Ognjen Š. Miljanić

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EDUCATION

2005 PhD in Chemistry—University of California, Berkeley
Research Advisor: Professor K. Peter C. Vollhardt
Dissertation: Synthetic and Structural Studies of Phenylenes and Dehydrobenzannulenes
2000 Diploma in Chemistry—University of Belgrade (Serbia)

PROFESSIONAL EXPERIENCE

2014–present Associate Professor of Chemistry—University of Houston (UH)
2015 Visiting Associate Professor of Chemistry—New York University, Abu Dhabi
2009–2014 Assistant Professor of Chemistry—University of Houston
2008–2009 Research Assistant Professor of Chemistry—University of Houston
2005–2008 Postdoctoral Associate—University of California, Los Angeles (UCLA)
Research Advisor: Professor Sir J. Fraser Stoddart (Nobel Laureate in Chemistry, 2016)
2001–2005 Research and Teaching Assistant—University of California, Berkeley

HONORS AND AWARDS

2016 Honorary Membership, Israel Chemical Society
2014 UH John C. Butler Teaching Excellence Award
2014 UH Award for Excellence in Research and Scholarship
2013 Cottrell Scholar Award, Research Corporation for Science Advancement
Featured in *Physics Today* and *Chemical & Engineering News*.
2013 Early Excellence Profile—*Journal of Physical Organic Chemistry*
2012 UH Teaching Excellence Award
2012 NSF CAREER Award
2011 Thieme Chemistry Journal Award
2010 ACS Greater Houston Section Younger Chemist of the Year Award
2008 Postdoctoral Research Excellence Award—UCLA
2004 Graduate Division Travel Award—University of California, Berkeley
2000 Best Chemistry Student Award—Office of the Rector, University of Belgrade
2000 Student of the Generation Award—University of Belgrade
2000 DAAD Summer Exchange Fellow—University of Leipzig, Germany
1999–2000 Serbian Academy of Arts and Sciences Fellow
1999 Serbian Government's Foundation for the Development of Science Fellow
1998–1999 Ministry of Education of the Republic of Serbia Fellow

PUBLICATIONS produced at UH

70. Miljanić, O. Š.* "The Bubble That Won't Burst: Subprime Crisis in the US Higher Education," *Chronicle of Higher Education*, submitted on 02/06/2017.
69. Zhang, Z.; Hashim, M. I.; Miljanić, O. Š.* "Aggregation-induced Emission in Precursors to Porous Molecular Crystals," *Chem. Commun.* submitted on 05/16/2017.

68. Hahn, S.; Alrayyani, M.; Sontheim, A.; Wang, X.; Rominger, F.; Miljanić, O. Š.*; Bunz, U. H. F.* "Synthesis and Characterization of Heterobenzenacyclooctaphanes Derived from Cyclotetrabenzoin," *Chem. Eur. J.* **2017**, accepted, doi: 10.1002/chem.201701125.
    Cover page of *Chemistry—A European Journal*.
67. Miljanić, O. Š.* "Small-Molecule Systems Chemistry," *Chem* **2017**, *2*, 502–524.
66. Chen, T.-H.*; Popov, I.; Miljanić, O. Š.* "Zirconium Macrocyclic Metal-Organic Framework with Predesigned Shape-Persistent Apertures," *Chem. Eur. J.* **2017**, *23*, 286–290.
65. Hsu, C.-W.; Miljanić, O. Š.* "Kinetically Controlled Simplification of a Multiresponsive [10×10] Dynamic Imine Library," *Chem. Commun.* **2016**, *52*, 12357–12359.
64. Hashim, M. I.; Hsu, C.-W.; Le, H. T. M.; Miljanić, O. Š.* "Organic Compounds with Porous Crystal Structures," *Synlett* **2016**, *27*, 1907–1918.
63. Hsu, C.-W.; Miljanić, O. Š.* "Self-Sorting through Dynamic Covalent Chemistry," in *Dynamic Covalent Chemistry: Principles, Reactions, and Applications*, (Ed.: Zhang, W.), Wiley, **2017**.
62. Ji, Q.; Le, H. T. M.; Wang, X.; Chen, Y.-S.; Makarenko, T.; Jacobson, A. J.; Miljanić, O. Š.* "Cyclotetrabenzoin: Facile Synthesis of a Shape-Persistent Molecular Square and Its Assembly into Hydrogen-Bonded Nanotubes," *Chem. Eur. J.* **2015**, *21*, 17205–17209.
61. Chen, T.-H.; Popov, I.; Kaveevivitchai, W.; Chuang, Y.-C.; Chen, Y.-S.; Jacobson, A. J.; Miljanić, O. Š.* "Mesoporous Fluorinated Metal-Organic Frameworks with Exceptional Adsorption of Fluorocarbons and CFCs," *Angew. Chem. Int. Ed.* **2015**, *54*, 13902–13906.
    Selected as a *Hot Paper*.
60. Smith, M. K.; Miljanić, O. Š.* "Arylene Ethynylene Macrocycles: From Molecular Hosts to Components of High-Performance Supramolecular Architectures," *Org. Biomol. Chem.* **2015**, *13*, 7841–7845.
59. Chen, T.-H.; Kaveevivitchai, W.; Jacobson, A. J.; Miljanić, O. Š.* "Adsorption of Fluorinated Anesthetics within the Pores of a Molecular Crystal," *Chem. Commun.* **2015**, *51*, 14096–14098.
58. Ji, Q.; Do, L. H.; Miljanić, O. Š.* "Cyclotribenzoin," *Synlett* **2015**, *26*, 1625–1627.
    Included in the special issue of *Synlett* dedicated to Prof. K. Peter C. Vollhardt.
57. Le, H. T. M.; El-Hamdi, N. S.; Miljanić, O. Š.* "Benzobisimidazole Cruciform Fluorophores," *J. Org. Chem.* **2015**, *80*, 5210–5217.
56. Zhang, Z.; Kim, D. S.; Lin, C.-Y.; Zhang, H.; Lammer, A.; Lynch, V. M.; Popov, I.; Miljanić, O. Š.; Anslyn, E. V.*; Sessler, J. L.* "Expanded Porphyrin-Anion Supramolecular Assemblies: Environmentally Responsive Sensors for Organic Solvents and Anions," *J. Am. Chem. Soc.* **2015**, *137*, 7769–7774.
    Cover page of the *Journal of the American Chemical Society*.
55. Chen, T.-H.; Popov, I.; Chuang, Y.-C.; Chen, Y.-S.; Miljanić, O. Š.* "A Mesoporous Metal-Organic Framework Based on a Shape-Persistent Macrocycle," *Chem. Commun.* **2015**, *51*, 6340–6342.
54. Hendon, C.; Wittering, K.; Chen, T.-H.; Kaveevivitchai, W.; Popov, I.; Butler, K. T.; Wilson, C. C.; Cruickshank, D.*; Miljanić, O. Š.*; Walsh, A.* "Adsorbate-Induced Piezochromism in a Porous Molecular Crystal," *Nano Lett.* **2015**, *15*, 2149–2154.
53. Hsu, C.-W.; Miljanić, O. Š.* "Adsorption-Driven Self-Sorting of Dynamic Imine Libraries," *Angew. Chem. Int. Ed.* **2015**, *54*, 2219–2222.
52. Popov, I.; Chen, T.-H.; Belyakov, S.; Daugulis, O.; Wheeler, S. E.; Miljanić, O. Š.* "The Macrocycle Embrace: Encapsulation of Fluoroarenes by a *m*-Phenylene Ethynylene Host," *Chem. Eur. J.* **2015**, *21*, 2750–2754.
    Inside back cover of *Chemistry—A European Journal*.
51. Chen, T.-H.; Popov, I.; Kaveevivitchai, W.; Chuang, Y.-C.; Chen, Y.-S.; Daugulis, O.; Jacobson, A. J.; Miljanić, O. Š.* "Thermally Robust and Porous Noncovalent Organic Framework with High Affinity for Fluorocarbons and Freons," *Nature Commun.* **2014**, *5*, doi: 10.1038/ncomms6131.

