

# 2017 NESACS Election

## Chair-Elect

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- 2010). ACS Carrier consultant (2013-present)

**Membership/Honors:** ACS Organic Chemistry Division, ACS Medicinal Chemistry Division AAAS, and Indian Chemical Society. Reviewer, *Journal of Pharmaceutical Sciences* (ACS journal), Reviewer, BU ignition award,

Listed in *Who's Who in Science and Engineering*. Invited speaker at several international conferences. Serving on advisory board of many Indian cultural and community organizations.

**Statement:** It would be an honor to serve as Chair-Elect 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 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

# 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 for mailing concurrently with the ballots. 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 statements have been reproduced without change. An official ballot, along with a ballot envelope and return envelope have been provided. The election and balloting are being carried out in conformance with Article VIII of the Constitution of the Northeastern Section. The order of candidates for each office on the ballot will be determined by lot. Comments regarding the election may be addressed to the Nominating Committee Chair, Jerry Jasinski, (address on p.3).

**The ballot must be received by May 31, 2017.** ◇

German Exchange program.

**Leadership and collaborations:** Having worked in the biotech industry for the last 20 years in various leadership positions and having established my own company CreaGen 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 cochair 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 local 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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### *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 Department, NSERC Postdoctoral fellow with Prof. Marc Snapper, 2006-2008.

**Honors/Awards:** ACS Leadership Development Award (2010); Natural Sciences and Engineering Research Council of Canada (NSERC) PDF (2006-2008); Outstanding Oral Presentation-Canadian Society for Chemistry (2005); Canada Graduate Scholarship (2003-2005); NSERC Postgraduate Scholarship A (2001-2003); Alberta Heritage Studentship (2000-2005); Fac-

ulty 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:** 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 chair-elect of NESACS. As chair I would bring my experiences as a scientist, collaborator and networker to bring members together and provide members numerous opportunities to get involved in the chemistry community.

**Scientific Volunteerism:** 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.

In 2006 I moved to Boston as an NSERC post-doctoral fellow at Boston College. For the past 10 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. In 2011, 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). While I was at Boston College I was first exposed to the German Exchange that NESACS has been organizing since 2001. In 2013, I took on a leadership role with the GEX and have been serving on the steering committee and this year I will travel with the group to Mainz as a facilitator. Since 2012 I have been an alternate councilor for NESACS (2014-2016).

I am looking forward to take my 20 years of service to the chemical community and lead NESACS. Currently, there is a new political atmosphere in the US and there is concern for the government's view and value of the scientific endeavor. As chemists we need to take a leadership role in communicating with our elected officials and provide examples on how science has impacted our society and improving the life of Americans. As Allison Campbell (ACS president elect), recently spoke on there is much concern on the public's understanding or literacy of science. Through the discovery of new medicines, development of more powerful and efficient batteries and semi-conductors there has never been a time in which chemistry has profoundly affected the daily lives of the public. NESACS must also work to improve the scientific literacy and the public understanding of chemistry and science. Finally, if elected as chair, I will also 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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## 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, MiliporeSigma, Natick, 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:** Henry Hill Award – 2008; ACS Fellow 2016.

**Statement:** 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 Administra-

tive Coordinator to ensure communication within the section using the Constant Contact platform.

These past five 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. I was able to arrange for the short term storage of the NESACS archives while the long term plan is being implemented.

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, communications 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

### *Ruth Tanner*

**Education:** B.S. Purdue University; Ph.D. University of Cincinnati (Physical Organic Chemistry) Professional Experience: Post-doctoral Research Associate, Duke University with Charles Hauser (Deuterium Exchange Reactions, Kinetics); Massachusetts State College at Lowell; Chair, Chemistry Department (1974); University of Massachusetts Lowell, Professor (1978 – 2007); Visiting Scientist, Massachusetts Institute of Technology (Biomaterials and Fabrication Laboratory); Member of Joint Council on Food and Agricultural Sciences (USDA 1979 – 1985); Director, Women in Science and Engineering Program (UMASS Lowell); 1996 – 2006, Professor Emeritus University of Massachusetts Lowell (2007 – Present)

**ACS Service:** Councilor (2010 – present); Membership Affairs Committee (2011-present); Advisory Board, American Association of Chemistry Teachers (2013-present); High School/College Interface Symposium Chemical Education Division, 224th ACS national meeting 2002; On-Site Coordinator, ACS TV Satellite Seminar

Series, Teaching Chemistry, University of Massachusetts Lowell (1996 – 1999) NESACS Service: NESACS Chair, (2012); Nominating Committee, Chair (2013); Board of Directors (1996 – Present); Chair, Education Committee including promotion of programs for undergraduate and high school chemistry teachers; sponsorship of symposia at colleges and universities in the Northeastern Section; steering committee for the NESACS-JCF/GDCh Exchange program with Germany (2001 – present), a joint program with the YCC; the ACS Scholars program, the Northeast Undergraduate Day; coordination of student affiliate organizations, Chair of Connections to Chemistry, a program to connect high school chemistry teachers with the CHED resources of the ACS (1997 – 2009); NESACS Trustee (2015-present); Chair, NESACS Board of Trustees (2017).

**Honors:** The John A. Timm Award for Excellence in Teaching Chemistry from the New England Association of chemistry Teachers (2012); Henry A. Hill Award for “meritorious service to the NESACS and to the profession of Chemistry” (2007); Advancement Award from Boston Club for Women in Science and Engineering Program (2000); Council on Diversity and Pluralism Award (1999); Department of Chemistry Teaching Award (1998)

**Statement:** The Trustees of NESACS are responsible for the management and growth of the Trust Funds of the Section and to make recommendations to the Board as to the uses of the Funds, in keeping with the wishes of the donors of the funds. Asset management involves the preservation and growth of funds by appropriate investments. The funding for the Sections programs, meetings, awards and activities comes from membership dues, contributions, sponsorships and support from the parent ACS. In addition, the income from the Trust Funds provides funding for specific awards and activities in keeping with their designated objectives. As Trustees, with the advice of our financial investment managers, we need to be progressive, with caution, in seeking opportunities for growth that do not risk the principal of the funds.

