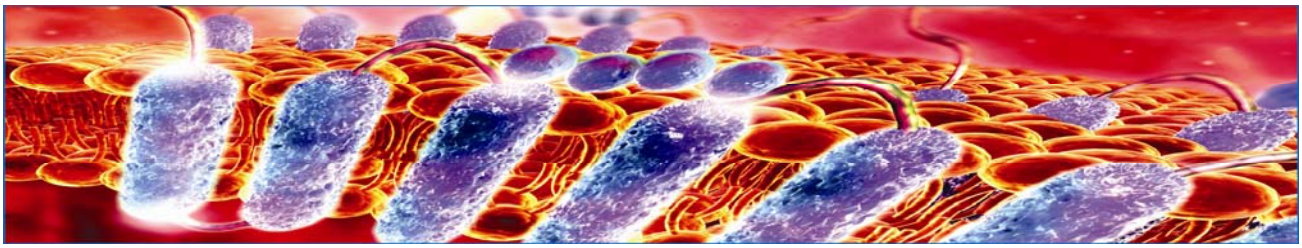

HitHunter™ cAMP Select References

Journal Citations

Zhang J-H (1999). A Simple Statistical Parameter for Use in Evaluation and Validation of High Throughput Screening Assays. Journal of Biomolecular Screening, 4 (2): 67-73.

Golla R & Seethala R (2002). A Homogeneous Enzyme Fragment Complementation Cyclic AMP Screen for GPCR Agonists. Journal of Biomolecular Screening, 7 (6): 515-525.

Daniela G, Vernier M, Pfeifer MJ, Dasen B, Tenaillon L, and Bouhelal R (2003). High Throughput Screening Technologies for Direct Cyclic AMP Measurement. ASSAY and Drug Development Technologies, 1(2): 291-303.

Williams C (2004). CAMP Detection Methods in HTS: Selecting the Best from the Rest. Nature Reviews Drug Discovery, 3 (2): 125-135.

Dunlop J and Eglen R (2004). Identifying Orphan G Protein Coupled Receptors in Drug Discovery. Drug Discovery Today: Technologies, 1(1): 61-68.

Weber M, Ferrer M, Zheng W, Inglese J, Strulovici B and Kunapuli P (2004). A 1,536-Well cAMP Assay for Gs- and Gi-Coupled Receptors Using Enzyme Fragmentation Complementation. ASSAY and Drug Development Technologies, 2(1): 39-49.

Deo SK (2004). Exploring bioanalytical applications of assisted protein reassembly. Anal Bioanal Chem. 379:383–390.

Carter AA and Hill SJ (2005). Characterization of Isoprenaline- and Salmeterol-Stimulated Interactions between 2-Adrenoceptors and -Arrestin 2 Using Galactosidase Complementation in C2C12 Cells. Journal of Pharmacology and Experimental Therapeutics, 315 (2): 839-848.

Eglen RM (2005). Functional G Protein-Coupled Receptor Assays for Primary and Secondary Screening. Combinatorial Chemistry & High Throughput Screening 8 (4): 311-318.

Eglen RM (2005). An Overview of High Throughput Screening at G Protein Coupled Receptors. Frontiers in Drug Design & Discovery, 1(1): 97-111.

Xue, L, Gyles SL, Wettey FR, Gazi L, Townsend E, Hunter MG, and Pettipher R (2005). Prostaglandin D2 Causes Preferential Induction of Proinflammatory Th2 Cytokine Production through an Action on Chemoattractant Receptor-Like Molecule Expressed on Th2 Cells. The Journal of Immunology, 175: 6531-536.

Wilson S, Wilkinson G, and Milligan G (2005). The CXCR1 and CXCR2 Receptors Form Constitutive Homo- and Heterodimers Selectively and with Equal Apparent Affinities. Journal of Biological Chemistry, 280(31) 28663-8674.

Thomsen W, Frazer J, and Unett D (2005). Functional Assays for Screening GPCR Targets. Current Opinion in Biotechnology 16(6): 655-65.

Wettey FR, Xue L, Pettipher R (2006). Salbutamol Inhibits Trypsin-mediated Production of CXCL8 by Keratinocytes. *Cytokine* 36.1-2: 29-34.

Jassen AK, Yang H, Miller GM, Calder E, Madras BK (2006). Receptor Regulation of Gene Expression of Axon Guidance Molecules: Implications for Adaptation. Molecular Pharmacology, 70(1): 71-77.