Highlighted in *Chemical & Engineering News*, *Nature Chemistry*, *EurekAlert!*, *Nanowerk*, *Economic Times*, *ChemEurope*, *Science Daily*, *Homeland Security News Wire*, and *Neomatica*.

50. Chen, T.-H.; Popov, I.; Kaveevivitchai, W.; Miljanić, O. Š.* "Metal-Organic Frameworks: Rise of the Ligands," *Chem. Mater.* **2014**, *26*, 4322–4325.
    Cover page of *Chemistry of Materials*.
49. Lirag, R. C.; Miljanić, O. Š.* "Four Acid-Catalysed Dehydrations Proceed Without Interference," *Chem. Commun.* **2014**, *50*, 9401–9404.
48. Saeed, M. A.; Le, H. T. M.; Miljanić, O. Š.* "Benzobisoxazole Cruciforms as Fluorescent Sensors," *Acc. Chem. Res.* **2014**, *47*, 2074–2083.
47. Chen, T.-H.*; Lee, S.; Flood, A. H.; Miljanić, O. Š. "How to Print a Crystal Structure Model in 3D," *CrystEngComm* **2014**, *16*, 5488–5493.
    Highlighted in *Chemical & Engineering News* and *Chemistry World*. Selected as *HOT CrystEngComm Article* in June 2014. Cover page of *CrystEngComm*. Most accessed *CrystEngComm* article in 2014.
46. Ji, Q.; El-Hamdi, N. S.; Miljanić, O. Š.* "Scent Transmutation: A New Way To Teach on Chemical Equilibrium, Distillation, and Dynamic Combinatorial Chemistry," *J. Chem. Educ.* **2014**, *91*, 830–833.
45. Ji, Q.; Lirag, R. C.; Miljanić, O. Š.* "Kinetically Controlled Phenomena in Dynamic Combinatorial Libraries," *Chem. Soc. Rev.* **2014**, *43*, 1873–1884.
44. Ji, Q.; Miljanić, O. Š.* "Distillative Self-Sorting of Dynamic Ester Libraries," *J. Org. Chem.* **2013**, *78*, 12710–12716.
43. Martínez-Martínez, V.*; Lim, J.; Bañuelos, J.; López-Arbeloa, I.; Miljanić, O. Š.* "Strong Intramolecular Charge Transfer Emission in Benzobisoxazole Cruciforms: Solvatochromic Dyes as Polarity Indicators," *Phys. Chem. Chem. Phys.* **2013**, *15*, 18023–18029.
42. Jo, M.; Lim, J.; Miljanić, O. Š.* "Selective and Sensitive Fluoride Detection through Alkyne Cruciform Desilylation," *Org. Lett.* **2013**, *15*, 3518–3521.
41. Schwaebel, T.; Lirag, R. C.; Davey, E. A.; Lim, J.; Bunz, U. H. F.*; Miljanić, O. Š.* "Qualitative Identification of Carboxylic Acids, Boronic Acids, and Amines Using Cruciform Fluorophores," *J. Vis. Exp.* **2013**, e50858, doi:10.3791/50858.
40. Chen, T.-H.; Popov, I.*; Zenasni, O.; Daugulis, O.; Miljanić, O. Š.* "Superhydrophobic Perfluorinated Metal–Organic Frameworks," *Chem. Commun.* **2013**, *49*, 6846–6848.
39. Lirag, R. C.; Le, H. T. M.; Miljanić, O. Š.* "L-Shaped Benzimidazole Fluorophores: Synthesis, Characterization and Optical Response to Bases, Acids and Anions," *Chem. Commun.* **2013**, *49*, 4304–4306.
    Included in the *2013 Emerging Investigators* special issue of *Chemical Communications*.
38. Lim, J.; Miljanić, O. Š.* "Benzobisoxazole Fluorophore Vicariously Senses Amines, Ureas, Anions," *Chem. Commun.* **2012**, *48*, 10301–10303.
37. Lim, J.; Osowska, K.; Armitage, J. A.; Martin, B. R.; Miljanić, O. Š.* "Critical Role of Weak [C–H···O] Hydrogen Bonds in the Assembly of Benzo[1,2-*d*:4,5-*d*′]bisoxazole Cruciforms into Supramolecular Sheets," *CrystEngComm* **2012**, *14*, 6152–6162.
    Included in the *New Talent Americas* special issue of *CrystEngComm*.
36. Lirag, R. C.; Osowska, K.; Miljanić, O. Š.* "Precipitation-Driven Self-Sorting of Imines," *Org. Biomol. Chem.* **2012**, *10*, 4847–4850.
35. Chen, T.-H.; Kaveevivitchai, W.; Bui, N.; Miljanić, O. Š.* "Triply Ferrocene-Bridged Boroxine Cyclophane," *Chem. Commun.* **2012**, *48*, 2855–2857.
    Included in the *Aromaticity* special issue of *Chemical Communications*.
34. Miljanić, O. Š.* "Reversible Covalent Chemistry: Alcohols in the Mix," *Nature Chem.* **2011**, *3*, 909–910.
33. Lim, J.; Nam, D.; Miljanić, O. Š.* "Identification of Carboxylic and Organoboronic Acids and Phenols with a

Single Benzobisoxazole Fluorophore," *Chem. Sci.* **2012**, *3*, 559–563.