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## **Robert L. Lichter**

(See experience and statement under Councilor/Alternate Councilor)

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## **Auditor**

### **Patrick M. Gordon**

(See experience and statement under Councilor/Alternate Councilor)

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## **Councilor/Alternate Councilor**

### **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 (2009-2017); 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 (2011-17).

**Statement:** As the Editor of the *Nucleus* for the last twelve years, I have made a major contribution to the local section. Each year involves coordinating the production of nine issues, attendance at Board of Publications meetings as well as monthly Board Meetings. As a consequence of this duty, I am knowledgeable about the operations, history, and activities of the NESACS.

I am also well acquainted with the

leaders and many members of our section. Over the last six years as a councilor I have worked at supporting the objectives of our section at the ACS National Meetings. I have made it a priority to attend every national meeting as a councilor in order to develop a presence at the national level and ensure a strong NESACS presence at each Council Meeting.

In 2010, I was appointed an associate member of the Committee on Chemical Abstracts Service (CCAS). CAS is one of the most important service/businesses of the ACS.

I believe strongly in supporting the efforts of CAS in a very competitive environment for information services. After my first year as an associate member of CCAS I was appointed to a full term for 2011-13. I was just reappointed to a third term for 2017-2019.

If re-elected as councilor I hope to further extend my influence at the national level, as well as support the objectives of NESACS locally and nationally. Thank you for considering my candidacy and allowing me to represent you.

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### **Patricia Ann Mabrouk**

**Education:** B.A. 1982 Wellesley; Ph.D. 1988 Massachusetts Institute of Technology

**Professional Experience:** NIH Postdoctoral Fellowship 1988-1990 Stanford University; Assistant Professor, Northeastern University (1990-1997); Associate Professor, Northeastern University (1997-2004); Associate Dean of Academic & Faculty Affairs for the College of Science, Northeastern University (2011-2015); Professor, Northeastern University (2004-present)

**ACS Service:** Member since 1988. Associate member of ACS SEED National Committee (2003 – 2004); Councilor (2004-2012); Associate member of Women Chemists Committee (2006-2009); Associate member of Meetings & Expositions (2009-2010); Associate Member of SOCED (2011-2014); Member, Special Joint Committee revising ACS Academic Professional Guidelines (2012-2014); Chair of ANYL Education Committee (2008 – 2013); Member, ACS National Award Committee (2009-

2012); Chair, ACS National Award Committee (2013); Member, ACS ChemLuminary Award Committee (2013-2014); Associate member of ETHX Committee (2015-2016); Member of ACS Division of Chemical Education (CHED) Regional Meetings Committee (2016-2017); Member of ETHX Committee (2017)

**NESACS Service:** ACS SEED Coordinator for NESACS (1998-2010); Member of the Theodore William Richards ACS Medal Award Committee (1999 – 2005; 2010-2014); Member of James Flack Norris Award Committee (2013-2016); Chair of James Flack Norris Award Committee (2015); Chair of Theodore William Richards ACS Medal Award Committee (2000 – 2004; 2011-2012); Chair-Elect (2005); Chair (2006); Past-Chair (2007); Councilor (2004-present)

**Memberships, Honors:** NSF CAREER Award (1996-2001); CASE Massachusetts Professor of the Year (2003); Northeastern University Excellence in Teaching Award (2004); Fellow of the American Chemical Society (2011); Sigma Xi; AAAS; NSTA; NSTA; CUR

**Statement:** Over the past three years, I have had the privilege of representing you on Council and as a member of three committees: SOCED, ETHX and the CHED Regional Meetings Committee. As a member of SOCED I had an opportunity to revise the ACS Professional Guidelines, develop a position statement on online education, and served as a reviewer for several ChemLuminary Awards (Outstanding High School Chemistry Program and for Outstanding Kids & Chemistry Program). On ETHX, I partnered with several other committee members to develop an interactive poster to learn about our membership's needs and concerns on ethical issues and ethics training, and organized a symposium on ethical issues in authorship for the Spring 2017 National ACS Meeting in San Francisco. As a member of CHED's Regional Meetings Committee I developed a set of blogs (How to Put Together a CV, How to Write a Teaching Philosophy Statement, and How to Be an Effective Nominator) for ChemEdX to help educate high school teachers on

how to nominate themselves or deserving peers for the ACS Regional High School Teacher Awards. Thank you! I am truly grateful for the myriad opportunities I have had as your representative and I hope that you feel you have benefited by my service. I deeply value the opportunity being an ACS Councilor affords me to “give something back.” I would very much like to continue to serve you and ACS as a Councilor representing our local section. Of course I can only do this with your support so I am asking for your support, specifically, for your vote. Many thanks!

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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; Councilor, 1997-98, 2003-present;

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 (NERACS), 2010-present; IYC Committee, 2011; Subsection Task Force, 2013-2015; Richards Medal Committee, 2013-present.