Yao BB, MukherjeeS, FanY, Garrison TR, Daza AV, Grayson GK, Hooker BA, Dart MJ, Sullivan JP and Meyer MD (2006). In vitro pharmacological characterization of AM1241: a protean agonist at the cannabinoid CB2 receptor. British Journal of Pharmacology, 149: 145–154.

Wainscott DB, Little SP, Yin T, Tu Y, Rocco VP, He JX, Nelson DL (2007). Pharmacologic Characterization of the Cloned Human Trace Amine-Associated Receptor1 (TAAR1) and Evidence for Species Differences with the Rat TAAR1. Journal of Pharmacology and Experimental Therapeutics, 320 (1): 475-85.

Nawoschik SP, Olsen M, Smith DL, Khawaja X (2007). Stable Expression of Adenylyl Cyclase 2 Leads to the Functional Rescue of Human 5-HT6 Receptor in a CHODUKX Cell Line. Journal of Pharmacological and Toxicological Methods, 55 (3): 323-31.

Selkirk JV, Nottebaum LM, Lee J, Yang W, Foster AC, Lechner SM (2007). Identification of Differential Melanocortin 4 Receptor Agonist Profiles at Natively Expressed Receptors in Rat Cortical Astrocytes and Recombinantly Expressed Receptors in Human Embryonic Kidney Cells. Neuropharmacology 52 (2): 459-66.

Bingham B, Jones PG, Uveges AJ, Kotnis S, Lu P, Smith VA, Sun SC, Resnick L, Chlenov M, He Y, Strassle BW, Cummons TA, Piesla MJ, Harrison JE, Whiteside GT, Kennedy JD (2007). Species-specific pharmacological Effects of the Cannabinoid Receptor 2 (CB2) Selective Ligand AM1241 and Its Resolved Enantiomers. British Journal of Pharmacology, 151(7): 1061-1070.

Ajit SK, Ramineni S, Edris W, Hunt RA, Hum WT, Hepler JR, Young KH (2007) . RGSZ1 Interacts with Protein Kinase C Interacting Protein PKCI-1 and Modulates Mu Opioid Receptor Signaling. Cellular Signalling, 19(4): 723-730.

McLoughlin DJ, Bertelli F, and Williams C (2007). The A, B, Cs of G-protein-coupled Receptor Pharmacology in Assay Development for HTS. Expert Opinion on Drug Discovery 2(5): 603-19.

Weber M, Muthusubramaniam L, Murray J, Hudak E, Kornienko O, Johnson EN, Strulovici B, and Kunapuli P (2007). Ultra-High-Throughput Screening for Antagonists of A Gi-Coupled Receptor in A 2.2-uL 3,456-Well Plate Format CyclicAMP Assay. ASSAY and Drug Development Technologies, 5 (1): 117-26.

Mettler SE, Ghayouri S, Christensen GP, Forte JG (2007). Modulatory Role of Phosphoinositide 3-kinase in Gastric Acid Secretion. *Am J Physiol Gastrointest Liver Physiol. 293(3):G532-43.*

Bora RS, Malik R, Arya R, Gupta D, Singh V, Aggarwal N, Dastidar S, Ray A, Saini KS (2007). A Reporter Gene Assay for Screening of PDE4 Subtype Selective Inhibitors. Biochemical and Biophysical Research Communications 356 (1): 153-58.

Yang JJ, Yoon S, Myung G, Gwak W, Kim G, Chung S. Lee S. Lee C. Kim and. Lee H (2007). Bile Acid-induced TGR5-dependent C-Jun-N Terminal Kinase Activation Leads to Enhanced Caspase 8 Activation in Hepatocytes. Biochemical and Biophysical Research Communications, 361(1): 156-61.

Sullivan NR, Leventhal L, Harrison J, Smith VA, Cummons TA, Spangler TB, Sun S-C, Lu P, Uveges AJ, Strassle BW, Piesla MJ, Ramdass R, Barry A, Schantz J, Adams W, Whiteside GT, Adedoyin A, and Jones PG (2007). Pharmacological Characterization of the Muscarinic Agonist (3R,4R)-3-(3-Hexylsulfanyl -pyrazin-2-yloxy)-1-aza-bicyclo [2.2.1] heptane (WAY-132983) in in Vitro and in Vivo Models of Chronic Pain. *Journal of Pharmacology and Experimental Therapeutics* 322.3 (2007): 1294-304.

