

## Referred Publications

\* Denotes PI on papers, order of authors indicates relative intellectual contributions, where first author contributed the most after the PI contribution, § denotes invited book chapters, and Undergraduate authors are underlined

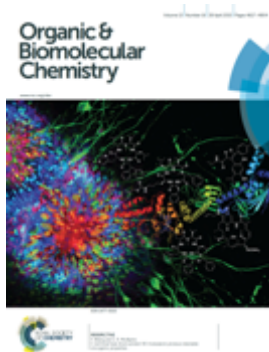
82. **Converting Polar cyclic peptides into cell permeable molecules using N-methylation** 2018 (UNSW)  
Leo L. H. Lee, Laura K. Buckton\* and Shelli R. McAlpine\*  
Invited research article in *Biopolymers: Peptide Science*, In Press Jan 2018 *Impact factor: 2.248*  
DOI: 10.1002/pep2.24063 2018;e24063
81. **Improving the cell permeability of polar cyclic peptides by replacing residues with alkylated amino acids, asparagines, and D-amino acids** 2018 (UNSW)  
Laura K. Buckton and Shelli R. McAlpine\*  
*Org. Lett.* In Press Jan 2018 DOI: 10.1021/acs.orglett.7b03363\_ *Impact factor: 6.579*
80. **Synthesis and structure-activity relationships of inhibitors that target the C-terminal MEEVD on Heat shock protein 90 (Hsp90)** 2018 (UNSW)  
Marwa N. Rahimi, Laura K. Buckton, Samantha S. Zaiter, Jessica Kho, Vickie Chan, Aldwin Guo, Jenane Konesan, SuHyeon Kwon, Lok K. O. Lam, Michael F. Lawler, Michael Leong, Gabriel D. Moldovan, David A. Neale, Gillian Thornton, and Shelli R. McAlpine\*  
*ACS Med. Chem. Lett.* In Press Dec 13, 2017 DOI: 10.1021/acs.orglett.7b03363 *Impact factor: 3.746*
79. **RITA mimics: Synthesis and mechanistic evaluation of asymmetric linked Trithiazoles** 2017 (UNSW)  
Adrian L. Pietkiewicz, Yuqi Zhang, Marwa N. Rahimi, Michael Stramandinoli, Matthew Teusner, and Shelli R. McAlpine\*  
*ACS Med. Chem. Lett.* V8 p401-406 *Impact factor: 3.746*
78. **Redefining the phenotype of Heat shock protein 90 (Hsp90) inhibitors** 2017 (UNSW)  
Yao Wang, Yen Chin Koay, and Shelli R. McAlpine\*  
*Chem. Eur. J.* V23 2010-2013 *Impact factor: 5.8*
77. **How selective are Hsp90 inhibitors for cancer cells over normal cells?** 2017 (UNSW)  
Yao Wang, Yen Chin Koay, and Shelli R. McAlpine\*  
*ChemMedChem* V12 p353-357 *Impact factor: 2.98*
- §76. **Allosteric Modulators of Heat Shock Protein 90 (HSP90)** 2017 (UNSW)  
Yen Chin Koay and Shelli R. McAlpine \*  
*RSC Drug discovery series: "Allosterism in Drug Discovery"* DOI: 10.1039/9781782629276, p404-426
75. **Reinventing Hsp90 inhibitors: Blocking C-terminal binding events to Hsp90 using dimerized inhibitors** 2016 (UNSW)  
Yen Chin Koay, Hendra Wahyudi Shelli R. McAlpine\*  
*Chem. Eur. J.* V22, p18572-18582 *Impact factor: 5.8*
74. **A novel class of Hsp90 C-terminal modulators have preclinical efficacy in prostate tumor cells without induction of a heat shock response** 2016 (UNSW)  
Heather K. Armstrong, Yen Chin Koay, Swati Irani, Rajdeep Das, Zeyad D. Nassar, The Australian Prostate Cancer Bio resource, Luke A. Set, Margaret M. Centenera, Shelli R. McAlpine\* and Lisa A. Butler\*  
*The Prostate* V76, p1546-1559 *Impact factor: 3.565*
73. **Hydrothermal synthesis of highly luminescent blue-emitting ZnSe(S) quantum dots exhibiting low toxicity** 2016 (UNSW)  
Fatemeh Mimajafizadeh, Deborah Ramsey, Shelli R. McAlpine, Fan Wang, Peter Reece, and John Arron Stride\*,  
*Mat. Science and Eng. C* V.64, p167-172 *Impact factor: 3.230*
72. **Hitting a moving target: How does an N-Methyl group impact biological activity?** 2016 (UNSW)  
Yen Chin Koay, Nicole L. Richardson, Samantha S. Zaiter, Jessica Kho, Sheena Y. Nguyen, Daniel H. Tran, Ka Wai Lee, Laura K. Buckton, , and Shelli R. McAlpine\*