**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® Catalyst 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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### **Matthew M. Jacobsen**

**Education:** Boston University, Boston, MA; Ph.D., Biomedical Engineering 2017; M.S., Biomedical Engineering 2016; University of Utah, Salt Lake City, UT; B.S., Biomedical Engineering 2011; B.A., Political Science 2011

**Research Experience:** Graduate Research Assistant–Matrix Mechano-transduction and 2011–present; Biomimetic Materials Engineering Laboratories, Boston, MA; Research Fellow – Beckerle Laboratory, Huntsman Cancer Institute, 2009–2010, Salt Lake City, UT

**ACS/NESACS Service:** Policy Liaison–Government Affairs Committee, NESACS 2016 – present.

**Professional Memberships:** American Association for the Advancement of Science 2016-present; American Chemical Society 2015–present; Biomedical Engineering Society 2014–present; Tau Beta Pi Engineering Honors Society 2010–present; Phi Eta Sigma Honors Society 2005–present.

**Awards:** NIH Translational Research in Biomaterials Fellowship 2011–present; Outstanding Graduating Student Leader, College of Engineering, University of Utah 2011.

**Statement:** Since my early undergraduate career, I have focused my professional training on becoming a scientist who is equipped to make a positive contribution in the interface between science and policy. My first exposure to this field was an impactful one, when I was told: “the government's job is to make your life as a scientist miserable.” These remarks signaled to me that this is a field where I could

make a positive contribution. It was this desire that led me to find the Northeastern Section of ACS when I attended a meeting at Boston University hosted by the Younger Chemists and Government Affairs committees on the same issue of science policy and advocacy. There, I was able to get a small glimpse of the passion, dedication, and intelligence within the section, which motivated me to ask after the meeting how I could get involved. It has since become one of the best decisions of my early professional life.

From that time, I have found an active role in the Government Affairs Committee as a Policy Liaison. I have been humbled by the welcoming and enthusiastic nature of the members and leaders within NESACS as I have participated in section activities and attended monthly board meetings. I have valued the chance to represent both the ACS organization and the section, and I am honored to now receive a nomination for councilor. As councilor, I promise to continue pushing the outreach goals of the section forward. In particular, I believe that we can create a far-reaching and effective advocacy network by actively engaging members of the section and attracting new members who have the same interests. The current political climate presents a great opportunity to inspire participation with us in science policy, which can help to swell our numbers, especially among the younger professionals looking for some way to participate. This recruitment and outreach effort would ultimately be directed towards the goal of arming members with the tools and resources they need to make political advocacy accessible to them, whenever needed. I hope to have the opportunity to carry out these plans for you as a councilor of the Northeastern Section.

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### ***Patrick M. Gordon***

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

**Professional Experience:** Post Doctoral Associate, Kansas State University,

(1987-1988); Organix Inc., Woburn, MA (1988-1991); Senior Scientist, Polaroid Corporation (1991-2001); ArQule Inc. (2001-2002); Polymer Laboratories, (2003-2004); Emmanuel College, Adjunct lecturer (2004-present); Simmons College, Adjunct lecturer (2005 to 2010); Adjunct lecturer, MCPHS University, 2010-present Cape Cod Community College, Assistant Professor, Chemistry, 2015 to present

**ACS Service:** Alternate Councilor (1994-1996, 1997-1999, 2000-2001, 2003-2006); Committee of Minority Affairs (2013-present)

**NESACS Service:** NERM Chair of the Symposium on Cannabinoids, (1989); Centennial Committee Co-Chair (1998); Member, Board of Publications 1999 to present; Secretary, Board of Publications, 2000; Chair, Board of Publications, 2002, 2004; Member, Board of Publications, 2003; Alternate Councilor ('94-'96 and '97-'99, '00-'01, '06-'08). Career Consultant Volunteer service (2005-present); President, NESACS, 2011

**Statement** Educational opportunities will always be instruments that will allow individuals to improve their lives. Moreover, scientific solutions to local and global problems require deliberate thinking which suggests that any leadership organization embraces thinking for a change! The challenge in improving public education continues and I believe that ACS can and should continue to play a role in providing scientific, educational opportunities to middle and high school students through its local sections.

The ACS and NESACS have to be partners in that process and the goal must be: making a positive difference the lives of the children we are entrusted with. As the debate and inevitable shifts in funding and policy that will take place in the K-12 education platform, we must be mindful of the infrastructure that continues to support an unequal opportunity education for many of its citizens. Thus the need for the presence of ACS and its local chapters to support many of those K-12 students who are in an underserved public school environment.

Reticence and intransigence to solving these educational challenges as they

affect communities will not allow communities to be better served by their citizens. As see my role as a councilor to continue my commitment to do what I can, individually, and when possible, work with other ACS members to inspire and equip the next generation of scientists who will inherit a world that should be left in a better state than we got it.

If elected to the NESACS Board, I look forward to your continued support and I am committed to serving with integrity as your board representative and the auditor of the section.

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### ***Carol Mulrooney***

**Education:** B. S. Chemistry, University of Connecticut; M. S. Chemistry, Saint Joseph College; Ph. D. Organic Chemistry, University of Pennsylvania.

**Professional Experience:** Chem-informatics Scientist, Broad Institute of MIT and Harvard (2016-present); Senior Research Scientist, Chemistry & Data Analysis, Preceres LLC (2014-2016); Field Marketing Specialist, Informatics, PerkinElmer (2014); Research Chemist II, Broad Institute (2008-2014); Research Scientist, Polymedix (2005-2007); Graduate Research Assistant, University of Pennsylvania (2000-2005); Scientist II, Boehringer Ingelheim Pharmaceuticals (1993-2000).

**NESACS Service:** Chair, Women Chemists Committee (2016-present).

**Memberships:** American Chemical Society.

**Statement:** It is a great honor to be nominated for the position of Councilor and I am very excited to have the opportunity to serve our section. Since my undergraduate days with the Student Affiliates of the ACS, I have benefitted from the support of ACS mentors and I am dedicated to participating in and supporting outreach and mentoring among the next generation of scientists.