Summerhill S, Stroud T, Nagendra R, Perroshuguet C, and Trevethick M (2008). A Cell-based Assay to Assess the Persistence of Action of Agonists Acting at Recombinant Human β2 Adrenoceptors. Journal of Pharmacological and Toxicological Methods 58 (3): 189-97.

Chin CL, Tovcimak AE, Hradil VP, Seifert TR, Hollingsworth PR, Chandran P, Zhu CZ, Gauvin D, Pai M, Wetter J, Hsieh GC, Honore P, Frost JM, Dart MJ, Meyer MD, Yao BB, Cox BF, Fox GB (2008). Differential Effects of Cannabinoid Receptor Agonists on Regional Brain Activity Using Pharmacological MRI. British Journal of Pharmacology 153 (2): 367-79.

Sandrock T, Terry A, Martin JC, Erdogan E, Meikle WA (2008) Detection of Thyroid-Stimulating Immunoglobulins by Use of Enzyme-Fragment Complementation.Clinical Chemistry, 54(8): 1401-402.

Arya R, Aslam S, Gupta S, Bora RS, Vijayakrishnan L, Gulati P, Naithani S, Mukherjee S, Dastidar S, Bhattacharya A, Saini KS (2008). Purification of Recombinant Human Phosphodiesterase 7A Expressed in Dictyostelium Discoideum. Protein Expression and Purification, 61(2): 149-54.

Snead AN, Miyakawa M, Tan ES, Scanlan TS (2008). Trace Amine-associated Receptor 1 (TAAR1) Is Activated by Amiodarone Metabolites. Bioorganic & Medicinal Chemistry Letters, 18 (22): 5920-922.

Lee T, Schwandner R, Swaminath G, Weiszmann J, Cardozo M, Greenberg J, Jaeckel P, Ge H, Wang Y, Jiao X, Liu J, Kayser F, Tian H, Li Y (2008). Identification and Functional Characterization of Allosteric Agonists for the G Protein-Coupled Receptor FFA2. Molecular Pharmacology, 74 (6): 1599-609.

Shemesh R, Toporik A, Levine Z, Hecht I, Rotman G, Wool A, Dahary D, Gofer E, Kliger Y, Soffer MA, Rosenberg A, Eshel D, Cohen Y (2008). Discovery and Validation of Novel Peptide Agonists for G-protein-coupled Receptors. Journal of Biological Chemistry, 283(50): 34643-4649.

Trani G, Baddeley SM, Briggs MA, Chuang TT, Deeks NJ, Johnson CN, Khazragi AA, Mead TL, Medhurst AD, Milner PH, Quinn LP, Ray AM, Rivers DA, Stean TO, Stemp G, Trail BK, Witty DR (2008). Tricyclic Azepine Derivatives as Selective Brain Penetrant 5-HT6 Receptor Antagonists. Bioorganic & Medicinal Chemistry Letters,18 (20): 5698-700.

Zeller J, Poulsen KT, Sutton JE, Abdiche YN, Collier S, Chopra R, Garcia CA, Pons J, Rosenthal A, Shelton DL (2008). CGRP Function-blocking Antibodies Inhibit Neurogenic Vasodilatation without Affecting Heart Rate or Arterial Blood Pressure in the Rat. British Journal of Pharmacology, 155(7): 1093-103.

Monaghan TK, Mackenzie CJ, Plevin R, Lutz EM (2008). PACAP-38 induces neuronal differentiation of human SH-SY5Y neuroblastoma cells via cAMP-mediated activation of ERK and p38 MAP kinases. J Neurochem, 104(1):74-88.

Liu F, Grauer S, Kelley C, Navarra R, Graf R, Zhang G, Atkinson PJ, Popiolek M, Wantuch C, Khawaja X, Smith D, Olsen M, Kouranova E, Lai M, Pruthi F, Pulicicchio C, Day M, Gilbert A, Pausch MH, Brandon NJ, Beyer CE, Comery TA, Logue S, Rosenzweig-Lipson S, and K. L. Marquis KL (2008). ADX47273 [S-(4-Fluoro-phenyl)--methanone]: A Novel Metabotropic Glutamate Receptor 5-Selective Positive Allosteric Modulator with Preclinical Antipsychotic-Like and Procognitive Activities. Journal of Pharmacology and Experimental Therapeutics, 327(3): 827-39.

