

Eric V. Anslyn

Norman Hackerman Professor of Chemistry
University Distinguished Teaching Professor

Business Address:

The University of Texas at Austin
Department of Chemistry and Biochemistry
Norman Hackerman Building
100 E. 24th St. A1590
Austin, TX. 78712

Personal:

Born June 9th 1960, Santa Monica CA
U.S. Citizen
Married

Education:

Postdoctoral Work: [12/87-9/89]
Columbia University, New York, New York
Research Advisor: Professor Ronald Breslow
Research: Mechanistic studies of Ribonuclease A mimics. Detailed kinetics analyses of imidazole catalyzed 3'-5' UpU hydrolysis and isomerization. Synthesis and kinetics studies of bis-imidazole β -cyclodextrin catalyzed phosphodiester hydrolyses.

Ph.D., Chemistry: [11/87]
California Institute of Technology, Pasadena, California
Research Advisor: Professor Robert Grubbs
Research: Mechanistic and theoretical studies of olefin metathesis and ring opening metathesis polymerizations catalyzed by group IV and VI metals.

B.S., Chemistry: [5/82]
California State University, Northridge; GPA= 3.97/4.00
Research Advisor: Professor Edward Rosenberg
Research: Mechanistic studies of ligand fluxuations on clusters.

Research Awards, Honors, and Honorary Positions:

Edward Leete Award, for Outstanding Contributions to Teaching and Research in Organic Chemistry, from The Organic Division of the ACS, Awarded on September 10th, 2013.
Comps Class Project Awardee, Carleton College, Northfield MN.
Izatt-Christensen Award in Macrocyclic and Supramolecular Chemistry, awarded at the 8th ISMSC in Washington DC, July 7th to 11th 2013.
Senior Visiting Fellow of the Institute for Advanced Study, Hong Kong University of Science and Technology, 2013-2014
Ta-shue Chou Award, For Outstanding Achievements in Physical Organic Chemistry, Feb. 21st 2012, Academia Sinica, Taiwan.
Gassman Lecturer, University Minnesota, Oct. 2011
Ramshorn Mark of Excellence, From Dean of the Cockrell School of Engineering, Oct. 29th 2009
Visiting Professor, Institute of Chemical and Engineering Sciences, Singapore, Dec. 15th-19th 2008
Faculty Service Award from the College of Natural Sciences, 2008
Visiting Professor, Hong Kong Baptist University, May 9th -11th 2007
Honorary Professor, East China University of Science and Technology, Induction May 2007
Adjunct Professor, Department of Biochemistry and Molecular Biology, The University of Texas Medical Branch, Galveston
American Association for the Advancement of Science, Election as a Fellow, 2006
Hamilton Textbook Award, from the University Coop. 2006
Cope Scholar Award. Granted from the ACS in Spring 2006.
Dreyfus Teacher-Scholar Award: 1994-1996

Alfred P. Sloan Research Fellow: 1994-1996
Proctor and Gamble University Research Initiative: 1993-1996
Searle Scholar: 1991-1994
Presidential Young Investigator: 1990-1995
Camille and Henry Dreyfus Young Faculty Award: 1989
National Science Foundation Post-Doctoral Fellowship: 1988
Union Carbide Fellow in Catalysis: Academic Year 86-87
Graduated with B.S. Summa Cum Laude: 1982
Analytical Chemistry Award, C.S.U., Northridge: 1980

Teaching Awards:

2010 Regent's Teaching Awardee, Across the entire Univ. Texas System, Aug. 11th 2010
Graduate Teaching Award, UT Austin: 2003
Election to Academy of Distinguished Teachers, UT Austin: 2000
Outstanding Faculty Award, UT Continuing Education: 1999
Jean Holloway Award for Excellence in Teaching: 1999
College of Natural Sciences Teaching Excellence Award: 1995

Work Experience:

Norman Hackerman Chair of Chemistry, 2012-present
Chief Scientific Officer, Titralyte, 2012-present
Chief Scientific Officer, Reveal Sciences, 2007-present
Chief Scientific Officer, Beacon Sciences, 2006-present
Norman Hackerman Professorship, University of Texas at Austin, 2000-2011
University Distinguished Teaching Professor, University of Texas at Austin, 2000-present, teaching and independent research.
Professor, University of Texas at Austin, 1999-2000
Associate Professor, University of Texas at Austin, 1995-1999
Assistant Professor, University of Texas at Austin, 1989-1995
Head of Synthetic Organic NMR Facility: Cal. Instit. of Tech. 1984-1987
Responsible for all training, maintenance and special experiment design on a JEOL FX-90 and JEOL GX-400. Extensive experience with 2D NMR, polarization transfer, magnetization transfer and NMR of heavy metals.
Teaching Assistant, Cal. State Univ. Northridge, 1983
Introductory Chemistry Laboratory, both first and second semester.

University of Texas Departmental and University Service:

Chair, Departmental Search Committee for External Chair, 2013-present
Head of the Chemistry Department Graduate Studies Committee, 2013-present
College Natural Sciences, Medical School Planning Committee, 2012-present
Departmental Course and Curriculum Reform Committee, 2011-present
Member, Committee for 210C Laboratory Reevaluation, 2009-2011
Departmental Faculty Awards Committee, 2009-present
Departmental Lecturer Oversight Committee, 2009-present
Member, Committee for Evaluation of Lecturer Position, 2009-2010
Design Committee, Laboratory Research Space for the NHB, 2007-2009
Reviewed Teachings Award Applications: Academy Selection, and Chancellor's Award, Dec. 2008
Chair, Strategic Planning Committee for The Department of Chemistry and Biochemistry, 2007-2008
Committee For Evaluation of Dean Rankin, Spring 2007
AdHoc Tenure and Promotion Committee, Department of Astronomy, Spring 2007
Departmental Tenure and Promotions Committee, 2004-2008
Odyssey Lecture to the Public, April 4, 2007
Hamilton Book Award Committee, 2006
Dean's Committee for Analysis the Space for ESB, 2006
Member Departmental Tenure and Promotions Committee, 2004-2008
Upon invitation, Voltaire's Coffee Discussion Group, "The Mists of Avalon" 2006

Participant, Academy of Distinguished Teachers Reading Roundup Discussion,
“The Mists of Avalon”, 2003 - present
Academy of Distinguished Teachers Sub-Committee on “Special Courses”, 2005
Departmental Awards Committee, 2004-present.
Instructor, Texas Teachers as Scholars, Course on Enzymes, Receptors, and
Sensing, Spring 2005.
College of Natural Sciences Tenure and Promotion Committee, 2004-2006
SPAC Committee Member, 2003-2006
Organic Division Coordinator, 2003-present.
Assistant Graduate Student Advisor 1995-present.
Chairman, Graduate Student Recruiting Committee for the Chemistry and
Biochemistry Department, 1995-1999.
Chairman, Department of Chemistry Safety Committee, 1993-1999.
College of Natural Sciences Safety Committee, 1995-1999.
Undergraduate Chemistry Student Advising, 1990-1995.
Chairman: Organic Chemistry Seminar Series from 1992-1995.
Lecture to the ACS Student Affiliates, Spring 1999.
Lecture to the ACS Student Affiliates, Fall 1998.
Lecture to the ACS Student Affiliates, Fall 1996.
Lecture to the 1994 Honors Colloquium.
Lecture to The Young Chemists Society, 1993.
Departmental Fellowship Committee, 1992-1995.
Graduate Student Recruitment Committee, 1991.

Professional and Community Service:

Member, External Review Visiting Committee, Department of Chemistry at the University of Minnesota,
April 7th-8th, 2014
Guest Speaker, Westminster Retirement Home, Feb. 4th 2013.
Member, Cope Scholar Awards Selection Committee, 2012-2013.
Member, NIH SBCA Study Section, Fall 2012-2016.
DTRA Review, Catalytic Signal Enhancement Work Shop, Arlington VA June 19th, 2012.
ACS National Selection Committee – Arthur C. Cope Scholar Awards 2012
Pioneer Award Study Section, NIH, Spring 2011
Organizer, Symposium Honoring Dr. Phillip Magnus, Southwest Regional ACS Meeting, Austin, Nov. 9th-
11th 2011.
New Innovator Award Study Section, NIH, Spring 2010.
International Advisory Board, *Chinese Journal of Chemistry*, 2009-present.
Organizer, International Symposium on Macrocyclic and Supramolecular Chemistry, Las Vegas, July 2008.
Pacific Chem. Symposium Co-Organizer, Dec. 2005.
Pacific Chem. Symposium Co-Organizer, Dec. 2000.
J. Am. Chem. Soc., Manuscript Associate Editor, Oct. 1st 1999 - present.
NIH Medicinal Chemistry A, Study Section Member, 1999-2003.
Supramolecular Chemistry, Editorial Advisory Board, 1999-2004.
J. Supramolecular Chemistry, Editorial Advisory Board, 1999-present.
J. Am. Chem. Soc. Book and Software Associate Editor, 1998-Oct. 1st 1999.
Symposium Co-Organizer: Southwest Regional ACS Meeting 1993.
23rd Macrocyclic Conference Co-Organizer: Oahu Hawaii 1998.
1999 NSF Workshop on Physical Organic Chemistry, Co-organizer.
1998 NSF Workshop on Physical Organic Chemistry, Co-organizer.
1997 NSF Workshop on Physical Organic Chemistry, Co-organizer.
Reviewer of Batelle National Laboratory project on Anion Recognition.
Ad Hoc Member, Bioorganic and Natural Products Study Section, NIH, 1996.
Ad Hoc Member, Medicinal Chemistry A, Study Section, NIH, 1997.