71. **The first report of direct inhibitors that target the C-terminus MEEVD region on heat shock protein 90** 2016 (UNSW)  
Laura K. Buckton, Hendra Wahyudi, and Shelli R. McAlpine\*  
*Chem. Commun.* V52, p501-504 *Impact factor: 6.834*
- §70. **Hsp47: The new heat shock protein therapeutic target** 2016 (UNSW)  
George Sharbeen, Shelli R. McAlpine, Phoebe Phillips\*  
*Springer Books: "Heat shock Proteins: Success Stories"* DOI: 10.1007/7355\_2015\_89
- §69. **Are some Hsp90 therapies more effective than others? Evaluating dual Hsp90 and Hsp70 inhibition as an anticancer therapy** 2016 (UNSW)  
Laura K Buckton, Yao Wang, Jeanette R. McConnell, and Shelli R. McAlpine\*  
*Springer Books: "Heat shock Proteins: Success Stories"* DOI: 10.1007/7355\_2015\_96.
- §68. **Heat shock protein 27: structure, function, cellular Role and inhibitors** 2016 (UNSW)  
Rashid Mehmood\* and Shelli R. McAlpine\*  
*Springer Books: "Heat shock Proteins: Success Stories"* DOI: 10.1007/7355\_2015\_94
- §67. **Targeting the c-terminus of heat shock protein 90 as a cancer therapy** 2016 (UNSW)  
Jeanette R McConnell, Yao Wang, Shelli R. McAlpine\*  
*Springer Books: "Heat shock Proteins: Success Stories"* DOI: 10.1007/7355\_2015\_93
66. **Synthesis of the natural product Marthiapeptide A** 2015 (UNSW)  
Yuqi Zhang, Amirul Islam, and Shelli R. McAlpine\*  
*Org. Lett.* V17, p5149-5151 *Impact factor: 6.364*
65. **Blocking the heat shock response and depleting HSF-1 levels through heat shock protein 90 (hsp90) inhibition: A significant advance over current chemotherapies** 2015 (UNSW)  
Yen Chin Koay, Jeanette R. McConnell, Yao Wang, and Shelli R. McAlpine\*  
*RSC Advances* V5, 59003-59013 2015 *Impact factor: 3.84*
64. **Regulating the master regulator: controlling heat shock factor-1 as a chemotherapeutic** 2015 (UNSW)  
Jeanette R. McConnell, Laura K Buckton, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem Lett.* V25, 3409-3414 2015 *Impact factor: 2.427*
63. **Thioimidazoline based compounds reverse glucocorticoid resistance in acute lymphoblastic leukemia cells** 2015 (UNSW)  
Cara Toscan, Marwa Rahimi, Mohan Bhadbhade, Russell Pickford, Shelli R. McAlpine\* and Richard Lock\*  
*Org. Biomol. Chem.* V13, 6299-6312 2015 *Impact factor: 3.567*
62. **Predicating the unpredictable: recent examples of biologically active heterocycle-containing macrocycles** 2015 (UNSW)  
Hendra Wahyudi and Shelli R. McAlpine\*  
*Bioorganic Chem.* V60, 74-97 2015 *Impact factor: 2.141*
61. **Activation of the Nuclear Factor kB inducing kinase as a mechanism of beta cell failure in obesity** 2015 (UNSW)  
Elisabeth K. Malle, Nathan W. Zammit, Stacey N. Walters, Yen Chin Koay, Jianmin, Wu, Bernice, M. Tan, Jeanette E. Villanueva, Robert Brink, Tom Loudovaris, James Cantley, Shelli R. McAlpine, Daniel Hesselson, Shane T. Grey\*  
*J. Exp. Med.* V212, 1239-1254 2015 *Impact factor: 13.912*
60. **C-terminal heat shock protein 90 modulators produce desirable oncogenic** 2015 (UNSW)

