Robert G. Aslanian, Ph.D.

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Academic Experience

Associate Professor and Chair, New Jersey City University *September, 2016-Present*

- Responsible for all administrative aspects of the Chemistry Department
- Responsible for teaching organic chemistry I and II lecture and lab, medicinal chemistry and senior seminar
- Responsible for the oversight of undergraduate and high school research associates
- Faculty advisor for NJCU Chemistry Club
- Member Separately Budgeted Research Steering Committee
- Member Honors Program Committee
- President's Faculty Fellow 2014-2015

Assistant Professor of Chemistry, New Jersey City University *June, 2012- September, 2016*

- Responsible for teaching organic chemistry I and II lecture and lab, medicinal chemistry and senior seminar
- Responsible for the oversight of undergraduate and high school research associates
- Faculty advisor for NJCU Chemistry Club
- University senate representative for Chemistry Department
- President's Faculty Fellow 2014-2015
- Executive Committee, Student Undergraduate Research Institute (SURI)

Adjunct Professor of Chemistry, William Paterson University *January - June, 2012*

- Responsible for teaching one section of organic chemistry lecture and two sections of organic chemistry lab

Adjunct Professor of Chemistry, Fairleigh - Dickinson University *September – December, 1991*

- Responsible for teaching one lecture and one laboratory course entitled "Introduction to Chemistry".

Education

Post-doctoral Fellow *1985- 1986*
University of Rochester, Rochester, NY.
Professor Andrew S. Kende, Research Director.
Design and synthesis of Punctaporonin B, a novel fungal antibiotic.

Ph.D. *1985*
State University of New York at Stony Brook, Stony Brook, NY.
Professor Paul Helquist, Thesis Advisor.

Royal Institute of Technology – Graduate Exchange Student
Stockholm, Sweden
May, 1984 – September, 1984
Advisor: Professor Jan-E. Backvall

B.A. *1980*
Rutgers University, Newark, New Jersey
B.A. in Chemistry with Honors

Professional Experience

Merck Research Labs

Senior Director *2009 - 2011*

Schering-Plough Research Institute

Senior Director *2005 – 2009*

Group Director/Director *2002-2005*

Position at Schering-Plough prior to 2002

Associate Director
Responsible for the discovery of small molecule drug candidates for projects in the Allergy area. Supervised a staff of 18 chemists. Co-chair of the Discovery Team and member of the Early Drug Team guiding preclinical and Phase I clinical development of allergy candidate. Responsible for chemistry activities supporting the antihistamine franchise, specifically loratadine and DCL. Member of the team overseeing the SPRI/Texas Biotechnology Corp. collaboration.

Group Leader
Responsible for the oversight and direction of the dual H_1/H_3 receptor antagonist project. Supervised a staff of 17 chemists. Co-chair of the H_1/H_3 Discovery Team, secretary of the H_1/H_3 Drug Team, and member of the H_1/H_3 Development team. Responsible for chemistry activities supporting the antihistamine franchise.

Principal Scientist
Responsible for the design and synthesis of novel H_3 antagonists, dual H_1/H_3 antagonists and novel NK_1/NK_2 antagonists as possible therapeutic agents in allergy. Supervised one senior and two junior staff members.

Associate Principal Scientist
Responsible for the design and synthesis of novel H_3 agonists, H_3 antagonists, and dual H_1/H_3 antagonists as therapeutic agents in allergy. Supervised one junior staff member.

Senior Scientist
Responsible for the design and synthesis of novel H_3 agonists and antagonists as possible therapeutic agents in allergy. Supervised one junior staff member.

Norwich-Eaton Pharmaceuticals, Norwich, NY
Staff Scientist
Responsible for the design and synthesis of bisphosphonate bone therapeutic agents. Supervised one junior staff member.