Short Courses:

Techniques of Sensing, Victoria Canada, July 2006.

Six lecture short course on Physical Organic Chemistry for Trinity University Dublin, Ireland, June 20th to 22nd, 2007.

Six lecture short course on Physical Organic Chemistry at University of Kyushu, Fukuoka, May 2008.

Three course lecture series on Solvation, Chirality, and Bonding Theories, Gassman Lecturer Series, University of Minnesota, Oct. 3rd – 7th 2011.

Substitution versus Elimination, Toho University, Japan, June 26th 2013.

Binding Forces, Supramolecular Interactions, and Acid/Base Analogies, Dow Chemical Company in Springhouse, PE, April 17th, 2014.

Consulting Services

Methamphetamine Sentencing Trial (testifying) 1994

Pharmacopeia 1999

AstraZeneca 1999

Labnetics 1999-2001

Rothwell, Figg, Ernst, and Manbeck (expert report) 2001

Affimetrics 2003

Merck Pharmaceuticals 2004 and 2005

Beacon Sciences, Chief Scientific Officer, 2006-2013

Reveal Sciences, Chief Scientific Officer, 2007-2013

Mimetic Solutions, 2008-present

Sterne, Kessler, Goldstein, and Fox (patent reviews) 2006

Biggers and Ohanian (patent reviews) 2006

Williams and Connolly (expert reports, deposition, testimony) 2006-2008, Boehringer Ingelheim vs. Barr Pharmaceuticals, No. 05-0700 (D. Del.)

Skadden, Arps, Slate, Meagher and Flom, (expert reports) 2009-2010, Johnson Matthey vs. Noven and Shire Pharmaceuticals, Civil Action No. 2-07-cv-260-CFE.

Jones Day, (Declarations) June 17th, 2010, Merial Limited and BASH Agra vs. Virbac S.A. and Virbac Corp., Civil Case No. 4:10-cv-181-Y

McDermott, Will, and Emery, (Declarations) July 9th 2010, Sandoz vs. Boehringer Ingelheim Int. GMBH, Preliminary Injunction Hearing, 3:10-cv-00437-UATC-MCR

McDermott, Will, and Emery (Expert report, deposition) 2011, LEO Pharma vs. TOLMAR, D. Del. Case # 10-cv-

0269 and 10-cv-0715

Kirkland and Ellis, LLP (Expert report, deposition) Pfizer vs Sandoz Inc., C.A. No: 12-1252-GMS/MPT

Patents

1. Eric Anslyn and Axel Metzger, "Receptor and method for citrate determination", U. S. Patent No. 6,048,732, Issued

2. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Detection system based on an analyte reactive particle", U. S. Patent No. 6,602,702, Issued August 5, 2003

3. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "General signaling protocol for chemical receptors in immobilized matrices," U. S. Patent No. 6,589,779, Issued July 8, 2003

4. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Method of preparing a sensor array", U. S. Patent No. 6,649,403, Issued November 18, 2003

5. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Sensor arrays for the measurement and identification of multiple analytes in solutions", U. S. Patent No. 6,680,206, Issued January 20, 2004

6. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Method and apparatus for the delivery of samples to a chemical sensor array," U. S. Patent No. 6,713,298, Issued March 30, 2004

7. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Fluid based analysis of multiple analytes by a sensor array", U. S. Patent No. 6,908,770, Issued June 21, 2005

8. John McDevitt, Eric Anslyn, Jason Shear, Dean Neikirk and Damon Borich, "Method and apparatus for the delivery of samples to a chemical sensor array," U. S. Patent No. 7,022,517, Issued April 4, 2006
9. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Portable sensor array system," U. S. Patent No. 7,316,899, Issued January 8, 2008
10. Eric Anslyn, J. Frantz Folmer-Andersen and Lei Zhu, "Determining enantiomeric excess using indicator-displacement assays," U. S. Patent No. 7,332,343, Issued February 19, 2008
11. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Fluid based analysis of multiple analytes by a sensor array," U. S. Patent No. 7,491,552, Issued February 17, 2009
12. Michael Descour, Russell Dupuis, Eric Anslyn and Rebecca Richards-Kortum, "Multimodal miniature microscope," U. S. Patent No. 7,492,535, Issued February 17, 2009
13. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Method and apparatus for the delivery of samples to a chemical sensor array", Serial No. 775048, Filed January 31, 2001
14. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Magnetic-based placement and retention of sensor elements in a sensor array", Serial No. 775342, Filed January 31, 2001
15. John McDevitt, Eric Anslyn, Jason Shear, Dean Neikirk, Park Byunghwa and Park Yoon Sok, "Method and apparatus for the confinement of materials in a micromachined chemical sensor array," Serial No. 072800, Filed January 31, 2002
16. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Method and system for collecting and transmitting chemical information," Serial No. 775340, Filed January 31, 2001
17. Michael Descour, Russell Dupuis, Eric Anslyn and Rebecca Richards-Kortum, "Multimodal miniature microscope," Serial No. 237151, Filed September 6, 2002
18. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Portable sensor array system," Serial No. 775343, Filed January 31, 2001
19. John McDevitt, Eric Anslyn, Jason Shear, Dean Neikirk and Nick Christodoulides, "Method and system for the detection of cardiac risk factors", Serial No. 427744, Filed April 28, 2003
20. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "System and method for the analysis of bodily fluids", Serial No. 775344, Filed January 31, 2001
21. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "System and method for the analysis of bodily fluids", Serial No. 924285, Filed August 23, 2004
22. John McDevitt, Eric Anslyn, Jason Shear and Dean Neikirk, "Fluid based analysis of multiple analytes by a sensor array", Serial No. 039054, Filed January 20, 2005
23. John McDevitt, Eric Anslyn, Jason Shear, Dean Neikirk and Nick Christodoulides, "Method and system for the analysis of saliva using a sensor array", Serial No. 010816, Filed December 13, 2004
24. Eric Anslyn, J. Frantz Folmer-Andersen and Lei Zhu, "Determining enantiomeric excess using indicator-displacement assays," Serial No. 036642, Filed January 14, 2005
25. Eric Anslyn, Aaron Wright and Zhenlin Zhong, "Synthetic receptors for the detection of analytes", Serial No. 172276, Filed June 30, 2005

26. Michael Descour, Russell Dupuis, Eric Anslyn and Rebecca Richards-Kortum, "Multimodal miniature microscope," Serial No. 108616, Filed April 18, 2005
27. John McDevitt, Adrian Goodey, Eric Anslyn, Jason Shear and Dean Neikirk, "Multi-shell microspheres with integrated chromatographic and detection layers for use in array sensors," Serial No. 544954, Filed February 9, 2004
28. John McDevitt, Karri Ballard, Pierre Floriano, Nick Christodoulides, Dean Neikirk, Eric Anslyn and Jason Shear, "Integration of fluids and reagents into self-contained cartridges containing particle and membrane sensor elements," Serial No. 022365, Filed December 22, 2004
29. John McDevitt, Karri Ballard, Pierre Floriano, Nick Christodoulides, Dean Neikirk, Eric Anslyn and Jason Shear, "Integration of fluids and reagents into self-contained cartridges containing particle-based sensor elements and membrane-based sensor elements," Serial No. 020442, Filed December 22, 2004
30. John McDevitt, Karri Ballard, Pierre Floriano, Nick Christodoulides, Dean Neikirk, Eric Anslyn and Jason Shear, "Integration of fluids and reagents into self-contained cartridges containing sensor elements and reagent delivery systems", Serial No. 020443, Filed December 22, 2004
31. John McDevitt, Karri Ballard, Pierre Floriano, Nick Christodoulides, Dean Neikirk, Eric Anslyn and Jason Shear, "Integration of fluids and reagents into self-contained cartridges containing sensor elements," Serial No. 022176, Filed December 22, 2004
32. Eric Anslyn, J. Frantz Folmer-Andersen and Lei Zhu, "Determining Enantiomeric Excess Using Indicator-Displacement Assays," Serial No. 839085, Filed August 15, 2007
33. John McDevitt, Adrian Goodey, Eric Anslyn, Jason Shear and Dean Neikirk, "PORTABLE SENSOR ARRAY SYSTEM," Serial No. 970985, Filed January 8, 2008

Research Publications

- 239) "The Use of Principle Component Analysis and Discriminant Analysis in Differential Sensing Routines" Stewart, S.; Adams, M.; Anslyn, E.V. *Chem. Soc. Rev.* **2014**, *43*, 70-84.
- 238) "Differentiation of Functional Groups and Biologically Relevant Anions Using AT-PAMAM Dendrimers" Long, S.E.; Bonizzoni, M.; Ray, B.; Anslyn, E.V. *Supramolecular Chemistry*, **2013**, *25*, 641-649.
- 237) "Sulfur Incorporation Generally Improves Ricin Inhibition in Pterin-appended Glycine-phenylalanine dipeptide Mimics" Wiget, P.A.; Manzano, L.A.; Pruet, J.M.; Gao, G.; Ryota, S.; Monzingo, A.F.; Jasheway, K.R.; Robertus, J.D.; Anslyn, E.V. *Bioorg. Med. Chem Lett.*, 0000.
- 236) "In-Situ Generation of Differential Sensors that Fingerprint Kinases and the Cellular Response to Their Expression" Zamora-Olivares, D.; Kaoud, T.; Dalby, K.; Anslyn, E.V. *J. Am. Chem. Soc.* **2013**, *135*, 14814-14820.
- 235) "A Selective and Sensitive Chromogenic and Fluorogenic Detection of a Sulfur Mustard Simulant", Kumar, V.; Anslyn, E.V. *Chem. Sci.* **2013**, *4*, 4292-4297.
- 234) "Array Sensing Using Optical Methods for Detection of Chemical and Biological Hazards" Diehl, K.; Anslyn, E.V. *Chem. Soc. Rev.* **2013**, *42*, 8596-8611.
- 233) "Studies of Reversible Conjugate Additions" Zhong, Y.; Xu, Y.; Anslyn, E.V. *Eur. J. Org. Chem.* **2013**, *23*, 5171-5021.
- 232) "A Selective Turn-On Fluorescent Sensor for Sulfur Mustard Simulants" Kumar, V.; Anslyn, E.V. *J. Am. Chem. Soc.* **2013**, *135*, 6338-6344.

