

**Andrea B. Twiss-Brooks**  
**Curriculum vitae**

**Title:** Co-Director, Science Libraries  
**Address:** The John Crerar Library, The University of Chicago  
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773-702-8777  
[atbrooks@uchicago.edu](mailto:atbrooks@uchicago.edu)  
[ORCID: 0000-0003-1868-2794](https://orcid.org/0000-0003-1868-2794)

**Education:**

- M.S. University of North Texas, School of Library and Information Science, August 1990
- M.S. Cornell University, Department of Chemistry, May 1985
- B.S. Texas Christian University, Chemistry, May 1982 (summa cum laude)

**Career:**

9/16-present

Director, Research and Teaching Support, The University of Chicago Library, Chicago, IL  
As part of a newly reorganized Division of Teaching and Learning within the Library, is responsible for managing research and teaching services for humanities, social sciences and area studies, and for coordination of research and teaching services across the library. Supervises a staff of librarians who provide collection development, individualized library research consultations, orientation to and instruction in the use of library resources and services. Guides planning and strategy for the development of new teaching and research services. Library and University committee service.

6/06-9/16

Co-Director, Science Libraries Division, The John Crerar Library, The University of Chicago, Chicago, IL  
Responsible for various aspects of library administration, including collection budget allocations and supervision of collection services staff. Supervises librarian selectors and technical processing staff. Selection and management of collections in chemistry, geophysical sciences, general sciences, and history of sciences and history of medicine, including electronic resources. Specialized reference assistance and library research consultations, including authoring/maintenance of LibGuides (<http://guides.lib.uchicago.edu/profile.php?uid=16654>). Library and University committee service.

2/03-6/06

Bibliographer for Chemistry, Physics, Geophysical Sciences, and Technology, The John Crerar Library, The University of Chicago, Chicago, IL  
Collection development and management for all areas of the chemistry, physics, geophysical sciences, and technology, including electronic resources. Reference assistance and consultation. Library committee service. Web pages development.

11/98-2/03

Bibliographer for Chemical and Geophysical Sciences, The John Crerar Library, the University of Chicago, Chicago, IL

Collection development and management for all areas of the chemical and geophysical sciences, including electronic resources. Supervision of Chemistry Library branch. Reference assistance in Chemistry and Crerar Libraries. Library committee service. Web pages development.

1/93-11/98

Chemistry Librarian/Chemical Information Specialist, The John Crerar Library, The University of Chicago, Chicago, IL

Supervision of the Chemistry Library branch. Materials selection and collection management for chemical sciences, including electronic resources. Reference assistance and instruction in both Chemistry and Crerar Libraries. Library committee service. Database searching. Web pages development.

9/90-12/92

Reference Librarian/Online Searcher, Mary and John Gray Library, Lamar University, Beaumont, TX  
Coordination and performance of online literature searches; collection development in all areas of science and engineering; bibliographic instruction; reference duties; maintenance and troubleshooting of CD-ROM database products.

7/86-8/88

Editorial Associate, Accounts of Chemical Research, Cornell University, Ithaca, NY (Editor: Professor Fred W. McLafferty)

Communication with authors and reviewers; general office management; editorial support.

1/85-6/86

Database Project Manager, Wiley/NBS Spectral Database, Cornell University, Ithaca, NY  
Training and management of data entry clerks; preparation of reports; general supervision of database expansion project.

### **Selected Professional Activities:**

Member, American Chemical Society, January 1992-present

- National Affiliate, January 1992-December 1996; Full ACS Member, January 1997-present
  - Joint Board-Council Committee on Chemical Abstracts Service, 2002-2008 (chair, 2004-2006); Committee on Community Activities, 2005-2010 (co-chair, Evaluation and Technology subcommittee 2007-2010); CINF Division Councilor, 2006-present; Committee on Nominations and Elections, 2009-2014 (Vice Chair 2014); Council Policy Committee, 2015-2016
- Division of Chemical Information, January 1992-present
  - Divisional Web Site Creator/Coordinator, March 1995-2006; Division Chair 2001; GDCh/CIC – ACS/CINF (German/American) collaboration steering committee, 2005-present; Bylaws and Procedures Manual Committee, Chair, 2003-2006; Awards committee, 2007-2015 (chair 2012-2015); Program committee, 2008-present; Division Councilor, 2006-present
- Chicago Local Section
  - Director, 2014-present