Honors and Awards
President's Faculty Fellow, New Jersey City University 2014-2015
Schering-Plough Pharmaceutical Sciences and Drug Metabolism Excellence Award - 2009
Schering-Plough Impact Award for identifying contaminants in Intron A - 2002
Schering-Plough Excellence Award for the discovery of Sch 50971 - 1994

Harold Fales Award - Rutgers University 1980

Outside Activities

Grant Referee for the Michael J. Fox Foundation, 2012 - 2017
Scientific advisor, Affina Biotechnology Corporation 2014-present
Chair, Hudson-Bergen Section American Chemical Society 2013 - 2014.
Referee for *The Chemical Educator*
Referee for the *Journal of Organic Chemistry*.
Referee for *Bioorganic and Medicinal Chemistry Letters*.
Referee for *Bioorganic and Medicinal Chemistry*.
Referee for the *Journal of Medicinal Chemistry*.
Referee for *Expert Opinion on Investigational Drugs*.
Referee for *Environmental and Molecular Mutagenesis*.
Member of the organizing committee for the *Chemistry as a Life Science Symposium* for 2002 and 2004.
Organizer of the ACS H_3 Symposium, September 2003.
Jury Member NJACS Creativity in Molecular Design and Synthesis, 2008.
PhD. Dissertation Committees: Rutgers and SUNY Stony Brook.

Grants

NSF IUSE Grant Number 1611843: *Improving the Undergraduate Learning and Teaching Experience Through Innovative Course Clustering*. $298,798.00.
SBR 2016-2017: *Synthesis of a macrocyclic analogs of pentamidine for the treatment of Human African Sleeping Sickness.* $4,000.
SBR 2015-2016: *Organic Chemistry Research in the Undergraduate Curriculum: Synthesis of a new series of compounds useful for the treatment of Human African trypanosomiasis (HAT).* $4,000.
SBR 2014-2015: *Green Chemistry: A One-Pot Synthesis of Ketones from Carboxylic Acids: Application to the Synthesis of Fenofibric Acid.* $3,500.
SBR 2013-2014: *Preparation of Pentamidine Analogs for the Treatment of Human African Trypanosomiasis.* $3,500.

Books

1. Xianhai Huang, Robert Aslanian, Eds. *Case Studies in Modern Drug Discovery and Development.* New York, John Wiley and Sons; *2012*.

Publications (undergraduate participants in bold, high school students italicized)

1. "A safe, rapid microwave-based procedure for the synthesis of the *N*- and *O*- alkylated derivatives of hydroxamic acids suitable for the undergraduate laboratory." **Carolina Durand**, **Tiauna Griffin-Blake**, **Haylie Shinsato** and Robert Aslanian. *The Chemical Educator* **2019**, *24*, 80-83.

2. "Discovery of MK-8318, a Potent and Selective CRTh2 Receptor Antagonist for the Treatment of Asthma." Huang, Xianhai; Brubaker, Jason; Zhou, Wei; Biju, Purakkattle J.; Xiao, Li; Shao, Ning; Huang, Ying; Dong, Li; Liu, Zhidan; Bitar, Rema; Buevich, Alexei; Jung, Joon; Peterson, Scott L.; Butcher, John W.; Close, Joshua; Martinez, Michelle; MacCoss, Rachel N.; Zhang, Hongjun; Crawford, Scott; McCormick, Kevin D.; Aslanian, Robert; Nargund, Ravi; Correll, Craig; Gervais, Francois; Qiu, Hongchen; Yang, Xiaoxin; Garlisi, Charles; Rindgen, Diane; Maloney, Kevin M.; Siliphaivanh, Phieng; Palani, Anandan. *ACS Medicinal Chemistry Letters* **2018**, *9*, 679 – 684.

3. "The synthesis of 2,3,6-trisubstituted 1-oxo-1,2-dihydroisoquinolines as potent CRTh2 antagonists." Huang, X.; Rao, A.; Zhou, W.; Aslanian, R.; Nargund, R.; Buevich, A.; Zhang, L.; Qiu, H.; Yang, X.; Garlisi, C.; Correll, C.; Palani, A. *Bioorg. Med. Chem. Lett.* **2017**, *27,* 5344.

