

## Patrick C. Still, Ph.D.

Currently in the Los Angeles Metro area

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### PROFESSIONAL EXPERIENCE

Aug. 2015-present

Assistant Professor (Tenure-track), Department of Chemistry and Biochemistry, California State University, Dominguez Hills, Carson, California

- Managed NIH/NIGMS-funded independent research project as *Principle Investigator* (grant number: 1SC2GM122721-01, Discovery of Natural Products from Botanical Sources) and presented research at the Southern California Users of Magnets (SCUM) meeting held at University of Southern California.
- Supervised laboratory cell culture technician, Ms. Abrar Alsaadi on the maintenance of three human cancer cell lines for grant 1SC2GM122721-01.
- Published refereed research manuscript, Waseem M, Williams JQL, Thangavel A, Still PC, Ymele-Leki P (2019) A structural analog of ralfuranones and flavipenes promotes biofilm formation by *Vibrio cholerae*. PLoS ONE 14(4): e0215273. <https://doi.org/10.1371/journal.pone.0215273>
- Served as a reviewer on peer-review journals: *Molecules* and *Marine Drugs*
- Served as peer-reviewer for NIH/NIGMS Synthetic and Biological Chemistry B (SBCB) Study section to review R01/R21/R15 proposals, Bethesda, MD; NIH/NCCIH Botanical Dietary Supplements Research Centers (BDSRC) Study section to review U19/U41 program project proposals.
- Established the *Nuclear Magnetic Resonance (NMR) Facility* on the CSUDH campus by leading the purchase, building-space allocation, departmental user training and on-going maintenance of a \$400,000 400 MHz JEOL NMR spectrometer with Royal broadband probe.
- Taught graduate-level NMR course (topic: Organic Structure Analysis) at University of Southern California upon invite from Professor Travis Jesse Williams, Department of Chemistry
- Managed W.M. Keck Foundation undergraduate research grant as *Principle Investigator* for project titled "Spectroscopy Advancement Laboratories for Diverse Students' STEM Success (SALDS3), \$275,000.
- Served as Interim Department Chair for the Department of Chemistry & Biochemistry at CSUDH during the Fall 2019 and Winter 2019 term.

January 2009-January 2010

American Chemical Society Publications, Journal of Natural Products Central Office, Columbus, OH

- Operated the American Chemical Society (ACS) Paragon Plus manuscript submission system for publication of peer-reviewed manuscripts.
- Assigned submitted manuscripts to associate editors under direction of Editor-in-Chief, A. Douglas Kinghorn.

- Selected for attendance at the 2010 American Chemical Society (ACS) *Summer Institute for Technology Development* in Washington, DC and presented a proposal for a cross-platform compatible format for chemical structures to be developed by ACS using cloud- computing.

## **EDUCATION and TRAINING**

May 2013-May 2015

Postdoctoral Associate, University of California, Santa Cruz, Dept. of Chemistry and Biochemistry

- Awarded NIH/NCI Diversity Supplement Fellowship (FOA: PA-12\_149).
- Awarded the Carl Storm Underrepresented Minority Travel Fellowship to attend the Gordon Research Conference in Ventura, CA (2014).
- Facilitated UCSF Sandler Neuroscience Center collaboration to discover lead-compounds from gram-negative marine bacteria with potential as glucagon-like peptide-1 receptor (GLP-1R) agonists.
- Training in high-field solution NMR methods and organic structure analysis of marine natural products.
- Planned and contributed to the writing of an NIH *Center for Advancing Natural Products Innovation and Technology* (CANPIT) grant focused on innovation in natural products drug discovery programs.
- Served as instructor for 30 undergraduate students in the Minority Baccalaureate Bridge to the Biomedical Sciences Program (ACCESS).

May 2007-May 2013 (Ph.D.)

The Ohio State University, Columbus, OH, College of Pharmacy, Dept. of Medicinal Chemistry and Pharmacognosy

- Awarded Raymond Duskotch Fellowship in Natural Products Chemistry.
- Training in NMR structure elucidation, mass spectrometry, ethnomedicinal uses of botanicals, botanical dietary supplements, and pharmacognosy.
- Selected for participation in the Mary Frances Picciano Dietary Supplement Research Practicum at NIH/ODS, Bethesda, MD, to review toxicological evaluations, exposure assessments, food safety, and conformity with the Food Safety Modernization Act (FSMA) which resulted in an in-depth perspective on the need to standardize and control dietary supplement ingredients.
- Dissertation title: *Cytotoxic alkaloids from *Microcos paniculata* with activity at neuronal nicotinic receptors* (Medicinal Chemistry, 2013)

May 2003-May 2007 (B.S.)