Member, Geoscience Information Society, January 2000-present

- Secretary, 2006-2008; Co-coordinator, Geoscience Librarianship 101 workshop, 2007-2008
- Member, American Geophysical Union, January 2013-2014
- American Geophysical Union Library Advisory Board, 2012-2014
- NEJM Library Advisory Board, 2015-present  
American Chemical Society Publications Academic Round Table, 2014-present  
Thieme Publishers Library Advisory Board, 2012-2015  
NISO Presentation in E-Journals (PIE-J) Working Group, 2010-2013  
Association of Academic Health Science Libraries (institutional representative), 2007-2016
- Scholarly Communications Committee, 2011-2015
- Medical Libraries Association (institutional representative), 2007-2016
- Chair, Local Assistance Committee, 2014 MLA Annual Meeting, 2010-2014
- Greater Midwest Region, Resource Medical Library (institutional representative), 2007-2016
- Print Retention Taskforce, 2010-2011
- Council of Illinois Medical School Library Directors, 2007-2016  
Royal Society of Chemistry Library Advisory Board, 2010-present  
Library Advisory Board to American Chemical Society Publications, 1998-2010 (chair, 2009)  
Academic libraries advisory committee for Chemical Abstracts Service, 2002-2010  
Bio-Rad KnowItAllU Advisory Board, 2007-2010

#### **Funded projects:**

“A Day in the Life” Mapping Project, supported by in part with Federal funds from the Department of Health and Human Services, National Institutes of Health, National Library of Medicine, under Contract No. HHSN-276-2011-00005C with the University of Illinois at Chicago.

“Developing Data Knowledge for Health Science Librarians” workshop, supported by in part with Federal funds from the Department of Health and Human Services, National Institutes of Health, National Library of Medicine, under Contract No. HHSN-276-2011-00005C with the University of Illinois at Chicago.

Consultation Suite for Researchers in the Biomedical Sciences, supported by in part with Federal funds from the Department of Health and Human Services, National Institutes of Health, National Library of Medicine, under Contract No. HHSN-276-2011-00005C with the University of Illinois at Chicago.

#### **Publications/Presentations/Projects:**

Twiss-Brooks, A. R. Andrade, M. B. Bass, B. Kern, J. Peterson, and D. A. Werner “A Day in the Life of Third-Year Medical Students: Using an Ethnographic Method to Understand Information Seeking and Use,” *JMLA: Journal of the Medical Library Association*, in press.

Twiss-Brooks, A. “A Day in the Life’ Mapping Project,” OCLC Research Library Partners meeting: *The Library in the Life of the User*, Chicago, IL, October 21-22, 2015  
video recording: <http://ow.ly/X4mvP>

Twiss-Brooks, A. “‘A Day in the Life’ of a Medical Student: Applying Ethnographic Methods in Academic Health Science Settings,” Medical Library Association Annual Meeting, Austin, TX, May 15-20, 2015

(Planning committee) 4<sup>th</sup> Biennial Kathleen A. Zar symposium, *The Changing Ecosystem of Scholarly Communication*, Chicago, IL, May 1, 2015

(Moderator and co-organizer), *Health Sciences "Lively Lunch,"* Charleston Conference, Charleston, SC, November 5-8, 2014

Twiss-Brooks, A. "What do the readers think? The role of the end user in the evolution of publications," (2014 Herman Skolnik Award Symposium), 248th ACS National Meeting & Exposition, San Francisco, CA, United States, August 10-14, 2014 (2014), CINF-83.

(Session co-organizer with Engelbert Zass), "The Publication Chain Revisited: Old Links and New Connections," The 2014 Herman Skolnik Award Symposium at the 248<sup>th</sup> American Chemical Society National Meeting, San Francisco, CA, August 10-14, 2014.

Twiss-Brooks, A. "Searching Using Text: Beyond Web Search Engines," (Chapter 3) in *Chemical Information for Chemists: A Primer*, Judith Currano and Dana Roth (eds.), Royal Society of Chemistry, 2013. ISBN: 978-1-84973-551-3  
<http://www.rsc.org/shop/books/2013/9781849735513.asp>

Twiss-Brooks, A. "Library spaces for scientific computing discovery and learning," 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013

Invited panelist, PVLRL/ALCTS Publisher Vendor Library Relations Group (Enhanced e-books discussion), ALA Midwinter, January 28, 2013 American Libraries Association Midwinter Meeting 2013, Seattle, WA