4. “Identification of an Unknown Diene in Eucalyptus Oil: A Modified Diels-Alder Experiment” Aslanian, Robert. *The Chemical Educator* **2017**, *22*, 73-76.

5. “Monitoring the Fischer Esterification using Bench Top Gas Chromatography: An Undergraduate Lab Experiment Incorporating Techniques used in the Contemporary Research Environment” *Brian Villareal, Andy Ling, Andrew Febrillet, Bavly Abdelmesih* and Robert Aslanian. *The Chemical Educator* **2016**, *21*, 199-201.

6. “A New Alcohol Dehydration Procedure Suitable for the Undergraduate Organic Lab Curriculum” **Abdelnoor, Feiby**; **Fardos, Youssef**; **Girges, Monica Samy**; **Hussein, Sarah Khaled**; **Mejia, Diana**; Aslanian, Robert. *The Chemical Educator*, **2016**, *21*, 191-194.

7. “Discovery of aminoquinazoline derivatives as human A2A adenosine receptor antagonists.” Zhou, Gang; Aslanian, Robert; Gallo, Gioconda; Khan, Tanweer; Kuang, Rongze; Purakkattle, Biju; De Ruiz, Manuel; Stamford, Andrew; Ting, Pauline; Wu, Heping; Wang, Hongwu; Xiao, Dong; Yu, Tao; Zhang, Yonglian; Mullins, Deborra; Hodgson, Robert. *Bioorg. Med. Chem. Lett.* **2016**, *26,* 1348.

8. “Synthesis of novel anti-inflammatory steroidal macrocycles using ring closing metathesis reaction” Biju, Purakkattle; Bitar, Rema; Lim, Yeon-Hee; Wang, Ying; Berlin, Michael; Aslanian, Robert; McCormick, Kevin. *Tetrahedron Lett.* **2015**, *56*, 636.

9. “Discovery of a novel series of potent MK2 non-ATP competitive inhibitors using 1,2-substituted azoles as cis-amide isosteres” Dong Xiao, Xiaohong Zhu, Michael Sofolarides, Sylvia Degrado, Ning Shao, Ashwin Rao, Xiao Chen, Robert Aslanian, James Fossetta, Fang Tian, Prashant Trivedi, Daniel Lundell, Anandan Palani. *Bioorg. Med. Chem. Lett.* **2014**, *24,* 3609.

10. “Quality by design (QbD) of amide isosteres: 5,5-Disubstituted isoxazolines as potent CRTh2 antagonists with favorable pharmacokinetic and drug-like properties” Xiao, Dong; Zhu, Xiaohong; Yu, Younong; Shao, Ning; Wu, Jie; McCormick, Kevin D.; Dhondi, Pawan; Qin, Jun; Mazzola, Robert; Tang, Haiqun; Rao, Ashwin; Siliphaivanh, Phieng; Qiu, Hongchen; Yang, Xiaoxin; Rivelli, Maria; Garlisi, Charles G.; Eckel, Steve; Mukhopadhyay, Gitali; Correll, Craig; Rindgen, Diane; Aslanian, Robert; Palani, Anandan. *Bioorg. Med. Chem. Lett.* **2014**, *24,* 1615.

11. “Discovery of Novel Quinoline Carboxylic Acid Series as DGAT1 Inhibitors” Gang Zhou, Pauline C. Ting, Grant Wishart, Nicolas Zorn, Robert G. Aslanian, Mingxiang Lin, Michelle Smith, Scott S. Walker, John Cook, Margaret Van Heek, Jean Lachowicz. *Bioorg. Med. Chem. Lett.* **2014**, *24,* 1790.

12. “Development of Novel Benzomorpholine Class of Diacylglycerol Acyltransferase I Inhibitors” Zhou, Gang; Zorn, Nicolas; Ting, Pauline; Aslanian, Robert; Lin, Mingxiang; Cook, John; Lachowicz, Jean; Lin, Albert; Smith, Michelle; Hwa, Joyce; van Heek, Margaret; Walker, Scott. *ACS Med. Chem. Lett.* **2014**, *5*, 544.

