



Scientific Papers using Accutase/Accumax

A modular and flexible ESC-based mouse model of pancreatic cancer

Michael Saborowski, Anna Saborowski, John P. Morris, IV, Benedikt Bosbach, Lukas E. Dow, Jerry Pelletier, David S. Klimstra, and Scott W. Lowe
Genes & Dev. 2014; 28:85-97.

TRAIL-coated leukocytes that kill cancer cells in the circulation

Michael J. Mitchell, Elizabeth Wayne, Kuldeepsinh Rana, Chris B. Schaffer, and Michael R. King
PNAS. published 6 January 2014, 10.1073/pnas.1316312111

Comprehensive Quantitative Comparison of the Membrane Proteome, Phosphoproteome, and Sialome of Human Embryonic and Neural Stem Cells

Marcella Nunes Melo-Braga, Melanie Schulz, Qiuyue Liu, Andrzej Swistowski, Giuseppe Palmisano, Kasper Engholm-Keller, Lene Jakobsen, Xianmin Zeng, and Martin Røssel Larsen
Mol. Cell. Proteomics. 2014; 13:311-328.

IL-32 Promotes Angiogenesis

Claudia A. Nold-Petry, Ina Rudloff, Yvonne Baumer, Menotti Ruvo, Daniela Marasco, Paolo Botti, Laszlo Farkas, Steven X. Cho, Jarod A. Zepp, Tania Azam, Hannah Dinkel, Brent E. Palmer, William A. Boisvert, Carlyne D. Cool, Laima Taraseviciene-Stewart, Bas Heinrichs, Leo A. B. Joosten, Charles A. Dinarello, Norbert F. Voelkel, and Marcel F. Nold
J. Immunol. 2014; 192:589-602.

Multiple knockout mouse models reveal lincRNAs are required for life and brain development

Martin Sauvageau, Loyal A Goff, Simona Lodato, Boyan Bonev, Abigail F Groff, Chiara Gerhardinger, Diana B Sanchez-Gomez, Ezgi Hacisuleyman, Eric Li, Matthew Spence, Stephen C Liapis, William Mallard, Michael Morse, Mavis R Swerdel, Michael F D'Ecclessis, Jennifer C Moore, Venus Lai, Guochun Gong, George D Yancopoulos, David Frendewey, Manolis Kellis, Ronald P Hart, David M Valenzuela, Paola Arlotta, and John L Rinn
eLife Sci. 2013; 2:e01749.

Direct conversion of patient fibroblasts demonstrates non-cell autonomous toxicity of astrocytes to motor neurons in familial and sporadic ALS

Kathrin Meyer, Laura Ferraiuolo, Carlos J. Miranda, Shibi Likhite, Sohyun McElroy, Samantha Renusch, Dara Ditsworth, Clotilde Lagier-Tourenne, Richard A. Smith, John Ravits, Arthur H. Burghes, Pamela J. Shaw, Don W. Cleveland, Stephen J. Kolb, and Brian K. Kaspar
PNAS. published 30 December 2013, 10.1073/pnas.1314085111

Macrophage-derived reactive oxygen species suppress miR-328 targeting CD44 in cancer cells and promote redox adaptation

Takatsugu Ishimoto, Hidetaka Sugihara, Masayuki Watanabe, Hiroshi Sawayama, Masaaki Iwatsuki, Yoshifumi Baba, Hirohisa Okabe, Kosei Hidaka, Naomi Yokoyama, Keisuke Miyake, Momoko Yoshikawa, Osamu Nagano, Yoshihiro Komohara, Motohiro Takeya, Hideyuki Saya, and Hideo Baba
Carcinogenesis. published 30 December 2013, 10.1093/carcin/bgt402

A fully defined and scalable 3D culture system for human pluripotent stem cell expansion and differentiation



Yuguo Lei and David V. Schaffer
PNAS. 2013; 110:E5039-E5048.

PI3K/Akt1 signalling specifies foregut precursors by generating regionalized extra-cellular matrix

S Nahuel Villegas, Michaela Rothová, Martin E Barrios-Llerena, Maria Pulina, Anna-Katerina Hadjantonakis, Thierry Le Bihan, Sophie Astrof, and Joshua M Brickman
eLife Sci. 2013; 2:e00806.