Murray D L, Johnson EN, Wang P, Gauthier J, Bing N, Vanderwall D, Xu Z, Jensen , Cox RF, Kostura M and Sorensen SD (2009). Functional antagonism of IL-1α induced gene expression profiles define the cAMP/PKA pathway as a unique regulator of IL-1α signaling network. Journal of Receptors and Signal Transduction, 29 (5): 246-256

Bradley J and McLoughlin D (2009). Use of the DiscoveRx HitHunter cAMP II Assay for Direct Measurement of cAMP in Gs and Gi GPCRs. Methods in Molecular Biology, 552: 171-179.

Abbas AI, Hedlund PB, Huang X-P, Tran TB, Meltzer HY and Roth BL (2009). Amisulpride is a potent 5-HT7 antagonist: relevance for antidepressant actions in vivo. Psychopharmacology, 205 (1): 119-128.

Fan P, Jiang Z, Diamond I and Yao L (2009). Up-Regulation of AGS3 during Morphine Withdrawal Promotes cAMP Superactivation via Adenylyl Cyclase 5 and 7 in Rat Nucleus Accumbens/Striatal Neurons. Molecular Pharmacology, 76 (3): 526-533

Zhu CZ, Mikusa JP, Fan Y, Hollingsworth PR, Pai M, Chandran P, Daza AV, Yao BB, Dart MJ, Meyer MD, Decker MW, Hsieh GC and Honore P (2009). Peripheral and central sites of action for the non-selective cannabinoid agonist WIN 55,212-2 in a rat model of post-operative pain. British Journal of Pharmacology, 157: 645–655

Shemesh, R., Hermesh, C., Toporik, A., Levine, Z., Novik, A., Wool, A., Kliger, Y., Rosenberg, A., Bathgate, R. A. D. and Cohen Y (2009), Activation of Relaxin-Related Receptors by Short, Linear Peptides Derived from a Collagen-Containing Precursor. Annals of the New York Academy of Sciences, 1160: 78–86.

Mancini I, Brusa R, Quadrato G, Foglia C, Scandroglio P, Silverman L, Tulshian D, Reggiani A and Beltramo M (2009). Constitutive activity of cannabinoid-2 (CB2) receptors plays an essential role in the protean agonism of (+) AM1241 and L768242. British Journal of Pharmacology, 158: 382–391.

Sieben A, Prenner L, Sorkalla T, Wolf A, Jakobs D, Runkel F, Haberlein H (2009). α-Hederin, but not hederacoside C and hederagenin from hedera helix, affects the binding behavior, dynamics, and regulation of β2-adrenergic receptors. Biochemistry 48 (15): 3477-3482.

Hu LA, Tang PM, Eslahi NK, Zhou T, Barbosa J, Liu Q (2009). Identification of surrogate agonists and antagonists for orphan G-protein-coupled receptor GPR139. J Biomol Screen. 14(7):789-97.

Roncarati R, Scali C, Comery TA, Grauer SM, Aschmi S, Bothmann H, Jow B, Kowal D, Gianfriddo M, Kelley C, Zanelli U, Ghiron C, Haydar S, Dunlop J, and Terstappen GC (2009). Procognitive and Neuroprotective Activity of a Novel α7 Nicotinic Acetylcholine Receptor Agonist for Treatment of Neurodegenerative and Cognitive Disorders . J Pharmacol. Exp. Ther. 329:459-468.

Prasannaa G, Fortnerf J, Xiangb C, Zhang E, Carreiroa S, Scott Anderson S, Sartnurakc S, Wuc G, Gukasyanc H, Niesmana M, Naird S, Ruid E, Lafontained J, Almadene CD, Wellse P and Kraussa A (2009). Ocular pharmacokinetics and hypotensive activity of PF-04475270, an EP4 prostaglandin agonist in preclinical models. Experimental Eye Research, 89 (5): 608-617.

Heinrich JN, Butera JA, Carrick T, Kramer A, Kowal D, Lock T, Marquis KL, Pausch MH, Popiolek M, Sun S-C, Tseng E, Uveges AJ, Mayer SC (2009). Pharmacological comparison of muscarinic ligands: Historical versus more recent muscarinic M1-preferring receptor agonists. European Journal of Pharmacology, 605 (1-3): 53-56.