properties

Yao Wang and Shelli R. McAlpine\*

*Org. Biomol. Chem.* V13, 4627-4631 2015 *Impact factor: 3.568*



59. **Combining an Hsp70 inhibitor with either an N-terminal and C-terminal hsp90 inhibitor produces mechanistically distinct phenotypes** 2015 (UNSW)  
Yao Wang and Shelli R. McAlpine\*  
*Org. Biomol. Chem.* V13, 3691-3698 2015 *Impact factor: 3.568*

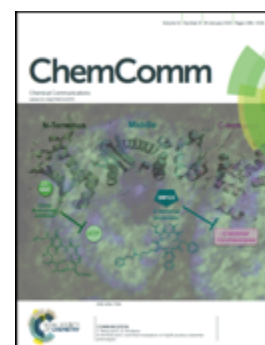
58. **Heat shock protein 90 inhibitors: will they ever succeed as chemotherapeutics?** 2015 (UNSW)  
Yao Wang, and Shelli R. McAlpine\*  
*Future Med. Chem.* V7, 2, 87-90 2015 *Impact factor: 3.31*

57. **Regulating the cytoprotective response in cancer cells using simultaneous inhibition of Hsp90 and Hsp70** 2015 (UNSW)  
Yao Wang, and Shelli R. McAlpine\*  
*Org. Biomol. Chem.* V13, 2108-2116 2015 *Impact factor: 3.568*

56. **Design, Synthesis and anticancer activity of linked azoles** 2015 (UNSW)  
Amirul Islam, Yuqi Zhang, Yao Wang, and Shelli R. McAlpine\*  
*Med. Chem. Comm.* V6, 300-305 2015 *Impact factor: 2.626*

55. **The fungal natural product (1S, 3S)-austrocortirubin induces DNA damage via a mechanism unique from other DNA damaging agents** 2015 (UNSW)  
Yao Wang ∞, Md. Amirul Islam ∞, Rohan A. Davis, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem Lett.* V25, 249-253 2015 *Impact factor: 2.427*

54. **N-terminal and C-terminal modulation of hsp90 produce dissimilar phenotypes** 2015 (UNSW)  
Yao Wang and Shelli R. McAlpine\*  
*Chem. Comm.* V51, 1410-1413 2015 *Impact factor: 6.834*  
**ON THE COVER OF THE JOURNAL**



53. **HSP90 inhibitors and conjunctival melanoma** 2014 (UNSW)  
M Madigan,\* X. Quah, S. McAlpine, and R. M. Conway  
*Acta Ophthalmologica.* V92, s253 2014 *Impact factor: 2.512*

52. **Synthesis of macrocycles that inhibit protein synthesis: stereochemistry and structural based studies on sanguinamide B derivatives** 2014 (UNSW)  
Adrian L Pietkiewicz, Hendra Wahyudi, Jeanette, R, McConnell, and Shelli R. McAlpine \*

*Tetrahedron Lett.* V55, 6979-6982 2014 *Impact factor: 2.391*  
ON THE COVER OF THE JOURNAL



51. **Chemically accessible hsp90 inhibitor that does not induce a heat shock response** 2014 (UNSW)

Yen Chin Koay, Jeanette R. McConnell, Yao Wang, Seong Jong Kim, Laura K. Buckton, Flora Mansour and Shelli R. McAlpine\*

*ACS Med. Chem. Lett.* V5, 771-776, 2014 *Impact factor: 3.355*

50. **Synthesis and cytotoxicity of sanguinamide B analogs: identification of an active macrocyclic conformation** 2014 (UNSW)

Hendra Wahyudi, Worawan Tantisantisom, and Shelli R. McAlpine\*

*Tetrahedron Lett.* V55, 2389-2393, 2014, *Impact factor: 2.391*

ON THE COVER OF THE JOURNAL



- §49. **Recent Advances in Macrocyclic Hsp90 Inhibitors** 2014 (UNSW)

Deborah Ramsey, R.R. A Kitson, J. I Levin, C. J Moody\*, and S. R. McAlpine\*

*RSC Books: Macrocycles in Drug Discovery*; DOI:10.1039/9781782623113-00037; p37-77

