



## **Publications on HummingBird transfer system. (2002 – August 2011).**

### **2011.**

#### **[Assay Development and High-Throughput Screening of Small Molecular c-Abl Kinase Activators.](#)**

Josh Cottom, Glenn Hofmann, Brett Siegfried, Jingsong Yang, Hong Zhang, Tracey Yi, Thau F. Ho, Chad Quinn, Da-Yuan Wang, Kyung Johanson, Robert S. Ames, Hu Li  
*J Biomolecular Screening*, January 2011; 16(1): 53-64

#### **[High-Throughput Screening Assay for Sphingosine Kinase Inhibitors in Whole Blood Using RapidFire<sup>®</sup> Mass Spectrometry.](#)**

Maureen K. Highkin, Matthew P. Yates, Olga V. Nemirovskiy, William A. Lamarr, Grace E. Munie, John W. Rains, Jaime L. Masferrer, Marek M. Nagiec  
*J Biomolecular Screening*, February 2011; 16(2): 272-277

#### **[Substrate and product analogues as human O-GlcNAc transferase inhibitors.](#)**

Helge C. Dorfmueller, Vladimir S. Borodkin, David E. Blair, Shalini Pathak, Iva Navratilova, and Daan M. F. van Aalten  
*Amino Acids*, March 2011; 40(3): 781–792.

#### **[Pharmacology of GPR55 in Yeast and Identification of GSK494581A as a Mixed-Activity Glycine Transporter Subtype 1 Inhibitor and GPR55 Agonist.](#)**

Andrew J. Brown, Dion A. Daniels, Mumta Kassim, Sue Brown, Carl P. Haslam, Victoria R. Terrell, Jason Brown, Paula L. Nichols, Penny C. Staton, Alan Wise and Simon J. Dowell  
*J Pharmacology and Experimental Therapeutics*, April 2011; 337(1): 236-246.

#### **[In vitro and in vivo characterization of the novel GABA<sub>B</sub> receptor positive allosteric modulator, 2-{1-\[2-\(4-chlorophenyl\)-5-methylpyrazolo\[1,5-a\]pyrimidin-7-yl\]-2-piperidinyl}ethanol \(CMPPE\).](#)**

Elisabetta Perdonà, Vivian J.A. Costantini, Michela Tessari, Prisca Martinelli, Corrado Carignani, Enzo Valerio, M.H. Selina Mok, Laura Zonzini, Filippo Visentini, Massimo Gianotti, Laurie Gordon, Magalie Rocheville, Mauro Corsi and Anna Maria Capelli  
*Neuropharmacology*, 2011; Article in Press, Corrected Proof

#### **[Aminomethyl substituted thieno\[2,3-d\]pyrimidines as adenosine A<sub>2A</sub> receptor antagonists.](#)**

Brian C. Shook, Devraj Charavarty, J. Kent Barbay, Aihua Wang, Kristi Leonard, Vernon Alford, Mark Powell, Derek A. Beauchamp, Stefanie Rassnick, Robert Scannevin, Karen Carroll, Nathaniel Wallace, Jeffrey Crooke, Mark Ault, Lisa Lampron, Lori Westover, Kenneth Rhodes and Paul F. Jackson  
*Med. Chem. Commun.*, 2011; First published on the web 19 May 2011

### **2010.**

**Non-peptidic antagonists of the CGRP receptor, BIBN4096BS and MK-0974, interact with the calcitonin receptor-like receptor via methionine-42 and RAMP1 via tryptophan-74**

Philip S. Miller, James Barwell, David R. Poyner, Mark J. Wigglesworth, Stephen L. Garland and Dan Donnelly

*Biochemical and Biophysical Research Communications*, 1 January 2010; 391(1): 437-442

**A Dual Estrogen Receptor TR-FRET Assay for Simultaneous Measurement of Steroid Site Binding and Coactivator Recruitment.**

Tarek Hilal, Vera Puetter, Christiane Otto, Karsten Parczyk and Benjamin Bader

*J Biomolecular Screening*, March 2010; 15(3): 268-278

**N-Myristoyltransferase inhibitors as new leads to treat sleeping sickness.**

Julie A. Frearson, Stephen Brand, Stuart P. McElroy, Laura A.T. Cleghorn, Ondrej Smid, Laste Stojanovski, Helen P. Price, M. Lucia S. Guther, Leah S. Torrie, David A. Robinson, Irene Hallyburton, Chidochangu P. Mpamhanga, James A. Brannigan, Anthony J. Wilkinson, Michael Hodgkinson, Raymond Hui, Wei Qiu, Olawale G. Raimi, Daan M. F. van Aalten, Ruth Brenk, Ian H. Gilbert, Kevin D. Read, Alan H. Fairlamb, Michael A. J. Ferguson, Deborah F. Smith, Paul G. Wyatt  
*Nature*, 1 April 2010; 464(7289): 728–732.