Dschietzig T, Bartsch C, Baumann G, and Stangl K (2009). RXFP1-inactive relaxin activates human glucocorticoid receptor: Further investigations into the relaxin-GR pathway. Regulatory Peptides, 154 (1-3): 77-84.

Griffith DA, Hadcock JR, Black SC, Iredale PA, Carpino PA, DaSilva-Jardine P, Day R, DiBrino J, Dow RL, Landis MS, O'Connor RE and Scott DO (2009). Discovery of 1-[9-(4-Chlorophenyl)-8-(2-chlorophenyl) -9H-purin-6-yl] -4-ethylaminopiperidine-4-carboxylic Acid Amide Hydrochloride (CP-945,598), a Novel, Potent, and Selective Cannabinoid Type 1 Receptor Antagonist. J. Med. Chem. 52 (2): 369–378.

Dastidar SG, Ray A, Shirumalla R, Rajagopal D, Chaudhary S, Nanda K, Sharma P, Seth MK, Balachandran S, Gupta N, Palle V (2009). Pharmacology of a Novel, Orally Active PDE4 Inhibitor. Pharmacology 83: 275-286.

Simon S, Young TJ, Nickolls SA (2009). The effect of assay formats on the estimation of melanocortin agonist affinity and efficacy using the operation model of agonism. European Journal of Pharmacology, 615 (1-3): 33-39.

Sanger GJ, Westaway SM, Barnes AA,. Macpherson DT, Muir AI, Jarvie EM, Bolton VN (2009). GSK962040: a small molecule, selective motilin receptor agonist, effective as a stimulant of human and rabbit gastrointestinal motility. Neurogastroenterology & Motility, 21 (6):657–e31.

Tan ES, Naylor JC, Groban ES, Bunzow JR, Jacobson MP, Grandy DK, Scanlan TS (2009). The Molecular Basis of Species-Specific Ligand Activation of Trace Amine-Associated Receptor 1 (TAAR1). ACS Chemical Biology, 4(3): 209-220.

Bazhina AV, Kahnerta S, Kimpflera S, Schadendorfc D and Umanskya V (2010). Distinct metabolism of cyclic adenosine monophosphate in regulatory and helper CD4+ T cells. Molecular Immunology, 47 (4): 678-684

King-Keller S, Li M, Smith A, Zheng S, Kaur G, Yang X, Wang B, Docampo R (2010). Chemical validation of phosphodiesterase C as a chemotherapeutic target in Trypanosoma cruzi, the etiological agent of Chagas' disease. Antimicrob. Agents Chemother. 54(9):3738-3745.

Hampton SL and Kinnaird AI (2010). Genetic interventions in mammalian cells; applications and uses in high-throughput screening and drug discovery. Cell Biology and Toxicology, 26 (1): 43-55.

Yang M, Chisholma JW, Soelaimana S and Shryocka JC (2010). Sulfonylureas uncouple glucose-dependence for GPR40-mediated enhancement of insulin secretion from INS-1E cells. Molecular and Cellular Endocrinology, 315 (1-2):308-313

Eapen MS, Sodhi R, Balakrishnan G, Dastidar S, Ray A and Vijayakrishnan L (2010). Evaluation of Nonradioactive Cell-Free cAMP Assays for Measuring in vitro Phosphodiesterase Activity. Pharmacology, 85(5):280-285.

Wanga Y, Jiaoa X, Kaysera F, Liua J, Wanga Z, Wanskaa M, Greenbergb J, Weiszmannb J, Hongfei Geb, Tian H, Wong S, Schwandnerd R, Leeb T and Lib Y (2010). The first synthetic agonists of FFA2: Discovery and SAR of phenylacetamides as allosteric modulators. Bioorganic & Medicinal Chemistry Letters, 20 (2): 493-498.

Cole DC, Gross JL, Comery TA, Aschmies S, Hirst WD, Kelley C, Kim JI, Ellingboe JW (2010). Benzimidazole- and indole-substituted 1,3'-bipyrrolidine benzamides as histamine H3 receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 20 (3): 1237-1240.

Bradley SR, Lameh J, Ohrmund L, Son T, Bajpai A, Nguyen D, Friberg M, Bonhaus DW (2010). AC-260584, an orally bioavailable M1 muscarinic receptor allosteric agonist, improves cognitive performance in an animal model. Neuropharmacology, 58 (2): 365-373.