LORD-Q: a long-run real-time PCR-based DNA-damage quantification method for nuclear and mitochondrial genome analysis

Simon Lehle, Dominic G. Hildebrand, Britta Merz, Peter N. Malak, Michael S. Becker, Peter Schmezer, Frank Essmann, Klaus Schulze-Osthoff, and Oliver Rothfuss
Nucleic Acids Res. published 26 December 2013, 10.1093/nar/gkt1349

A novel C19MC amplified cell line links Lin28/let-7 to mTOR signaling in embryonal tumor with multilayered rosettes

Tara Spence, Christian Perotti, Patrick Sin-Chan, Daniel Picard, Wei Wu, Anjali Singh, Colleen Anderson, Michael D. Blough, J. Gregory Cairncross, Lucie Lafay-Cousin, Douglas Strother, Cynthia Hawkins, Aru Narendran, Annie Huang, and Jennifer A. Chan
Neuro Oncology. 2014; 16:62-71.

Role of Calcium and EPAC in Norepinephrine-Induced Ghrelin Secretion

Bharath K. Mani, Jen-Chieh Chuang, Lilja Kjalarsdottir, Ichiro Sakata, Angela K. Walker, Anna Kuperman, Sherri Osborne-Lawrence, Joyce J. Repa, and Jeffrey M. Zigman
Endocrinology. 2014; 155:98-107.

Long-Term Neuroprotective Effects of NT-4-Engineered Mesenchymal Stem Cells Injected Intravitreally in a Mouse Model of Acute Retinal Injury

Anna Machalinska, Milosz Kawa, Ewa Pius-Sadowska, Jacek Stepniewski, Witold Nowak, Dorota Roginska, Katarzyna Kaczynska, Bartlomiej Baumert, Barbara Wiszniewska, Alicja Józkowicz, Józef Dulak, and Boguslaw Machalinski
Invest. Ophthalmol. Vis. Sci. 2013; 54:8292-8305.

PI3K/Akt1 signalling specifies foregut precursors by generating regionalized extra-cellular matrix

S Nahuel Villegas, Michaela Rothová, Martin E Barrios-Llerena, Maria Pulina, Anna-Katerina Hadjantonakis, Thierry Le Bihan, Sophie Astrof, and Joshua M Brickman
eLife Sci. 2013; 2:e00806.

Thymosin beta 4 gene silencing decreases stemness and invasiveness in glioblastoma

Hans-Georg Wirsching, Shanmugarajan Krishnan, Ana-Maria Florea, Karl Frei, Niklaus Krayenbühl, Kathy Hasenbach, Guido Reifenberger, Michael Weller, and Ghazaleh Tabatabai
Brain. published 18 December 2013, 10.1093/brain/awt333

Rapid and Efficient Differentiation of Human Pluripotent Stem Cells into Intermediate Mesoderm That Forms Tubules Expressing Kidney Proximal Tubular Markers

Albert Q. Lam, Benjamin S. Freedman, Ryuji Morizane, Paul H. Lerou, M. Todd Valerius, and Joseph V. Bonventre
J. Am. Soc. Nephrol. published 19 December 2013, 10.1681/ASN.2013080831



A disintegrin and metalloproteinases 10 and 17 modulate the immunogenicity of glioblastoma-initiating cells

Fabian Wolpert, Isabel Tritschler, Alexander Steinle, Michael Weller,, and Günter Eisele
Neuro Oncology. published 9 December 2013, 10.1093/neuonc/not232

A High-Throughput Screen for Teratogens Using Human Pluripotent Stem Cells

Sei Kameoka, Joshua Babiarz, Kyle Kolaja, and Eric Chiao
Toxicol. Sci. published 12 December 2013, 10.1093/toxsci/kft239

The Orphan Adhesion G Protein-coupled Receptor GPR97 Regulates Migration of Lymphatic Endothelial Cells via the Small GTPases RhoA and Cdc42

Nadejda Valtcheva, Adriana Primorac, Giorgia Jurisic, Maija Hollmén, and Michael Detmar
J. Biol. Chem. 2013; 288:35736-35748.

CCAAT/enhancer binding protein-mediated regulation of TGF β receptor 2 expression determines the hepatoblast fate decision

Kazuo Takayama, Kenji Kawabata, Yasuhito Nagamoto, Mitsuru Inamura, Kazuo Ohashi, Hiroko Okuno, Tomoko Yamaguchi, Katsuhisa Tashiro, Fuminori Sakurai, Takao Hayakawa, Teruo Okano, Miho Kusada Furue, and Hiroyuki Mizuguchi
Development. 2014; 141:91-100.