48. **A Heat shock protein 90 inhibitor that modulates the immunophilins and regulates hormone receptors without inducing a heat shock response** 2014 (UNSW)

Jeanette R. McConnell, Leslie D. Alexander, and Shelli R. McAlpine\*

*Bioorg. Med. Chem Lett.* V24, p661-666, 2014 *Impact factor: 2.427*

47. **Utilizing a Dimerization strategy to inhibit the dimer protein Hsp90: Synthesis and biological activity of a sansalvamide A dimer** 2014 (UNSW)

Hendra Wahyudi, Yao Wang, and Shelli R. McAlpine\*

*Org. Biomol. Chem.* V12, p765-773 2014 *Impact factor: 3.568*

46. **Total synthesis and biological activity of the natural product Urukthapelstatin A** 2013 (UNSW)

Chun Chieh Lin, Worawan Tantisantisom, and Shelli R. McAlpine\*

*Org. Lett.* V15, p3574-3577, 2013 *Impact factor: 6.364*

45. **Mechanism of action for a novel macrocycle: a small molecule inhibitor of the ribosome machinery** 2013 (UNSW)

Worawan Tantisantisom, Deborah M. Ramsey, and Shelli R. McAlpine\*

*Org. Lett.* V15, p4638-4641, 2013 *Impact factor: 6.364*

44. **Effectively delivering a drug using star polymers: Improving solubility of a unique hsp90 inhibitor** 2013 (UNSW)

Seong Jong Kim, Deborah M. Ramsey, Cyrille Boyer, Thomas Davis, and Shelli R. McAlpine\*

*ACS Med. Chem. Lett* V4, p915-920, 2013 *Impact factor: 3.311*

43. **Novel Marine Natural Products that target the gram-positive Cell Wall** 2013 (UNSW)

Deborah M. Ramsey,\* Amirul Islam, Rohan A. Davis, Cynthia B. Whitchurch, Lynne Turnbull and Shelli R. McAlpine\*



42. **A potential Rhodium Cancer Therapy: studies of a cytotoxic organorhodium (I) complex that binds DNA** 2013 (UNSW)  
Jeanette R. McConnell, Dimple P. Rananaware, Deborah M. Ramsey, Kai N. Buys, Marcus L. Cole and Shelli R. McAlpine\*  
*Bioorg. Med. Chem. Lett.* V23, p2527-2531 2013 *Impact factor: 2.427*
41. **Heat shock proteins 27, 40, and 70 as combinational therapeutic targets** 2013 (UNSW)  
Jeanette R. McConnell and Shelli R. McAlpine\*  
*Bioorg. Med. Chem. Lett.* V23, p1923-1928, 2013 *Impact factor: 2.427*
40. **An efficient synthetic route for synthesizing macrocycles that contain heterocycles: Solid Phase versus Solution Phase Synthesis** 2013 (UNSW)  
Seong Jong Kim and Shelli R. McAlpine\*  
*Molecules* V18, p1111-1121 2013 *Impact factor: 2.679*
39. **A structure-activity relationship study on multi-heterocyclic molecules: two linked thiazoles are required for cytotoxic activity** 2013 (UNSW)  