- 231) "On the Rate of Boronate Ester Formation in Ortho-Aminomethyl-functionalized Phenyl Boronic Acids", Collins, B.E.; Metola, P.; Anslyn, E.V. *Supramolecular Chemistry*, **2013**, 25, 79-86,
- 230) "Peptide-Conjugated Pterins as Inhibitors of Ricin Toxin A" Saito, R.; Pruet, J.; Manzano, L.A.; Jasheway, K.; Monzingo, A.F.; Wiget, P.A.; Ishan, K.; Anslyn, E.V.; Robertus, J.D. *J. Med. Chem.* **2013**, 56, 320-329.
- 229) "Dynamic Thiol Exchange with β -Sulfido- α , β -Unsaturated Carbonyl Compounds and Dithianes" Joshi, G.; Anslyn, E.V. *Organic Letters* **2012**, 14,18, 4714-4717.
- 228) "A Mechanically Controlled Indicator Displacement Assay" Sakibara, K.; Joyce, L.A.; Mori, T.; Fujisawa, T.; Shabbir, S.H.; Hill, J.P. Anslyn, E.V.; Ariga, K *Angew Chem* **2012**,124, 9781-9784.
- 227) "Statistics: Linear Discriminant Analysis (LDA), Principal Component Analysis (PCA), and Artificial Neural Networks (ANN) in Supramolecular Chemistry" in Encyclopedia of Supramolecular Chemistry Maynor, M.S.; Adams, M.M.; Lavigne, J.J.; Anslyn, E.V. **2012**
- 226) "Discrimination of vicinal-diol-containing flavonoids and black teas by arrays of host-indicator ensembles" Zhang, X.; Anslyn, E.V.; Qian, X. *Supramolecular Chemistry* **2012** 24,7 520-525
- 225) "Optimized 5-Membered Heterocycle-Linked Pterins for the Inhibition of Ricin Toxin A" Pruet, J.M.; Saito, R.; Manzano, L.A.; Jasheway, K.R.; Wiget, P.A.; Kamat, I.; Anslyn, E.V.; Robertus, J.D. *ACS Medicinal Chemistry Letters* **2012**, 3, 588-591.
- 224) "Exploration of plasticizer and plastic explosive detection and differentiation with serum albumin cross-reactive arrays" Adams-Ivy, M.; Gallagher, L.T.; Ellington, A.D.; Anslyn, E.V. *Chemical Science* **2012**, 3, 1773-1779.
- 223) "Enantio- and Chemoselective Differentiation of Protected α -Amino Acids and β -Homoamino Acids with a Single Copper(II) Host" Joyce, L. A.; Canary, J.W.; Anslyn, E.V. *Chem. Eur. J.* **2012**, 18, 8064-8069.
- 222) "Identification of Influenza Virus Inhibitors Targeting NSIA Utilizing Fluorescence Polarization-Based High-Throughput Assay" Cho, E.J.; Xia, S.; Ma, L.; Robertus, R.M.; Anslyn, E.V.; Montelione, G.T.; Dllington, A. *Biomolecular Screening* **2012**, 17(4), 448-459.
- 221) "Pattern-based Discrimination of Organic Acids and Red Wine Varietals by Arrays of Synthetic Receptors" Gallagher, L.T.; Heo, J.S.; Lopez, M.A.; Ray, B.M.; Xiao, J.; Umali, A.P.; Zhang, A.; Dharmarajan, S.; Heymann, H.; Anslyn, E.V. *Supramolecular Chemistry* **2012**, 24(2), 143-148.
- 220) "Oxoanion Recognition by Benzene-based Tripodal Pyrrolic Receptors" Bill, N.L.; Kim, D.; Kim, S.K.; Park, J.S.; Lynch, V.M.; Young, N.J.; Hay, B.P.; Yang, Y.; Anslyn, E.V.; Sessler, J.L.; Meisner, J.S. *Supramolecular Chemistry* **2012**, 24(1). 72-76.
- 219) "An Exciton-Coupled Circular Dichroism Protocol for the Determination of Identity, Chirality, And Enantiomeric Excess of Chiral Secondary Alcohols" You, L.; Pescitelli, F.; Anslyn, E.V.; Di Bari, L. *J. Am. Chem. Soc.* **2012**, 134, 7117-7125
- 218) "Correlating Sterics Parameters and Diastereomeric Ratio Values for a Multicomponent Assembly To Predict Exciton-Coupled Circular Dichroism Intensity and Thereby Enantiomeric Excess of Chiral Secondary Alcohols" You, L; Berman, J.S.; Lucksanawichien, A.; Anslyn, E.V. *J. Am. Chem.* **2012**, 134, 7126-7134.
- 217) "In Situ Assembly of Octahedral Fe(II) Complexes for the Enantiomeric Excess Determination of Chiral Amines Using Circular Dichroism Spectroscopy" Dragna, J.M.; Pescitelli, G.; Tran, L.; Lynch, V.M.; Anslyn, E.V. *J. Am. Chem. Soc.* **2012**, 134, 4398-4407.

- 216) "Discrimination and Classification of Ginsenosides and Ginsengs Using Bis-Boronic Acid Receptors in Dynamic Multicomponent Indicator Displacement Sensor Arrays" Zhang, X.; You, L.; Anslyn, E.V.; Qian, X. *Chem. Eur. J.* **2012**, 18, 1102-1110
- 215) "PAMAM dendrimer induced aggregation of 5(6)-carboxyfluorescein" Bonizzoni, M.; Long, R.; Anslyn, E.V. *J. Org. Chem.* **2012**, 77, 1258-1266.
- 214) "Uses of Differential Sensing and Arrays in Chemical Analysis" Adams, M.M., Joyce, L.A.; Anslyn, E.V. *Supramolecular Chemistry, From Molecules to Nanomaterials*, John Wiley and Sons, Sussex UK, Vol. 2, 709-732.
- 213) "Competition Experiments" You, L.; Anslyn, E.V. *Supramolecular Chemistry, From Molecules to Nanomaterials*, John Wiley and Sons, Sussex UK, Vol. 1, 135-160.
- 212) "Identification of Influenza Virus Inhibitors Targeting NS1A Utilizing Fluorescence Polarization-Based High-Throughput Assay" Cho, E.J.; Xia, S.; Ma, L.C.; Robertus, J.; Krug, R.M.; Anslyn, E.V.; Montelinone, G.T.; Ellington, A.D. *J. Biomol. Screening*, **2012**, 17, 448-4509.
- 211) "Uses of Differential Sensing and Arrays in Chemical Analysis", Anslyn, E.V.; Joyce, L.A.; Adams, M.M. *Supramolecular Chemistry: from Molecules to Nanomaterials*, Steed, J.W.; Gale, P.A. (Eds.), John Wiley and Sons Ltd, Chichester, UK, **2012**, pp 709-730.
- 210) "Dynamic multi-component covalent assembly for the reversible binding of secondary alcohols and chirality sensing" You, Lei; Berman, Jeffrey S.; Anslyn, E.V. *Nature Chemistry* **2011**, 3, 943-948.
- 209) "Artificial Receptors for the Recognition of Phosphorylated Molecules" Hargrove, A.E.; Nieto, S.; Zhang, T.; Sessler, J.L.; Anslyn, E.V. *Chemical Reviews* **2011** 603-782.
- 208) "Identifying Protein Variants with Cross-Reactive Aptamer Arrays" Stewart, Sara; Syrett, Angel; Pothukuchy, Arti; Bhadra, Sancheeta; Ellington, Andrew; Anslyn, E.V. *ChemBioChem* **2011**, 2021-2024.
- 207) "Enthalpy- vs Entropy-Driven Complexation of Homoallylic Alcohols by Rhodium(I) Complexes" Kang, Sung Ok; Lynch, Vincent M; Day, Victor W., Anslyn, E.V. *Organometallics* **2011**, 6233-6240.
- 206) "Dynamic Multicomponent Hemiaminal Assembly" You, Lei; Long, S Reid; Lynch, Vincent M., Anslyn, E.V. *Chem. Eur. J.* **2011** 11017-11023.
- 205) "Circular dichroism of multi-component assemblies for chiral amine recognition and rapid ee determination" Metola, Pedro; Anslyn, E.V.; James, Tony D.; Bull, Steven D. *Chemical Science* **2011**, 156-161.
- 204) "A Simple Method for the Determination of Enantiomeric Excess and Identity of Chiral Carboxylic Acids" Joyce, L.A.; Maynor, M.S.; Dagna, J.M.; da Cruz, G.; Lynch, V.M.; Canary, J.W.; Anslyn, E.V. *J. Am. Chem. Soc.* **2011**, 13746-13752.
- 203) "Rapid determination of enantiomeric excess: a focus on optical approaches" Leung, D.; Kang, Sung-Ok, Anslyn, E.V. *Chem. Soc. Rev.* **2011**, 41, 448-479.
- 202) "Structure-Based Design of Ricin Inhibitors" Jasheway, K.; Pruet, J.; Anslyn, E.V.; Robertus, J.D. *Toxins*, **2011**, 3, 1233-1248.
- 201) "7-Substituted Pterins Provide a New Direction for Ricin A Chain Inhibitors" Pruet, J. M.; Anslyn, E.V. *Eur. J. Med. Chem.* **2011**, 46, 3608-3615.