Activation of the Wnt Pathway through AR79, a GSK3 β Inhibitor, Promotes Prostate Cancer Growth in Soft Tissue and Bone

Yuan Jiang, Jinlu Dai, Honglai Zhang, Joe L. Sotnik, Jill M. Keller, Katherine J. Escott, Hitesh J. Sangane, Zhi Yao, Laurie K. McCauley, and Evan T. Keller
Mol. Cancer Res. 2013; 11:1597-1610.

SILAC-Based Proteomics of Human Primary Endothelial Cell Morphogenesis Unveils Tumor Angiogenic Markers

Sara Zanivan, Federica Maione, Marco Y. Hein, Juan Ramon Hernández-Fernaud, Paweł Ostasiewicz, Enrico Giraudo, and Matthias Mann
Mol. Cell. Proteomics. 2013; 12:3599-3611.

Response of primary glioblastoma cells to therapy is patient specific and independent of cancer stem cell phenotype

Shaun D. Fouse, Jean L. Nakamura, C. David James, Susan Chang, and Joseph F. Costello
Neuro Oncology. published 4 December 2013, 10.1093/neuonc/not223

A novel C19MC amplified cell line links Lin28/let-7 to mTOR signaling in embryonal tumor with multilayered rosettes

Tara Spence, Christian Perotti, Patrick Sin-Chan, Daniel Picard, Wei Wu, Anjali Singh, Colleen Anderson, Michael D. Blough, J. Gregory Cairncross, Lucie Lafay-Cousin, Douglas Strother, Cynthia Hawkins, Aru Narendran, Annie Huang, and Jennifer A. Chan
Neuro Oncology. published 4 December 2013, 10.1093/neuonc/not162

DICE, an efficient system for iterative genomic editing in human pluripotent stem cells

Fangfang Zhu, Matthew Gamboa, Alfonso P. Farruggio, Simon Hippenmeyer, Bosiljka Tasic, Birgitt Schüle, Yanru Chen-Tsai, and Michele P. Calos
Nucleic Acids Res. published 4 December 2013, 10.1093/nar/gkt1290



Polycomb Repressive Complex 2 Silences Human Cytomegalovirus Transcription in Quiescent Infection Models

Christopher G. Abraham and Caroline A. Kulesza
J. Virol. 2013; 87:13193-13205.

Nuclear interferon-inducible protein 16 promotes silencing of herpesviral and transfected DNA

Megan H. Orzalli, Sara E. Conwell, Christian Berrios, James A. DeCaprio, and David M. Knipe
PNAS. 2013; 110:E4492-E4501.

Neural Stem Cell-Mediated Delivery of Irinotecan-Activating Carboxylesterases to Glioma: Implications for Clinical Use

Marianne Z. Metz, Margarita Gutova, Simon F. Lacey, Yelena Abramants, Tien Vo, Megan Gilchrist, Revathiwari Tirughana, Lucy Y. Ghoda, Michael E. Barish, Christine E. Brown, Joseph Najbauer, Philip M. Potter, Jana Portnow, Timothy W. Synold, and Karen S. Aboody
Stem Cells Trans Med. 2013; 2:983-992.

SIRPa polymorphisms, but not the prion protein, control phagocytosis of apoptotic cells

Mario Nuvolone, Veronika Kana, Gregor Hutter, Daiji Sakata, Steven M. Martin-Toth, Giancarlo Russo, Jayne S. Danska, and Adriano Aguzzi
J. Exp. Med. 2013; 210:2539-2552.

Tpl2 Kinase Impacts Tumor Growth and Metastasis of Clear Cell Renal Cell Carcinoma

Hye Won Lee, Kyeung Min Joo, Joung Eun Lim, Hyun Jung Cho, Hee Jin Cho, Min Chul Park, Ho Jun Seol, Seong Il Seo, Jung-Il Lee, Sunghoon Kim, Byong Chang Jeong, and Do-Hyun Nam
Mol. Cancer Res. 2013; 11:1375-1386.