13. “Conformation of gem-disubstituted alkylarylpiperidines and their implication in design and synthesis of a conformationally-rigidified NK1 antagonist” Xiao, Dong; Wang, Cheng; Tsui, Hon-Chung; Palani, Anandan; Aslanian, Robert; Buevich, Alexei V. *Tetrahedron Letters* **2013**, *54*, 6199.

14. “Synthesis and SAR studies of benzimidazolone derivatives as histamine H3-receptor antagonists” Zeng, Qingbei; Rosenblum, Stuart B.; Yang, Zhaoxia; Jiang, Yueheng; McCormick, Kevin D.; Aslanian, Robert G.; Duguma, Luli; Kozlowski, Joseph A.; Shih, Neng-Yang; Hey, John A.; West, Robert E., Jr.; Korfmacher, Walter A.; Berlin, Michael; Boyce, Christopher W. *Bioorg. Med. Chem. Lett.* **2013**, *23,* 6001-6003.

15. “Discovery of oral and inhaled PDE4 inhibitors” Ting, Pauline C.; Lee, Joe F.; Kuang, Rongze; Cao, Jianhua; Gu, Danlin; Huang, Ying; Liu, Zhidan; Aslanian, Robert G.; Feng, Kung-I.; Prelusky, Daniel; Lamca, James; House, Aileen; Phillips, Jonathan E.; Wang, Peng; Wu, Ping; Lundell, Daniel; Chapman, Richard W.; Celly, Chander S. *Bioorg. Med. Chem. Lett.* **2013**, *23,* 5528-5532.

16. “Bicyclic and tricyclic heterocycle derivatives as histamine H3 receptor antagonists for the treatment of obesity” de Lera Ruiz, Manuel; Zheng, Junying; Berlin, Michael Y.; McCormick, Kevin D.; Aslanian, Robert G.; West, Robert; Hwa, Joyce; Lachowicz, Jean; van Heek, Margaret . *Bioorg. Med. Chem. Lett.* **2013**, *23,* 6004-6009.

17. “Conformation constraint of anilides enabling the discovery of tricyclic lactams as potent MK2 non-ATP competitive inhibitors” Xiao, Dong; Palani, Anandan; Huang, Xianhai; Sofolarides, Michael; Zhou, Wei; Chen, Xiao; Aslanian, Robert; Guo, Zhuyan; Fossetta, James; Tian, Fang; Trivedi, Prashant; Spacciapoli, Peter; Whitehurst, Charles E.; Lundell, Daniel. *Bioorg. Med. Chem. Lett.* **2013**, *23,* 3262-3266.

18. “Lead optimization of a pyridine-carboxamide series as DGAT-1 inhibitors” Ting, Pauline C.; Lee, Joe F.; Zorn, Nicolas; Kim, Hyunjin M.; Aslanian, Robert G.; Lin, Mingxiang; Smith, Michelle; Walker, Scott S.; Cook, John; Van Heek, Margaret; Lachowicz, Jean. *Bioorg. Med. Chem. Lett.* **2013**, *23,* 985-988.

19. “The discovery of fused oxadiazepines as gamma secretase modulators for treatment of Alzheimer's disease” Li, Hongmei; Qin, Jun; Dhondi, Pawan; Zhou, Wei; Vicarel, Monica; Bara, Thomas; Cole, David; Josien, Hubert; Pissarnitski, Dmitri; Zhu, Zhaoning; Palani, Anandan; Aslanian, Robert; Clader, John; Czarniecki, Michael; Greenlee, William; Cohen-Williams, Mary; Hyde, Lynn; Song, Lixin; Zhang, Lili; Chu, Inhou; Huang, Xianhai. *Bioorg. Med. Chem. Lett.* **2013**, *23,* 466-471.

20. “Efficient synthesis and reaction pathway studies of novel fused morpholine oxadiazolines for use as gamma secretase modulators”. Xianhai Huang, Dmitri Pissarnitski, Hongmei Li, Theodros Asberom, Hubert Josien, Xiaohong Zhu, Monica Vicarel, Zhiqiang Zhao, Murali Rajagopalan, Anandan Palani, Robert Aslanian, Zhaoning Zhu, William Greenlee, Alexei Buevich. *Tetrahedron Lett.* **2012**, *47*, 6451.