Twiss-Brooks, A. Revisions author for Chapter 11. "Chemical Safety Searches," *Chemical Information Sources wiki* (a collaborative, open access, online e-book project)  
[http://en.wikibooks.org/wiki/Chemical\\_Information\\_Sources/Chemical\\_Safety\\_Searches](http://en.wikibooks.org/wiki/Chemical_Information_Sources/Chemical_Safety_Searches)

Twiss-Brooks, A. P853: "XCITR and Chemical Information Sources: Two tools for instructors" in *Web-Based Resources for Chemical Education* symposium, 2012 Biennial Conference on Chemical Education, University Park, PA, July 29-August 2, 2012

(Co-organizer/presider), *Before and After Lab: Instructing Students in 'Non-chemical' Research Skills* symposium, 2012 Biennial Conference on Chemical Education, University Park, PA, July 29-August 2, 2012

Twiss-Brooks, A. "Chemistry Information Training: Present and Future" Special Libraries Association 2012 Annual Conference, Chicago, IL, July 15-18, 2012

Panelist, "The University Press Advantage in Journals Acquisitions," AAUP 2012: Igniting the Future! Chicago, IL, June 18-20, 2012

(Session organizer), *Libraries and Institutional Research Evaluation Symposium*, 243rd American Chemical Society National Meeting, San Diego, CA, March 25-29, 2012

Participant and institutional team leader, ARL-DLF E-Science Institute, July 2011-January 2012 (Capstone event, Mesa, AZ, January 9-11, 2012)

Twiss-Brooks, A. and Klemperer, K., "Best Practices for Presentation of E-Journals" (2011). *Proceedings of the Charleston Library Conference*. <http://dx.doi.org/10.5703/1288284314897>

(Session organizer), *Chemical Environmental Specific Databases and Searching Information Related to the Air, Water, and our Environment Symposium*, 242nd American Chemical Society National Meeting, Denver, CO, August 28-September 1, 2011

*Special Topics in Intellectual Property (ACS Symposium Series 1055)*, Andrea Twiss-Brooks (Editor), Oxford University Press, 2011 <http://pubs.acs.org/isbn/9780841225947>

*ALA Resources for College Libraries*, Earth Sciences section co-editor, 2004-2013  
<http://www.ala.org/ala/acrl/acrlpubs/choice/resources.htm>

Reviewer, *Library Collections, Acquisitions, and Technical Services*

Panelist, Alternative Careers session, *ACS on Campus*, Northwestern University, November 18-19, 2010

Lively Lunch presentation, "*The Seven Tools of Highly Effective Publishers; The Seven Tools of Highly Effective Librarians*" Co-presenter with Carter Glass (American Geophysical Union), Charleston Conference, November 3-6, 2010.

"Chemical Information Instructor" feature editor, *Journal of Chemical Education*, 2002- 2009

*Chemistry Primetime and Online: Communicating Chemistry in Informal Environments*, National Research Council Chemistry Roundtable, Washington DC, May 26-27, 2010 - Panelist/presenter  
[http://books.google.com/books?id=y2eQR7eNYmkC&dq=Twiss-Brooks&source=gb\\_navlinks\\_s](http://books.google.com/books?id=y2eQR7eNYmkC&dq=Twiss-Brooks&source=gb_navlinks_s)

Twiss-Brooks, A., "Chemical Information Instructor' feature: Telling the story of successful faculty-librarian partnerships in the *Journal of Chemical Education*," 239th American Chemical Society National Meeting, San Francisco, CA, March 21-25, 2010

(Session co-organizer), *What Happened to My Library? Managing Organizational Space-Related Challenges Symposium*, 239th American Chemical Society National Meeting, San Francisco, CA, March 21-25, 2010

(Session co-organizer), *Copyright and Author Rights Symposium*, 238th American Chemical Society National Meeting, Washington, DC, August 16-20, 2009

Co-organizer, inaugural Kathleen A. Zar symposium, "Small-Scale, High-Impact Renovations: Redesigning Library Spaces on a Budget," Chicago, IL, May 8, 2009.  
[http://mindonline.uchicago.edu/search.php?series=56&series\\_search=yes&series\\_submit.x=18&series\\_submit.y=8](http://mindonline.uchicago.edu/search.php?series=56&series_search=yes&series_submit.x=18&series_submit.y=8)

Twiss-Brooks, A., "Learning spaces and library places," *Are Chemical Information Professionals Ready for the Future? Symposium*, 237<sup>th</sup> American Chemical Society National Meeting, Salt Lake City, UT, March 22-26, 2009

(Session co-organizer), *Preservation Issues for the Digital Library Symposium*, 236<sup>th</sup> American Chemical Society National Meeting, Philadelphia, PA, August 17-21, 2008 (also presenter, “Archiving the Sloan Digital Sky Survey: A model for collaborative digital preservation.”)