- 200) "Rapid Determination of Enantiomeric Excess of alpha-Chiral Cyclohexanones Using Circular Dichroism Spectroscopy" Leung, D.; Anslyn, E.V. *Org. Lett.* **2011**, *9*, 2298-2301.
- 199) "Synthesis and Evaluation of Derivatives as Potential Influenza NS1A Protein Inhibitors" You, L.; Cho, E.J.; Leavitt, J.; Ma, J.C.; Montelione, G.; Anslyn, E.V.; Krug, R.M.; Ellington, A.; Robertus, J.D. *Bioorg. Med. Chem. Lett.* **2011**, *21*, 3007-3011.
- 198) "Chemical Functionalization of Oligodeoxynucleotides with Multiple Boronic Acids for the Polyvalent Binding of Saccharides" Hargrove, A.E.; Ellington, A.D.; Anslyn, E.V.; Sessler, J. *Bioconj. Chem.* **2011**, *22*, 388.
- 197) "Discrimination of Flavonoids and Red Wine Varietals by Arrays of Differential Peptidic Sensors" Umali, A. LeBoeuf, S.E.; Newberry, R.W.; Kim, S.; Tran, L.; Rome, W.A.; Tian, T.; Taing, D.; Hong, J.; Kwan, M.; Heymann, H.; Anslyn, E.V. *Chem. Sci.* **2011**, *2*, 439-445.
- 196) "A Fluorescence Based Cyclodextrin Sensor to Detect Aromatic Nitro Explosives" Ponnu, A.; Anslyn, E.V. *Supramolecular Chemistry*, **2010**, *22*, 65-71.
- 195) "Development of an online citrate/Ca(2+) sensing system for dialysis" Yang, Y.; Szamosfalvi, B.; Yee, J.; Frinak, S.; Anslyn, E.V. *Analyst* **2010**, 317-320.
- 194) "Serum Albumins as Differential Receptors for the Discrimination of Fatty Acids and Oils" Kubarych, C.J.; Adams, M.M.; Anslyn, E.V. *Organic Letters* **2010**, *12*, 21, 4780-4783.
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Invited Lectures on Research Accomplishments

- 285) "Biological Applications of Supramolecular Analytical Chemistry" Mardi Gras Symposium, Tulane University, Jan. 27th, 2014.
- 284) "Three Tales of Supramolecular Analytical Chemistry", Tulane University, Jan. 17th 2014
- 283) "Supramolecular Analytical Chemistry" University of Geneva, Chemistry Day, Jan. 27th 2014
- 282) "Supramolecular Analytical Chemistry", Chinese Chemical Biology Symposium, East China University of Science and Technology, Shanghai China, Sept. 17th 2013
- 281) "Three Tales of Supramolecular Analytical Chemistry", University of California, Riverside, Sept. 25th 2013
- 280) Izatt Christensen Award Lecture, 8th ISMSC, "Three Tales of Supramolecular Analytical Chemistry" Arlington VA, July 10th, 2013.
- 279) "Supramolecular Analytical Chemistry" Toho University, Toho Japan, June 25th, 2013.
- 278) "Supramolecular Analytical Chemistry" Tsukuba Institute for Material Science, Tsukuba Japan, June 24th 2013.
- 277) "Supramolecular Approaches to Rapid Ee Determination" ISACS 10 Conference, Kyoto Japan, June 20th, 2013.
- 276) "Supramolecular Analytical Chemistry" Penn. State Univ., State College PA, May 28th 2013
- 275) "Supramolecular Analytical Chemistry", Carleton College, Northfield MN, April 19th 2013
- 274) "Supramolecular Analytical Chemistry", U.C. Davis, March 13th 2013
- 273) "Supramolecular Analytical Chemistry", California Institute of Technology, March 11th 2013
- 272) "Supramolecular Analytical Chemistry", Plenary Lecture at the HKUST Symposium on Advances in Biomedical Engineering, Hong Kong, Jan. 12th, 2013.
- 271) "Supramolecular Analytical Chemistry" Chinese University of Hong Kong, Jan. 10th, 2013.
- 270) "Supramolecular Analytical Chemistry" University of Hong Kong, Jan. 9th, 2013.
- 269) "Supramolecular Methods for the Rapid Determination of Enantiomeric Excess" South China University of Technology, Guangzhou China, Jan. 7th, 2013.
- 268) "Supramolecular Analytical Chemistry" International Kyoto Conference on Organic Chemistry (IKCOC-12), Kyoto Japan, Nov. 13th, 2012.
- 267) "Supramolecular Analytical Chemistry" Texas Tech., Lubbock TX, Oct. 3rd 2012.
- 266) "Supramolecular Analytical Chemistry" Univ. of Alabama, Tuscaloosa AL, Sept. 13th, 2012.
- 265) "Supramolecular Analytical Chemistry" University of Arlington, Arlington TX, July 30th 2012.
- 264) "Supramolecular Analytical Chemistry" Ewha University, Seoul Korea, July 13th, 2012.
- 263) "Supramolecular Approach to High-Throughput Ee Analysis" Seoul National University, June 12th, 2012.
- 262) "Supramolecular Analytical Chemistry" MSMLG, Seoul Korea, July 11th, 2012.
- 261) "Supramolecular Approach to High-Throughput Ee Analysis" Chirality Conference, Fort Worth TX, June 11th, 2012.
- 260) "Supramolecular Analytical Chemistry", University Distinguished Lecturer, Hong Kong University of Science and Technology, Hong Kong, April 16th, 2012.
- 259) "Supramolecular Analytical Chemistry", Columbia University, NYC, April 5th, 2012.
- 258) "Supramolecular Analytical Chemistry", ISEOFM2012, Shanghai China, March 11th, 2012.
- 257) "Supramolecular Approaches to High-Throughput Screening of Enantiomeric Excess". Merck Pharmaceutical Rahway NJ, March 21st 2012.
- 256) "Supramolecular Approaches to High-Throughput Screening of Enantiomeric Excess". National Dong Hwa University, Taiwan, Feb. 24th, 2012.
- 255) "Supramolecular Approaches to High-Throughput Screening of Enantiomeric Excess", National Chao Tung University, Taiwan, Feb. 23rd, 2012.
- 254) "Supramolecular Approaches to High-Throughput Screening of Enantiomeric Excess", National Taiwan University, Feb. 22nd, 2012.
- 253) "Supramolecular Analytical Chemistry" Ta-shue Chou Memorial Lectures, Feb. 12st, 2012, Academia Sinica. Taiwan.
- 252) "Supramolecular Rapid EE Analysis" New York University, Jan. 27th, 2012.
- 251) "Supramolecular Analytical Chemistry" Montana State University, Dec. 1st, 2011.