Highlighted in *Materials World* and on the *Chemical Science* blog.

32. Lim, J.; Albright, T. A.; Martin, B. R.; Miljanić, O. Š.* "Benzobisoxazole Cruciforms: Heterocyclic Fluorophores with Spatially Separated Frontier Molecular Orbitals," *J. Org. Chem.* **2011**, *76*, 10207–10219.
31. Lim, J.; Miljanić, O. Š.* "Crystal Structures of 8-Arylethynyl Substituted Guanosine Derivatives: Are Hydrogen-Bonded Ribbons a Surprise?," *CrystEngComm* **2011**, *13*, 5309–5312.
30. Osowska, K.; Miljanić, O. Š.* "Self-Sorting of Dynamic Imine Libraries during Distillation," *Angew. Chem. Int. Ed.* **2011**, *50*, 8345–8349.

    Highlighted in *Nature Chemistry*.
29. Osowska, K.; Miljanić, O. Š.* "Kinetic and Thermodynamic Self-Sorting in Synthetic Systems," *Synlett* **2011**, 1643–1648.
28. Osowska, K.; Miljanić, O. Š.* "Oxidative Kinetic Self-Sorting of a Dynamic Imine Library," *J. Am. Chem. Soc.* **2011**, *133*, 724–727.
27. Osowska, K.; Miljanić, O. Š.* "Supramolecular Organization of Extended Benzobisoxazole Cruciforms," *Chem. Commun.* **2010**, *46*, 4276–4278.

PUBLICATIONS resulting from work prior to UH appointment

26. Eichberg, M. J.; Kayser, B.; Leonard, P. W.; Miljanić, O. Š.; Timofeeva, T. V.; Vollhardt, K. P. C.*; Whitener, G. D.; Yakovenko, A.; Yu, Y. "Radial (Tetracyclopentadienyl)cyclobutadiene Pentametals," *Inorg. Chim. Acta* **2011**, *369*, 32–39.
25. Li, Q.; Zhang, W.; Miljanić, O. Š.; Knobler, C. B.; Stoddart, J. F.*; Yaghi, O. M.* "A Metal-Organic Framework Replete with Ordered Donor-Acceptor Catenanes," *Chem. Commun.* **2010**, *46*, 380–382.
24. Zhao, Y.-L.; Liu, L.; Zhang, W.; Sue, C.-H.; Li, Q.; Miljanić, O. Š.; Yaghi, O. M.*; Stoddart, J. F.* "Rigid Struts Containing Crown Ethers and [2]Catenanes for Incorporation into Metal Organic Frameworks," *Chem. Eur. J.* **2009**, *15*, 13356–13380.

    Selected as cover page of *Chemistry European Journal* **2009**, *15*, issue 48.
23. Li, Q.; Zhang, W.; Miljanić, O. Š.; Sue, C.-H.; Zhao, Y.-L.; Liu, L.; Knobler, C. B.; Stoddart, J. F.*; Yaghi, O. M.* "Docking in Metal-Organic Frameworks," *Science* **2009**, *325*, 855–859.

    Highlighted in *Chemical & Engineering News*, *Nature Chemistry*, *Chemistry World*, and *ChemPhysChem*.
22. Yoon, I.; Benítez, D.; Miljanić, O. Š.; Zhao, Y.-L.; Tkatchouk, E.; Goddard, W. A. III*; Stoddart, J. F.* "Rigidity-Stability Relationship in Interlocked Model Complexes Containing Phenylene-Ethynylene-Based Disubstituted Naphthalene and Benzene," *Cryst. Growth Des.* **2009**, *9*, 2300–2309.
21. Yoon, I.; Benítez, D.; Zhao, Y.-L.; Miljanić, O. Š.; Kim, S. Y.; Tkatchouk, E.; Leung, K. C.-F.; Khan, S. I.; Goddard, W. A. III*; Stoddart, J. F.* "Functionally Rigid and Degenerate Molecular Shuttles," *Chem. Eur. J.* **2009**, *15*, 1115–1122.
20. Dichtel, W. R.; Miljanić, O. Š.; Zhang, W.; Spruell, J. M.; Patel, K.; Aprahamian, I.; Heath, J. R.*; Stoddart, J. F.* "Kinetic and Thermodynamic Approaches for the Efficient Formation of Mechanical Bonds," *Acc. Chem. Res.* **2008**, *41*, 1750–1761.
19. Yoon, I.; Miljanić, O. Š.; Benítez, D.; Khan, S. I.; Stoddart, J. F.* "An Interdigitated Functionally Rigid [2]Rotaxane," *Chem. Commun.* **2008**, 4561–4563.
18. Patel, K.; Miljanić, O. Š.; Stoddart, J. F.* "Iodide-Catalysed Self-Assembly of Donor-Acceptor [3]Catenanes," *Chem. Commun.* **2008**, 1853–1855.

    Highlighted in *Chemical Science*, and selected as cover page of *Chemical Communications*.
17. Miljanić, O. Š.; Dichtel, W. R.; Aprahamian, I.; Rohde, R. D.; Agnew, H. D.; Heath, J. R.*; Stoddart, J. F.* "Rotaxanes and Catenanes by Click Chemistry," *QSAR Comb. Sci.* **2007**, *26*, 1165–1174.