I currently chair the Women Chemists Committee and am proud to serve both the interests of women chemists and of NESACS members overall. The WCC's goals are to inspire women students to pursue careers in STEM, support women chemists' career growth, encourage more women to be active in NESACS,

and communicate women scientists' contributions. The WCC is also dedicated to supporting activities throughout NESACS in a number of ways, including a collaboration with the Younger Chemists Committee and the Senior Chemists Committee to sponsor a series of mentoring-themed programming throughout the 2017-2018 season. I am also participating in Project SEED toward mentoring high school students and I will support other critically important committees including the Government Affairs Committee wherever possible.

If elected, I will continue to work toward these programs on the national level, emphasizing the support of students pursuing careers in STEM, encouraging more chemists to be active in the ACS, and promoting science policy in local and national governments. I am particularly interested in drawing from the experiences of other local sections and national committees to further enhance these activities. Together I believe we can promote first-class STEM education, improve public opinion of science, and influence government policy toward a healthy population and planet. Thank you for your support.

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### **Robert L. Lichter**

**Education:** Harvard University, A.B. cum laude, 1962; University of Wisconsin, Ph.D., 1967.

**Professional Experience:** (for past ten years): Principal and Co-founder, Merrimack Consultants, LLC, 2002 to 2015.

**ACS Service:** Member ACS since 1962. Committee on Nominations and Elections, 2015-2017; Committee on Minority Affairs, 1999-06; Committee on Budget and Finance, 2006-14, Committee on Science, 1997-02; Program Review Advisory Group, 2008-12; Advisory Board, Chemical & Engineering News, 1998-06; ACS Graduate Education Advisory Board, 2002-06; ACS Development Advisory Board, 2008-15; Georgia Section: Chair, 2005, Chair-Elect, 2004. North Jersey Section: Analytical NMR Topical Group, Chair, 1982-83.

**NESACS Service:** Member since 2005. Board of Directors, 2008-present;

Councilor, 2008-17. Subsection Task Force; German Exchange Program; Committee on Constitution and Bylaws

**Relevant Memberships:** American Association for the Advancement of Science, Association for Women in Science. ACS Divisions: Organic Chemistry and Chemical Education.

**Honors:** ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences, 2010; ACS Fellow, 2009; Fellow, Association for Women in Science, 2004; Fellow, American Association for the Advancement of Science, 1995

**Related Activities:** Member and/or officer of boards and committees of NSF, National Research Council, Sigma Xi; Experimental NMR Conferences, Council on Undergraduate Research, National Conferences on Undergraduate Research. Executive Director, The Camille and Henry Dreyfus Foundation, Inc., 1989-2002; Vice Provost for Research and Graduate Studies, State University of New York at Stony Brook, 1986-89; Program Officer, Research Corporation, 1983-86; Hunter College of the City University of New York, Chemistry Department, Assistant Professor, Associate Professor, Professor, 1970-83, Department Chair, 1977-82; California Institute of Technology, Research Associate, 1968-70.

**Statement:** I am honored to be nominated for re-election as a NESACS ACS Councilor. As a long-time ACS member for >50 years, your Councilor for seven, and a participant in numerous ACS activities detailed on my biographical sketch, I understand very well how ACS functions.

Currently on the Committee on Nominations and Elections through 2017, I have served or continue to serve on the following subcommittees: Leadership Sustainability (charged with broadening pathways to senior ACS leadership), President-Elect and Council Policy Committee nominee selection; and nominee selection for the 2019-2021 District I Director (our District, and which I now chair). N&E takes these responsibilities very seriously, as we strive to develop for Council consideration the most talented and inclusive array of nominees from the accomplished indi-

viduals who constitute ACS's members.

I continue to support ACS's efforts to widen sources of funding for programs, especially the ACS Scholars Program. The astonishing accomplishments of that program's participants lend optimism about the future of the chemical enterprise.

Finally, recognizing that Councilors represent you, I'll continue to listen closely to your views on ACS and its governance, which will help inform my role as your representative. I welcome your support and look forward to continuing to serve on your behalf.

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### **Raymond E. Borg**

(Candidacy withdrawn)

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### **Ajay Purohit**

(Candidacy withdrawn)

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### **June Lum**

(No Statement submitted)

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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:** 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).

**Awards and Honors:** 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).

**Service in ACS National Offices:** 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).

**Service in ACS:** Member since 1998; ACS Divisions: Organic and Medicinal Chemistry. Northeastern Section: ACS Host Local Section Committee, Chair (2015), Alternate Councilor (2013-Present), Government Affairs Committee, Member (2010-Present), STEM Outreach - Science Café and Science Fairs (2011-Present); 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 at the Women Chemist Symposium (2006); ACS Host LS Section Volunteer (2007).

**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 moving to Boston in 2010. I have had a privilege of serving as an Alternate Councilor and a member of the Board of Directors since 2013. In 2015, I chaired the NESACS Host Local Section Committee, helping to make the Fall ACS National Meeting in Boston a success, hosting over 13,000 attendees. In this role, I had the opportunity to recruit, meet and work with many NESACS members from academia and industry, several of them first time volunteers. I am also a passionate advocate for STEM education with extensive outreach experience. 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 NESACS 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. I will work with NESACS leadership to develop programs that will help engage and benefit broader NESACS membership. I invite you to join us. I appreciate your vote for a Councilor and thank you for your support!