- 250) "Supramolecular Rapid EE Analysis" Southwest Regional ACS Meeting, Austin TX, Nov. 9th 2011.
- 249) "Supramolecular Analytical Chemistry", Pennsylvania State University, Oct. 24th, 2011.
- 248) "Supramolecular Analytical Chemistry" Macalester College, Saint Paul, MN, Oct. 5th, 2011.
- 247) "Supramolecular Rapid EE Analysis" Gassman Lecturer Series, University of Minnesota, Oct. 6th, 2011.
- 246) "Supramolecular Analytical Chemistry" Gassman Lecturer Series, University of Minnesota, Oct. 4th 2011.
- 245) "Triggered Reactions for Creating Optical Responses" Methods and Applications of Fluorescence, Strasbourg France, September 13th, 2011.
- 244) "Supramolecular Chirality and Enantiomeric Excess Determination" University of Birmingham, England, July 11th, 2011
- 243) "Supramolecular Chirality and Enantiomeric Excess Determination" University of Bath, England, July 8th, 2011
- 242) "Supramolecular Chirality and Enantiomeric Excess Determination" 6th ISMSC, Brighton England, July 5th, 2011
- 241) "Patterning Chirality and Enantiomeric Excess" National University Singapore, June 9th, 2011.
- 240) "Pattern Recognition and Supramolecular Chemistry" National University Singapore, June 8th, 2011.
- 239) "Supramolecular Analytical Chemistry" Nan Qiang Lecture, Xiamen University, Xiamen, China, June 6th 2011.
- 238) "Supramolecular Analytical Chemistry" Fujian Institute of Structure and Matter, Fuzhou, China, June 4th 2011.
- 237) "Supramolecular Analytical Chemistry" Zhejiang University, Hangzhou, China, June 1st 2011.
- 236) "Supramolecular Analytical Chemistry" Hong Kong University, Hong Kong, China, May 30th 2011.
- 235) "Supramolecular Analytical Chemistry" Scripps Florida, Jupiter Florida, April 28th 2011.
- 234) "Supramolecular Analytical Chemistry" ETH, Zurich, Switzerland, April 4th, 2011.
- 233) "Biomimetic Sensing" Breslow 80th Birthday Symposium, Anaheim ACS meeting, March 27th, 2011.
- 232) "Supramolecular Analytical Chemistry" University of Toronto, Mississauga, Feb. 29th 2011.
- 231) "Supramolecular Analytical Chemistry" University of Toronto, St. George, Feb. 28th 2011.
- 230) "Supramolecular Analytical Chemistry" 2010-2011 Organic Synthesis Lecturer, U.C. Berkeley, Feb. 7th 2011.
- 229) "Supramolecular Analytical Chemistry" University of Maryland Distinguished Departmental Lecture, Jan. 28th 2011.
- 228) "Mechanistic Studies and Analytical Uses of Boronic Acids" Pacificchem, Honolulu HI, Dec. 20th, 2010.
- 227) "Supramolecular Analytical Chemistry" Pacificchem, Honolulu HI, Dec. 15th 2010.
- 226) "Supramolecular Analytical Chemistry" 2nd MSMLG, Ankara Turkey, October 21st 2010.
- 225) "Supramolecular Analytical Chemistry" EuChemMS Chemistry Conference, Nurnberg, Germany, August 31, 2010.
- 224) "Supramolecular Analytical Chemistry" Sanofi Aventis, Frankfurt, Germany, September 2, 2010.
- 223) "Supramolecular Analytical Chemistry" Aegean Conference, 1st International Conference on Molecular Recognition, Crete, Greece, June 7th 2010.
- 222) "Supramolecular Analytical Chemistry" 33^a Reunao Anual Sociedade Brasileira de Quimica, Aqua di Lindoia, Brazil, May 31st 2010.
- 221) "Supramolecular Analytical Chemistry" University of Sao Paulo, Sao Paulo Brazil, May 28th, 2010.
- 220) "Supramolecular Analytical Chemistry" Burkenstock Conference, Brunnen, Switzerland, May 3rd, 2010
- 219) "Supramolecular Analytical Chemistry" North Carolina St. Univ., Raleigh-Durham, April 23rd 2010
- 218) "Supramolecular Analytical Chemistry" Duke University, Raleigh-Durham, April 22nd 2010
- 217) "Supramolecular Analytical Chemistry" Univ. North Carolina, Chapel Hill NC, April 21st 2010
- 216) "Supramolecular Analytical Chemistry" Southern Methodist University, Dallas TX, Feb. 26th 2010
- 215) "Supramolecular Analytical Chemistry" University of Colorado, Boulder CO, Jan. 25th 2010
- 214) "Problems in the Anslyn Group" NSF Physical Organic Workshop, Austin TX, Jan. 9th 2010
- 213) "Supramolecular Analytical Chemistry" Dains Lecture, Univ. Kansas, Lawrence KS, Dec. 11th 2009
- 212) "Supramolecular Analytical Chemistry" RISE Lecturer, Univ. Puerto Rico, San Juan, Nov. 13th 2009
- 211) "Supramolecular Analytical Chemistry" Univ. Ill. Urbana-Champagne, Oct. 12th 2009
- 210) "Supramolecular Analytical Chemistry" Univ. South Carolina, Columbia S.C. Sept. 11th 2009.

- 209) "Differential Arrays from Peptides, Metals, and Indicators" 10th International Conference on Calixarene Chemistry, Seoul South Korea, July 15th 2009.
- 208) "Supramolecular Analytical Chemistry", University of Warsaw, Warsaw Poland, June 15th 2009.
- 207) "Supramolecular Analytical Chemistry", Bruno-Werelmann-Lecture, University of Essen, Essen Germany, June 15th, 2009.
- 206) "Supramolecular Analytical Chemistry", University of Kiel, Otto Diels Institute of Organic Chemistry, Kiel Germany, June 11th, 2009
- 205) "Supramolecular Analytical Chemistry" Munchener Chemische Gesellschaft Lecture, Ludwig-Maximilians_ Universitat Munchen, Germany, June 9th, 2009
- 204) "Supramolecular Analytical Chemistry" Taft Memorial Lecture, Univ. California Irvine, April 29th, 2009
- 203) "Supramolecular Analytical Chemistry" New York University, NYC, Feb. 20th 2009
- 202) "Supramolecular Analytical Chemistry" Cambridge University, Cambridge, England, Jan. 15th 2009
- 201) "Supramolecular Analytical Chemistry" University of East Anglia, Norwich, England, Jan. 14th 2009
- 200) "Supramolecular Analytical Chemistry" University of Sheffield, Sheffield England, Jan. 13th, 2009
- 199) "Supramolecular Analytical Chemistry" National Singapore University, Dec. 19th, 2008.
- 198) "Supramolecular Analytical Chemistry" Institute of Chemical and Engineering Sciences, Singapore, Dec. 16th, 2008.
- 197) "Supramolecular Analytical Chemistry" Yale University, Princeton NY, Nov. 5th, 2008.
- 196) "Supramolecular Analytical Chemistry" Sanofi-Aventis, Tucson AR, Oct. 8th, 2008.
- 195) "Supramolecular Analytical Chemistry" University Michigan, Ann Arbor, MI, Sept. 16th 2008
- 194) "Supramolecular Analytical Chemistry" Scripps Institute, San Diego CA., August 13th, 2008.
- 193) "Supramolecular Chemistry and Pattern Recognition" Tohoku University Department of Chemical Engineering, Sendai Japan, June 9th 2008
- 192) "Supramolecular Analytical Chemistry" Tohoku University Department of Chemistry, Sendai Japan, June 9th 2008
- 191) "Supramolecular Analytical Chemistry" University of Kyoto, Kyoto Japan, June 6th 2008
- 190) "Supramolecular Analytical Chemistry" University of Osaka, Osaka, Japan June 5th 2008
- 189) "Supramolecular Analytical Chemistry" University of Kyushu, Fukuoka, Japan, June 3rd 2008
- 188) "Supramolecular Analytical Chemistry" University of Nebraska, Lincoln, May 2nd 2008
- 187) "Supramolecular Analytical Chemistry" Trinity University, San Antonio TX, March 27th 2008
- 186) "Supramolecular Chemistry and Pattern Recognition" New York Academy of Sciences, Symposium on Chemical Neurobiology, Feb. 22nd, 2008.
- 185) "Supramolecular Analytical Chemistry" Indiana University, Dec. 7th, 2007.
- 84) "Supramolecular Analytical Chemistry" Purdue University, Bachmann-Pearce named lecture, Dec. 6th, 2007
- 183) "Supramolecular Analytical Chemistry" University of New Orleans, Oct. 19th, 2007.
- 182) "Supramolecular Analytical Chemistry" Xiamen University, China, Sept. 26th, 2007.
- 181) "Contrasting Selective vs. Differential Sensors" XXXV CSI, Xiamen China, Sept. 24th 2007.
- 180) "Colorimetric Methods for Enantiomeric Excess Determination" Organic Reactions and Process Gordon Conference, July 17th, 2007.
- 179) "Inorganic and Organic Receptors for Analytical Purposes" International Symposium on Photochemical and Photophysical Phenomenon, Dublin Ireland, June 27th, 2007.
- 178) "A Marriage of Supramolecular Chemistry with Pattern Recognition" University of Edinburgh, Scotland, June 19th, 2007.
- 177) "A Marriage of Supramolecular Chemistry with Pattern Recognition" Durham University, England, June 15th, 2007.
- 176) "A Marriage of Supramolecular Chemistry with Pattern Recognition" University of Bath, England, June 13th, 2007.
- 175) "A Marriage of Supramolecular Chemistry with Pattern Recognition" University of Southampton, England, June 11th 2007.
- 174) "Opportunities in the United States for Asians" Hong Kong Baptist University, May 10th, 2007.
- 173) "Supramolecular Analytical Chemistry" Hong Kong Baptist University, May 9th 2007.
- 172) "Supramolecular Analytical Chemistry" International Symposium on Molecular Machines and Sensing", May 7th, Shanghai, China
- 171) "Supramolecular Analytical Chemistry" Bowling Green State University, April 28th, 2007