21. “Efficient and regioselective synthesis of pyrimido[5,4-d]pyrimidine-2,4,6,8(1H,3H,5H,7H)-tetraones with diversified substitutions”. Xianhai Huang, Nicolas Zorn, Anandan Palani, Robert Aslanian. *Tetrahedron Lett.* **2012**, *47*, 7154.

22. “The optimization of pyridazinone series of glucan synthase inhibitors” Kuang, Rongze; Wu, Heping; Ting, Pauline C.; Aslanian, Robert G.; Cao, Jianhua; Kim, David W.; Lee, Joe F.; Schwerdt, John; Zhou, Gang; Jason Herr, R.; Zych, Andrew J.; Yang, Jinhai; Lam, Sang Q.; Jenkins, David M.; Sakwa, Samuel A.; Wainhaus, Samuel; Black, Todd A.; Cacciapuoti, Anthony; McNicholas, Paul M.; Xu, Yiming; Walker, Scott S. *Bioorg. Med. Chem. Lett.* **2012**, *22,* 5268-5271.

23. “Lead optimization of a sulfonylurea-based piperazine pyridazinone series of glucan synthase inhibitors” Zych, Andrew J.; Lam, Sang Q.; Jenkins, David M.; Herr, R. Jason; Ting, Pauline C.; Lee, Joe F.; Kuang, Rongze; Wu, Heping; Kim, David W.; Aslanian, Robert G.; Wainhaus, Samuel; Black, Todd A.; Cacciapuoti, Anthony; McNicholas, Paul M.; Xu, Yiming; Walker, Scott S. *Bioorg. Med. Chem. Lett.* **2012**, *22,* 4896-4899.

24. “Fused bicycles as arylketone bioisosteres leading to potent, orally active thiadiazole H3 antagonists” Xiao, Dong; Palani, Anandan; Sofolarides, Michael; Aslanian, Robert; West, Robert E.; Williams, Shirley M.; Wu, Ren-Long; Hwa, Joyce; Sondey, Christopher; Lachowicz, Jean; Korfmacher, Walter A. *Bioorg. Med. Chem. Lett.* **2012**, *22,* 3354-3357.

25. “Steroidal C-21 heteroaryl thioethers. Part 3: Pregn-4-eno-[3,2-c]pyrazole fused A ring modified steroids as selective glucocorticoid receptor modulators (dissociated steroids)” Biju, Purakkattle; Wang, Hongwu; Anthes, John; McCormick, Kevin; Aslanian, Robert; Berlin, Michael; Bitar, Rema; Lim, Yeon-Hee; Lee, Yoon Joo; Prelusky, Daniel; McLeod, Robbie; Jia, Yanlin; Fernandez, Xiomora; Lieber, Gissela; Jimenez, Johanna; Eckel, Steve; House, Aileen; Chapman, Richard; Phillips, Jonathan *Bioorg. Med. Chem. Lett.* **2012**, *22,* 3291-3295

26. “Discovery of oxazole-based PDE4 inhibitors with picomolar potency” Kuang, Rongze; Shue, Ho-Jane; Xiao, Li; Blythin, David J.; Shih, Neng-Yang; Chen, Xiao; Gu, Danlin; Schwerdt, John; Lin, Ling; Ting, Pauline C.; Cao, Jianhua; Aslanian, Robert; Piwinski, John J.; Prelusky, Daniel; Wu, Ping; Zhang, Ji; Zhang, Xiang; Celly, Chander S.; Billah, Motasim; Wang, Peng. *Bioorg. Med. Chem. Lett.* **2012**, *22*(2), 2594-2597.