16. Miljanić, O. Š.; Stoddart, J. F.* "Dynamic Donor-Acceptor [2]Catenanes," *Proc. Natl. Acad. Sci. USA* **2007**, *104*, 12966–12970.
15. Aprahamian, I.; Miljanić, O. Š.; Dichtel, W. R.; Isoda, K.; Yasuda, T.; Kato, T.*; Stoddart, J. F.* "Clicked Interlocked Molecules," *Bull. Chem. Soc. Jpn.* **2007**, *80*, 1856–1869.
14. Miljanić, O. Š.; Dichtel, W. R.; Khan, S. I.; Mortezaei, S.; Heath, J. R.*; Stoddart, J. F.* "Structural and Co-Conformational Effects of Alkyne-Derived Subunits in Charged Donor-Acceptor [2]Catenanes," *J. Am. Chem. Soc.* **2007**, *129*, 8236–8246.
13. Braunschweig, A. B.; Dichtel, W. R.; Miljanić, O. Š.; Olson, M. A.; Spruell, J. M.; Khan, S. I.; Heath, J. R.*; Stoddart, J. F.* "Modular Synthesis and Dynamics of a Variety of Donor-Acceptor Interlocked Compounds Prepared by a Click Chemistry Approach," *Chem. Asian J.* **2007**, *2*, 634–647.
    Highlighted as one of the most highly cited articles in *Chemistry—An Asian Journal* for 2007–2008.
12. Miljanić, O. Š.; Dichtel, W. R.; Mortezaei, S.; Stoddart, J. F.* "Cyclobis(paraquat-*p*-phenylene)-Based [2]Catenanes Prepared by Kinetically Controlled Reactions Involving Alkynes," *Org. Lett.* **2006**, *8*, 4835–4838.
11. Dichtel, W. R.; Miljanić, O. Š.; Spruell, J. M.; Heath, J. R.*; Stoddart, J. F.* "Efficient Templated Synthesis of Donor-Acceptor Rotaxanes Using Click Chemistry," *J. Am. Chem. Soc.* **2006**, *128*, 10388–10390.
    One of the ten most-accessed communications in *Journal of the American Chemical Society* from July–September 2006, and selected as an *ACS Hot Paper* in May 2007.
10. Miljanić, O. Š.; Vollhardt, K. P. C.* "[*N*]Phenylenes: a Novel Class of Cyclohexatrienoid Hydrocarbons," in "Carbon-rich Compounds: Molecules to Materials"; Haley, M. M., Tykwinski, R. R., Eds.; Wiley-VCH: Weinheim, 2006; pp 140–197.
9. Zhu, B.; Miljanić, O. Š.; Vollhardt, K. P. C.*; West, M. J. "Synthesis of 2,2',3,3'-Tetramethyl- and 2,2',3,3'-Tetra-*t*-butylfulvalene: Attractive Platforms for Dinuclear Transition Metal Fragments, as Exemplified by $(\eta^5{:}\eta^5\text{-}2,2',3,3'\text{-}t\mathrm{Bu}_4\mathrm{C}_{10}\mathrm{H}_4)\mathrm{M}_2(\mathrm{CO})_n$ (M = Fe, Ru, Os, W). First X-ray Crystal Structures of Fulvalene Diiron and Diosmium Complexes," *Synthesis* **2005**, 3373–3379.
8. Miljanić, O. Š.; Holmes, D.; Vollhardt, K. P. C.* "1,3,6,9,12,14,17,20-Octaethynyltetra-benz[a,b,f,j,k,o]-4,5,10,11,15,16,21,22-octadehydro[18]-annulene: a Carbon Rich Hydrocarbon," *Org. Lett.* **2005**, *7*, 4001–4004.
7. Miljanić, O. Š.; Han, S.; Holmes, D.; Schaller, G. R.; Vollhardt, K. P. C.* "Hindered Rotation in an 'Exploded' Biphenyl," *Chem. Commun.* **2005**, 2606–2608.
6. Dosche, C.; Kumke, M. U.; Löhmannsröben, H.-G.*; Ariese, F.; Bader, A. N.; Gooijer, C.; Miljanić, O. Š.; Iwamoto, M.; Vollhardt, K. P. C.*; Puchta, R.; van Eikema Hommes; N. J. R. "Deuteration Effects on the Vibronic Structure of the Fluorescence Spectra and the Internal Conversion Rates of D_{3h} [4]Phenylene: A Case for Excited State π Symmetrization of a Cyclohexatriene," *Phys. Chem. Chem. Phys.* **2004**, *6*, 5476–5483.
5. Kumaraswamy, S.; Jalisatgi, S. S.; Matzger, A. J.; Miljanić, O. Š.; Vollhardt, K. P. C.* "Anatomy of a Cyclohexatriene: Chemical Dissection of the σ and π Frame of Angular [3]Phenylene," *Angew. Chem. Int. Ed.* **2004**, *43*, 3711–3715.
4. Bong, D. T.-Y.; Chan, E. W. L.; Diercks, R.; Dosa, P. I.; Haley, M. M.; Matzger, A. J.; Miljanić, O. Š.; Vollhardt, K. P. C.*; Bond, A. D.; Teat, S. J.; Stanger, A. "Syntheses of Syn and Anti Doublebent [5]Phenylene," *Org. Lett.* **2004**, *6*, 2249–2252.
3. Dosche, C.; Kumke, M. U.; Ariese, F.; Bader, A. N.; Gooijer, C.; Dosa, P. I.; Han, S.; Miljanić, O. Š.; Vollhardt, K. P. C.*; Puchta, R.; van Eikema Hommes, N. J. R. "Shpol'skii Spectroscopy and Vibrational Analysis of [*N*]Phenylenes," *Phys. Chem. Chem. Phys.* **2003**, *5*, 4563–4569.
2. Miljanić, O. Š.; Vollhardt, K. P. C.*; Whitener, G. D. "An Alkyne Metathesis-Based Route to *ortho*-Dehydrobenzannulenes," *Synlett* **2003**, 29–34.

1. Fiedler, D.; Miljanić, O. Š.; Welch, E. J.* "Dichlorooxo(N,N',N"-trimethyl-1,4,7-triazacyclo-nonane-κ^3N)vanadium(IV)," *Acta Cryst., Sect. E* **2002**, *E58*, m347–m348.

PUBLICITY AND TALKS TO GENERAL AUDIENCE

10. "UH chemists develop molecule to bind together greenhouse gases," *The Daily Cougar*, November 16, 2014
    discussing our paper on the fluorinated porous molecular crystals
9. "UH Moment: 3D Printers," interview to public radio station KUHF, March 26, 2014
    discussing my use of 3D printing to produce customized teaching models
    http://www.houstonpublicmedia.org/news/uh-moment-3d-printers/
8. "3D Printers Reshape University Teaching and Research," UH News, February 25, 2014
    discussing my use of 3D printing to produce customized teaching models
7. "Minor energizes students," *The Daily Cougar*, October 23, 2013 (front page)
    on occasion of launching UH Energy & Sustainability Minor
6. "New Chemical Routes to Materials for Sensing, Separation, and Energy Applications," May 22, 2013
    talk to the Serbian American Chamber of Commerce of Houston
5. "Chemist honored for high energy, stellar teaching," *The Daily Cougar*, May 22, 2013
    on occasion of my 2013 Cottrell Scholar Award
4. "2013 Cottrell Scholars," *Physics Today*, May 2013
    on occasion of my 2013 Cottrell Scholar Award
3. "2013 Cottrell Scholars," *Chemical & Engineering News*, May 6, 2013 (inside cover)
    on occasion of my 2013 Cottrell Scholar Award
2. "Professor praised for research, teaching," *The Daily Cougar*, March 7, 2013 (front page)
    on occasion of my 2013 Cottrell Scholar Award
1. "Assistant professors awarded grants," *The Daily Cougar*, February 14, 2012 (front page)
    on occasion of my 2012 NSF CAREER Award

CITATIONS

Google Scholar: 2247; *h*-index: 27 Web of Science: 1976; *h*-index: 26

PATENTS produced at UH

5. Miljanić, O. Š.; Ji, Q. "Cyclobenzoins," US Application No. 62/135,931, filed on March 20, 2015.
4. Miljanić, O. Š.; Chen, T.-H.; Kaveevivitchai, W. "Adsorption of Fluorinated Anesthetics Within the Pores of Molecular Crystals," US Application No. 62/090,494, filed on December 11, 2014.
3. Miljanić, O. Š.; Chen, T.-H.; Popov, I.; Kaveevivitchai, W.; Daugulis, O. "Thermally Robust, Highly Porous, and Partially Fluorinated Organic Framework With Exceptional Affinity For Hydrocarbons, Fluorocarbons and Freons," US Application No. 61/994,482, filed on May 16, 2014.
2. Ji, Q.; Miljanić, O. Š. "Iterative Reactive Distillation of Dynamic Ester Libraries," US Application No. 61/836,350, filed on June 18, 2013.