- 170) "Supramolecular Analytical Chemistry" University of Florida, Gainesville, March 22nd, 2007.
- 169) "Supramolecular Analytical Chemistry" University of Illinois, Carbondale, Feb. 23rd, 2007.
- 168) "Supramolecular Chemistry and Pattern Recognition, A Complementary Match" Frye Lectureship, Univ. Arkansas, Fayetteville, Feb. 12th 2007
- 167) "Supramolecular Chemistry and Pattern Recognition, A Complementary Match" Northwestern University, Jan. 18th, 2007
- 166) "Supramolecular Chemistry and Pattern Recognition, A Complementary Match" Tufts University, Dec. 4th 2006
- 165) "The Power of Differential Receptors Rather Than Selective Receptors" University of Basel, Oct. 30th 2006
- 164) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match" University of Berne, Oct. 31st, 2006
- 163) "Supramolecular Analytical Chemistry" University of Neuchatel, Nov. 1st, 2006.
- 162) "Combining Supramolecular Chemistry with Chemometrics" University of Fribourg, Nov. 2nd 2006.
- 161) "Teaching Supramolecular Chemistry New Tricks" University of Lausanne, EPFL, Nov. 3rd 2006
- 160) "A Marriage of Supramolecular Chemistry with Pattern Recognition" ACS Meeting, Fall 2006, San Francisco, Cope Scholar Award Presentation
- 159) "Practical Sensing Applications" Merck Pharmaceuticals, August 17th, 2006. Rahway NJ
- 158) "A Marriage of Supramolecular Chemistry with Pattern Recognition" June 26th, 2nd ISMSC, Victoria Canada.
- 157) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", June 16th. 2006, Oviedo Universidad. Oviedo, Spain.
- 156) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", June 14th, 2006 Autonomica Quimica. Madrid, Spain.
- 155) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", June 12th, 2006, Institute Catala d'Investigacio Quimica, Tarragona, Spain.
- 154) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match" June 9th, 2006, Valencia Universidad, Valencia Spain.
- 153) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", June 7th, 2006, Universidad de Illes Balears, Mallorca Spain.
- 152) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", Apr. 13th 2006, Northeastern Univ. Boston, MA.
- 151) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", Mar. 10th 2006, Iowa State Univ., Ames, IO.
- 150) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", Feb. 9th 2006, Univ. Arizona, Tucson, AZ.
- 149) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", Jan. 12th 2006, Univ. Tennessee, Knoxville TN.
- 148) "A Marriage of Supramolecular Chemistry and Pattern Recognition", Jan. 9th 2006, Structural and Functional Organic Chemistry GRC, Santa Ynez CA.
- 147) "Physical Organic Chemistry of Molecular Recognition Processes", Dec. 18th, Pacific Chem., Honolulu, HI.
- 146) "A Marriage of Supramolecular Chemistry and Pattern Recognition", Dec. 17th, Pacific Chem., Honolulu, HI.
- 145) "Structural and Functional Assays for Boronic Acids", Dec. 15th, Pacific Chem., Honolulu, HI.
- 144) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match, Nov. 14th, Univ. of Toledo, Toledo Ohio.
- 142) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", Oct. 10th, Wuhan University, Wuhan, China.
- 141) "Supramolecular Chemistry and Pattern Recognition: A Complementary Match", Sept. 15th, Washington University, St. Louis MO.
- 140) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" June 16th, University of Turku, Finland.
- 139) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" June 13th, Symposium on Synthetic Receptors, Lund Sweden.

- 138) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" May 28th, Merck Pharmaceuticals, Rahway NJ.
- 137) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" April 15^h, University of Zurich.
- 136) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" April 14th, University of Geneva.
- 135) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" April 12th, Swiss School on Supramolecular Chemistry.
- 134) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" March 9th, Univ. Mass. Amherst.
- 133) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" March 8th 2005, Brown University.
- 132) "Organic Chemistry Approaches to Single and Multi Analyte Sensing" Nov. 17th, Cal. State Univ. Northridge.
- 131) "A Marriage of Supramolecular Chemistry and Pattern Recognition" Nov. 4th, Brauman-Bell Lecture, Baylor College of Dentistry, Dallas TX.
- 130) "A Marriage of Supramolecular Chemistry and Pattern Recognition" Oct. 8th, Marquette University.
- 129) "A Marriage of Supramolecular Chemistry and Pattern Recognition" Sept. 8th 2004, SCT meeting, Prague, Czech Rep..
- 128) "A Marriage of Supramolecular Chemistry and Pattern Recognition" July 27th, XII ISSC, Notre Dame University.
- 127) "Organic and Organometallic Approaches to Molecular Sensing" July 12th, University of Bristol, England.
- 126) "Organic and Organometallic Approaches to Molecular Sensing" July. 8th, Bioanalytical Gordon Conference, Queen's College Oxford England.
- 125) "Organic and Organometallic Approaches to Molecular Sensing" July. 5th, Organic Mechanisms Conference, University College Dublin Ireland.
- 124) "Organic and Organometallic Approaches to Molecular Sensing" July. 2nd, Trinity College Dublin Ireland.
- 123) "Organic and Organometallic Approaches to Molecular Sensing" July. 1st, Queen's College Belfast Ireland.
- 122) "Organic and Organometallic Approaches to Molecular Sensing" June. 14th, Bioorganic Gordon Conference, Protor Academy.
- 121) "Organic and Organometallic Approaches to Molecular Sensing" June. 1st, London Ontario Canada, Canadian Chemical Society Meeting.
- 120) "Organic and Organometallic Approaches to Molecular Sensing" Mar. 31st, Simon Fraser Univ.
- 119) "Organic and Organometallic Approaches to Molecular Sensing" Mar. 30th, Univ. British Columbia.
- 118) "Organic and Organometallic Approaches to Molecular Sensing" Mar. 29th, Univ. of Victoria.
- 117) "Organic and Organometallic Approaches to Molecular Sensing" Mar. 28th, Anaheim ACS meeting.
- 116) "Organic and Organometallic Approaches to Molecular Sensing" Mar. 19th, University of Houston.
- 115) "Organic and Organometallic Approaches to Molecular Sensing" Jan. 27th, Laval University.
- 114) "RNA Hydrolysis and Catalysis of Cleavage" Jan. 26th, Laval University.
- 113) "Uses of Indicator-Displacement Assays", Jan. 15th, 2004, Sundial Beach Resort, NSF Young Supramolecular Chemist Conference.
- 112) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" Dec. 8th, U.C.S.D.
- 113) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" Nov. 3rd, Halliburton Corporation.
- 112) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" University of Montana, Oct. 20th
- 111) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" Oct. 17th Montana State University
- 110) "Organic Chemistry Approaches to Molecular Sensing", Sept. 18th, Georgia Tech.
- 109) "Organic Chemistry Approaches to Molecular Sensing" Sept. 8th, NYC ACS Meeting Symposium on Supramolecular Chemistry.
- 108) "Organic Chemistry Approaches to Molecular Sensing" April 28th, Astra Zeneca.
- 107) "Organic Chemistry Approaches to Molecular Sensing" April 28th, U. Alberta.

- 106) "The Power of Supramolecular Chemistry in Sensing" Jan. 30th, New Mexico State Univ.
- 105) "Organic Structures for Chemical Sensing" Dec. 4th, Texas Tech University
- 104) "Artificial Phosphodiesterases", Dec. 3rd, Texas Tech University
- 103) "Organic Structures for Chemical Sensing" Sept. 23rd, University of Pennsylvania.
- 102) "Organic Structures for Chemical Sensing" Sept. 6th UT Arlington 2002 Boston ACS Meeting.
- 101) "Organic Structures for Chemical Sensing" Aug. 18th 2002 Boston ACS Meeting.
- 100) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" May 23rd, 2002 North Dakota State University
- 99) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" April 11th, 2002 Notre Dame University.
- 98) "The Impact of Array Sensors on Supramolecular Chemistry" Symposium Honoring Roger Tsien, ACS Meeting, April 9th, 2002. Orlando Fl.
- 97) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" Jan. 24th, 2002 Clemson University.
- 96) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" Dec. 7th, 2001 University of Reno.
- 95) "Organic Chemistry Approaches to Single and Multi-Analyte Sensing" Nov. 8th, 2001 University of Utah.
- 94) "Organic Approaches to Sensor Development" NATO Conference on Sensing, Prague, Czech Rep. Sept 1st 2001.
- 93) "Anion Receptors", Chicago ACS meeting, Anion recognition symposium, Aug. 27th 2001.
- 92) "Organic Chemistry Approaches to Single and Multi Analyte Sensing", LSU, May 4th, 2001.
- 91) "Organic Chemistry Approaches to Single and Multi Analyte Sensing", Pharmacopeia, Mar. 22nd, 2001.
- 90) "Sensing in the Anslyn Group", Breslow Birthday Symposium, Mar. 23rd, New York.
- 89) "Application of Nano Technology to Diagnostics", AADR Conference, Chicago, Mar. 9th 2001.
- 88) "Organic Chemistry Approaches to Single and Multi Analyte Sensing", Colorado St. Univ., Jan. 23rd, 2001.
- 87) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", Pacific Chem., Honolulu Hawaii, Dec, 12th 2000
- 86) "Differential vs. Selective Sensing, a Fertile Ground for Combinatorial Chemistry", Conference on Combinatorial Chemistry in Molecular Recognition, Saarbrucken Germany, Dec. 9th 2000.
- 85) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", Rochester University, Sept. 30th 2000
- 84) "Single and Multi Analyte Sensing", ISSC 2000, Aug. 2nd, Fukuoka Japan
- 83) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", Rochester University, Sept. 29th 2000.
- 82) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", UT Southwestern Medical School
- 81) "Designed and Combinatorial Receptors", University of Pavia, Italy, April 18th, 2000.
- 80) "Designed and Combinatorial Receptors", University of Parma, Italy, April 17th, 2000.
- 79) "The Mammalian Sense of Taste, and Mimics Thereof" Germany Agricultural Society Conference, April 13th, 2000, Cologne.
- 78) "Designed and Combinatorial Receptors", University of Bonn, Germany, April 10th, 2000.
- 77) "Designed and Combinatorial Receptors", University of Munich, Germany, April 14th, 2000.
- 76) "Mimicking the Mammalian Sense of Taste", Spring ACS Meeting, San Francisco, ACS Symposium on Taste and Smell.
- 75) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", Penn. State University, Mar. 13th, 2000.
- 74) "Designed and Combinatorial Receptors", Gordon Research Conference on Sensors, Jan. 25th 2000, Ventura Ca.
- 73) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", University of North Carolina, Chapel Hill, Dec. 2nd 1999
- 72) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", North Carolina State University, Dec. 1st 1999
- 71) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", Arizona State University, Feb. 3rd 2000.
- 70) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", University Miss. St. Louis, Nov. 8th 1999.
- 69) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", Washington University, Nov. 8th 1999.