Virginia Commonwealth University, Richmond, VA

Major: Biochemistry

- Awarded American Society of Plant Biologists Summer Research Grant.
- Presented undergraduate research at the Richmond Chromatography Group monthly discussion section.
- Quantified flavonoids in *Gunnera manicata* L. using HPLC-DAD detection and chemometric methods implemented in the MatLab® programming environment.

## PUBLICATIONS IN REFERRED JOURNALS

Complete List of Published Work in MyBibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/1TM6mUnshGsQq/bibliography/50279962/public/?sort=date&direction=ascending>

1. Wan-Ling Chiu, Gerald A. Peters, Germain Levieille, Patrick C. Still, Sarah Cousins, Bruce Osborne, and Jeff Elhai (2003). Nitrogen Deprivation Stimulates Symbiotic Gland Development in *Gunnera manicata*. *Plant Physiology* 139:224-230.
2. David M. Lucas, Patrick C. Still, Lynette Bueno Pérez, Michael R. Grever, and A. Douglas Kinghorn (2010). Potential of Plant-Derived Natural Products in the Treatment of Leukemia and Lymphoma. *Current Drug Targets* 11: 812-822. (Invited review article)
3. Yulin Ren, Min Wei, Patrick C. Still, Shunzong Yuan, Youcai Deng, Xiaozhuo Chen, Klaus Himmeldirk, A. Douglas Kinghorn, and Jianhua Yu (2012). Synthesis and Antitumor Activity of Ellagic Acid Peracetate. *ACS Medicinal Chemistry Letters* 3: 631-636.
4. Patrick C. Still, Bitna Yi, Ryan Pavlovicz, Tatiana F. González-Cestari, Li Pan, Hee-Byung Chai, Tran Hgoc Ninh, Djaja D. Soejarto, Chenglong Li, James R. Fuchs, Dennis McKay, and A. Douglas Kinghorn (2013). Alkaloids from *Microcos paniculata* L. With Cytotoxic and Nicotinic Receptor Antagonistic Activities. *Journal of Natural Products* 76: 243-249.
5. Lynette Bueno Pérez, Patrick C. Still, C. Benjamin Naman, Yulin Ren, Li Pan, Hee-Byung Chai, Esperanza J. Carcache de Blanco, Tran Ngoc Ninh, Bui Van Thanh, Steven M. Swanson, Djaja D. Soejarto, and A. Douglas Kinghorn (2014). Investigation of Vietnamese Plants for Potential Anticancer Agents. *Phytochemistry Reviews* 1-13.
6. Patrick C. Still, Tyler A. Johnson, and Phillip Crews (2014). Scrutinizing the Scaffolds of Marine Biosynthetics from Different Source Organisms: Gram-Negative Cultured Bacterial Products Enter Center Stage. *Journal of Natural Products* 77: 690-702. (Invited review article)
7. Tyler A. Johnson, Nicholas Lorig-Roach, Christine M. Theodore, Patrick C. Still, Joshua A. Schwochert, Marija Drašković, Cassandra N. Naphen, Christine M. Theodore, Mitchell S. Crews, Simone A. Barker, Steven L. Loveridge, Frederick A. Valeriote, Walter M. Bray, R. Scott Lokey, Hsiau W. Lee, and Phillip Crews. (2015) Biosynthetic Products from a Nearshore-Derived Gram-Negative Bacterium Enable Reassessment of the Kailuin Depsipeptides. *Journal of Natural Products* 78: 441-452.
8. Lorig-Roach, Nicholas; Still, Patrick; Coppage, David; Compton, Jennifer; Crews, Mitchell; Navarro, Gabriel; Tenney, Karen; Crews, Phillip. (2017) Evaluating Nitrogen-Containing Biosynthetic Products Produced by Saltwater Culturing of Several California Littoral Zone Gram-Negative Bacteria. *Journal of Natural Products*. 80, 8, 2304-2310.
9. Waseem, M; Williams, Jason; Thangavel, A; Still, Patrick C.; Ymele-Leki, Patrick (2019). A structural analog of ralfuranones and flavipesins promotes biofilm formation by *Vibrio cholerae*. *PLOS ONE*. 14(4): e0215273  
<https://doi.org/10.1371/journal.pone.0215273>