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### *Mukund S. Chorghade*

**Education:** B.Sc. 1971; M. Sc. 1973 (1<sup>st</sup> Class Honors) University of Poona, India; Ph.D. (Organic Chemistry), 1982, Georgetown University

**Professional Experience:** Research Fellow, National Chemical Laboratory (1973-74); Instructor, Georgetown University (1981-82); Postdoctoral Research Assoc., University of Virginia (1982-84); Postdoctoral Research Fellow, Harvard University (1984-85); Senior Research Chemist (1985-89); Project Leader (1989-90), Dow Chemical Co.; Research Scientist/Assistant Director, College de France, Paris and Universite Louis Pasteur (1990-91); Project Manager, Abbott Laboratories, Pharmaceutical Research (1991-95); Senior Director, Chemical Sciences Research & Development, CytoMed, Inc. (1997-98); President, CP Consulting, Chorghade Enterprises (1995 to present); Visiting Scholar, University of British Columbia, University of Chicago, Northwestern University, Caltech, Cambridge University; Vice President, Pharmaceutical Development Sciences, Geltex Pharmaceuticals / Genzyme, (2000 to 2003); President and Chief Scientific Officer, Pharmaceutical Sciences Division, D & O Pharmachem (2003-present), President and CSO, THINQ Pharma (2006-), Founder and CSO, AGN Biofuels and Empiriko, (2010-2014), Adjunct Research Professor at Northeastern University (2008-),

Adjunct Research Professor at Harvard and MIT (2009-), Visiting Scholar, Boston College (2014-), Fulbright Specialist (2015-), Visiting Fellow at Princeton (2015-), Rutgers (2016-)

**ACS Service:** Member since 1982. Chair, Brazosport Section (1990); Organic Division, member; Visiting Speakers Program (1999 to present); Department of Career Services Consultant (2000 to present); Member, International Activities Committee (2003-2012), Program Chair, ComSci (2012-2013), Chair, SCHB (2010-11, 2014-6), Member, Entrepreneurial Resource Center (2012-)

**NESACS Service:** Board of Directors (1997-), Public Services Committee, Chair; Professional Services Committee, member and chair (2005-); Public Affairs Committee; Public Relations Committee (2000-), Interim Editor, The Nucleus (2004), NESACS Chair-elect (2006), Chair (2007)

**Memberships, Honors:** Maharashtra Academy of Sciences (Elected Fellow); Andhra Pradesh Academy of Sciences (Elected Fellow) IUPAC; Royal Society of Chemistry (Elected Fellow); New York Academy of Sciences; American Institute of Chemists (Elected Fellow); AAAS (Elected Fellow); ACS (Elected Fellow), Sigma Xi; Indian Society of Bio-Organic Chemists; IUPAC Commission on Biotechnology, Medicinal Chemistry, New Technologies and Special Topics, Division of Chemistry and Human Health; 20<sup>th</sup> IUPAC Conference on the Chemistry of Natural Products, Chicago, 1996; Chair, Scientific Programs Comm., on Advisory Board for Organic Process Research and Development; Member, Committees on International Activities and Technology, American Institute of Chemists. Awarded “Diamond Jubilee Fellowship”, Univ. Dept. of Chemical Technology, Mumbai, India- Awarded “B.D. Tilak Distinguished Visiting Fellowship”, University of Bombay, India. Awarded “Bharat Gourav” Award, Government of India. Invited speaker at numerous international conferences

**Statement:** It is a singular honor and privilege to be nominated to the position of Councilor for the Northeastern Sec-



tion.

It will be my endeavor to represent the Northeastern section effectively. The issues confronting the Chemical Enterprise in the USA and the ACS are complex and demand creative solutions. I am spearheading an entrepreneurship effort that will stimulate job growth. I would also ensure election of more NESACS Fellows. I will spare no effort in ensuring that the voice of our electorate is heard and that the council determines effective policies for all members.

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### **Raj (SB) Rajur**

(See statement and experience under Chair-Elect)

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### **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; 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.

**Personal Statement:** I am honored to be nominated for election as a NESACS councilor. I have enjoyed my tenure in 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 represent the interests of the Northeast Section at the national meetings to the fullest of my abilities. I will actively work to promote chemistry to the general public, and to foster interest and participation of the chemistry community. Thank you for your consideration.

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### **Andrew Scholte**

(See statement and experience under Chair-Elect)

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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 Fellow at Harvard Medical School and Massachusetts General Hospital, Boston, Massachusetts. Ph.D. researcher at Center for Systems Biology, 2016, Massachusetts General Hospital, Boston, Massachusetts.

**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:** 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; Active member of the executive board in the local Younger Chemists Committee (YCC) since 2015.

**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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### **Director-at-Large**

#### **Ralph T. Scannell**

**Education:** B.S., 1973, Boston State College (Major: Biology and Minor: Chemistry); M.S., 1978 University of Lowell (Chemistry); Ph.D., 1983, Brandeis University (Organic Chemistry)

**Professional Experience:** Laboratory Instructor, University of Lowell (1976-1977); Postdoctoral Research Associate, University of Virginia (1983-86); Senior Medicinal Chemist (1987-1990), A.H. Robins Pharmaceuticals; Senior Research and Development Chemist (1990-1992), Ethyl Corporation; Principal Scientist (1992-1994), Associate Director of Medicinal Chemistry (1994-1996), Director of Medicinal Chemistry (1996-1998), Senior Director of Medicinal Chemistry (1998), CytoMed, Inc.; Senior Director of Chemistry (1998-2005), UCB Research, Inc.; Head of Chemistry (2007), Vice President of Chemistry (2007-2008), Amulet Pharmaceuticals; R&D Consultant (2008-Present); Head of Chemistry, Radiation Control Technologies (2011-2012); Vice President of Chemistry, ETX Pharmaceuticals (2013-Present), Adjunct Associate Professor, M.S. Program in Drug Discovery and Development, Massachusetts Col-

lege of Pharmacy and Health Sciences (2007-2010); Guest Lecturer, Drug Discovery and Development, Boston College (2015); Guest Lecturer, Drug Discovery and Development, Northeastern University (2009-2015).