- 68) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", Texas A&M University, Sept. 10th 1999.
- 67) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", University of Texas at Austin, Oct. 14th 1999.
- 66) "Organic Chemistry Approaches to Single Analyte and Multianalyte Sensing", Carnegie Mellon University, Apr. 19th, 1999.
- 65) "Organic Approaches to Single Analyte and Multianalyte Sensing", University of Missouri, Kansas City, Feb. 24th, 1999
- 64) "From Single Analyte to Multi-Analyte Sensing Methodologies, Synthetic Receptors put to a Practical Use," ISPE Conference, Jan. 26th 1999
- 63) "From Single Analyte to Multi-Analyte Sensing Methodologies, Synthetic Receptors Put to a Practical Use", Virginia Commonwealth University, Nov. 10th, 1998
- 62) "From Single Analyte to Multi-Analyte Sensing Methodologies, Synthetic Receptors put to a Practical Use," University of Delaware, Oct. 27th, 1998
- 61) "From Single Analyte to Multi-Analyte Sensing Methodologies, Synthetic Receptors put to a Practical Use," Montana State University, Oct. 19th, 1998
- 60) "From Single Analyte to Multi-Analyte Sensing Methodologies, Synthetic Receptors put to a Practical Use", University of Montana, Oct. 16th, 1998
- 59) "From Single Analyte to Multi-Analyte Sensing Methodologies, Synthetic Receptors put to a Practical Use", NSF Workshop on Physical Organic Chemistry, June 1998
- 58) "The Site of Cleavage of Pyranosides, and New Sensing Methodologies" Wichita State University. Feb. 4th 1997.
- 57) "Supramolecular Catalysis: Reaction Mechanisms," Fifth Chemical Congress of North America, Cancun Mexico, Nov. 1997.
- 56) "Physical Organic Chemistry of Catalysis and Sensing", Scripps Institute for Chemical Sciences, La Jolla, CA, Oct. 24th 1997
- 55) "Sensor Based upon Synthetic Receptors", NSF Workshop on Physical Organic Chemistry, June 1997, Gold Lake Colorado
- 54) "Artificial Receptors as Catalysis and Sensors", Procter and Gamble Corp. May 1997
- 53) "Catalysts, Sensors, Mechanistic Probes: Molecular Recognition in Action." University of Oita, Oita Japan, Jan. 1997
- 52) "Catalysts, Sensors, Mechanistic Probes: Molecular Recognition in Action," University of Kyushu, Kyushu Japan, 1997
- 51) "Catalysts, Sensors, Mechanistic Probes: Molecular Recognition in Action." Kurume Research Center, Kurume Japan, Jan. 1997
- 50) "Catalysts, Sensors, Mechanistic Probes: Molecular Recognition in Action," University of Hiroshima, Hiroshima Japan, Jan. 1997
- 49) "Catalysts, Sensors, Mechanistic Probes: Molecular Recognition in Action." Ministry of Science and Education, Tsukuba Japan, Jan. 1997
- 48) "Enzymatic and Solution Acetal Hydrolysis Mechanisms," NSF Workshop, Squam Lake, NH. July 1996.
- 47) "Supramolecular Catalysis of Phosphoryl and Glycosyl Transfers", University of Arkansas, Fayetteville, Ark. Jan. 15th 1996
- 46) "Guanidinium Catalyzed Phosphoryl Transfers", Pacific Chemistry Conference, Dec. Honolulu, HA. 18th 1995.
- 45) "Methods in Combinatorial Libraries of RNA and Oligomeric Guanidiniums", Southwest Regional ACS Meeting Memphis Nov. 1995.
- 44) "Methods in Combinatorial Libraries of RNA and Oligomeric Guanidiniums", Procter and Gamble Corp. Cincinnati OH Sept. 25th 1995.
- 43) "Endocyclic vs. Exocyclic Cleavage of Pyranosides", NATO Conference on Bioorganic Chemistry, Johnstown, PA. May 18th 1995.
- 42) "Catalysis of Glycosyl and Phosphoryl Transfers", Purdue University, May 1st 1995.
- 41) "A Phosphorane pK_a Determined via Pulse Radiolysis", ACS Meeting, Anaheim CA, April 1995.
- 40) "Mechanistic Aspects of Supramolecular Catalysis", Syracuse University, Syracuse, NY, Jan. 24th 1995.
- 39) "Mechanistic Aspects of Supramolecular Catalysis", Clinical Diagnostic Systems Incorporated, Rochester N.Y. Jan. 26th 1995.
- 38) "Mechanistic Aspects of Supramolecular Catalysis", Rochester University, Rochester, NY, Jan. 27th 1995.

- 37) "Mechanistic Aspects of Supramolecular Catalysis", McGill University, Montreal, Quebec, Canada, Oct. 4th 1994.
- 36) "Mechanistic Aspects of Supramolecular Catalysis", University of Montreal, Montreal, Quebec, Canada, Oct. 5th 1994.
- 35) "Mechanistic Aspects of Supramolecular Catalysis", Sherbrooke University, Sherbrooke, Quebec, Canada, Oct. 3rd 1994.
- 34) "Mechanistic Aspects of Supramolecular Catalysis", Eli Lilly Corp. Indianapolis, IN, June 30th 1994.
- 33) "Mechanistic Aspects of Supramolecular Catalysis", University of Wisconsin, Madison, May 19th 1994.
- 32) "Artificial Restriction Endonucleases", Searle Scholars Conference, Chicago, May 16th 1994.
- 31) "Mechanistic Aspects of Supramolecular Catalysis", Massachusetts Institute of Technology, Boston MA. May 9th 1994.
- 30) "Mechanistic Aspects of Supramolecular Catalysis", Polaroid Corporation, Boston MA. May 6th 1994.
- 29) "Mechanistic Aspects of Supramolecular Catalysis", University of Illinois, Urbana-Champaign, IL. May 4th 1994.
- 28) "Mechanistic Aspects of Supramolecular Catalysis", University of Pennsylvania, Philadelphia Penn. May 2nd 1994.
- 27) "Mechanistic Aspects of Supramolecular Catalysis" Smith-Kline, Beecham, Philadelphia Penn. April 29th 1994.
- 26) "Mechanistic Aspects of Supramolecular Catalysis Stanford University", Palo Alto, CA. April 20th 1994.
- 25) MARION MERRILL DOW LECTURE "Mechanistic Aspects of Supramolecular Catalysis", University of California, Berkeley CA. April 19th 1994.
- 24) "Mechanistic Aspects of Supramolecular Catalysis", University of California, Los Angeles CA. April 14th 1994.
- 23) "Mechanistic Aspects of Supramolecular Catalysis", California Institute of Technology, Pasadena CA. April 13th 1994.
- 22) "Mechanistic Aspects of Supramolecular Catalysis", Texas A & M University, Dec. 9th 1993.
- 21) "Mechanistic Aspects of Supramolecular Catalysis", Alcon Corp. Dec. 8th, 1993.
- 20) "Organic Catalysts for RNA Hydrolysis", Genta Incorporation, San Diego, CA August 10th 1993.
- 19) "Catalysis of Phosphodiester Hydrolysis by Bis-Guanidinium Receptors", XVIII International Symposium on Macrocyclic Chemistry, University of Twente, Netherlands, July 1993.
- 18) "Polyazaclefts for Molecular Recognition and Catalysis", Strasbourg University, France, July 1993.
- 17) "Polyazaclefts for Molecular Recognition and Catalysis", University of Munich, July 1993.
- 16) "Phosphodiester Hydrolysis Catalysts", 76th Canadian Chemical Conference, Sherbrooke, Quebec, June 1993.
- 15) "Physical Organic Studies of Biological Relevance", NSF Reactive Intermediates Conference, Lake Tahoe, June 1993.
- 14) "Polyaza Clefts for Molecular Recognition and Catalysis", New York University, March 5th 1993.
- 13) "Phosphodiester Hydrolysis Catalysts", ICI Pharmaceuticals, March 8th 1993.
- 12) "Polyaza Clefts for Molecular Recognition and Catalysis", SUNY Stony Brook, March 4th 1993.
- 11) "Polyaza Clefts for Molecular Recognition and Catalysis", Columbia University, March 3rd 1993.
- 10) "Molecular Recognition of Carbohydrates, Enolates, and Phosphodiesters", U.T. Arlington, Nov. 1992.
- 9) "Molecular Recognition of Carbohydrates, Enolates, and Phosphodiesters", Carnegie Mellon University, Nov. 1992.
- 8) "Complexation of Reactive Intermediates", XVII International Symposium Macrocyclic Chemistry, Provo, UT August 1992.
- 7) "Molecular Recognition of Carbohydrates, Enolates, and Phosphodiester", Hiroshima University, July 1992.
- 6) "Molecular Recognition of Carbohydrates, Enolates, and Phosphodiesters", Tokyo Institute of Technology, July 1992.
- 5) "General Acid Catalysts for Phosphodiester Cleavage", XIII International Symposium of Molecular Recognition and Inclusion, July 26th 1992, Kyoto Japan.
- 4) "Phosphodiester Receptors for a Variety of Solvents", Short Talk, Bioorganic Gordon Conference, Plymouth State College, June 1992.
- 3) "Polyaza Clefts for Molecular Recognition Purposes", University of Houston, April 3rd 1992.
- 2) "Synthesis of Polyazaclefts for Bioorganic Studies", Princeton University, April 26th 1991.
- 1) "Ribonuclease A Mimics", The University of Texas at Dallas, Nov. 31st 1990.