PATENTS resulting from work prior to UH appointment

1. Yaghi, O. M.; Stoddart, J. F.; Li, Q.; Miljanić, O. Š.; Zhang, W. "Chemical framework composition and methods of use," US 20110137025 A1; International patent: WO2009149381A3.

INVITED ORAL PRESENTATIONS

84. Georgetown University; Washington, DC; 5 Oct 2017

83. 1st International Symposium on Porous Organic Polymers (POPs, keynote); Zhangjiajie, China; 2 Sep 2017
82. 7th International Conference on Nanoscience and Technology (ChinaNANO); Beijing, China; 31 Aug 2017
81. International Symposium on Macrocyclic and Supramolecular Chemistry (keynote); Cambridge, UK; 6 Jul 2017
80. Supramolecular Chemistry Ireland; Dublin, Ireland; 28 Jun 2017
79. A Golden Age for Chemistry, honoring Fraser Stoddart's 75th birthday; Nottingham, UK; 25–28 Jun 2017
78. ACS Symposium on Functional Porous Materials for Sustainable Energy; San Francisco (CA); 4 Apr 2017
"Porous Materials for Capture of Fluorinated Guests"
77. Ulm University; Ulm, Germany; 16 Mar 2017
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
76. Ruprecht-Karls-Universität Heidelberg; Heidelberg, Germany; 15 Mar 2017
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
75. Technische Universität Dresden; Dresden, Germany; 14 Mar 2017
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
74. Lamar University; Beaumont, TX; 10 Feb 2017
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
73. 9th Singapore International Chemical Conference (SICC-9); Singapore, Singapore; 12 Dec 2016
"Porous Molecular Crystals"
72. Indiana University; Bloomington, IN; 18 Oct 2016
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
71. Serbian Academy of Sciences and Arts (SANU); Belgrade, Serbia; 08 Jun 2016
"Porous Molecular Crystals"
70. 47th ACS Central Regional Meeting; Covington, KY; 19 May 2016
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
69. University of Houston, Department of Electrical and Computer Engineering; Houston, TX; 25 Mar 2016
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
68. 81st Annual Meeting of the Israel Chemical Society (keynote), Texas delegation; Tel Aviv, Israel; 10 Feb 2016
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
67. Universidade Federal do Rio de Janeiro; Rio de Janeiro, Brazil; 15 Dec 2015
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
66. Universidade Federal Fluminense; Niterói, Brazil; 14 Dec 2015
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
65. Universidade Estadual de Campinas; São Paulo, Brazil; 10 Dec 2015
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
64. Molecular Foundry at the Lawrence Berkeley National Laboratory; Berkeley, CA; 22 Oct 2015
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Molecular Crystals"
63. 21st International Symposium on Fluorine Chemistry; Como, Italy; 28 Aug 2015
"Fluorinated Porous Materials: From Metal-Organic Frameworks to Porous Molecular Crystals"
62. Nanyang Technological University; Singapore, Singapore; 02 Jul 2015
"MOFs without Metals and Other Stories"
61. International Conference on Materials for Advanced Technologies; Singapore, Singapore; 01 Jul 2015
"Fluorinated Porous Materials"
60. Gordon Research Conference: Physical Organic Chemistry, discussion leader; Holderness, NH; 26 Jun 2015
59. Telluride Science Workshop on Metal-Organic Frameworks; Telluride, CO; 15 Jun 2015
"MOFs without Metals"
58. Qatar University; Doha, Qatar; 11 May 2015

"Complexity in Solution and Solids: Ion Sensing, Self-Sorting Mixtures, and Porous Molecular Crystals"

57. Uppsala Universitet; Uppsala, Sweden; 24 Apr 2015
"Complexity in Solution and Solids: From Self-Organizing Mixtures to Porous Molecular Crystals"
56. Academy of Sciences of the Czech Republic; Prague, Czech Republic; 20 Apr 2015
"Complexity in Solution and Solids: From Self-Organizing Mixtures to Porous Molecular Crystals"
55. Freie Universität Berlin; Berlin, Germany; 17 Apr 2015
"Complexity in Solution and Solids: From Self-Organizing Mixtures to Porous Molecular Crystals"
54. Masdar Institute; Abu Dhabi, United Arab Emirates; 14 Apr 2015
"Porous Fluorinated Molecular Crystals"
53. Université Paris-Sud 11; Orsay, France; 10 Apr 2015
"Complexity in Solution and Solids: From Self-Organizing Mixtures to Porous Molecular Crystals"
52. New York University Abu Dhabi; Abu Dhabi, United Arab Emirates; 09 Feb 2015
"Complexity in Solution and Solids: From Self-Organizing Mixtures to Porous Molecular Crystals"
51. Encuentro de Química Supramolecular (plenary); Mexico City, Mexico; 25 & 26 Aug 2014
"Ordered Porous Materials Based on Fluorinated and Macrocyclic Building Blocks"
"Self-Sorting of Dynamic Combinatorial Libraries"
50. ACS Fresenius Award Symposium in Honor of William Dichtel; San Francisco, CA; 11 Aug 2014
"Extensively Fluorinated Porous Materials"
51. Summer School on Applied Supramolecular Chemistry; Belgrade, Serbia; 28 & 29 Jul 2014
"Ordered Porous Materials Based on Fluorinated and Macrocyclic Building Blocks"
"Self-Sorting of Dynamic Combinatorial Libraries"
48. Fudan University; Shanghai, China; 6 Jun 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
47. Hong Kong Baptist University; Hong Kong, China; 4 Jun 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
46. Jilin University; Changchun, China; 2 Jun 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
45. Seoul National University; Seoul, South Korea; 29 May 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
44. Korea Advanced Institute of Science and Technology; Daejeon, South Korea; 26 & 27 May 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
43. ACS Inorganic Supramolecular Chemistry Symposium; Dallas, TX; 16–20 Mar 2014
"Metal-Organic Frameworks Based on Extensively Fluorinated and Dehydrobenzannulenic Linkers"
42. University of Oregon; Eugene, OR; 14 Mar 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
41. Oregon State University; Corvallis, OR; 13 Mar 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
40. University of Washington; Seattle, WA; 12 Mar 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
39. Wesleyan University; Middletown, CT; 31 Jan 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
38. Dartmouth College; Hannover, NH; 30 Jan 2014
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
37. University of Texas at Austin; Austin, TX; 22 Nov 2013
"Self-Sorting and Compartmentalization in Dynamic Combinatorial Libraries"
36. ACS Young Academic Investigator Symposium; Indianapolis, IN; 8 Sep 2013