27. “Synthesis and structure-activity relationship (SAR) study of 4-azabenzoxazole analogues as H3 antagonists” Shao, Ning; Aslanian, Robert; West, Robert E.; Williams, Shirley M.; Wu, Ren-Long; Hwa, Joyce; Sondey, Christopher; Lachowicz, Jean; Palani, Anandan. *Bioorg. Med. Chem. Lett.* **2012**, *22*(2), 2075-2078.

28. “SAR studies of C2 ethers of 2H-pyrano[2,3-d]pyrimidine-2,4,7(1H,3H)-triones as nicotinic acid receptor (NAR) agonists” Huang, Xianhai; Su, Jing; Rao, Ashwin U.; Tang, Haiqun; Zhou, Wei; Zhu, Xiaohong; Chen, Xiao; Liu, Zhidan; Huang, Ying; Degrado, Sylvia; Aslanian, Robert; et al *Bioorg. Med. Chem. Lett.* **2012**, *22*(2), 854-858.

29. “Steroidal C-21 heteroaryl thioethers (Part 2): Discovery of orally bioavailable selective glucocorticoid receptor modulators (dissociated steroids)” Biju, Purakkattle; McCormick, Kevin; Aslanian, Robert; Berlin, Michael; Solomon, Daniel; Wang, Hongwu; Lee, Yoon Joo; Bitar, Rema; Prelusky, Daniel; McLeod, Robbie; et al. *Bioorg. Med. Chem. Lett.* **2012**, *22*(2), 1086-1090.

30. “Facile synthesis of tetracyclic azepine and oxazocine derivatives and their potential as MAPKAP-K2 (MK2) inhibitors” Rao, Ashwin U.; Xiao, Dong; Huang, Xianhai; Zhou, Wei; Fossetta, James; Lundell, Dan; Tian, Fang; Trivedi, Prashant; Aslanian, Robert; Palani, Anandan. *Bioorg. Med. Chem. Lett.* **2012**, *22*(2), 1068-1072.

31. “A three-step protocol for lead optimization: Quick identification of key conformational features and functional groups in the SAR studies of non-ATP competitive MK2 (MAPKAPK2) inhibitors” Huang, Xianhai; Zhu, Xiaohong; Chen, Xiao; Zhou, Wei; Xiao, Dong; Degrado, Sylvia; Aslanian, Robert; Fossetta, James; Lundell, Daniel; Tian, Fang; et al. *Bioorg. Med. Chem. Lett.* **2012**, *22*(1), 65-70.

32. “Steroidal C-21 mercapto derivatives as dissociated steroids: Discovery of an inhaled dissociated steroid” Biju, Purakkattle; McCormick, Kevin; Aslanian, Robert; Berlin, Michael; Solomon, Daniel; Chapman, Richard; McLeod, Robbie; Prelusky, Daniel; Eckel, Stephen; Kelly, George; et al *Bioorg. Med. Chem. Lett.* **2011,** *21*, 6343-6347.

33. "Discovery of a potent dihydrooxadiazole series of non-ATP-competitive MK2 (MAP/KAPK2) inhibitors" Qin, J.; Dhondi, P.; Huang, X.; Aslanian, R.; Fossetta, J.; Tian, F.; Lundell, D.; Palani, A. *ACS Medicinal Chemistry Letters* **2012**, 3,100-105.

34. “Discovery of a novel class of thiadiazole class of histamine H_3 receptor antagonists for the treatment of diabetes” Rao, A.; Shao, N.; Aslanian, R.; Chan, T.-Y.; Degrado, S.; Wang, L.; McKittrick, B.; Senior, M.; West, R.E.; Williams, S. M.; Wu, R.-L.; Hwa, J.; Patel, B.; Zheng, S.; Sondey, C.; Palani, A. *ACS Medicinal Chemistry Letters* **2012**, 3,198-202.

35. “Discovery of a novel class of orally active antifungal β-1,3-D-glucan synthase inhibitors” Walker, S. S.; Xu, Y.; Triantafyllou, I.; Waldman, M. F.; Mendrick, C.; Brown, N.; Chau, A.; Patel, R.; Bauman, N.; Norris, C.; Antonacci, B.; Gurnani, M.; Cacciapuoti, A.; McNicholas, P. M.; Wainhaus, S.; Herr, R. J.; Kuang, R.; Aslanian, R.; Ting, P. C.; Black, T. A. *Antimicrob. Agents Chemother.* **2011**, *55*(11), 5099-5106.