Seong Jong Kim, Chun Chieh Lin, Chung-Mao Pan, Dimple P. Rananaware, Deborah M. Ramsey, and Shelli R. McAlpine\*  
*Med. Chem. Comm.* V4 , p406-410, 2013 *Impact factor: 2.626*
38. **Halting Metastasis through CXCR4 inhibition** 2013 (UNSW)  
Deborah M. Ramsey\* and Shelli R. McAlpine\*  
*Bioorg. Med. Chem. Lett.* V23, p20-25, 2013 *Impact factor: 2.427*
37. **Synthesis, structure-activity analysis, and biological evaluation of structurally related conformational isomers** 2012 (UNSW)  
Hendra Wahyudi, Worawan Tantisantisom, Xuechao Liu, Deborah M. Ramsey, Erinprit K. Singh, and Shelli R. McAlpine\*  
*J. Org. Chem.* v77, p10596-10616, 2012 *Impact factor: 4.564*
36. **A new Hsp90 inhibitor that exhibits a novel biological profile** 2012 (UNSW)  
Deborah M. Ramsey, Jeanette R. McConnell, Leslie D. Alexander, Kaishin W. Tanaka, Chester M. Vera, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem. Lett.* v22, p3287-3290, 2012 *Impact factor: 2.427*
35. **Progress towards the synthesis of Urukthapelstatin A and two analogs** 2012 (UNSW)  
Chung-Mao Pan, Chun-Chieh Lin, Seong Jong Kim, Robert P. Sellers, and Shelli R. McAlpine\*  
*Tetrahedron Lett.*, v53, p4065-4069, 2012 *Impact factor: 2.391*
34. **Total Synthesis of Natural Product *trans,trans*- Sanguinamide B and its structurally related conformational isomers** 2012 (UNSW)  
Erinprit K. Singh, Deborah M. Ramsey, and Shelli R. McAlpine\*  
*Org. Lett.* v14, p1198-1201, 2012 *Impact factor: 6.364*
33. **Synthesis of Sansalvamide A Peptidomimetics: Triazole Oxazole, Thiazole, and Pseudoproline containing compounds** 2012 (UNSW)  
Melinda R. Davis, Erinprit K. Singh, Hendra Wahyudi, Leslie D. Alexander, Joseph Kunicki, Lidia A. Nazarova, Kelly A. Fairweather, Andrew Giltrap, Katrina A. Jolliffe, and Shelli R. McAlpine\*  
*Tetrahedron*, v68, p1029-1051, 2012 *Impact factor: 2.899*
32. **Macrocycles that inhibit the binding between heat shock protein 90 and TPR-containing proteins** 2011 (UNSW)  
Veronica C Ardi, Leslie D. Alexander, Victoria Johnson, and Shelli R. McAlpine\*  
*ACS Chem. Biol.* v6, p1357-1367, 2011 *Impact factor: 5.442*
31. **Small Molecule Inhibitors of Hsp90's Conformational Changes** 2011 (UNSW)  
Leslie D. Alexander, James Partridge, David Agard, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem. Lett.* v21, p7068-7071, 2011 *Impact factor: 2.427*