## **RESEARCH FUNDING AWARDED**

1. *American Society of Plant Biologists Summer Research Grant*, Richmond, VA (2005) - \$5000.00
2. *David F. Ingraham Fellowship in Chemistry*, VCU Department of Chemistry, Richmond, VA (2006) - \$3000.00
3. *National Capital Area Federation of Garden Clubs Scholarship*, Washington, DC (2006-2007) - \$4000.00
4. *Raymond Daskotch Fellowship in Natural Products Chemistry*, The Ohio State University College of Pharmacy, Columbus, OH (2010) - \$80,000.00
5. *American Society of Pharmacognosy Graduate Student Travel Award*, New York, NY (2012) - \$800.00
6. *NIH/NCI Diversity Supplement Fellowship* (FOA: PA-12\_149, University of California, Santa Cruz (2013) - \$129,969.00
7. *Carl Storm Underrepresented Minority Travel Fellowship*, Gordon Research Conference, Ventura, CA (2014) - \$800.00
8. *Faculty Sponsored Research and Creative Activity Support Program Award*, California State University, Dominguez Hills, Carson, CA (2017) - \$5500.00
9. *California State University Program for Education and Research in Biotechnology* (CSUPERB), Presidents' Commission Scholar Award, Mentorship, Carson, CA (2017) - \$8000.00
10. NIH/NIGMS 1SC2GM122721-01; Still (PI); 9/12/2017-08/31/2020 *Discovery of Natural Products from Botanical Sources* - \$438,000
11. *W.M. Keck Foundation*; Still (PI); "Spectroscopy Advancement Laboratories for Diverse Students' STEM Success (SALDS3), \$275,000 (2019)

## **ORAL AND POSTER PRESENTATIONS**

1. Chiu, W.L., Peters, G.A., Leveille, G., Still, P.C., Cousins, S., Osborne, B., and Elhai, J. (2004). The Role of Flavonoids in the *Gunnera-Nostoc* Symbiosis. University of Maryland Plant Molecular Biology Symposium (ATRIUM–*Arabidopsis thaliana* Research Initiative at University of Maryland). College Park, MD, USA. (poster presentation)
2. Still, P.C., Rutan, S.C., and Chiu, W.L. (2006). Chemical Profiling and Quantitation in the *Gunnera manicata* Stem Gland. Virginia Commonwealth University Department of Chemistry Graduate Poster Session. Richmond, VA, USA. (poster presentation)
3. Still, P.C., Pan, Li, Ninh, T.N., Soejarto, D.D., Chai, H., Fuchs, J.R., Carcache de Blanco, E.J., and Kinghorn, A.D. (2011). 52nd Annual Meeting of the American Society of Pharmacognosy. San Diego, CA, USA. (poster presentation)
4. Still, P.C., Yi, B., Pavlovicz, R., González-Cestari, T. F., Pan, L., Chai, H.-B., Ninh, T. H., Soejarto, D. D., Li, C., Fuchs, J. R., McKay, D., Kinghorn, A. D. Alkaloids From *Microcos paniculata* With Cytotoxic and Non-competitive Nicotinic Receptor Antagonistic Activities. International Congress on Natural Products Research

(ICNPR) (2012) New York, NY. (oral presentation)

5. Still, P.C. Chemical Look-a-Likes Across Sponges, Bacteria, and Plants: An Old Concept Inspires New Research. American Chemical Society Western Regional Meeting (2014) Santa Clara, CA. (oral presentation)
6. Still, P.C., Niadj, L., Milian-Lobo, L., Valeriote, F., Shamloo, M., Whistler, J., and Crews, P. Amalgamating Neurobiological Experimental Design with *Agelas*-Derived Cyclobutane Alkaloids to Study GPCR Receptor Modulation (2014). Gordon Research Conference on Marine Natural Products. Ventura, CA, USA. (poster presentation)
7. Still, P.C. Structurally Diverse Natural Products in Drug Discovery (2017). Southern California Users of Magnets (SCUM). University of Southern California (invited oral presentation)

## **PROFESSIONAL AFFILIATIONS**

- American Chemical Society (ACS)
- American Society of Pharmacognosy (ASP)
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)