"Self-Sorting of Dynamic Combinatorial Libraries under Irreversible Physical and Chemical Stimuli"

35. National University of Singapore; Singapore, Singapore; 26 Jul 2013
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
34. Nanyang Technological University; Singapore, Singapore; 25 Jul 2013
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
33. Int'l Symposium on Macrocyclic and Supramolecular Chemistry; Arlington, VA; 9 Jul 2013
"High-Fidelity Self-Sorting of Dynamic Combinatorial Libraries"
32. Telluride Science Workshop on Shape-Responsive Fluorophores; Telluride, CO; 12 Jun 2013
"Cross-Conjugated Benzobisoxazoles and Benzimidazoles as Versatile Fluorescent Sensors"
31. University of Belgrade; Belgrade, Serbia; 7 Jun 2013
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
30. University of Houston Innov8 Teaching Innovation Lecture Series; Houston, TX; 03 May 2013
"Impacting Education through Technology: From Distance Learning to Customized Hands-On Models"
29. Southern Illinois University; Carbondale, IL; 22 Mar 2013
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
28. University of Illinois, Chicago; Chicago, IL; 21 Mar 2013
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
27. Royal Institute of Technology (KTH); Stockholm, Sweden; 15 Mar 2013
26. University of Southern California; Los Angeles, CA; 05 Mar 2013
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
25. University of California, San Diego; San Diego, CA; 04 Mar 2013
"Reversibility at Work and Play: From Dynamic Cruciform Sensors to Metal-Organic Frameworks"
24. San Diego State University; San Diego, CA; 01 Mar 2013
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
23. University of California, Riverside; Riverside, CA; 28 Feb 2013
"Reversibility at Work and Play: From Dynamic Cruciform Sensors to Metal-Organic Frameworks"
22. University of Southern Denmark (Syddansk Universitet); Odense, Denmark; 29 Jan 2013
"Regulated Equilibria and Compartmentalization in Synthetic Chemistry"
21. Baylor University; Waco, TX; 16 Nov 2012
"Reversibility at Work and Play: From Dynamic Cruciform Sensors to Metal-Organic Frameworks"
20. Texas A&M University; College Station, TX; 11 Oct 2012
"Reversibility at Work and Play: From Dynamic Cruciform Sensors to Metal-Organic Frameworks"
19. The University of Texas at Dallas; Richardson, TX; 07 Sep 2012
"To Benzazoles and Back: Cruciform Fluorophores and Dynamic Self-Sorting Libraries"
18. Ruprecht-Karls-Universität Heidelberg; Heidelberg, Germany; 02 Jul 2012
"To Benzazoles and Back: From Self-Organizing Imine Mixtures to Cruciform Fluorophores"
17. Louisiana State University; Baton Rouge, LA; 03 Apr 2012
"Benzazoles as Broad-Spectrum Fluorescent Sensors and Components of Self-Sorting Systems"
16. King Abdullah University of Science and Technology; Thuwal, Saudi Arabia; 05 Feb 2012
"Benzazoles as Broad-Spectrum Fluorescent Sensors and Components of Self-Sorting Systems"
15. Universidad de Guanajuato; Guanajuato, Mexico; 12 May 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
14. Tulane University; New Orleans, LA; 18 Apr 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
13. University of New Orleans; New Orleans, LA; 15 Apr 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"

12. University of South Carolina; Columbia, SC; 7 Apr 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
11. California NanoSystems Institute at UCSB; Santa Barbara, CA; 1 Apr 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
10. Texas Tech University; Lubbock, TX; 9 Mar 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
9. University of Texas, El Paso; El Paso, TX; 4 Mar 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
8. Trinity University; San Antonio, TX; 27 Jan 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
7. Texas State University; San Marcos, TX; 26 Jan 2011
"To Benzazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
6. University of St. Thomas; Houston, TX; 15 Nov 2011
"Formation and Destruction of Yugoslavia"
5. Universitat Autònoma de Barcelona (UAB); Barcelona, Spain; 11 Jul 2010
"To Benzoxazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
4. Northwestern University, Center for Chemistry of Integrated Systems; Evanston, IL; 29 May 2010
"To Benzoxazoles and Back: Conjugated Cruciforms and Kinetic Self-Sorting"
3. Centro de Investigación y de Estudios Avanzados (CINVESTAV); Mexico City, Mexico; 7 Dec 2009
"Control in the Synthesis of Mechanically Interlocked Molecules"
2. Universidad Nacional Autonóma de México (UNAM); Mexico City, Mexico; 4 Dec 2009
"Control in the Synthesis of Mechanically Interlocked Molecules"
1. 65th Southwest Regional American Chemical Society Meeting; El Paso, TX; 5 Nov 2009
"Engineering MOFs for Molecular Recognition"

RESEARCH FUNDING—a total of $2,525,425

Nation-Wide Competition

24. PI: Stanko R. Branković, co-PIs: Ognjen Š. Miljanić, Lars C. Grabow
"Monolayer Catalyst as Transformative Concept for Efficient Electrolytic Hydrogen Isotope Separation"
Sponsor: National Science Foundation CBET
Amount: $388,526 ($92,818 to Miljanić) Funding period: 09/01/2016–08/31/2019
23. PI: Ognjen Š. Miljanić, co-PI: Olafs Daugulis
"Porous Molecular Crystals and Metal-Organic Frameworks Based on Fluorinated Pyrazoles"
Sponsor: National Science Foundation DMR
Amount: $450,000 ($227,393 to Miljanić) Funding period: 06/01/2015–05/31/2018
22. PI: Ognjen Š. Miljanić, 5 other co-PIs
"3D MoChI: Three-Dimensional Printed Models for Chemistry Instruction"
Sponsor: Research Corporation for Science Advancement, Cottrell Scholar Award
Amount: $25,000 Funding period: 09/01/2014–08/31/2016
21. PI: Ognjen Š. Miljanić
"Lessons from Nature: Compartmentalization, Reaction Discovery, and Parallel Synthesis in Kinetically Self-Sorting Libraries"
Sponsor: Research Corporation for Science Advancement, Cottrell Scholar Award
Amount: $75,000 Funding period: 06/01/2013–05/31/2016
20. PI: Ognjen Š. Miljanić

