Juan R. Del Valle, Ph.D.

Associate Professor • Department of Chemistry • University of South Florida
4202 E. Fowler Ave., CHE 205 • Tampa, FL 33620
Phone: 813-974-7306 • Email: delvalle@usf.edu • Web: http://delvallelab.weebly.com

Education

Ph.D. in Organic Chemistry; University of California at San Diego, La Jolla, CA	1999-2004
B.A. in Chemistry; Carleton College, Northfield, MN	1995-1999

Positions and Employment

Associate Professor, Department of Chemistry University of South Florida	2015-present
Assistant Professor, Department of Oncological Sciences University of South Florida and Chemical Biology and Molecular Medicine H. Lee Moffitt Cancer Center & Research Institute	2009-2015
Assistant Professor, Department of Chemistry & Biochemistry New Mexico State University	2006-2008
Postdoctoral Research Fellow, Department of Chemistry University of Montreal (PI: Stephen Hanessian)	2004-2006
Graduate Research Associate, Department of Chemistry & Biochemistry University of California San Diego (PI: Murray Goodman)	1999-2004
Undergraduate REU Fellow, Department of Pharmaceutical Chemistry University of Utah (PI: Bradley Anderson)	1998

Research Interests

Peptidomimetics; Inhibitors of protein-protein interactions; Structure-based drug design; ER stress response; Natural product synthesis and SAR; Constrained amino acids

Publications (* denotes corresponding authorship)

42. **Total synthesis of L-156,373 and an oxoPiz analogue via a submonomer approach.** Elbatrawi YM, Kang C, Del Valle JR*, *Org. Lett.* (2018), *20*, 2707.

41. **Secretory IgM exacerbates tumor progression by inducing accumulations of MDSCs in mice.** Tang CA, Chang S, Hashimoto A, Chen Y, Kang C, Mato AR, Del Valle JR, Gabrilovich D, Hu CA*, *Cancer Immun. Res.* (2018), *6*, 696.

40. **Phosphorylation of IRE1 at S729 regulates RIDD in B cells and antibody production after immunization.** Tang CA, Chang S, Paton AW, Paton JC, Gabrilovich DI, Ploegh HL, Del Valle JR, Hu CA*, *J. Cell Biol.* (2018) *217*, 1739.

39. **IRE1α RNase-dependent lipid homeostasis promotes survival in Myc-transformed cancers**. Xie, H, Tang CA, Song JH, Mancuso A, Del Valle JR, Cao J, Xiang Y, Dand CV, Sanchez DJ, Keith B, Hu CA, Simon MC*, *J. Clin. Inv.* (2018), *128*, 1300.

38. **Inhibition of the IRE-1α/XBP-1 pathway prevents chronic GVHD and preserves the GVL effect in mice**. Schutt SD, Wu Y, Tang CA, Bastian D, Nguyen H, Sofi MH, Zhang M, Liu C, Helke K, Wilson C, Schnapp LM, Del Valle JR, Hu CA, Yu XZ*, *Blood Adv.* (2018), *2*, 414.

37. **Synthesis and β-sheet propensity of constrained *N*-amino peptides**. Sarnowski MP, Pedretty KP, Giddings N, Woodcock HL, Del Valle JR*, *Bioorg. Med. Chem.* (2018), *26*, 1162.

36. **Peptide *N*-amination supports β-sheet conformation**. Sarnowski MP, Kang C, Elbatrawi YM, Wojtas L, Del Valle JR*, *Angew. Chem. Int. Ed.* (2017), *56*, 2083.

*** Selected as a 'Hot Paper' by Angewandte Chemie***
*** Faculty of 1000 selection***

35. **Access to enantiopure α-hydrazino acids for *N*-amino peptide synthesis**. Kang C, Sarnowski MP, Elbatrawi YM, Del Valle JR*, *J. Org. Chem.* (2017), *82,* 1833.

34. **Regulated Inositol-Requiring Enzyme 1 dependent mRNA decay sets the threshold for dendritic cell survival**. Tavernier S, Osorio F, Vandersarren L, Vetters J, Van-langenakker N, Van Isterdael G, Vergote K, Parthoens F, Van de laar L, Iwawaki T, Del Valle JR, Hu CA, Janssens S*, *Nature Cell Biol.* (2017), *19*, 698.