(Session organizer), *Transformation of Library Services in the Digital Age Symposium*, 235<sup>th</sup> American Chemical Society National Meeting, New Orleans, LA, April 6-10, 2008 (also presenter, “Transforming the online catalog through faceted browsing.”)

Coordinator/organizer, Geoscience Librarianship 101, (pre-conference workshop, Geoscience Information Society/Geological Society of American annual conference), Houston, TX, October 4, 2008 and Denver, CO, October 27, 2007

Twiss-Brooks, A., “Challenges in building e-books collections,” *E-Books for Chemistry Research and Instruction Symposium*, 234<sup>th</sup> American Chemical Society National Meeting, Boston, MA, August 19-23, 2007

(Session organizer), *Chemical Information Instruction Roundtable*, 234<sup>th</sup> American Chemical Society National Meeting, Boston, MA, August 19-22, 2007

Reviewer, *ACS Style Guide: Effective Communication of Scientific Information*, 3<sup>rd</sup> edition. Anne M. Coghill, Lorrin R. Garson, editors. American Chemical Society: Washington, DC, 2006.

(Session co-organizer), Symposium *Honoring Gary Wiggins*, 233<sup>rd</sup> American Chemical Society National Meeting, Chicago, IL, March 25-29, 2007

(Session organizer), *This One is Just Right! Information Resources for Small Colleges*, 233<sup>rd</sup> American Chemical Society National Meeting, Chicago, IL, March 25-29, 2007

Exhibit co-organizer, *Something's Brewing: The Art, Science and Technology of Beer Brewing*, John Crerar Library Atrium, January 8 - March 31, 2007

(Session organizer), *Great Lakes Research: Environmental Issues for a Freshwater Ecosystem*, 233<sup>rd</sup> American Chemical Society National Meeting, Chicago, IL, March 25-29, 2007

*This session was featured on WBEZ radio in a short segment:*

[http://audio.wbez.org/cityroom/2007/03/cityroom\\_20070329\\_lkalsnes\\_Some.mp3](http://audio.wbez.org/cityroom/2007/03/cityroom_20070329_lkalsnes_Some.mp3)

(Session co-organizer), *Library Watch: Hot New Areas in Chemistry Symposium*, 232<sup>nd</sup> American Chemical Society National Meeting, San Francisco, CA, September 10-14, 2006

Twiss-Brooks, Andrea, “Libraries and librarians: Supporting chemists with information,” presented at *Chemical Information and Organic Chemistry: The Road Ahead Symposium* (co-sponsored by GDCh-CIC), 232<sup>nd</sup> American Chemical Society National Meeting, San Francisco, CA, September 10-14, 2006

Conference planning committee, 2006 NFAIS Annual Conference, Philadelphia, PA, Feb 26-28, 2006. Member of a team comprised of representatives from publishing companies, scholarly societies, database providers, and user communities charged with assembling program of speakers for the annual conference.

(Session co-organizer), *Social Software and Chemical Information*, a symposium held at 231st American Chemical Society National Meeting, Atlanta, GA, Mar 26-30, 2006

Twiss-Brooks, Andrea. "A Century of Progress? Adaptation of the Chemistry Library at the University of Chicago," *Issues in Science and Technology Librarianship*, Fall 2005, DOI: 10.5062/F4D21VJD  
<http://www.istl.org/05-fall/article1.html>

Twiss-Brooks, Andrea B., "Adaptation of a chemistry library: The University of Chicago experience" presented at a symposium: *Planning for the Future: Chemistry Libraries in 2015*, Division of Chemical Information, 230th American Chemical Society National Meeting, Washington DC, Aug 28-Sep 1, 2005  
<http://www.acscinf.org/cinf/meetings/230nm/230nm3.pdf>

(Featured in Chemical and Engineering News, October 10, 2005, Volume 83, Number 41, pp. 52-53, Meeting News "The 21st-Century Chemistry Library: Academic chemistry libraries merge with those of other disciplines, use more digital media",  
<http://pubs.acs.org/cen/education/83/8341education2.html> )