Cooperative behavior of the nuclear receptor superfamily and its deregulation in prostate cancer

Mark D. Long, James L. Thorne, James Russell, Sebastiano Battaglia, Prashant K. Singh, Lara E. Sucheston-Campbell, and Moray J. Campbell
Carcinogenesis. published 8 November 2013, 10.1093/carcin/bgt334

CIP2A Modulates Cell-Cycle Progression in Human Cancer Cells by Regulating the Stability and Activity of Plk1

Jae-Sung Kim, Eun Ju Kim, Jeong Su Oh, In-Chul Park, and Sang-Gu Hwang
Cancer Res. 2013; 73:6667-6678.

A dileucine motif is involved in plasma membrane expression and endocytosis of rat sodium taurocholate cotransporting polypeptide (Ntcp)

Claudia Stross, Stefanie Kluge, Katrin Weissenberger, Elisabeth Winands, Dieter Häussinger, and Ralf Kubitz
Am J Physiol Gastrointest Liver Physiol. 2013; 305:G722-G730.

The chemokine CX3CL1 promotes trafficking of dendritic cells through inflamed lymphatics

Louise A. Johnson and David G. Jackson
J. Cell Sci. 2013; 126:5259-5270.

α-Catenin interacts with APC to regulate β-catenin proteolysis and transcriptional repression of Wnt target genes



Seung H. Choi, Conchi Estarás, James J. Moresco, John R. Yates, III, and Katherine A. Jones
Genes & Dev. 2013; 27:2473-2488.

LMX1B is Essential for the Maintenance of Differentiated Podocytes in Adult Kidneys

Tillmann Burghardt, Jürgen Kastner, Hani Suleiman, Eric Rivera-Milla, Natalya Stepanova, Claudio Lottaz, Marion Kubitz, Carsten A. Böger, Sarah Schmidt, Mathias Gorski, Uwe de Vries, Helga Schmidt, Irmgard Hertting, Jeffrey Kopp, Anne Rascle, Markus Moser, Iris M. Heid, Richard Warth, Rainer Spang, Joachim Wegener, Claudia T. Mierke, Christoph Englert, and Ralph Witzgall
J. Am. Soc. Nephrol. 2013; 24:1830-1848.

Thrombomodulin functions as a plasminogen receptor to modulate angiogenesis

Po-Ku Chen, Bi-Ing Chang, Cheng-Hsiang Kuo, Pin-Shern Chen, Chia-Fong Cho, Chuan-Fa Chang, Guey-Yueh Shi, and Hua-Lin Wu
FASEB J. 2013; 27:4520-4531.

QRFP induces aldosterone production via PKC and T-type calcium channel-mediated pathways in human adrenocortical cells: evidence for a novel role of GPR103

Manjunath Ramanjaneya, Emmanouil Karteris, Jing Chen, Marcin Rucinski, Agnieszka Ziolkowska, Naima Ahmed, Sonja Kagerer, Olaf Jöhren, Hendrik Lehnert, Ludwik K. Malendowicz, and Harpal S. Randeva
Am J Physiol Endocrinol Metab. 2013; 305:E1049-E1058.

Inhibition of excessive mitochondrial fission reduced aberrant autophagy and neuronal damage caused by LRRK2 G2019S mutation

Yu-Chin Su and Xin Qi
Hum. Mol. Genet. 2013; 22:4545-4561.

Targeting RNA Foci in iPSC-Derived Motor Neurons from ALS Patients with a C9ORF72 Repeat Expansion

Dhruv Sareen, Jacqueline G. O'Rourke, Pratap Meera, A. K. M. G. Muhammad, Sharday Grant, Megan Simpkinson, Shaughn Bell, Sharon Carmona, Loren Ornelas, Anais Sahabian, Tania Gendron, Leonard Petrucelli, Michael Baughn, John Ravits, Matthew B. Harms, Frank Rigo, C. Frank Bennett, Thomas S. Otis, Clive N. Svendsen, and Robert H. Baloh
Science Translational Medicine. 2013; 5:208ra149.

Modeling Dravet syndrome using induced pluripotent stem cells (iPSCs) and directly converted neurons

Jiao Jiao, Yuanyuan Yang, Yiwu Shi, Jiayu Chen, Rui Gao, Yong Fan, Hui Yao, Weiping Liao, Xiao-Fang Sun, and Shaorong Gao
Hum. Mol. Genet. 2013; 22:4241-4252.