33. **Heterocyclic extended dipeptide surrogates for β-strand stabilization**. Del Valle JR*, In *Topics in Heterocyclic Chemistry - Peptidomimetics II*; Lubell, W., Ed.; Springer International Publishing, 2017, p 25-49.

32. **Agonist-mediated activation of STING induces apoptosis in malignant cells**. Tang CA, Zundell JA, Ranatunga S, Lin C, Nefedova Y, Del Valle JR, Hu CA*, *Cancer Res.* (2016), *76*, 2137.

31. **β-strand mimics based on tetrahydropyridazinedione (tpd) peptide stitching**. Kang C, Sarnowski MP, Ranatunga S, Wojtas L, Metcalf RD, Guida WC, Del Valle JR*, *Chem. Comm.* (2015), *15*, 16259.

30. **Solid-phase synthesis of tetrahydropyridazinedione-constrained peptides.** Kang C, Ranatunga S, Sarnowski MP, Del Valle JR*, *Org. Lett.* (2014), *16*, 5434.

29. **Imidazo[1,2-*a*]pyridine-based peptidomimetics as inhibitors of Akt**. Kim YB, Kang CW, Ranatunga S, Yang H, Sebti SM, Del Valle JR*, *Bioorg. Med. Chem. Lett.* (2014) *24*, 4650.

28. **Synthesis of novel tricyclic chromenone-based inhibitors of IRE-1 RNase activity.** Ranatunga S, Tang CA, Kang C, Kloppenburg B, Kriss CL, Hu CA, Del Valle JR*, *J. Med. Chem.* (2014) *57*, 4289.

*** Highlighted in SciBx 'This Week in Therapeutics'* DOI: 10.1038/scibx.2014.702**

27. **Inhibition of ER stress-associated IRE-1/XBP-1 pathway reduces leukemic cell survival.** Tang, CA, Ranatunga S, Kriss, CL, Cubbitt CL, Pinilla-Ibarz JA, Del Valle JR*, Hu CA*, *J. Clin. Inv.* (2014) *124*, 2585.

*** Highlighted in Cancer Discovery 'Research Watch'* DOI: 10.1158/2159-8290.CD-RW2014**
*** Highlighted in SciBx 'This Week in Therapeutics'* DOI: 10.1038/scibx.2014.702**

26. **Substituted imidazo[1,2-a]pyridines as β-strand peptidomimetics**. Kang C, Sun Y, Del Valle JR*, *Org. Lett.* (2012) *14*, 6162-5.

25. **Total synthesis and structural confirmation of lucentamycin A**. Ranatunga S, Tang CA, Hu CA, Del Valle JR*, *J. Org. Chem.* (2012) *77*, 9859-64.

24. **Structure assignment of lucentamycin E and revision of the olefin geometries of the marine-derived lucentamycins.** Cha JW, Park JS, Sim T, N SJ, Kwon HC, Del Valle JR, Fenical W*, *J. Nat. Prod.* (2012) *75*, 1648.

23. **Synthesis and evaluation of substituted hexahydronaphthalene derivatives as novel inhibitors of the Mcl-1/BimBH3 interaction.** Kim YB, Balasis ME, Doi K, Berndt N, DuBoulay C, Hu CC, Guida W, Wang HG, Sebti SM, Del Valle JR*, *Bioorg. Med. Chem. Lett.* (2012) *22*, 5961-5.

22. **Overexpression of TCL1 activates endoplasmic reticulum stress response: A novel mechanism of leukemic progression in mice**. Kriss CL, Pinilla-Ibarz JA, Mallioux A, Powers JJ, Tang CA, Kang C, Zanesi N, Epling-Burnette PK, Sotomayor EM, Croce CM, Del Valle JR*, Hu, CA*, *Blood* (2012) *120*, 1027-1038.

21. **An Ester Enolate-Claisen Rearrangement Route to Substituted 4-Alkylideneprolines. Studies toward a Definitive Structural Revision of Lucentamycin A.** Ranatunga S, Kim JS, Pal U, Del Valle JR*, *J. Org. Chem.* (2011) *76*, 8962-76.

*** Selected for ACS 'Virtual Issue on Peptide Chemistry'***

20. **Synthesis of GSK3β-Mimetic Inhibitors of Akt Featuring a Novel Extended Dipeptide Surrogate**. Ranatunga S, Del Valle JR*, *Bioorg. Med. Chem. Lett.* (2011) *21*, 7166-9.