Cheung AW, Brinkman J, Firooznia F, Flohr A, Grimsby J, Gubler ML, Guertin K, Hamid R, Marcopulos N, Norcross RD, Qi L, Ramsey G, Tan J, Wen Y and Sarabu R (2010). 4-Substituted-7-N-alkyl-N-acetyl 2-aminobenzothiazole amides: Drug-like and non-xanthine based A2B adenosine receptor antagonists. Bioorganic & Medicinal Chemistry Letters, 20 (14): 4140-4146.

Frost JM, Dart MJ, Tietje KR, Garrison TR, Grayson GK, Daza AV, El-Kouhen OF, Yao BB, Hsieh GC, Pai M, Zhu CZ, Chandran P, Michael D (2010). Meyer1.Indol-3-ylcycloalkyl Ketones: Effects of N1 Substituted Indole Side Chain Variations on CB2 Cannabinoid Receptor Activity. Journal of Medicinal Chemistry, 53 (1): 295-315

Haque TS, Lee VG, Riexinger D, Lei M, Malmstrom S, Xin L, Han S, Krupinski J (2010). Identification of potent 11mer Glucagon-Like Peptide-1 Receptor agonist peptides with novel C-terminal amino acids: Homohomophenylalanine analogs. Peptides, 31 (5): 950-955.

Dwyera JM, Platta BJ, Stacey J. Rizzoa SJS, Claudine M. Pulicicchioa CM, Wantucha C, Zhang M-Y, Cummonsa T, Leventhala L, Bendera CN, Zhang J, Kowal D, Lu S, S. Rajarao JR, Smith DL, Shilling AD, Wang J, Butera J, Resnick L, Rosenzweig-Lipson S, Schechter LE and Beyer CE (2010). Preclinical characterization of BRL 44408: antidepressant- and analgesic-like activity through selective α2A-adrenoceptor antagonism. The International Journal of Neuropsychopharmacology, 13:1193-1205

Lameh J, Bertozzi F, Kelly N, Jacobi PM, Nguyen D, Bajpai A, Gaubert G, Olsson R, and Gardell LR (2010). Neuropeptide ff receptors have opposing modulatory: Effects on nociception. J Pharmacol Exp Ther. 334:244-254.

Leonti M, Casu L, Raduner S, Cottiglia F, Floris C, Altmann K.-H, Gertsch J (2010). Falcarinol is a covalent cannabinoid CB1 receptor antagonist and induces pro-allergic effects in skin. Biochemical Pharmacology, 79 (12): 1815-1826.

Nygaard R, Valentin-Hansen L, Mokrosinski J, Frimurer TM and Schwartz TW (2010). Conserved Water-mediated Hydrogen Bond Network between TM-I, -II, -VI, and -VII in 7TM Receptor Activation. The Journal of Biological Chemistry, 285, 19625-19636.

Chen XP, Yang W, Fan Y, Luo JS, Hong K, Wang Z, Yan JF, Chen X, Lu JX, Benovic JL, Zhou NM (2010). Structural determinants in the second intracellular loop of the human cannabinoid CB(1) receptor mediate selective coupling to G(s) and G(i). Br J Pharmacol. [Epub ahead of print], PMID: 20735408.

East SP, Bamford S, Dietz MG, Eickmeier C, Flegg A, Ferger B, Gemkow MJ, Heilker R, Hengerer B, Kotey A, Loke P, Schänzle G, Schubert HD, Scott J, Whittaker M, Williams M, Zawadzki P, Gerlach K (2010). An orally bioavailable positive allosteric modulator of the mGlu4 receptor with efficacy in an animal model of motor dysfunction. Bioorg. Med. Chem. Lett. 15;20(16):4901-5.