Efficient and Rapid Derivation of Primitive Neural Stem Cells and Generation of Brain Subtype Neurons From Human Pluripotent Stem Cells

Yiping Yan, Soojung Shin, Balendu Shekhar Jha, Qiuyue Liu, Jianting Sheng, Fuhai Li, Ming Zhan, Janine Davis, Kapil Bharti, Xianmin Zeng, Mahendra Rao, Nasir Malik, and Mohan C. Vemuri
Stem Cells Trans Med. 2013; 2:862-870.

No Differences Observed among Multiple Clinical S1P₁ Receptor Agonists (Functional Antagonists) in S1P₁ Receptor Down-regulation and Degradation

Susan Lukas, Lori Patnaude, Sokol Haxhinasto, Anthony Slavin, Melissa Hill-Drzewi, Josh Horan, and Louise Kelly Modis
J Biomol Screen. published 3 September 2013, 10.1177/1087057113502234



The Tumor Suppressor p53 Fine-Tunes Reactive Oxygen Species Levels and Neurogenesis via PI3 Kinase Signaling

Kirsi Forsberg, Anja Wuttke, Giorgia Quadrato, Peter M. Chumakov, Andrea Wizenmann, and Simone Di Giovanni
J. Neurosci. 2013; 33:14318-14330.

Later Passages of Neural Progenitor Cells from Neonatal Brain Are More Permissive for Human Cytomegalovirus Infection

Xing Pan, Xiao-Jun Li, Xi-Juan Liu, Hui Yuan, Jia-Fu Li, Ying-Liang Duan, Han-Qing Ye, Ya-Ru Fu, Guan-Hua Qiao, Cong-Cong Wu, Bo Yang, Xiao-Hui Tian, Kang-Hong Hu, Ling-Feng Miao, Xiao-Ling Chen, Jun Zheng, Simon Rayner, Philip H. Schwartz, William J. Britt, Jiang Xu, and Min-Hua Luo
J. Virol. 2013; 87:10968-10979.

Neurotrophic factor expression in expandable cell populations from brain samples in living patients with Parkinson's disease

Hu Xu, Louiza Belkacemi, Mandar Jog, Andrew Parrent, and Matthew O. Hebb
FASEB J. 2013; 27:4157-4168.

BEND6 is a nuclear antagonist of Notch signaling during self-renewal of neural stem cells

Qi Dai, Celia Andreu-Agullo, Ryan Insolera, Li Chin Wong, Song-Hai Shi, and Eric C. Lai
Development. 2013; 140:1892-1902.

Neural Precursor Cells Cultured at Physiologically Relevant Oxygen Tensions Have a Survival Advantage Following Transplantation

Sybil R.L. Stacpoole, Daniel J. Webber, Bilada Bilican, Alastair Compston, Siddharthan Chandran, and Robin J.M. Franklin
Stem Cells Trans Med. 2013; 2:464-472.

Necdin Controls Proliferation and Apoptosis of Embryonic Neural Stem Cells in an Oxygen Tension-Dependent Manner

Zhenyu Huang, Kazushiro Fujiwara, Ryohei Minamide, Koichi Hasegawa, and Kazuaki Yoshikawa
J. Neurosci. 2013; 33:10362-10373.

Sensory Nerve Terminal Mitochondrial Dysfunction Activates Airway Sensory Nerves via Transient Receptor Potential (TRP) Channels

Lika Nesuashvili, Stephen H. Hadley, Parmvir K. Bahia, and Thomas E. Taylor-Clark
Mol. Pharmacol. 2013; 83:1007-1019.

Directed neural differentiation of induced pluripotent stem cells from non-human primates

Steven L Farnsworth, Zhifang Qiu, Anuja Mishra, and Peter J Hornsby
Exp Biol Med. 2013; 238:276-284.

Nicotine-Induced Structural Plasticity in Mesencephalic Dopaminergic Neurons Is Mediated by Dopamine D3 Receptors and Akt-mTORC1 Signaling

Ginetta Collo, Federica Bono, Laura Cavalleri, Laura Plebani, Stefania Mitola, Emilio Merlo Pich, Mark J. Millan, Michele Zoli, Uwe Maskos, PierFranco Spano, and Cristina Missale
Mol. Pharmacol. 2013; 83:1176-1189.

Nogo-A is a negative regulator of CNS angiogenesis

Thomas Wälchli, Vincent Pernet, Oliver Weinmann, Jau-Ye Shiu, Anna Guzik-Kornacka, Guillaume Decrey, Deniz Yüksel, Hannah Schneider, Johannes Vogel, Donald E. Ingber, Viola Vogel, Karl Frei, and



Martin E. Schwab
PNAS. 2013; 110:E1943-E1952.