19. **Synthesis of a diversifiable cis-dehydrodecalin scaffold based on meiogynin A.** Kim YB, Del Valle JR*, *Tetrahedron Lett.* (2011) *52,* 6396-8.

18. **Synthesis and conformational analysis of bicyclic extended dipeptide surrogates**. Ranatunga S, Liyanage W, Del Valle JR*, *J. Org. Chem.* (2010) *75*, 5113-25.

17. **Synthesis of Boc-protected bicycloproline**. Ranatunga S, Del Valle JR*, *Tetrahedron Lett.* (2009) *50*, 2464-6.

16. **Total synthesis of the putative structure of lucentamycin A.** Pal U, Ranatunga S, Ariyarathna Y, Del Valle JR*, *Org. Lett.* (2009) *11*, 5298-301.

15. **Synthesis of carbapyochelins via diastereoselective azidation of 5-(ethoxycarbonyl)methylproline derivatives**. Liyanage W, Weerasinghe L, Strong RK, Del Valle JR*, *J. Org. Chem*. (2008) *73,* 7420-3.

From Graduate and postdoctoral work:

14. **Synthesis of functionalized octahydroindoles related to daphnyphyllum alkaloids**. Dorich S, Del Valle JR, Hanessian S*, *Synlett*(2014) *25*, 799-804.

13. **Aeruginosins as thrombin inhibitors**. Del Valle JR, Thierren E, Hanessian S*, In *Natural Products in Medicinal Chemistry, Vol. 60:*Wiley-VCH; 2013. p. 333-56.

12. **Total synthesis of pactamycin.** Hanessian S*, Vakiti RR, Dorich S, Banerjee S, Lecomte F, Del Valle JR, Zhang J, Deschenes-Simard B, *Angew. Chem. Int. Ed.* (2011) *50*, 3497-500.

11. **Total synthesis and structural revision of the presumed aeruginosins 205A and B**. Hanessian S*, Wang X, Ersmark K, Del Valle JR, Klegraf E, *Org. Lett.* (2009) *11*, 4232-5.

10. **β-Substituted D-leucines and their relevance in the total synthesis of natural and unnatural aeruginosins.** Del Valle JR, Wang X, Ersmark K, Hanessian S*, In *Asymmetric Synthesis and Application of alpha-Amino Acids*: American Chemical Society; 2009. p. 443-61.

9. **Chemistry and biology of the aeruginosin family of serine protease inhibitors**. Ersmark K, Del Valle JR, Hanessian S*, *Angew. Chem. Int. Ed.* (2008) *47*, 1202-23.

8. **Structure-based organic synthesis of unnatural aeruginosin hybrids as potent inhibitors of thrombin.** Hanessian S*, Ersmark K, Wang X, Del Valle JR, Blomberg N, Xue Y, *Bioorg. Med. Chem. Lett.* (2007) *17*, 3480-5.

7. **Total synthesis and structural confirmation of chlorodysinosin A.** Hanessian S*, Del Valle JR, Xue Y, Blomberg, N, *J. Am. Chem. Soc.*(2006) *128*, 10491-5.

6. **Utilizing the intramolecular Fukuyama-Mitsunobu reaction for a flexible synthesis of novel heterocyclic scaffolds for peptidomimetic drug design.** Zapf CW, Del Valle JR, Goodman M*, *Bioorg. Med. Chem. Lett.* (2005) *15*, 4033-6.

5. **Synthetic studies in the intramolecular carbocyclization of N-acyloxyiminium ions. Stereoelectronic and steric implications of nucleophilic alkene, alkyne, and allene tethers.** Hanessian S*, Tremblay M, Marzi M, Del Valle JR, *J. Org. Chem.* (2005) *70*, 5070-85.

4. **An efficient RCM-based synthesis of orthogonally protected meso-DAP and FK565.** Del Valle JR, Goodman M*, *J. Org. Chem.* (2004)*69*, 8946-8.

3. **Asymmetric hydrogenations for the synthesis of Boc-protected 4-alkylprolinols and prolines**. Del Valle JR, Goodman M*, *J. Org. Chem.* (2003) *68*, 3923-31.

2. **Stereoselective synthesis of Boc-protected cis and trans-4-trifluoromethylprolines by asymmetric hydrogenation reactions**. Del Valle JR, Goodman M*, *Angew. Chem. Int. Ed.* (2002) *41*, 1600-2.