30. **Synthesis and Evaluation of Biotinylated Sansalvamide A Analogs and their modulation of Hsp90** 2011 (UNSW)  
Joseph Kunicki, Mark Petersen, Leslie D. Alexander, Veronica C. Ardi, Jeanette McConnell, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem. Lett*, v21, p4716-4719, 2011 *Impact factor: 2.427*
29. **A third generation of Sansalvamide A derivatives: Design and synthesis of Hsp90 inhibitors** 2010 (SDSU)  
Robert P. Sellers, Leslie D. Alexander, Victoria A. Johnson, Chun-Chieh Lin, Jeremiah Savage, Ricardo Corral, Jason Moss, Tim S. Slugocki, Erinprit K. Singh, Melinda R. Davis, Suchitra Ravula, Jamie E. Spicer, Jenna L Oelrich, Andrea Thornquist, Chung-Mao Pan, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem.* v18, p6822-6856 2010 *Impact factor: 3.205*
28. **Histone deactylase inhibitors: Synthesis of cyclic tetrapeptides & their triazole analogs** 2010 (SDSU)  
Erinprit K. Singh, Lidia A. Nazarova, Stephanie A. Lopera, Leslie D. Alexander and Shelli R. McAlpine\*  
*Tetrahedron Lett.* v51, p4357-4360 2010 *Impact factor: 2.391*
27. **Macrocyclic inhibitors of Hsp90** 2010 (SDSU)  
Victoria A. Johnson, Erinprit K. Singh, Lidia A. Nazarova, Leslie D. Alexander, and Shelli R. McAlpine\*  
*Curr. Top. Med. Chem.* v23, p1380-1402 2010 *Impact factor: 4.900*
26. **Mechanistic studies of Sansalvamide A-amide: An allosteric modulator of Hsp90** 2010 (SDSU)  
Robert C. Vasko, Rodrigo A. Rodriguez, Christian Cunningham, Veronica Ardi, David Agard, and Shelli R. McAlpine\*  
*ACS Med. Chem. Lett.* v1, p4-8 2010 *Impact factor: 3.311*
25. **Evaluation of Di-Sansalvamide A derivatives: synthesis, SAR, and Mechanism of action** 2009 (SDSU)  
Leslie D. Alexander, Robert P. Sellers, Melinda R. Davis, Veronica C. Ardi, Victoria A. Johnson, Robert C. Vasko and Shelli R. McAlpine\*  
*J. Med. Chem. (letter)* v52, p7927-7930 2009 *Impact factor: 5.614*
24. **A comprehensive study of Sansalvamide A derivatives: the structure-activity relationships of 78 derivatives in two pancreatic cancer cell lines** 2009 (SDSU)  
Po-Shen Pan, Robert C. Vasko, Stephanie A. Lopera, Victoria A. Johnson, Robert P. Sellers, Chun-Chieh Lin, Chung-Mao Pan, Melinda R. Davis, Veronica C. Ardi and Shelli R. McAlpine\*  
*Bioorg. Med. Chem.*, v17, p5806-5825 2009 *Impact factor: 3.311*
23. **Structure-activity relationships of Sansalvamide A derivatives and their mechanism of action in the pancreatic cancer cell line PL-45** 2008 (SDSU)  
Rodrigo A. Rodriguez, Po-Shen Pan, Robert C. Vasko, Chung-mao Pan, William Disman, and Shelli R. McAlpine\*  
*J. Mex. Chem. Soc.*, v52, p201-211, 2008
22. **Conformational based design of macrocycles as antitumor agents** 2008 (SDSU)  
Erinprit K. Singh, Robert P. Sellers, Leslie D. Alexander and Shelli R. McAlpine\*  
*Curr. Opin. Drug Discovery Dev.*, v11, p544-552, 2008 *Impact factor: 5.120*
21. **Synthesis and biological evaluation of Histone Deacetylases inhibitors that are based on the FR235222 scaffold** 2008 (SDSU)  
Erinprit Singh, Suchitra Ravula, Chung-mao Pan, Po-Shen Pan, Robert C. Vasko, Stephanie A. Lopera, Sujith, Mary Kay Pflum, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem. Lett*, v18, p2549-2554, 2008 *Impact factor: 2.427*
20. **Synthesis and cytotoxicity of a new class of potent decapeptide macrocycles** 2008 (SDSU)  
Melinda R. Davis, Thomas J. Styers, Rodrigo A. Rodriguez, Po-Shen Pan, Robert C. Vasko, and Shelli R. McAlpine\*  
*Org. Lett.*, v10, p177-180, 2008 *Impact factor: 6.364*