**Development of a High-Throughput Cell-Based Assay for Superoxide Production in HL-60 Cells.**

Patricia M. Seitz, Rona Cooper, Gregory J. Gatto Jr., Fernando Ramon, Thomas D. Sweitzer, Douglas G. Johns, Elizabeth A. Davenport, Robert S. Ames and Lorena A. Kallal

*J Biomolecular Screening*, April 2010; 15(4): 388-397

**Acetazolamide-based fungal chitinase inhibitors.**

Alexander W. Schüttelkopf, Ludovic Gros, David E. Blair, Julie A. Frearson, Daan M.F. van Aalten and Ian H. Gilbert

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**Kinetic assay for characterization of spleen tyrosine kinase activity and inhibition with recombinant kinase and crude cell lysates.**

Min Li, Paolo Luraghi, Augustin Amour, Xiao-Dong Qian, Paul S. Carter, C.J. Clark, Angela Deakin, Jane Denyer, Clare I. Hobbs, Mark Surby, Vipul K. Patel and Erik M. Schaefer

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**Apparatus and methods for liquid sample handling based on capillary action.**

Inventors: Clark, Jay; Churchill, Carl

US Patent Application: 20090301232 A1; Publication Date: 10 December 2009;

**Chemical Validation of Trypanothione Synthetase: A potential drug target for human trypanosomiasis.**

Leah S. Torrie, Susan Wyllie, Daniel Spinks, Sandra L. Oza, Stephen Thompson, Justin R. Harrison, Ian H. Gilbert, Paul G. Wyatt, Alan H. Fairlamb and Julie A. Frearson

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**HTS and hit finding in academia – from chemical genomics to drug Discovery.**

Julie A. Frearson and Iain T. Collie

*Drug Discovery Today*, December 2009; 14(23-24): 1150–1158.

**Evaluation of an Antibody-Free ADP Detection Assay: ADP-Glo**

Hu Li, Rachel D. Totoritis, Leng A. Lor, Benjamin Schwartz, Peter Caprioli, Anthony J. Jurewicz, Guofeng Zhang.

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**A One-Day, Dispense-Only IP-One HTRF Assay for High-Throughput Screening of G<sub>αq</sub> Protein-Coupled Receptors: Towards Cells as Reagents.**

Christian Bergsdorf, Carmen Kropp-Goerkis, Irene Kaehler, Lars Ketscher, Ulf Boemer, Karsten Parczyk, Benjamin Bader

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**Lessons Learnt from Assembling Screening Libraries for Drug Discovery for Neglected Diseases.**

Ruth Brenk, Alessandro Schipani, Daniel James, Agata Krasowski, Ian Hugh Gilbert, Julie Frearson, and Paul Graham Wyatt

*ChemMedChem*, 14 March 2008; 3(3): 435–444.

**A High-Throughput Screen for Endothelial Lipase Using HDL as Substrate.**

Paul M. Keller, Timothy Rust, Dennis J. Murphy, Rosalie Matico, John J. Trill, John A. Krawiec, Anthony Jurewicz, Michael Jaye, Mark Harpel, Sara Thrall, and Benjamin Schwartz

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**Assay Concordance between SPA and TR-FRET in High-Throughput Screening.**

Oliver Von Ahsen, Anne Schmidt, Monika Klotz, Karsten Parczyk

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**Targeting Ceramide Metabolism with a Potent and Specific Ceramide Kinase Inhibitor.**

Christine Graf, Martin Klumpp, Michael Habig, Philipp Rovina, Andreas Billich, Thomas Baumruker, Berndt Oberhauser, and Frédéric Bornancin

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**[A Simple Assay for Detection of Small-Molecule Redox Activity.](#)**

Leng A. Lor, Jessica Schneck, Dean E. McNulty, Elsie Diaz, Martin Brandt, Sara H. Thrall, Benjamin Schwartz

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*Biochemistry*, 2 May 2006; 45 (17): 5678–5685

**[Effect of construct design on MAPKAP kinase-2 activity, thermodynamic stability and ligand-binding affinity.](#)**

Jukka Kervinen, Hongchang Ma, Shariff Bayoumy, Carsten Schubert, Cynthia Milligan, Frank Lewandowski, Kevin Moriarty, Renee L. DesJarlais, Kannan Ramachandren, Haiyun Wang, Crafford A. Harris, Bruce Grasberger, Matthew Todd, Barry A. Springer and Ingrid Deckman  
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K. V. Dunlop and B. Hazes  
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**[A nanovolume crystallization robot that creates its crystallization screens on-the-fly.](#)**

B. Hazes and L. Price

*Acta Crystallography Ser. D: Biol Crystallography*, August 2005; 61(8): 1165-1171

**2004.**

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