1. **Molecular basis of sweet taste in dipeptide taste ligands**. Goodman M*, Del Valle JR, Amino Y, Benedetti E, *Pure Appl. Chem.* (2002)*74,* 1109-16.

Patents

1. Del Valle JR, Hu CA. Inhibitors of the IRE-1/XBP-1 pathway and methods of using thereof. PCT Int. Appl. (2014) WO 2014176348.

Funding

Active Grants:

N-Amino peptide-derived β-sheet mimics (8/1/17 – 7/31/20)
Source: National Science Foundation

Grant#: CHE1709927
PI: Del Valle JR
Role: Principal Investigator
Total award: $418,108

Pharmacological blockade of XBP-1s expression in cancer (9/14/15 – 08/31/20)
Source: National Institutes of Health
Grant#: 1R01CA190860-01
PI: Del Valle JR, Hu CA (MPI)
Role: Principal Investigator and Contact PI
Direct costs: $2,019,070
Total award: $2,280,664

Completed Grants:

Optimization and efficacy of covalent IRE-1 RNase inhibitors in CLL (9/07/15 – 08/31/18)
Source: National Institutes of Health
Grant #: 1R21CA199553-01
PI**:** Del Valle JR
Role: Principal Investigator
Direct costs: $283,154
Total award: $395,091

Targeting antigen-induced ER stress response in B-cell CLL (9/13 – 06/18)
Source: National Institutes of Health
Grant #: 1R01CA163910-01A
PI**:** Hu, CA
Role: Co-Investigator
Direct costs: $1,037,500
Total award: $1,748,188

Targeting Akt with substrate-mimetic antagonists (9/12 – 08/15)
Source: National Institutes of Health
Grant #: 5R21CA167215
PI**:** Del Valle JR
Role: Principal Investigator
Direct costs: $239,250
Total award: $403,137

Chemical and biological studies of marine-derived non-ribosomal peptides
Source: Florida Department of Health (Bankhead-Coley)
Grant #: 1BN03
PI**:** Del Valle JR
Role: Principal Investigator
Direct costs: $347,825
Total award: $400,000

Natural product-inspired approaches targeting Mcl-1
Source: Florida Department of Health (James & Esther King)
Grant #: 1KN03
PI**:** Del Valle JR
Role: Principal Investigator
Direct costs: $347,825
Total award: $400,000

Synthetic methods toward antimicrobial tert-alkylamino carbocycles
Source: National Institutes of Health
Grant #: SC2AI081526
PI**:** Del Valle JR
Role: Principal Investigator
Direct costs: $200,00
Total award: $282,800

Synthesis of functional probes for siderocalin-induced apoptosis
Source: American Cancer Society
Grant #: IRG9309214
PI**:** Pledger WJ
Role: Project Leader
Direct costs: $30,000
Total award: $30,000

Probing novel mechanisms to target kinases for cancer drug discovery
Source: Anna Valentine Cancer Fund
PI**:** Sebti SM
Role: Project Leader
Direct costs: $75,000
Total award: $75,000

Synthesis of new ligands for the characterization of siderophore-ExFABP interactions
Source: National Institutes of Health
Grant #: U54CA132383
PI**:** O'Connell M
Role: Project Leader
Direct costs: $245,066
Total award: $345,317

Inhibition of the IRE-1/XBP-1 pathway in B-cell cancer
Source: Moffitt Team Science Fund
PI**:** Del Valle, JR/Hu, CA (MPI)
Role: Principal Investigator
Direct costs: $150,000
Total award: $150,000

Invited Talks

North Carolina State University, Department of Chemistry	October 2018
University of Notre Dame, Department of Chemistry & Biochemistry	September 2018
Foldamer Workshop at New York University, New York, NY	June 2018
101st Canadian Society for Chemistry National Meeting, Edmonton, AB	May 2018
University of Montreal, Dept. of Chemistry	February 2018
Scripps Research Institute Florida, Dept. of Chemistry	October 2017
American Peptide Society Symposium, Whistler, BC	June 2017
Florida Annual Meeting of the American Chemical Society, Palm Harbor, FL	May 2017
Foldamer Workshop at New York University, New York, NY	June 2016
Chemistry Society of the University of South Florida, Tampa, FL	March 2016
University of Texas at Dallas, Dept. of Chemistry& Biochemistry	October 2015
University of Pennsylvania, Dept. of Chemistry	March 2015
249th American Chemical Society National Meeting, Denver, CO	March 2015