Website, "Enrico Fermi and the Nuclear Chain Reaction," <http://fermi.lib.uchicago.edu/> , featuring digital facsimiles from the Enrico Fermi Collection, Special Collections Research Center. Launched in conjunction with the exhibit, "Enrico Fermi, The Life of a Scientist"

Website, "Geological Survey of Illinois," <http://worthen.lib.uchicago.edu/> , featuring digital facsimiles of the full 8-volume publication edited by Amos H. Worthen. This website is available to the general public, and provides a presentation of an important historical work on Illinois

Twiss-Brooks, Andrea B. and Agnes Tatarka, "Living La Vida LibQUAL+, or How We Learned to Stop Worrying and Start Loving Library Assessment", Third Annual LibQUAL+ Share Fair, Chicago, IL, June 28, 2005.

Twiss-Brooks, Andrea B., "Feature of the Journal of Chemical Education: The Chemical Information Instructor," as part of session on *Informed Student, Informed Teacher: Integrating 21st Century Skills into the Chemistry Curriculum*, Biennial Conference on Chemical Education (BCCE), Ames, IA, July 18-22, 2004.

Twiss-Brooks, Andrea B. "Are Chemical Journals Too Expensive and Inaccessible?," a workshop organized by the Chemical Sciences Roundtable of the National Research Council and the National Academies of Science, Washington, DC, October 25-26, 2004. (invited panelist; report on workshop published by National Academies Press and available at URL: <http://www.nap.edu/books/0309095905/html> )

Twiss-Brooks, Andrea B., "Linking to full text (and beyond) with SFX," Proceedings of the 38th Meeting of the Geoscience Information Society, Volume 34, pp. 87-93, 2003 (published 2004).

(Session co-organizer), *Scholarly Publishing: Perspectives on Open Access*, American Chemical Society 228th National Meeting, Philadelphia, PA, August 23, 2004.

Panelist, "Current Issues in Open Access and Peer Review in Scientific Publishing", co-sponsored by CINF and ACS Committee on Science, American Chemical Society 228th National Meeting, Philadelphia, PA, August 23, 2004.

(Session organizer), "Building the Virtual Chemistry Library: E-Journals and E-Books", American Chemical Society 226<sup>nd</sup> National Meeting, New York, NY, September 8, 2003.

Twiss-Brooks, Andrea B., "Recent Advances in Linking Technologies at the University of Chicago Libraries", *Symposium on Knowledge Discovery and Scientific Numerical Databases* at the American Chemical Society 225<sup>th</sup> National Meeting, New Orleans, LA, March 23, 2003.

Twiss-Brooks, Andrea B., "Chain, chain, chain: Implementing linking technologies at the University of Chicago Library", Presented at the American Chemical Society 223<sup>rd</sup> National Meeting at the *New Developments in Electronic Publishing Symposium*, Orlando, FL, April 8, 2002.

Twiss-Brooks, Andrea B. and Carla Lee. "Chicago Section short course: Searching for Chemical Information on the Internet", Loyola University, Chicago, IL, February 16, 2002.

(Session organizer), *Chemical Information Instruction*, Poster session at the American Chemical Society 222<sup>nd</sup> National Meeting, Chicago, IL, August 26, 2002.

Presentation to University of Chicago Library Visiting Committee (with Fritz Whitcomb), "Event Horizons: Challenges and Changes in the Physical Sciences Libraries", February 21, 2001

Twiss-Brooks, Andrea B., "eChemistry: A Preview of the Chemical Information Division at the Chicago ACS", *Current Drug Discovery*, July 2001, pp. 35-36.

(Session organizer), *Science Libraries in the 21st Century*, Fourth National Chemical Information Symposium, Colby College, Waterville, ME, June 27, 2001

(Session organizer), *Through (Clients) Thick and Thin: Challenges in Implementing Chemical Information Symposium* at the American Chemical Society 220<sup>th</sup> National Meeting, Washington, DC, August 21, 2000. Summary in D-Lib Magazine v. 6 no.10 October 2000:  
<http://www.dlib.org/dlib/october00/10inbrief.html#TWISS-BROOKS>

(Session co-organizer), *Chemical Information Symposium*, American Chemical Society 220<sup>th</sup> National Meeting, Washington, DC, August 20, 2000.