**NESACS Service:** Vice Chair/Programs 2006; Organizing committee, NESACS, IUPAC and RSC-US sponsored Advances in Chemical Sciences Symposium (2007-2010); Director-at-Large, 2009 – 2017; Nominating Committee, 2010; ACS Fellows Nominating Committee, 2012; Canvassing Committee for the Eselen Award, 2013; Alternate Councilor, Northeast Section of the American Chemical Society 2015 – 2017.

**Memberships:** American Chemical Society (Organic and Medicinal chemistry divisions), Science Advisory Board Member, University of Massachusetts in Boston (2002-2013).

**Statement:** It is an honor and a privilege to be nominated for Director-at-Large for the Northeastern Section of the American Chemical Society. My extensive experience in industry, where I held several leadership roles, gives me the necessary background to operate efficiently and effectively in the role of Director-at-Large. NESACS performs a critical function in representing the interests of its membership and creating opportunities where members can meet and disseminate information. I am looking forward to participating in these activities, promoting the growth of the organization and serving the interests of its membership.

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### Jens Breffke

**Education:** Dipl.-Chem. Humboldt-Universität zu Berlin, Germany (2008); Ph.D. Pennsylvania State University (2014)

**Professional Experience:** Visiting Research Scholar, Universidad de Santiago de Compostela, Spain (2007-2008); Postdoctoral Research Fellow, National Institute of Standards and Technology, Gaithersburg, MD (2014-2017); Application Specialist, Boston Electronics Corp., Brookline, MA (2017-present)

**Honors:** ACS Leadership Develop-

ment Award (2013); Harry and Catherine Dalalian Fellowship (2009,2011); Thesis Research Scholarship, Evonik Industries (2008); Leonardo da Vinci II Fellowship, German Academic Exchange Service (DAAD) (2007)

**International Service:** Chair, GDCh JungChemikerForum (2006/07) Founding Member, EuCheMS European Young Chemists Network (EYCN) (2007/08)

**ACS Service:** Member, Younger Chemists Committee (YCC) (2009-2015); Member, Presidential Task Force “Vision 2025” (2012-2013); Work Group Leader, YCC International Presence (2011-2015); Associate, International Activities Committee (IAC) (20016-present)

**Related Activities:** Organizer, JCF Spring Symposium in Berlin, Germany (2005); Delegate, NESACS German Exchange Program to Boston (2007); Host, NESACS German Exchange Program to Rostock & Hamburg, Germany (2008); Symposium Organizer, „Globalizing Education: Graduate School Opportunities in North America & Europe“, ACS NM&E, Anaheim, CA (2011); Organizer, Younger Chemists Crossing Borders (YCCB) Program (Denver 2011, Prague 2012, Indianapolis 2013, Istanbul 2014, Boston 2015); Organizer, NESACS German Exchange Program to Boston (2015); Symposium Organizer, „Intellectual Property for Younger Scientists“, IUPAC World Chemistry Congress 2017, Sao Paulo, Brazil

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### James U. Piper

**Education:** B.S. MIT; M.S., Ph.D. Emory University.

**Professional Experience:** Research appointments at Yale U. 1963-6, MIT 1966-7 and 72-3, Worcester Foundation for Experimental Biology 1979-80. Teaching appointments at New Haven College 1963-6, Simmons College 1966-2002. Currently Emeritus Professor.

**NESACS Service:** ACS Member since 1960. 1990 and 2016 Hill Award. NESACS Treasurer Sept. 1977-Dec. 2016.

**Statement:** Having been Treasurer of

the Section for 40 years (much too long) I believe I can be a resource of historical information for the Board of Directors. Over the years I have observed a Board of Directors who volunteer many hours in the service of their profession and who oversee an increasingly large quantity of high quality programs. It would be a pleasure to continue to serve the Section.

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### John M. Burke

**Education:** B.A. Chemistry, M.A., Ph.D. Organic Chemistry, Brandeis University

**Professional Experience:** International Informatics Project Manager, Ipsen Bioscience Inc. (2015–Present); 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; American Association of Pharmaceutical Scientists; Cambridge Semantic Web Meetup Group; Laboratory Robotics Interest Group; Boston Area Group for Informatics and Modeling; Association for Computing Machinery; American Association for the Advancement of Science; Oracle Life Sciences User Group (Founding Director)

**NESACS Service:** Director-at-Large, 2012 – Present; Nominating Committee – 2015/2016

**Statement:** I am honored to have been re-nominated for Director-at-Large

of the Northeastern Section. Throughout my career in academia and industry, my training as a chemist has led me to many unanticipated opportunities within a diversity of scientific and technical cultures where chemistry holds a high value. As I continue to witness the evolving relationships among chemistry, biology, information technology, nanotechnology, and other emerging hybrid disciplines, I cannot escape wondering about how the evolving diversity of what it means to be a chemist will and should affect the ACS and the NESACS. I hope to be involved in helping our section anticipate and serve effectively the evolving needs and interests of our members, and I feel that my own career experiences have helped me learn how to communicate effectively across the increasingly fuzzy boundaries between chemistry and many of the disciplines it touches. I look forward to continuing my service to the NESACS, helping to foster communication and collaboration, and helping to promote the growth of our section.