16th Florida Heterocyclic and Synthetic Conference, Gainesville, FL	March 2015
Wistar Institute, Molecular & Cellular Oncogenesis Program	January 2015
Purdue University, Dept. of Medicinal Chemistry and Mol. Pharm.	January 2015
University of Utah, Dept. of Medicinal Chemistry	December 2015
University of South Florida, Dept. of Molecular Medicine	November 2014
97th Canadian Society for Chemistry National Meeting, Vancouver, BC	June 2014
University of New Mexico Cancer Center, Center of Molecular Discovery	May 2014
University of Denver, Dept. of Chemistry and Biochemistry	May 2014
University of Florida, Department of Medicinal Chemistry	February 2014
University of New Mexico, Dept. of Chemistry and Chemical Biology	February 2014
Florida Annual Meeting of the American Chemical Society, Palm Harbor, FL	May 2013
Southeastern Meeting of the American Chemical Society, Raleigh, NC	November 2012
Fred Hutchinson Cancer Research Center, Division of Basic Science	August 2008
New Mexico Institute of Mining and Technology, Dept. of Chemistry	November 2007

Honors and Awards

Undergraduate Teaching Award, USF Department of Chemistry	2018
CIBA Young Scientist Award, awarded by the CIBA Foundation and ACS YCC	2010
Milestone Award, awarded by the Miles for Moffitt Foundation	2010
Teddy Traylor Award for graduate research	2003
American Peptide Society Travel Award	2002
Cota-Robles Graduate Fellowship	2001
San Diego Graduate Fellowship	1999
REU Fellowship, University of Utah	1998

Courses Taught

Course Title	Number	Year	Semester	Enrollment
Physical Organic Chemistry	CHM 6263	2018	Fall	26
Organic Chemistry II	CHM 2211	2018	Spring	180
Physical Organic Chemistry	CHM 6263	2017	Fall	12
Organic Chemistry II	CHM 2211	2017	Spring	167
Organic Chemistry II	CHM 2211	2016	Fall	177
Organic Chemistry II	CHM 2211	2016	Spring	174
Bioethics (guest lecturer)	PCB 6932	2014	Spring	17
Cancer Biology III (guest lecturer)	PCB 6205	2014	Spring	13
Cancer Biology I (guest lecturer)	PCB 6230	2014	Fall	12
Intro to Med Chem (guest lecturer)	CHM 4932/6938	2014	Fall	22
Intro to Med Chem (guest lecturer)	CHM 4932/6938	2012	Spring	26
Advanced Organic Chemistry	CHEM 466/515	2008	Fall	11
Organic Chemistry I	CHEM 313	2008	Spring	88
Advanced Organic Chemistry	CHEM 466/515	2007	Fall	10
Organic Chemistry I	CHEM 313	2007	Spring	80
Advanced Organic Chemistry	CHEM 466/515	2006	Fall	12

Postdoctoral Mentoring

Name	Ph.D. Institution	Year(s)
Dr. Kamlesh Makwana	Indian Inst. of Sci. Education and Research	2018-present
Dr. Changwon Kang	University of Texas Medical Branch	2010-present
Dr. Justin Goodwin	University of Florida	2016-2018

Dr. Sujeewa Ranatunga	New Mexico State University	2013-2015
Dr. Yongmao Sun	Washington University	2009-2013
Dr. Young B. Kim	University of Mississippi	2010-2012
Dr. Jinsoo S. Kim	University of California Santa Barbara	2009-2011
Dr. Ujjwal Pal	IICT Hyderabad	2008-2009

Graduate Student Mentoring

Name	Degree	Undergraduate Institution	Year(s)
William Tsuei	in progress	UC Santa Cruz	2018-present
Brooke Vitale	in progress	California State Fullerton	2018-present
Benjamin Rathman	in progress	University of North Florida	2016-present
Khalilia Tillet	in progress	Murray State University	2016-present
Kyle Pedretty	in progress	College of the Holy Cross	2016-present
Chris Cain	in progress	Auburn University	2016-present
William Motsch	in progress	McGill University	2016-present
Yassin El-Batrawi	in progress	Cairo University	2015-present
Matthew Sarnowski	in progress	University of South Florida	2014-present
Sujeewa Ranatunga	Ph.D.	University of Kelaniya	2006-2012
Wathsala Liyanage	M.S.	University of Pradeniya	2006-2009