"CAREER: Kinetic Self-Sorting of Dynamic Combinatorial Libraries"
Sponsor: National Science Foundation CHE
Amount: $600,000 Funding period: 06/01/2012–05/31/2017

19. PI: Ognjen Š. Miljanić
"Control of Interpenetration in Metal-Organic Frameworks via Spatial Protecting Groups"
Sponsor: Petroleum Research Fund Doctoral New Investigator Program (PRF-DNI)
Amount: $100,000 Funding period: 08/01/2010–08/31/2012

State-Wide Competition

18. PI: Ognjen Š. Miljanić
"Robust Porosity in Molecular Crystals"
Sponsor: Robert A. Welch Foundation
Amount: $240,000 Funding period: 06/01/2017–05/31/2020
17. PI: Ognjen Š. Miljanić
"Shape-Persistent Fluorophores Based on Benzimidazoles and Tetrasubstituted Silanes"
Sponsor: Texas Higher Education Coordinating Board, Texas Research Incentive Program (TRIP)
Amount: $72,890 Funding period: 12/01/2016–11/30/2019
16. PI: Ognjen Š. Miljanić
"Shape-Persistent Fluorophores Based on Benzimidazoles and Tetrasubstituted Silanes"
Sponsor: Robert A. Welch Foundation
Amount: $180,000 Funding period: 06/01/2014–05/31/2017
15. PI: Ognjen Š. Miljanić
"Conjugated Benzobisoxazole Cruciforms as Fluorescent Sensors in Solution and Solid State"
Sponsor: Robert A. Welch Foundation
Amount: $170,000 Funding period: 06/01/2011–05/31/2014

University-Wide Competition

14. PI: Ognjen Š. Miljanić
"Resthetics: Recycling of Fluorinated Anesthetics Using Noncovalent Organic Framework Adsorbents"
Sponsor: UH Technology Gap Funding
Amount: $50,000 Funding period: 06/01/2016–05/31/2017
13. PI: Ognjen Š. Miljanić
"Cyclobenzoin Derivatives as Experimental Models for Graphene Defects"
Sponsor: Grants to Advance and Enhance Research (GEAR)
Amount: $29,509 Funding period: 06/01/2016–05/31/2017
12. PI: Ognjen Š. Miljanić
"Fluorinated Porous Materials: From Light Emitting Materials to Oxygen Delivery"
Sponsor: Grants to Advance and Enhance Research (GEAR)
Amount: $30,000 Funding period: 06/01/2014–05/31/2015
11. PI: Ognjen Š. Miljanić, co-PIs: Don M. Coltart, Jeremy A. May
"New Laboratory Course on Advanced Synthetic Chemistry"
Sponsor: QEP Curriculum Development Grant Program
Amount: $20,000 Funding period: 06/01/2013–05/31/2015
10. PI: Ognjen Š. Miljanić
"Benzobisazole Cruciforms as General Optical Sensing Platforms"

Sponsor: Small Grants Program
Amount: $3,000 Funding period: 01/01/2013–12/31/2013

9. PI: Ognjen Š. Miljanić
"Benzobisazole Cruciforms as General Optical Sensing Platforms"
Sponsor: Small Grants Program
Amount: $3,000 Funding period: 01/01/2012–12/31/2012
8. PI: Ognjen Š. Miljanić
"Benzobisazole Cruciforms as General Optical Sensing Platforms"
Sponsor: Small Grants Program
Amount: $3,000 Funding period: 01/01/2011–12/31/2011
7. PI: Ognjen Š. Miljanić, co-PI: Stanko R. Branković
"Comparison of Energy Efficiencies of Houston's Residential Subdivisions"
Sponsor: QEP Curriculum Development Grant Program
Amount: $11,250 ($9,250 to Miljanić) Funding period: 06/01/2010–05/31/2011
6. PI: Ognjen Š. Miljanić
"CHEM4397: Hybrid Online/Classroom Course on Energy Issues"
Sponsor: Faculty Development Initiative Program A (FDIP A)
Amount: $3,650 Funding period: 06/01/2010–05/31/2011
5. PI: Ognjen Š. Miljanić
"Reversible Synthesis of Benzoxazoles: A Route to Ion Receptors and Porous Materials"
Sponsor: Grants to Advance and Enhance Research (GEAR)
Amount: $25,000 Funding period: 06/01/2010–05/31/2011
4. PI: Ognjen Š. Miljanić
"Avoiding Interpenetration in the Synthesis of Ultrahigh Porosity Materials"
Sponsor: New Faculty Research Program
Amount: $6,000 Funding period: 01/01/2010–12/31/2010
3. PI: Ognjen Š. Miljanić
"Nanospace Engineering through Guanine Self-Assembly"—renewal
Sponsor: Texas Center for Superconductivity at the University of Houston (TcSUH)
Amount: $20,000 Funding period: 09/01/2009–09/01/2010
2. PI: Ognjen Š. Miljanić
"Degradable Polymers as an Ultra-Responsive Sensing Platform in Space Flight Applications"
Sponsor: Institute for Space Systems Operations (ISSO)
Amount: $9,600 Funding period: 06/01/2009–08/31/2009
1. PI: Ognjen Š. Miljanić
"Nanospace Engineering through Guanine Self-Assembly"
Sponsor: Texas Center for Superconductivity at the University of Houston (TcSUH)
Amount: $10,000 Funding period: 09/01/2008–09/01/2009

DEGREES AWARDED

Chia-Wei Hsu	PhD, April 2016
Ha T. M. Le	PhD, November 2015
Qing Ji	PhD, August 2015
Rio Carlo Lirag	PhD, August 2015
Teng-Hao Chen	PhD, July 2014
Jaebum Lim	PhD, December 2012
Xiao Liang	MS, August 2015
Minyoung Jo	MS, June 2013

SUPERVISED CO-WORKERS

Postdoctoral Scholars

Dr. Merry K. Smith	December 2014–July 2015
Dr. Ljubodrag V. Vujisić	November 2014–May 2015
Dr. Musabbir A. Saeed	April 2013–April 2014
Dr. Nikola Ž. Knežević	January 2010–October 2010
Dr. Karolina Osowska	March 2009–April 2011