Research Support:
PAST SUPPORT

1. National Science Foundation, High Risk Research Program, "Mixed Valent Molecular Ferromagnets," 1990-1991, \$50,000.
2. National Science Foundation, Post-Doctoral Research Supplement, "Carbohydrate Complexing Agents", 1989-1990, \$32,000.
3. Texas Advanced Technology Program "Degradation of Aromatic Pollutants by an Artificial Oxidase", 1989-1991, \$105,000.
4. Texas Advanced Technology Program "Molecular Recognition Driven Co-Facial Assembly of Metallomacrocycles", 1989-1991, \$125,000.
5. The Robert A. Welch Foundation (F-1151) "Selective and Asymmetric Catalytic Olefin Hydrogenation", June 1st 1989-May 31st 1992; \$75,000.
6. Searle Foundation "Artificial Restriction Endonucleases", March 1st 1991-Feb. 28th 1994 \$162,000. One-year extension granted.
7. Camille and Henry Dreyfus Foundation (NF-89-35) "Bioorganic Catalyst Development", Sept. 1st 1989-Aug. 31 1994, \$25,000.
8. Monsanto Corporation "Research Support Donation as Part of Presidential Young Investigator Program", \$10,000 1990.
9. Texas Advanced Technology Program, "Rationally Designed Degradation Enzymes for Aromatic Pollutants", 1992-1994, \$160,409 (Co-PI with Jon Robertus).
10. North Atlantic Treaty Organization "Receptors for Co-Factor Hydrolysis", 1993-1994, \$12,000 (Co-PI with Franz Schmittchen in Munich, Germany).
11. National Science Foundation, Presidential Young Investigator Award (CHE-9057208) "Development of Artificial Enzymes", Nov. 1st 1990-Oct. 31st 1995, \$125,000 (base), \$375,000 (with matching funds).
12. National Institutes of Health "Carbohydrate Artificial Receptors and Mechanistic Probes", 1994-1997, \$270,000.
13. National Institutes of Health "Artificial Metallonucleases", 1994-1997, \$270,000
14. Texas Advanced Technology, "On-Line Sensors for the Analysis of Common Beverage Additives", 1998-2000, \$150,000.
15. National Institutes of Health "The Development of an Electronic Tongue" (E. Anslyn, PI: total for four groups), (E. Anslyn, PI: total for four groups) 1998-2001, \$783,008.
16. National Science Foundation – NER Program "Molecular Duplex Formation" (M. Krische P.I., total for two groups), (M. Krische P.I., total for two groups), 2002-2004, \$100,000.
17. Army Research Office, MURI, "Texas Consortium for the Development of Biological Sensors", \$2,999,000 (A. Ellington, PI; total for 10 groups) 05/01/1999-04/30/2004.
18. Beckman Foundation Technologies Initiative "Center for the Design and Fabrication of Sensor Arrays", \$2,500,000 (J. Shear, PI; total for 8 groups) 7/99 - 6/04.
19. National Science Foundation "Artificial Metalloenzymes for RNA Hydrolysis", \$310,000, 9/01/00-8/30/03.
20. Department of Defense "Anion Receptors and Selectors", PI with Co-PI Jonathan Sessler, \$350,000, 2000-2003.
21. National Science Foundation, "Multi-Modal Miniature Microscopes", Rebecca Richard-Kortum, PI, with three Co-PIs, 303,000, 2000-2003.
22. National Institutes of Health "Further Development of the UT Electronic Tongue" (E. Anslyn, PI: total for four groups), (E. Anslyn, PI: total for four groups) 2002-2006, \$900,000.
23. National Institutes of Health "Model Studies of Low Barrier Hydrogen Bonds in Catalysis", 2002-2006, \$750,000.
24. National Institutes of Health "Micro-Array Analysis of Saliva" (PI with 7 other co-PI's), (PI with 7 other co-PI's), 2002-2006, \$4,000,000.
25. National Institutes of Health "The Molecular Recognition of Urine" 2005-2006, \$100,000.
26. Welch Foundation "TI-3D" 07/06/07-12/31/07, \$100,000.
27. Welch Foundation "Creating Configurationally Stable Phosphoranes" 06/01/07-05/31/10, \$150,000.
28. Henry Ford Health & Hosp Svcs "Sponsored Research" 06/01/07-05/31/10, \$80,000.
29. Beacon/Emergent "Chemically Induced Electron Exchange Luminescence(CIEEL)" 03/01/07-02/28/08, \$90,000.
30. NSF-DFG "Optical Methods for EE Analysis of Simple Carboxylic Acids" 09/01/06-08/31/10, \$429,00.
31. Welch Foundation "Peptides as Differential Sensors" 06/01/07-05/31/10", \$150,000.

CURRENT SUPPORT

Funding Agency	Project Title	Project Period	Total Project Amount	Annual Project	PI or Co-PI
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				Amount	
NIH	Refining & Implementing Supramolecular Methods for HTS of EE and Concentration	09/01/10 – 08/31/14	\$977,988	\$244,497	PI
WELCH	Fingerprinting Glucuronides	06/01/12 – 05/31/13	\$120,000	\$82,710	PI
NIH	Advanced Studies of Molecular Recognition Processes	08/01/08 – 07/31/13	\$1,012,325	\$255,600	PI
NAVY	Chemical and Protein Receptors for Explosives Detection	08/01/09 – 09/30/13	\$77,902	\$77,902	Co-PI
NSF	Mechanistic and Catalytic Studies of Reversible Covalent Bonding	07/01/12 – 06/30/15	\$405,000	\$135,000	PI
NIH	Synthesis of chemical libraries to optimize inhibitory compounds	08/01/07 – 07/31/13	\$212,850	\$70,950	Co-PI

Past Students and Post-doctoral Associates and Current Positions

Lisa S. Flatt (MS)	3M Company, Research Associate, MN
Dr. Katsuhiko Ariga	Advanced Materials Lab National Institute For Materials Science
Dr. Xiaohong Chen	MCM Company, Research Scientist, Burnet, TX
Dr. Carol Dallaire	National Research Council Canada
Dr. Anne Kelly-Rowley	Dow Chemical Company. Midland, MI
Kathy Miller (MS)	University of Texas, Lecturer
Sheila Ziphel (MS)	Syntex, Research Scientist, Palo Alto, CA
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Dr. Jennifer Liras	Pfizer Corporation, Staff Scientist
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Dr. Diane Kneeland	University of Texas, Austin, TX
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Dr. Robert Hanes	Beacon Sciences, Austin Texas
Dr. Tim Snowden	University of Alabama, Tuscaloosa, AL
Dr. Mineo Hashizume	Tokyo University of Science, Japan
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Dr. John Lavigne	Professor, University of South Carolina
Dr. Sheryl Wiskur	Professor, University of South Carolina
Dr. Suzanne Toby	Angewandte Chemie Int'l., Weinheim, Germany

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Dr. Paola Gomez-Tagle	Professor, University of Mexico, Mexico City
Dr. Zhenlin Zhong	Professor, Wuhan University, China
Dr. Anna Piatek	Professor, University of Warsaw, Poland
Dr. Frantz Folmer-Andersen	SUNY New Paltz
Dr. Michael Best	University of Tennessee, Knoxville, TN
Dr. Patricia Bishop	Purdue University, Lafayette, IL
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Dr. Mark Gray	University of Sunderland, UK
Dr. Mineo Hashizumi	Technology Graduate School of Materials Science, Japan
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Dr. Kochar Anurada	Perkin Elemer LAS, Waltham, MA
Dr. Ben Nguyen	BASF Corp, Pasadena, Texas
Dr. Brenda Postnikova	Grenoble, France
Dr. Jun Sumaoka	Graduate School of Engineering, Tokyo, Japan
Dr. Karl Wallace	University of Southern Mississippi, Hattiesburg, MI
Dr. Aaron Wright	PNNL
Dr. Joy Wu	Gilead Sciences, Foster City CA
Dr. Andrew Hughes	Dow Chemical, Springhouse PA
Dr. Nicola Edwards	Rollins College
Dr. Tian Zhang	Cargill Corporation
Dr. Himali Hewage	Professor, Austin Community College
Dr. Byron Collins	Dallas Fire Department
Dr. Masanori Kitamura	Kanazawa University, Associate Professor
Dr. Amanda Hargrove	Assistant Professor, Duke University
Dr. Diana Leung	Lecturer, University Alabama
Dr. Sonia Nieto	University of Zaragoza
Dr. Charles Yang	Professor, East China University of Science and Technology
Dr. Marco Bonizzoni	Professor, University of Alabama
Dr. Shagufta Shabbir	Lecturer, University of Texas
Colin Kubarych	Private Mountain Climbing Instructor, Austin TX
Dr. Chance Rainwater	Rice University, Tech Transfer Office
Dr. Marc Maynor	Deceased
Dr. Sung-Ok Kang	Oakridge National Laboratories
Dr. Aravandin Ponnu	Post-doc, University of Texas at Austin
Dr. Justin Dragna	Titralyte, Austin TX
Dr. Jeff Pruett	Post-doc, UT Austin
Dr. Michelle Adams Ivy	Invista S.a.r.l. Columbia S.C.
Dr. Leo Joyce	Merck Pharmaceuticals, Rahway N.J.
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