19. **A comprehensive study of Sansalvamide A derivatives and their structure-activity relationships against drug-resistant colon cancer cell lines.** 2008 (SDSU)  
Katerina Otrubova, Gerald H. Lushington, David Vander Velde, Kathleen L. McGuire, and Shelli R. McAlpine\*  
*J. Med. Chem.*, v51, p530-544, 2008 *Impact factor: 5.614*
18. **Identification of compounds potent against pancreatic cancer cell lines** 2007 (SDSU)  
Po-Shen Pan, Kathleen L. McGuire, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem. Lett.*, v17, p5072, 2007 *Impact factor: 2.427*
17. **A novel platform targeting drug-resistant colon cancers** 2007 (SDSU)  
Katerina Otrubova, Kathleen L. McGuire and Shelli R. McAlpine\*  
*J. Med. Chem. (letter)*, v50, p1999-2002, 2007 *Impact factor: 5.614*
16. **Synthesis of second generation Sansalvamide A derivatives: Novel Templates as Potential Anti-tumor Agents** 2007 (SDSU)  
Rodrigo A. Rodriguez, Po-Shen Pan, Chung-Mao Pan, Suchitra Ravula, Stephanie Laperera, Erin Singh, Thomas J. Styers, Julia Cajica, Joseph D. Brown, Emily Parry, Katerina Otrubova, and Shelli R. McAlpine\*  
*J. Org. Chem.*, v72, p1980-2002, 2007 *Impact factor: 4.564*
15. **Synthesis of Sansalvamide A derivatives and their cytotoxicity in colon cancer cell line HT-29** 2006 (SDSU)  
Thomas J. Styers, Ahmet Kekec, Rodrigo Rodriguez, Joseph D. Brown, Julia Cajica, Chris L. Carroll, Po-Shen Pan, Irene Medina, Ricardo Corral, Jennifer V. C. Johnston, Emily Parry, Stephanie Laperera, Katerina Otrubova, Kathleen L. McGuire,\* and Shelli R. McAlpine\*  
*Bioorg. Med. Chem.*, v14, p5625-5631, 2006 *Impact factor: 3.311*
14. **Novel Antibiotics: C-2 symmetrical macrocycles affecting Holliday Junction DNA processing** 2006 (SDSU)  
Po-Shen Pan, Fiona A. Curtis, Chris L. Carroll, Irene Medina, Lisa A. Liotta, Gary J. Sharples, and Shelli R. McAlpine\*  
*Bioorg. Med. Chem.*, v14, p4731-4739, 2006 *Impact factor: 3.311*
13. **Synthesis and novel structure-activity relationships of potent Sansalvamide A derivatives** 2006 (SDSU)  
Katerina Otrubova, Thomas J. Styers, Po-Shen Pan, Rodrigo Rodriguez, Kathleen L. McGuire,\* and Shelli R. McAlpine\*  
*Chem. Commun.* p1033-1034, 2006 *Impact factor: 6.834*
12. **Synthesis of novel Sansalvamide A Derivatives via new, high yielding macrocyclization conditions** 2006 (SDSU)  
Thomas J. Styers, Rodrigo Rodriguez, Po-Shen Pan, and Shelli R. McAlpine\*  
*Tetrahedron Lett.*, v47, p515-517, 2006 *Impact factor: 2.391*
11. **Synthesis of novel anti-tumor agents: Sansalvamide A derivatives** 2005 (SDSU)  
Chris L. Carroll, Jennifer V. C. Johnston, Ahmet Kekec, Joe Brown, Emily Parry, Julia Cajica, Irene Medina, Kristina M. Cook, Po-Shen Pan, and Shelli R. McAlpine\*  
*Org. Lett.*, v7 p3481-3484, 2005 *Impact factor: 6.364*
10. **Novel Antibiotics: second generation macrocyclic peptides designed to trap holliday junctions** 2004 (SDSU)  
Lisa A. Liotta, Irene Medina, Jennifer L. Robinson, Chris L. Carroll, Po-Shen Pan, Ricardo Corral, Jennifer V. C. Johnston, Kristina M. Cook, Fiona A. Curtis, Gary J. Sharples and Shelli R. McAlpine\*  
*Tetrahedron Lett.*, v45, p8447-8450 2004 *Impact factor: 2.376*
9. **Understanding Diseases via Receptor Regulation** 2004 (SDSU)  
Shelli R. McAlpine  
*Chem. and Biol.*, v11, p157-158 2004 *Impact factor: 6.097*
8. **A progressive synthetic strategy for Class B Synergimycins** 2004 (SDSU)  
Jennifer L. Robinson, Rachel E. Taylor, Lisa A. Liotta, Megan L. Bolla