36. "SAR studies of pyridazinone derivatives as novel glucan synthase inhibitors" Zhou, Gang; Ting, P. C.; Aslanian, R.; Cao, J.; Kim, D. W.; Kuang, R.; Lee, J. F.; Schwerdt, J.; Wu, H.; Herr, R. J.; Zych, A. J.; Yang, J.; Lam, S.; Wainhaus, S.; Black, T. A.; McNicholas, P. M.; Xu, Y.; Walker, S. S. *Bioorg. Med. Chem. Lett.* **2011,** *21*, 2890-2893.

37. "Pharmacological characterization of a novel α2C-adrenoceptor agonist N-[3,4-dihydro-4-(1H-imidazol-4-ylmethyl)-2H-1,4-benzoxazin-6-yl]-N-ethyl-N'-methylurea (compound A)" Corboz, M. R.; Rivelli, M. A.; McCormick, K. D.; Wan, Y.; Shah, H.; Umland, S.; Lieber, G.; Jia, Y.; McLeod, R. L.; Morgan, C.; Varty, G. B.; Wu, J.; Feng, K.-I.; Boyce, C. W.; Aslanian, R. G.; Palamanda, J.; Nomeir, A. A.; Korfmacher, W.; Hunter, J. C.; Anthes, J. C.; Hey, J. A. *Journal of Pharmacology and Experimental Therapeutics* **2011**, *337*, 256-266.

38. "Discovery of a potent pyrazolopyridine series of γ-secretase modulators" Qin, J.; Zhou, W.; Huang, X.; Dhondi, P.; Palani, A.; Aslanian, R.; Zhu, Z; Greenlee, W.; Cohen-Williams, M.; Jones, N.; Hyde, L.; Zhang, L. *ACS Medicinal Chemistry Letters* **2011**, *2*, 471-479.

39. "The synthesis and structure-activity relationship of pyridazinones as glucan synthase inhibitors" Ting, P. C.; Kuang, R.; Wu, H.; Aslanian, R. G.; Cao, J.; Kim, D. W.; Lee, J. F.; Schwerdt, J.; Zhou, G.; Wainhaus, S.; Black, T. A.; Cacciapuoti, A.; McNicholas, P. M.; Xu, Y.; Walker, S. S. *Bioorg. Med. Chem. Lett.* **2011,** *21*, 1819-1822.

40. "Discovery of a series of potent arylthiadiazole H3 antagonists" Xiao, D.; Palani, A.; Sofolarides, M.; Huang, Y.; Aslanian, R.; Vaccaro, H.; Hong, L.; McKittrick, B.; West, R. E., Jr.; Williams, S. M.; Wu, R.; Hwa, J.; Sondey, C.; Lachowicz, J. *Bioorg. Med. Chem. Lett* **2011**, *21*, 861-864.

41. "Discovery of fused 5,6-bicyclic heterocycles as γ-secretase modulators" Qin, J.; Dhondi, P.; Huang, X.; Mandal, M.; Zhao, Z.; Pissarnitski, D.; Zhou, W.; Aslanian, R.; Zhu, Z.; Greenlee, W.; Clader, J.; Zhang, L.; Cohen-Williams, M.; Jones, N.; Hyde, L.; Palani, A. *Bioorg. Med. Chem. Letts* **2011***, 21*, 664-669.

42. "Discovery of a Potent Nicotinic Acid Receptor Agonist for the Treatment of Dyslipidemia" Qin, J.; Rao, A.; Chen, X.; Zhu, X.; Liu, Z.; Huang, X.; Degrado, S.; Huang, Y.; Xiao, D.; Aslanian, R.; Cheewatrakoolpong, B.; Zhang, H.; Greenfeder, S.; Farley, C.; Cook, J.; Kurowski, S.; Li, Q.; van Heek, M.; Chintala, M.; Wang, G.; Hsieh, Y.; Li, F.; Palani, A. *ACS Medicinal Chemistry Letters* **2011**, *2*, 171-176.