Neurons and cardiomyocytes derived from induced pluripotent stem cells as a model for mitochondrial defects in Friedreich's ataxia

Aurore Hick, Marie Wattenhofer-Donzé, Satyan Chintawar, Philippe Tropel, Jodie P. Simard, Nadège Vaucamps, David Gall, Laurie Lambot, Cécile André, Laurence Reutenuer, Myriam Rai, Marius Teletin, Nadia Messaddeq, Serge N. Schiffmann, Stéphane Viville, Christopher E. Pearson, Massimo Pandolfo, and Hélène Puccio

Dis. Model. Mech. 2013; 6:608-621.

A novel human embryonic stem cell-derived Huntington's disease neuronal model exhibits mutant huntingtin (mHTT) aggregates and soluble mHTT-dependent neurodegeneration

Boxun Lu and James Palacino
FASEB J. 2013; 27:1820-1829.

IL-4 directly signals tissue-resident macrophages to proliferate beyond homeostatic levels controlled by CSF-1

Stephen J. Jenkins, Dominik Ruckerl, Graham D. Thomas, James P. Hewitson, Sheelagh Duncan, Frank Brombacher, Rick M. Maizels, David A. Hume, and Judith E. Allen
J. Exp. Med. 2013; 210:2477-2491.

SIRPa polymorphisms, but not the prion protein, control phagocytosis of apoptotic cells

Mario Nuvolone, Veronika Kana, Gregor Hutter, Daiji Sakata, Steven M. Martin-Toth, Giancarlo Russo, Jayne S. Danska, and Adriano Aguzzi
J. Exp. Med. published 21 October 2013, 10.1084/jem.20131274

Optimization of scarless human stem cell genome editing

Luhan Yang, Marc Guell, Susan Byrne, Joyce L. Yang, Alejandro De Los Angeles, Prashant Mali, John Aach, Caroline Kim-Kiselak, Adrian W Briggs, Xavier Rios, Po-Yi Huang, George Daley, and George Church
Nucleic Acids Res. 2013; 41:9049-9061.

Quantified Colocalization Reveals Heterotypic Histocompatibility Class I Antigen Associations on Trophoblast Cell Membranes: Relevance for Human Pregnancy

Asma Jabeen, José María Miranda-Sayago, Boguslaw Obara, Patrick Simon Spencer, Gill Barbara Dealtry, Soren Hayrabedian, Valerie Shaikly, Pierre Philippe Laissue, and Nelson Fernández
Biol Reprod. 2013; 89:94.

Consistency of the Proteome in Primary Human Keratinocytes With Respect to Gender, Age, and Skin Localization

Adrian Sprenger, Sebastian Weber, Mostafa Zarai, Rudolf Engelke, Juliana M. Nascimento, Christine Gretzmeier, Martin Hilpert, Melanie Boerries, Cristina Has, Hauke Busch, Leena Bruckner-Tuderman, and Jörn Dengjel
Mol. Cell. Proteomics. 2013; 12:2509-2521.

Reduced Ciliary Polycystin-2 in Induced Pluripotent Stem Cells from Polycystic Kidney Disease Patients with PKD1 Mutations

Benjamin S. Freedman, Albert Q. Lam, Jamie L. Sundsbak, Rossella Iatrino, Xuefeng Su, Sarah J. Koon, Maoqing Wu, Laurence Daheron, Peter C. Harris, Jing Zhou, and Joseph V. Bonventre
J. Am. Soc. Nephrol. published 5 September 2013, 10.1681/ASN.2012111089



APO010, A Synthetic Hexameric CD95 Ligand, Induces Death of Human Glioblastoma Stem-like Cells

GÜNTER EISELE, FABIAN WOLPERT, GUILLAUME DECREY, and MICHAEL WELLER
Anticancer Res. 2013; 33:3563-3571.

Inhibition of miR-205 Impairs the Wound-Healing Process in Human Corneal Epithelial Cells by Targeting KIR4.1 (KCNJ10)

Daohong Lin, Adna Halilovic, Peng Yue, Lars Bellner, Kemeng Wang, Lijun Wang, and Chengbiao Zhang
Invest. Ophthalmol. Vis. Sci. 2013; 54:6167-6178.