Enrique V. Azevedo, Irene Medina, and Shelli R. McAlpine\*  
*Tetrahedron Lett.*, v45, p2147-2150 2004 *Impact factor: 2.376*

7. **Novel Antibiotics: Macrocyclic Peptides Designed to Trap Holliday Junctions** 2003 (SDSU)  
Megan L. Bolla, Enrique V. Azevedo, Jason M. Smith, Rachel E. Taylor, Dev K. Ranjit, Anca M. Segall, and Shelli R. McAlpine\*  
*Organic Lett.*, v5, p109-112 2003 *Impact factor: 6.364*
6. **Determination of Functional Group Distribution within Rasta Resins Utilizing Optical Analysis** 2001 (SDSU)  
S. R. McAlpine\*, C. W. Lindsley, J. C. Hodges\*, D. M. Leonard, G. F. Filzen  
*J. Comb. Chem.*, v3, p.1-5 2001 *Impact factor: 3.636*

### Graduate and Post-doctoral publications

5. **Visualizing Functional Group Distribution in Solid Support Beads using Optical Analysis** 1999 (Harvard)  
S. R. McAlpine\*, S. L. Schreiber,  
*Chem.- Eur. J.*, v5, p.3528 1999 *Impact factor: 5.831*
4. **Studies of Naphthyl-Substituted  $\beta$ -Cyclodextrins. Self-Aggregation and Inclusion of External Guests** 1998 (UCLA)  
S. R. McAlpine, M. A. Garcia-Garibay\*  
*J. Am. Chem. Soc.*, v120, p. 4269 1998 *Impact factor: 10.677*
3. **C32-O-Imidazol-2-yl-methyl Ether Derivatives of the Immunosuppressant Ascomycin with Improved Therapeutic Potential** 1998 (UCLA)  
M. T. Goulet\*, S. R. McAlpine; M. Staruch, S. Koprak, F. J. Dumont, J. G. Cryan, G. J. Wiederrecht, R. Rosa, M. B. Wilusz, L. B. Peterson, M. J. Wyvratt, W. H. Parsons  
*Bioorg. Med. Chem. Lett.*, v8, p.2253 1998 *Impact factor: 2.427*
2. **Binding Studies of Adamantanecarboxylic Acid and a Naphthyl-Bound  $\beta$ -Cyclodextrin by Variable Temperature  $^1\text{H}$  NMR** 1996 (UCLA)  
S. R. McAlpine, M. A. Garcia-Garibay\*  
*J. Org. Chem.*, v61, p. 8307 1996 *Impact factor: 4.564*
1. **Inside-Outside Isomerism of  $\beta$ -Cyclodextrin Covalently Linked with a Naphthyl Group** 1996 (UCLA)  
S. R. McAlpine, M. A. Garcia-Garibay\*  
*J. Am. Chem. Soc.*, v118, p. 2750-2751 1996 *Impact factor: 10.677*

### **Other Publications**

1. **Life as an academic: being a female assistant professor in chemistry** 2006 (SDSU)  
Shelli R. McAlpine  
*American Chemical Society: Gladly We Teach*, p57 2006

### **Patents/Applications/Invention Disclosures**

*Order of authors indicates relative intellectual contributions, with last author contributing the most*

- A novel small molecule that blocks the ribosomal inhibitor** 2013 (UNSW)  
S. R. McAlpine  
*Invention disclosure filed 2013,*
- Using both hsp70 and Hsp90 inhibitors to target resistant cancers** 2013 (UNSW)  
S. R. McAlpine  
*Invention disclosure filed 2013,*
- Hsp90 inhibitor attached to a nanoparticle** 2013 (UNSW)  
S. J. Kim, D. Ramsey, C. Boyer, T. Davis S. R. McAlpine  
*Patent Application: Application number 2013902460*



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<b>Cyclic pentapeptides for treatment of cancers</b> S. R. McAlpine <i>Utility Patent Application filed 2007, Provisional Application filed 2006</i>	<b>2006 (SDSU)</b>
<b>Macrocyclic peptides: methods for making and using them</b> K. L. McGuire, S. R. McAlpine* <i>Provisional Patent Application filed March 2006, serial NO. 60/783,298, Provisional Patent Application filed May 2006, serial NO. 60/797,111, Utility Application Serial NO. 11/436,378</i>	<b>2006 (SDSU)</b>
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<b>Improved System for Identification of Compounds</b> <b>"Using solid-phase <sup>1</sup>H &amp; <sup>19</sup>F NMR to identify tags on a single bead"</b> S. R. McAlpine; D. S. Tan; S. L. Schreiber* <i>U.S. Patent Application No. 60/109,629</i>	<b>1998 (Harvard)</b>

## Editor of Scientific Books/ Volumes

<b>6. Springer Publishing, Topics in Medicinal Chemistry- Co-Editor</b> <b>Heat shock protein inhibitors: success stories</b> Shelli R. McAlpine	<b>2015 (UNSW)</b>
<b>5. ACS: Annual Reports in Medicinal Chemistry- oncology editor</b> Shelli R. McAlpine	<b>2013 (UNSW)</b>
<b>4. ACS: Annual Reports in Medicinal Chemistry- oncology editor</b> Shelli R. McAlpine	<b>2012 (UNSW)</b>
<b>3. ACS: Annual Reports in Medicinal Chemistry- oncology editor</b> Shelli R. McAlpine	<b>2011 (UNSW)</b>
<b>2. ACS: Annual Reports in Medicinal Chemistry- oncology editor</b> Shelli R. McAlpine	<b>2010 (SDSU)</b>
<b>1. ACS: Annual Reports in Medicinal Chemistry- oncology editor</b> Shelli R. McAlpine	<b>2009 (SDSU)</b>