Customer Posters

cAMP Detection Using Enzyme Fragment Complementation (EFC) Miniaturization and Automation for Production uHTS. (2003) Baddeley, S. *et al.*; 9th Annual SBS Conference, Portland. **(GSK)**

DiscoveRx HitHunter Enzyme Fragment Complementation Chemiluminescence Assay for the detection of cAMP Production from membranes and whole cells for GPCRs (2004). Milton R, Bevan N and Allen M. Miptec, Basel (CH). **(GSK)**

Use of HitHunter cAMP Screening in the Discovery of Agonists for a Gi Coupled GPCR. (2003) Kassner, *P.D.* et al.; 9th Annual SBS Conference, Portland. **(Tularik)**

An Improved Enzyme Fragment Complementation (EFC) Assay Technology for Detection of cAMP in miniaturized and Automated uHTS. (2004) Slack, R. et al.; 10th Annual SBS Conference, Orlando. **(GSK)**

Functional Characterization of the Human Metabotrophic GABAb Receptor Complex. (2004) Nucci, C. *et al.*; 10th Annual SBS Conference, Orlando. **(Axxam SRL)**

A 1536-well cAMP Assay for Gs and Gi-Coupled Receptors. (2004) Weber M, Ferrer M, Zheng W, Strulovici B and Kunapuli P; 10th Annual SBS Conference, Orlando. **(Merck & Co)**

A Homogenous, Nonradioactive cAMP assay for a Gi-coupled Receptor (2004). Lei M, Smith M, Soh S, Visconti R, Lachowicz, Hart R and Barrabee E; 10th Annual SBS Conference, Orlando. **(Schering Plough)**

Application of Enzyme Complementation Technology for Identifying Antagonists for a Gi Coupled Receptor. (2004) Towne, D. *et al.*; 10th Annual SBS conference, Orlando. **(Abbott)**

Comparison of HitHunter cAMP chemiluminescent Assays Using LEADseeker Multimodality Imaging System. (2004) Lowitz, K. *et al.*; ScreenTech World Summit, San Diego. **(GE HealthCare)**

Comparison of HTRF and HitHunter cAMP Assay Technologies for HTS (2005). Prisco, J. *et al.*;11th Annual SBS conference, Geneva. **(Novartis)**

Comparison of potency and selectivity of β adrenoceptor agonists at human and canine recombinant β1 and 2 adrenoceptors. (2007) Coghlan, M.N. *et al.*; Proc Life Sciences, PC439:

Measurement of low levels of cAMP using a new Enzyme Fragment Complementation (EFC)competitive immunoassay. (2008) Tinkler, H. *et al.*; *Screening Europe, Stockholm*: **(GE HealthCare)**

Rapid Automated Development of Cell Based Assays for Screening GPCRs, Ion Channels and other Target Molecules Using the MaxCyte® STX™ Scalable Transient Transfection System (2009). Brady J et.al. MipTec Conference, Basel. **(Maxcyte)**

PathHunter™ Ultra High Throughput Screen of a Gi-coupled GPCR Identifies Both Neutral and Beta- Arrestin-Biased Ligands. (2010) Patel et.al. 16th Annual SBS Conference. **(Merck & Co)**

Identifying Positive Allosteric Modulators of a G Protein-Coupled Receptor Using a 2.0 uL Functional Cell Based Assay. (2010) Health JT et.al. 16th Annual SBS Conference. **(Merck & Co)**

Talks

Priya Kunapulli, Merck (2004), SBS: A Miniaturized 1536-well cAMP assay for Gs and Gi-coupled receptors for HTS.

Veronica Soloveva, Wyeth Research, (2005), LRIG: Fully Automated Thermo/CRS Robotic assay.

Mike Weber, Merck (2006), ELRIG: Ultra-High-Throughput Screening for Antagonists of A Gi-Coupled Receptor in A 2.2-m l 3,456-Well Plate Format cAMP Assay.

Priya Kunapuli, Merck (2010), Post-Conference Interactive Workshop: Cell-Based Assays: Emerging GPCR assay technologies for drug discovery.

Application Notes

Focus: HitHunter cAMP XS+ on BMG Instrument
New HitHunter™cAMP XS+ Assay for GPCR Screening Using the PHERAstar

Focus: PDE
Measurement of Phosphodiesterase Activity Using HitHunter™ cAMP II

Focus: 1536 on Deerac instrument
1536 Application for HitHunter™ cAMP XS+ Using Deerac Equator™ HTS

Focus: HitHunter cAMP on Berthold
HitHunter™ cAMP HS+ assay with Mithras LB 940

Focus: Comparison of cAMP technologies
Chemiluminescent cAMP detection using DiscoveRx HitHunter™ Kits compared with TR-FRET-based cAMP Detection

Focus: SpectraMax
Chemiluminescent cAMP detection by HitHunter™ cAMP XS+ on SpectraMax® L Luminometer