Screening Drug-Induced Arrhythmia Events Using Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes and Low-Impedance Microelectrode Arrays

Enrique G. Navarrete, Ping Liang, Feng Lan, Verónica Sanchez-Freire, Chelsey Simmons, Tingyu Gong, Arun Sharma, Paul W. Burridge, Bhagat Patlolla, Andrew S. Lee, Haodi Wu, Ramin E. Beygui, Sean M. Wu, Robert C. Robbins, Donald M. Bers, and Joseph C. Wu
Circulation. 2013; 128:S3-S13.

Screening Drug-Induced Arrhythmia Events Using Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes and Low-Impedance Microelectrode Arrays

Enrique G. Navarrete, Ping Liang, Feng Lan, Verónica Sanchez-Freire, Chelsey Simmons, Tingyu Gong, Arun Sharma, Paul W. Burridge, Bhagat Patlolla, Andrew S. Lee, Haodi Wu, Ramin E. Beygui, Sean M. Wu, Robert C. Robbins, Donald M. Bers, and Joseph C. Wu
Circulation. 2013; 128:S3-S13.

Efficient genome engineering in human pluripotent stem cells using Cas9 from *Neisseria meningitidis*

Zhonggang Hou, Yan Zhang, Nicholas E. Propson, Sara E. Howden, Li-Fang Chu, Erik J. Sontheimer, and James A. Thomson
PNAS. 2013; 110:15644-15649.

Quantification of cell surface proteins with bispecific antibodies

C. Panke, D. Weininger, A. Haas, F. Schelter, T. Schlothauer, S. Bader, R. Sircar, H.P. Josel, U. Baer, H. Burtscher, O. Mundigl, M. Grote, U. Brinkmann, and C. Sustmann
Protein Eng. Des. Sel. 2013; 26:645-654.

Isolation of Human Adipose-Derived Stromal Cells Using Laser-Assisted Liposuction and Their Therapeutic Potential in Regenerative Medicine

Michael T. Chung, Andrew S. Zimmermann, Kevin J. Paik, Shane D. Morrison, Jeong S. Hyun, David D. Lo, Adrian McArdle, Daniel T. Montoro, Graham G. Walmsley, Kshemendra Senarath-Yapa, Michael Sorkin, Robert Rennert, Hsin-Han Chen, Andrew S. Chung, Dean Vistnes, Geoffrey C. Gurtner, Michael T. Longaker, and Derrick C. Wan
Stem Cells Trans Med. 2013; 2:808-817.

Reduced Ciliary Polycystin-2 in Induced Pluripotent Stem Cells from Polycystic Kidney Disease Patients with PKD1 Mutations

Benjamin S. Freedman, Albert Q. Lam, Jamie L. Sundsbak, Rossella Iatrino, Xuefeng Su, Sarah J. Koon, Maoqing Wu, Laurence Daheron, Peter C. Harris, Jing Zhou, and Joseph V. Bonventre
J. Am. Soc. Nephrol. 2013; 24:1571-1586.

Loss-of-Function and Gain-of-Function Mutations of Calcium-Sensing Receptor: Functional Analysis and the Effect of Allosteric Modulators NPS R-568 and NPS 2143

Akie Nakamura, Tomoyuki Hotsubo, Keiji Kobayashi, Hiroshi Mochizuki, Katsura Ishizu, and Toshihiro



Tajima

J. Clin. Endocrinol. Metab. 2013; 98:E1692-E1701.

Phosphatidylserine-Targeting Antibody Induces M1 Macrophage Polarization and Promotes Myeloid-Derived Suppressor Cell Differentiation

Yi Yin, Xianming Huang, Kristi D. Lynn, and Philip E. Thorpe
Cancer Immunology. 2013; 1:256-268.