Twiss-Brooks, Andrea B., "Not too remote: Strategies for promoting chemical information services outside the library". Presented at the American Chemical Society 219<sup>th</sup> National Meeting at the Chemical Information Needs at the Graduate Level Symposium, San Francisco, CA, March 28, 2000.

Twiss-Brooks, Andrea B. and R. Fritz Whitcomb, Appendix on chemical/physical data searching in second edition of "Physical Chemistry" by Stuart A. Rice, R. Stephen Berry, and John Ross, Oxford University Press, 2000.

(Session organizer), *Alternative Careers in Chemistry*, Symposium at the American Chemical Society 218<sup>th</sup> National Meeting, New Orleans, LA, August 23, 1999.



(Session organizer), *Economics of Chemical Information Resources Symposium* at the American Chemical Society 217th National Meeting, Anaheim, CA, March 22, 1999.

(Panelist), Society Committee on Education alternative careers panel discussion, 217th National Meeting, American Chemical Society, Anaheim, CA (March 1999)

Twiss-Brooks, Andrea B., "The CINF Website". Presented at the American Chemical Society 216th National Meeting at the *Tri-Society Symposium*, Boston, MA, August 24, 1998.

Twiss-Brooks, Andrea. "Making Do: Creating Documentation Using Common Tools" (poster). Presented at the American Chemical Society 213th National Meeting, San Francisco, CA, April 15, 1997

D. B. Stauffer, R.B. Spencer, S. Loh, A.B. Twiss-Brooks, and F.W. McLafferty, "The Probability Based Matching of Unknown Mass Spectra: Recent Improvements", American Society of Mass Spectrometrists National Conference, 1984.

H.C. Kelly, Sritana C. Yasui, and Andrea B. Twiss-Brooks, "Hypochlorite Oxidation of Tertiary Amine-Boranes", *Inorganic Chemistry*, 23:2220.

**Selected University/Library Service:**

Search Committee, Library Resident for GIS, 2016 (Chair)  
Librarian Promotion Review Committee, 2015-2016 (Chair, 2015)  
Library Strategic Directions Committee, 2015-2016  
Search Committee, Biomedical Librarian, Chair, 2012-2013  
Pritzker School of Medicine AAMC/LCME re-accreditation team, 2012-2013  
Association of Research Libraries' E-Science Institute Team (team leader), 2011  
Google Books Digitization Implementation Team, 2010-present  
Joint ITS/Library workgroup on data management landscape, 2010-present  
Library Taskgroup on Scholarly Communications, 2010 (Chair)  
Library Taskgroup on Collections, 2010  
Digital Collections Steering Committee, 2010-present  
Library Administrative Committee, 2007-present  
Promotion Review Committee, 2010-2011  
Search Committee, Library Assessment Director, 2011  
Collection Development Steering Committee, 2006-present  
Library Planning Council, 2006-present  
Automated Storage and Retrieval/ILS Interface workgroup, 2008-present  
Library Assessment Project Team, 2008-present  
High-Density Shelving Advisory Group, 2006-present  
Goodspeed Manuscript Project, assessment workgroup, 2006-2009  
Committee on Reference, 1993-present  
Committee on Collection Development, 1993-present  
Committee on Access, 1993-2012  
Science Libraries Division Group, 1993-present  
Bibtools Workgroup, 2002-2008  
LibQual+ implementation team, 2004 and 2007 (team leader, 2007)

Search Committee, Science Reference Librarian, Chair, 2007-2008  
Search Committee, Head of Conservation, 2008

**Community Service:**

ACS Chicago Local Section, Marie S. Curie Girl Scout Chemistry Day Workshop, instructor, April 2013

Texas Christian University, John V. Roach Honors College, Board of Visitors, 2011-present (chair,  
Communications Committee, 2013-present)

Lakeside Quilting Guild (<http://lakesidequiltingguild.weebly.com>)

- Social media director, 2013-present
- President, 2015-2016

Girl Scouts of Greater Chicago and Northwest Indiana Council (Lifetime Member, Troop leader 1998-2010)

**Honors:**

Meritorious Service Award, Division of Chemical Information, American Chemical Society

Beta Phi Mu, Beta Lambda Chapter, University of North Texas

Phi Beta Kappa, Texas Christian University

Sigma Xi, Texas Christian University

Welch Foundation Undergraduate Scholar, Texas Christian University

Senior Scholar in Chemistry, Texas Christian University

University and Departmental Honors, Texas Christian University