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## Nominating Committee

### *Sonja Strah-Pleyner*

(See Experience and Statement under Councilor/Alternate Councilor)

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### *Caitlyn Mills*

**Education:** B.S. Chemistry and B.S. Forensic Science, University of New Haven, CT (2012); Ph.D. Candidate in the Department of Chemistry and Chemical Biology at Northeastern University, MA (2012-present)

**ACS Service:** ACS Member (2012-present); ACS Computers in Chemistry Division (2015-present); in collaboration with YCC, hosting a symposium at the ACS National Meeting in DC (2017) that will be modeled after the NSYCC symposium we presented at NERM 2016

**NESACS Service:** NSYCC Social Chair (2015-2016) and NSYCC Chair-Elect (2016-present), wrote application for the Local Section Sustainability Pro-

gramming Grant we received, planned various social events, co-organizer for the Career Symposium and NSCRC the past two years; NESACS Government Affairs Committee (2016-present); NESACS WCC (2016-present)

**Relevant Memberships:** In addition to the ACS memberships: AAAS, ASBMB, ISCB, Protein Society

**Honors:** Outstanding Graduate Poster Award, NSCRC (2014); PhRMA Foundation Pre Doctoral Fellowship in Informatics (2015); Best Poster Award, Protein Society (2015); Northeastern University Excellence in Graduate Research Award (2016); Hans Neurath Outstanding Promise Travel Award, Protein Society (2016); ChemLuminary Award for Outstanding Local Section YCC (2016); Young Chemists Crossing Borders (2016); Young Chemists Committee Leadership Development Award (2017); International Younger Chemists Network (IYCN), Conference Presence Steering Committee (2017-present); in addition, various travel awards over the years

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### *Thomas R. 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, Acting Dean, School of Education, 2004-06; Associate Professor, 1986-.

**Service in ACS National Offices:** Board of Directors, Director, District I, and ex-officio Councilor, 2013-15; Committee on Public Affairs and Public Relations, 2014-15; Committee on Professional and Member Relations, 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 to date.

**Service in ACS Offices:** Member ACS since 1968. Northeastern Section: Councilor, 1990-2013; 2017-; Chair, 1988; Chair-Elect, 1987; Centennial Celebration Program Chair, 1998; Analytical Group Chair, 1983-86; Northeast Regional Meeting: General Chair, 1993. Division of Analytical Chemistry: 46th Annual Summer Symposium on Analytical Chemistry, Co-Chair Organizing Committee, 1993.

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

**Related Activities:** ACS, Education Division, Analytical Chemistry Examination Committee, 1998-2000; Published 45 journal articles and two general chemistry textbooks (in their 4th and 1st editions), holds three patents.

**Statement:** If re-elected, I will continue to work with the Northeastern Section Young Chemists Committee and others to identify and mentor younger chemists, particularly those working in industry, who are interested in serving NESACS and in taking on leadership roles in the Section's governance.

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## Richards Award Committee

### *Jerry P. Jasinski*

**Education:** B.A., 1964, M.S.T., 1968 in Chemistry, University of New Hampshire; M.N.S. in Natural Science, Worcester Polytechnic Institute (1968); Ph.D. in Chemistry, 1974, University of Wyoming; NATO Summer Research Associate, 1972, Chim Lab-4, University of Copenhagen, Denmark; Los Alamos Scientific Laboratory (LASL), Associated Western Universities (AWU) Pre-Doctoral Research Fellow (1973-74); Postdoctoral Fellow, 1974-1975, University of Virginia.

**Professional Experience:** Keene State College: Assistant Professor (1978-83), Associate Professor (1983-89), Professor (1989-Present), Chair,

Department of Chemistry, (1999-2005); Chair, Department of Physics, (2003-2005); High School Chemistry/Physics Teacher (1964-70, 1975-78); (New England Institute of Chemists, NEIC, Treasurer, 1988-Present); Coeditor of *Acta Crystallographica, Section E* (2009-Present); Editorial Board Member of the *Journal of Crystallography* (2012-Present); American Institute of Chemists (AIC-Board of Directors 1999-01, 2007-2009, President 2009-2011, Chair of the Board 2011-Present); 2013-2014 Fulbright-Nehru Scholar. Coauthor of over 675 refereed papers in major chemical research journals.

**ACS Service:** Member since 1970. Member of INOR division. NESACS: Nominating Committee (2000-01, 2007-08, 2016-17); Alternate Councilor (2007-09; 2010-15); Norris Award Committee (2009-2012, Chair 2012); Richards Award Committee (2013-2017, Chair 2017); Chair-Elect (2015), Chair (2016) and Immediate Past Chair of NESACS (2017).

**Memberships:** American Chemical Society (ACS), New England Section of the American Chemical Society (NESACS), American Crystallography Association (ACA), American Institute of Chemists (AIC), New England Institute of Chemists (NEIC), Council for Undergraduate Research (CUR), New England Association of Chemistry Teachers (NEACT).

**Statement:** I would consider it an honor to continue to serve as a member of the Richards Committee of NESACS. In my tenure as Alternate Councilor, member of the Nominating, Norris Award and Richards Awards Committees and as the 2016 Chair of NESACS, I welcome the opportunity to serve our section, its members and the broader Society in this venue. As a member of the Richards Committee, I will continue to work with members of the committee to bring the most prominent scientists forward as future awardees of this most prestigious award given by the NESACS. I ask for your vote as a member of the Richards Committee and thank you for your consideration and support.

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### Ravi Sharma

Dr. Ravi Sharma has held senior research and development positions with top imaging, printing, biomaterials, and specialty chemicals companies, with increasing level of complexity and responsibility. During an extensive career at Eastman Kodak, he worked on a variety of materials problems spanning fundamental science to problem solving in fields of polymer interfaces and coatings, self-assembled monolayers, tribology, wetting, surface modification, dispersions, surfactants, and inkjet technology. At Bausch and Lomb, he managed the Applied Polymer Science Laboratory responsible for improving surface characterization methods and development of surface modified hydrogel materials for contact lenses. At Cabot Corporation, Ravi led the Directed Assembly Research Platform responsible for developing advanced functional materials and providing core competency in assembly of nanoparticles in polymers and complex fluids. At Performance Indicator, in Lowell, MA, Ravi was Engineering Fellow- Colloidal Systems, where he led programs developing color-switch off inks and dye encapsulation technology with applications in tissue marking and lighting.