Graduate Students

Jialun Zhang	Fall 2016–present
Corrie Peterson	Fall 2015–present
Andrew Eisterhold	Fall 2015–present
Zhenglin Zhang	Fall 2015–present
Maymounah Alrayyani	Spring 2015–present
Mohamed Hashim	Fall 2013–present, advanced to candidacy in Nov 2015
Xiao Liang	Fall 2012–Summer 2015, MS 2015
Chia-Wei Hsu	Fall 2011–Fall 2016, PhD 2016
Ha T. M. Le	Spring 2011–Spring 2016, PhD 2015
Minyoung Jo	Fall 2010–Summer 2013, MS 2013
Qing Ji	Fall 2010–present, PhD 2015
Rio-Carlo Lirag	Fall 2010–Summer 2015, PhD 2015
Teng-Hao Chen	Fall 2009–Fall 2014, PhD 2014
Jaebum Lim	Fall 2008–Fall 2012, PhD 2012

Undergraduate Students

Wessam Barkoudeh	January 2017–present
Christina Tillett	January 2017–present
Fran Tumaran	January 2017–present
Christopher Wong	January 2015–December 2015
Juan Ahumada Castillo	January–April 2016
Nadia Elhamdi	May 2013–May 2015
Andrew Eisterhold	January 2013–December 2013
Blessing Adodo	May 2013–August 2013
Brenda Gutierrez Ramos	May 2012–July 2012
Nghia Bui	Spring 2011–Spring 2012
Nicholas Eastham	Fall 2009–Fall 2011

Dušan Kolarski	July 2010–October 2010
Jovana Milić	July 2010–October 2010
Thao Shirley Nguyen	Fall 2009–Fall 2010

High School Students

Kevin Baltazar	July 2012–August 2012, *ACS SEED Scholar*
Luis Rodriguez	July 2012–August 2012, *ACS SEED Scholar*
Dolly Nam	June 2011–July 2011, *Welch Summer Scholar*
Pritee Tembhekar	June 2009–July 2009, *Welch Summer Scholar*

COURSES TAUGHT

Study Abroad: RENEWABLE ENERGY IN ICELAND
Summer 2017

ENRG 3310: Introduction to Energy and Sustainability www.enrg3310.com
Spring 2017; Fall 2016; Spring 2016; Fall 2015; Fall 2014; Spring 2014; Fall 2013

CHEM 4397: Energy Consumption, Production, and Conservation www.chem4397.com
Spring 2013; Fall 2011; Fall 2010

CHEM 3331: Fundamentals of Organic Chemistry I www.chem3331.com
Fall 2016; Fall 2015; Fall 2014; Fall 2013; Fall 2012; Fall 2011; Fall 2010; Fall 2009; Spring 2009

CHEM 6353: Physical Organic Chemistry www.chem6353.com
Spring 2017; Spring 2016; Spring 2014; Spring 2012; Spring 2010; Fall 2008

ACADEMIC LEADERSHIP TRAINING

Attended the 2017 Academic Leadership Training (ALT2017) workshop in Washington DC

SERVICE ACTIVITIES

Within the University

UH Athletic Advisory Committee for Provost	Fall 2016–Fall 2018
NSM John Butler Teaching Award Committee	Spring 2016
UH Children's Learning Center (CLC) Advisory Board	Fall 2014–Fall 2015
Graduate Research and Scholarship Day, Steering Committee	Fall 2014
Faculty in Residence, Cougar Village 1	Spring 2014–present
Advisory Board for the UH Minor in *Energy and Sustainability*	Fall 2013–present
Health Professions Advisory Committee	Fall 2013–Fall 2016
Faculty Senator	Fall 2013–Fall 2016
Faculty Senate, Member of the Undergraduate Committee	Fall 2013–Fall 2016
College of Natural Sciences & Mathematics Dean Search Committee	Spring 2013
"Friends of NSM" Student Award Committee	Spring 2013

Within the Department of Chemistry

Polymer Chemistry Faculty Search Committee	Spring 2014
Materials Chemistry Faculty Search Committee	Fall 2013
Polymer Chemistry Faculty Search Committee	Fall 2012
Departmental Seminar Coordinator	Fall 2011–Summer 2013
Graduate Studies Committee	Fall 2008–Fall 2012
Organic Division Seminar Coordinator	Fall 2009–Fall 2010

Faculty Liaison for Student-Coordinated Seminars Fall 2009–present

Member of numerous (>50) Oral Research Progress, MS Thesis, and PhD Dissertation Committees in the Departments of Chemistry, Computer & Electrical Engineering, and Chemical Engineering

In the Broader Scientific Community

Associate editor for *RSC Advances*

Guest editor for the 2017 ISMSC issue of *Supramolecular Chemistry*

Panelist for funding proposal review for the *National Science Foundation* (*NSF*)

Reviewer of funding proposals for the *National Science Foundation* (*NSF*), *Army Research Office (ARO), American Chemical Society Petroleum Research Fund (ACS-PRF), European Research Council (ERC)*, Singapore's *Agency for Science, Technology and Research (A*STAR), Research Corporation for Science Advancement, Netherlands Organisation for Scientific Research (NWO), Polish National Science Centre, New York University Abu Dhabi (NYUAD),* and *Louisiana Board of Regents*

Reviewer of manuscripts for *Nature Chemistry, Nature Communications, Angewandte Chemie, Accounts of Chemical Research, Journal of the American Chemical Society, Chemical Science, Journal of Organic Chemistry, Chemistry—A European Journal, Chemical Communications, Organic Letters, Pure and Applied Chemistry, Chemical Society Reviews, Crystal Growth & Design, Macromolecules, Synlett, Organic & Biomolecular Chemistry, Inorganic Chemistry, Tetrahedron Letters, RSC Advances, Asian Journal of Organic Chemistry, ACS Applied Materials & Interfaces, Nanotechnology Reviews, Current Organic Chemistry, Dalton Transactions, Journal of Materials Chemistry C, Supramolecular Chemistry, ACS Sustainable Chemistry & Engineering, Chemistry of Materials, Journal of Fluorine Chemistry, Beilstein Journal of Organic Chemistry, Journal of Chemical Education, New Journal of Chemistry, European Journal of Inorganic Chemistry, Journal of Physical Chemistry,* and *Nanoscale*

Member of the editorial board of the *Journal of Crystallography*

Session chair at the 241st American Chemical Society National Meeting & Exposition

Session chair at the 65th Southwest Regional American Chemical Society Meeting

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Chemical Society, Royal Society of Chemistry, Serbian Chemical Society, Israel Chemical Society

CONSULTING ACTIVITIES

W. H. Freeman & Company, Oxford University Press, McGraw–Hill Companies, Taylor & Francis Group, W. W. Norton & Company, Houston Marathon