. Burke**

**Education:** B.A. Chemistry, M.A., Ph.D. Organic Chemistry, Brandeis University. PMP, Project Management Institute.

**Professional Experience:** Project and Program Manager Consultant, Takeda Pharmaceuticals (2018-Present), International Informatics Project Manager, Ipsen Bioscience Inc. (2015-2017); Project Management Consultant, Merck Research Labs (2012-2015); Director, Business Solutions, Health Advances LLC (2011-2012); Sr. Research Business Analyst, Cubist Pharmaceuticals (2009-2011); Knowledge Development Manager, Millipore Corporation (2006-2008); Scientific Informatics Applications Consultant, AstraZeneca (2005-2006); Research Software Administrator, UCB Research, Inc. (2002-2005); Technical Services Consultant, Formation Systems (2000-2002); Documentation Manager and Support Scientist, CambridgeSoft Corp. (1996-2000); Adjunct Assistant Professor of Biochemistry, MA College of Pharmacy (1995); Adjunct Assistant Professor of Chemistry, Boston College (1993-1994); Assistant Professor of Chemistry and Biochemistry, Stonehill College (1986-1993)

**Memberships:** American Chemical Society; Project Management Institute; Cambridge Semantic Web Meetup Group; Laboratory Robotics Interest Group; Association for Computing Machinery; American Association for the Advancement of Science

**Statement:** Having served two prior terms as Director-at-Large, I'd like to thank the Nominating Committee of the NESACS Board for the honor of nominating me once again for that position. Perhaps my most significant service to NESACS to date has been to serve on that committee, which gave me the opportunity to nominate a young, enthusiastic chemist who has since served the section as chair of the Women Chemists Committee.

With the growth of interdisciplinary

and multidisciplinary sciences, the frontiers of chemistry now extend significantly into biology, information technology, nanotechnology, and other emerging hybrid disciplines. This trend has taken my own career – one of life-long learning – in unexpectedly exciting and fulfilling directions from academia to industry.

The ACS and NESACS need to continue evolving to anticipate future opportunities to realize the benefits of chemistry's wider frontiers for our members and for society. This may involve forging more active partnerships with professional organizations representing those disciplines that now intertwine with chemistry. I hope to help steer NESACS in that evolution over the coming three years to promote the growth of our section for the benefit of our members and for the greater good

## Nominating Committee

### 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-Present).

**NESACS and ACS Service:** ACS Member since 1976. Alternate Councilor (1997-1999; 2005-2008), Councilor (2009-2018); 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). Local Organizing Committee for the 2007, 2010, 2013 Boston ACS National Meetings. Committee on Chemical Abstracts Service (CCAS) Associate Member (2010) Full Committee Member (2011-18).

**Statement:** I appreciate this opportu-

nity to serve for a fourth time on the Nominating Committee. It is a very important function of the Board and I will take my duties seriously. Thank you for your votes.

### 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:** RSM, Teacher (2013-Present); 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 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); CEPA Task Force on Globalization (2008-2009), ACS Legislative Action Network, Member (2006-Present).

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

**Membership/Honors:** ACS Medicinal Chemistry Division and ACS Organic Chemistry Division, Member; ChemLuminary Award - ACS President's Award for Local Section Government Affairs (2010); American Chemical Society Certificate of Achievement, ACS San Diego Section (2008); Arena Pharmaceuticals - Outstanding Medicinal Chemistry Team

Award (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).

## Norris Committee

### Kuzhikalail M. Abraham

Dr. Kuzhikalail M. Abraham received his Ph.D. degree in Chemistry from Tufts University in 1973, and conducted post-doctoral research at Vanderbilt University and Massachusetts Institute of Technology.

Dr. K. M. Abraham is Research Professor at the Center for Renewable Energy Technology, Northeastern University, Boston, Massachusetts and the principal of E-KEM Sciences, a battery consulting company in Needham, MA. He was previously President of Covalent Associates, Inc, Woburn, Massachusetts, and Vice President and Director of Battery Research and development at EIC Laboratories, Inc., Norwood, Massachusetts. K.M. has over 40 years of experience in lithium battery research and development with many pioneering contributions to advance rechargeable lithium and lithium-ion batteries. His research results have been published in more than 200 papers in journals, meeting proceeding volumes and book chapters, and he authored 15 US patents (<https://scholar.google.com/citations?user=i4Ii5na93EIC>).

Dr. Abraham has been a member of the America Chemical Society since January 1972 and a member of the NESACS for the same length of time. He is a patron member of the SCHB.

He received a number of awards for his work including the Battery Research Award of the Electrochemical Society, The National Aeronautics and Space Administration Group Achievement Award for the Rechargeable Battery Team, Distinguished and Pioneering Contributions Award of the International Battery Association, and Tufts University Graduate School of Arts and Sciences Outstanding Career and Service Achievement Award (2017). He is a Fellow of the

Electrochemical Society and Fellow of  
The Royal Society of Chemistry.

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***Vasiliki Lykourinou***

*(Statement not received in time for  
Nucleus deadline)*

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***Mark Tebbe***

Atlas Venture, Entrepreneur-in-Residence

Dr. Tebbe has >24 years of experience in drug discovery and development and was most recently Vice President, Head of Drug Discovery at Quartet Medicine focusing on peripheral pain and inflammation. He is a co-inventor of Incivek (Telaprevir), an HCV protease inhibitor.

He was previously Vice President of Medicinal and Computational Chemistry at Forma therapeutics where he focused on small molecule cancer therapeutics. Prior to that, Dr. Tebbe held positions of increasing responsibility during his 16-year career at Eli Lilly including head of chemistry in Hamburg, Germany, and Research Triangle Park, North Carolina as well as Global Head of Operations for the discovery chemistry group.

He obtained his Ph.D. in organic chemistry from Stanford University and his undergraduate degree from the University of Notre Dame.

**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, Chair 2017 and 2018 ◇