Pre-Doctoral Student Mentoring

Name	Position	Year(s)
Xenia Sailors	Undergraduate Researcher	2018-present
Carlos Solanilla	Undergraduate Researcher	2018-present
Evan Howard	Undergraduate Researcher	2017-present
Megan Navarro	Undergraduate Researcher	2017-2018
Fabio Vasconcellos	Undergraduate Researcher	2016-2017
Hallie Lower	High School Intern	2016
Bomi Kim	International Undergrad Intern	2016
Leticia Montoya	MARC Undergraduate Researcher	2008-2009
Christian Talamantes	Undergraduate Researcher	2007
Lee Uranaga	Undergraduate Researcher	2006

Graduate Student Advising Committees

Member of Ph.D. Committee for:
Elena Bray, Jamie Nunziata, Shuyao Zhang, Songyi Xue, Minghui Wang, Nicole Giddings, Nicole Avalon, Chiyu Wei, Teng Yang, Katrina Tirado, Faeez Mahzamani, Sofia Kokkaliari, Steven Motika, Michael Williams, Jeanine Yacoub, Yi Liang, Lulu Wei, Santana Thomas, Andrea Lemus, Daniel Utic, Brent Kuenzi, Hyun Joo Kil, Courtney DeBoulay, Kris Waynant, Sarah Gibson, Jon Shirley, Paul Wiget, Ritwik Burai, Shaofeng Duan, Jennifer Bell, Jacob Strousse

National Service

Position	Organization	Year(s)
Standing Member, SBCB Study Section	National Institutes of Health	2017-present
Council Member and Secretary	American Peptide Society	2015-present
Travel Award Judge	American Peptide Society	2017

Ad Hoc Member, SBCB Study Section	National Institutes of Health	2016
Session Chair, Peptidomimetics	American Peptide Society	2015
Nominating Committee Member	American Peptide Society	2013-2015
Ad Hoc Member, DMP Study Section	National Institutes of Health	2014
Session Chair, Peptidomimetics	American Peptide Society	2013
Early Career Reviewer, SBCB Study Section	National Institutes of Health	2013
Ad Hoc Member, NCI R21/R03 Study Section	National Institutes of Health	2013
Travel Award Judge	American Peptide Society	2013
Co-Chair, Student Affairs Committee	American Peptide Society	2011-2013
Ad Hoc Member, SBIR 255 Study Section	National Institutes of Health	2012
Ad Hoc Member, SBIR 255 Study Section	National Institutes of Health	2011
Ad Hoc Member, CRIF-MU Grant Panel	National Science Foundation	2008

Reviewer of submitted manuscripts for the following publications (2005-present):
Journal of the American Chemical Society, Angewandte Chemie, Accounts of Chemical Research, Chemical Reviews, Journal of Organic Chemistry, Organic Letters, Tetrahedron, Tetrahedron Letters, Chemical Communications, European Journal of Medicinal Chemistry, Bioorganic and Medicinal Chemistry, Bioorganic and Medicinal Chemistry Letters, PLoS One, Biopolymers, Biopolymers Peptide Science

Institutional Service

Position	Organization	Year(s)
Faculty Senate Member	University of South Florida	2018-present
Graduate Recruiting Committee	University of South Florida	2018-present
Organic Division Coordinator, Chemistry	University of South Florida	2017-present
Instrumentation Committee, Chemistry	University of South Florida	2017-present
Mass Spec Core Advisory Committee	University of South Florida	2015-present
NMR Core Advisory Committee	University of South Florida	2015-present
Faculty Advisory Committee, Chemistry	University of South Florida	2016-2018
Research Value Analysis Committee	Moffitt Cancer Center	2013-2015
Chemical Biology Advisory Committee	Moffitt Cancer Center	2013-2015
Institutional Product Advisory Committee	Moffitt Cancer Center	2011-2013
OTMC Internship Review Committee	Moffitt Cancer Center	2012
ACS IRG Grant Reviewer	Moffitt Cancer Center	2012
Safety Committee	New Mexico State University	2006-2009
Chemistry Club Committee	New Mexico State University	2006-2009

Professional Associations

American Peptide Society
American Chemical Society
American Association for the Advancement of Science