Ravi is actively engaged in colloids, interface science, dispersions, and functional materials technology. He has presented his work at many international and national meetings. Ravi is an accomplished inventor having 94 US patents and patent applications and is the author of 32 scientific publications and the author (Editor) of a book on *Surfactant Adsorption and Surface Solubilization* (ACS symposium Series). Ravi has a Ph.D. in Colloid and Interface Chemistry from the University of Bristol, England.

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### Malika Jeffries-EL

**Education:** B.A. Chemistry 1996, Wellesley College; Ph. D. 2002, The George Washington University; Post-doctoral 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:** 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 – 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.

**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 Northeastern Section. I have previously served on canvassing and selection committees for ACS national awards and thus think that I can be helpful on the Esselen Award committee. I have also been a staunch supporter of diversity and if elected, I will work hard to make sure that the applicant pool is reflective of the diversity of our community.

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### Doris I. Lewis

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

Chemistry

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

**ACS Service:** ACS Council Policy Committee 2016; ACS Committee on Public Relations and Communications 2013-16, associate 2012, 2017; ACS Committee on Chemistry and Public Affairs, 2003-11, associate 2001-02; ACS Legislative Summit 2002-11; ACS National Science Funding Network 1993-2004; ACS Legislative Action Honor Roll 2003; Science, Engineering, and Technology Congressional Visits Day 2014

**NESACS Service:** Councilor 1994-2017; Section Chair 2000; Faculty Advisor, award-winning Suffolk University student chapter 1976-2013; Chair NE-SACS Government Affairs Committee 2002-present; Chair, Phyllis A. Brauner Memorial Lecture Committee, 2001-present; NESACS James Flack Norris Award Committee 2011-2014, Chair 2014; NESACS Nominating Committee Chair 2001, member 2010, 2012; Board of Publications 1995-98, Chair, 1996-98; National Chemistry Week Committee 2000-present; Summerthing Chair (Red Sox event)

**Honors:** ACS Fellow 2014; E. Anne Nalley Northeast Region Award for Volunteer Service to the American Chemical Society 2012; NESACS Henry A. Hill Award 2003; NewTV Award of Excellence, 2009; JFY Networks Achievement Award 1998

**Personal Statement:** The awarding of the Theodore William Richards Medal by the Northeastern Section is a major event in the chemistry community. It is an honor to be considered for the Committee that oversees this award, and if elected I would work to continue its high standards and honored tradition.

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## Esselen Award Committee

**Prakash R Rai**

**Education:** Ph.D. in Chemical and Biological Engineering, Rensselaer Polytechnic Institute, Troy NY (December 2007); M.S. in Chemical and Biological Engineering, Rensselaer Polytechnic Institute, Troy, NY (May 2007); B.S. in Chemical Engineering, University of Mumbai, India (2003).

**Professional Experience:** Assistant Professor of Chemical Engineering, University of Massachusetts, Lowell (2012-current); Postdoctoral Research Fellow, Massachusetts General Hospital (2008-2012).

**ACS Service:** Member of ACS since 2013; organized symposia at ACS meetings in 2014, 2015, 2016 and 2017.

**Relevant Memberships:** American Chemical Society, American Institute of Chemical Engineers, Society of Biological Engineers, Materials Research Society, American Society of Mechanical Engineers, American Physical Society, American Association of Cancer Research

**Honors:** Scholar in Training award from the American Association of Cancer Research; Pathway to Independence award in Cancer Nanotechnology from National Cancer Institute.

**Statement:** I have been a member of the ACS since 2013 and have organized symposia in the area of cancer nanotechnology in 2014, 2015, 2016 and 2017. I deeply care about the career development on young scientists and students. For every symposium I have co-organized, I have given out travel awards to several aspiring undergraduate student researchers, promising graduate students and talented postdoctoral fellows to allow them to attend the meeting and present their research. I would like to become more involved in local ACS activities. I am extremely passionate about mentoring and training bright undergraduate and graduate students as the next generation of scientific leaders. Thank you for the opportunity to serve the Northeast Section of ACS and I look forward to serving on this committee, if elected.

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**Robert Hanson**

(No statement submitted)

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**John E. Macor**

**Education:** BS, 1982, University of Notre Dame; PhD (Organic Chemistry), 1986, Princeton University (Prof. E.C. Taylor)

**Professional Experience:** Pfizer (1986-1994), co-inventor of Relpax®; Astra Arcus (1994-1997); Bristol-Myers Squibb, co-inventor of *sparsentan*, *avagecestat* and *rimegepant* (1997-2016); Sanofi (2016-present), presently Global Head Integrated Drug Discovery

**ACS Service:** Editor-in-Chief, *Annual Reports in Medicinal Chemistry* (2007-2011); MEDI Vice Chair (2012); MEDI Program Chair (2013-2014), MEDI Chair (2015), MEDI Past Chair (2016)

**NESACS Service:** – Speaker, 2016 5<sup>th</sup> Annual Advances in Chemical Sciences

**Relevant Memberships:** ACS Member (1986-present); ISCH (2015-present)

**Honors:** 2009 Scarborough Award (MEDI); 2011 ACS Fellow; 2014 Alfred Burger Award (ACS); 2014 MEDI Hall of Fame; 2002 Chair GRC on Medicinal Chemistry; 2006 Chair GRC on Heterocyclic Compounds

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**Jeffrey Steinfeld**

(No statement submitted) ◇