43. "Discovery of a series of potent, orally active α,α-disubstituted piperidine NK1 antagonists" Xiao, D.; Wang, C.; Palani, A.; Tsui, H.; Reichard, G.; Paliwal, S.; Shih, N.; Aslanian, R.; Duffy, R.; Lachowicz, J.; Varty, G.; Morgan, C.; Liu, F.; Nomeir, A. *Bioorg. Med. Chem. Lett.* **2010** *20*, 6313-6315.

44. "The synthesis and structure–activity relationship of 4-benzimidazolyl piperidinylcarbonyl-piperidine analogs as histamine H3 antagonists" Ting, P. C.; Lee, J. F.; Albanese, M. M.; Wu, J.; Aslanian, R.; Favreau, L.; Nardo, C.; Korfmacher, W. A.; West, R. E.; Williams, S. M.; Anthes, J. C.; Rivelli, M. A.; Corboz, M. R.; Hey, J. A. *Bioorg. Med. Chem. Lett.* **2010**, *20*, 5004-5008.

45. "Pharmacology of a potent and selective inhibitor of PDE4 for inhaled administration" Chapman, R. W.; House, A.; Richard, J.; Prelusky, D.; Lamca, J.; Wang, P.; Lundell, D.; Wu, P.; Ting, P. C.; Lee, J. F.; Aslanian, R.; Phillips, J. *Eur. J. Pharmacol.* **2010**, *643*, 274-281.

46. "The Discovery of Pyridone and Pyridazone Heterocycles as γ -Secretase Modulators" Huang, X.; Aslanian, R.; Zhou, W.; Zhu, X.; Qin, J.; Greenlee, W.; Zhu, Z.; Zhang, L.; Hyde, L.; Chu, I.; Cohen-Williams, M.; Palani, A. *ACS Med. Chem. Lett.* **2010**, *1*, 184-187.

47. "Reduction of hERG inhibitory activity in the 4-piperidinyl urea series of H_3 antagonists" Berlin, M.; Lee, Y. J.; Boyce, C. W.; Wang, Y.; Aslanian, R.; McCormick, K. D.; Sorota, S.; Williams, S. M.; West, R. E.; Korfmacher, W. *Bioorg. Med. Chem. Lett.* **2010**, *20*, 2359.

48. "Palladium-catalyzed Negishi α-arylation of alkylsulfones." Zhou, G.; Ting, P. C.; Aslanian, R. *Tetrahedron Lett.* **2010**,*12*, 939.

49. "Synthesis and structure-activity relationships of 2-(1,4'-bipiperidin-1'-yl)thiazolopyridine as H_3 receptor antagonists" Rao, A. U.; Palani, A.; Chen, X.; Huang, Y.; Aslanian, R.; West, R. E.; Williams, S. M.; Wu, R.; Hwa, J.; Sondey, C.; Lachowicz, J. *Bioorg. Med. Chem. Lett.* **2009**, *19*, 6176.

50. "New Applications of $PhI(OAc)_2$ in Synthesis: Total Synthesis and SAR Development of Potent Antitumor Natural Product Psymberin/irciniastatin A" Shao, N.; Huang, X.; Palani, A.; Aslanian, R.; Buevich, A.; Piwinski, J.J.; Huryk, R.; Seidel-Dugan, C. *Synthesis*, **2009**, *17*, 2855.

51. "Structural Determinants for Histamine H_1 Affinity, hERG Affinity and QTc prolongation in a Series of Terfenadine Analogs" Aslanian, R.; Piwinski, J.J.; Zhu X.; Priestley, T.; Sorota, S.; Du, X-Y; Zhang, X-S.; McLeod, R.; West, R.; Williams, S.M.; Hey, J.A. *Bioorg. Med. Chem. Lett.* **2009**, *19*, 5043.

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