HDAC6 Inhibition Restores Ciliary Expression and Decreases Tumor Growth

Sergio A. Gradilone, Brynn N. Radtke, Pamela S. Bogert, Bing Q. Huang, Gabriella B. Gajdos, and Nicholas F. LaRusso
Cancer Res. published 27 March 2013, 10.1158/0008-5472.CAN-12-2938

Using a preclinical mouse model of high-grade astrocytoma to optimize p53 restoration therapy

Ksenya Shchors, Anders I. Persson, Fanya Rostker, Tarik Tihan, Natalya Lyubynska, Nan Li, Lamorna Brown Swigart, Mitchel S. Berger, Douglas Hanahan, William A. Weiss, and Gerard I. Evan
PNAS. published 29 March 2013, 10.1073/pnas.1219142110

Probing DNA shape and methylation state on a genomic scale with DNase I

Allan Lazarovici, Tianyin Zhou, Anthony Shafer, Ana Carolina Dantas Machado, Todd R. Riley, Richard Sandstrom, Peter J. Sabo, Yan Lu, Remo Rohs, John A. Stamatoyannopoulos, and Harmen J. Bussemaker
PNAS. published 1 April 2013, 10.1073/pnas.1216822110

HDAC6 Inhibition Restores Ciliary Expression and Decreases Tumor Growth

Sergio A. Gradilone, Brynn N. Radtke, Pamela S. Bogert, Bing Q. Huang, Gabriella B. Gajdos, and Nicholas F. LaRusso
Cancer Res. 2013; 73:2259-2270.

The Histone Deacetylase Inhibitor Trichostatin A Promotes Apoptosis and Antitumor Immunity in Glioblastoma Cells

ELISABETH HÖRING, OLIVER PODLECH, BJÖRN SILKENSTEDT, IOANNA ALEXANDROS ROTA, ELENI ADAMOPOULOU, and ULRIKE NAUMANN
Anticancer Res. 2013; 33:1351-1360.

Poly(β-amino ester) Nanoparticle Delivery of TP53 Has Activity against Small Cell Lung Cancer *In Vitro* and *In Vivo*

Chandrashekhar D. Kamat, Ron B. Shmueli, Nick Connis, Charles M. Rudin, Jordan J. Green, and Christine L. Hann
Mol. Cancer Ther. 2013; 12:405-415.

Overcoming mutation-based resistance to antiandrogens with rational drug design

Minna D Balbas, Michael J Evans, David J Hosfield, John Wongvipat, Vivek K Arora, Philip A Watson, Yu Chen, Geoffrey L Greene, Yang Shen, and Charles L Sawyers
eLife Sci. 2013; 2:e00499.

Rho/ROCK pathway is essential to the expansion, differentiation, and morphological rearrangements of human neural stem/progenitor cells induced by lysophosphatidic acid

Frisca Frisca, Duncan E. Crombie, Mirella Dottori, Yona Goldshmit, and Alice Pébay
J. Lipid Res. 2013; 54:1192-1206.



Characterization of Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Trafficking Reveals a Novel Lysosomal Targeting Mechanism via Amyloid Precursor-like Protein 2 (APLP2)

Rachel M. DeVay, David L. Shelton, and Hong Liang
J. Biol. Chem. 2013; 288:10805-10818.

Genome-wide analysis shows that *Ldb1* controls essential hematopoietic genes/pathways in mouse early development and reveals novel players in hematopoiesis

Athina Mylona, Charlotte Andrieu-Soler, Supat Thongjuea, Andrea Martella, Eric Soler, Ruud Jorna, Jun Hou, Christel Kockx, Wilfred van Ijcken, Boris Lenhard, and Frank Grosveld
Blood. 2013; 121:2902-2913.

Characterization of Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Trafficking Reveals a Novel Lysosomal Targeting Mechanism via Amyloid Precursor-like Protein 2 (APLP2)

Rachel M. DeVay, David L. Shelton, and Hong Liang
J. Biol. Chem. 2013; 288:10805-10818.

Discovery of pluripotency-associated microRNAs in rabbit preimplantation embryos and embryonic stem-like cells

Pouneh Maraghechi, László Hiripi, Gábor Tóth, Babett Bontovics, Zsuzsanna Bosze, and Elen Góczá
Reproduction. 2013; 145:421-437.

Discovery of pluripotency-associated microRNAs in rabbit preimplantation embryos and embryonic stem-like cells

Pouneh Maraghechi, László Hiripi, Gábor Tóth, Babett Bontovics, Zsuzsanna Bosze, and Elen Góczá
Reproduction. 2013; 145:421-437.

Probing DNA shape and methylation state on a genomic scale with DNase I

Allan Lazarovici, Tianyin Zhou, Anthony Shafer, Ana Carolina Dantas Machado, Todd R. Riley, Richard Sandstrom, Peter J. Sabo, Yan Lu, Remo Rohs, John A. Stamatoyannopoulos, and Harmen J. Bussemaker
PNAS. 2013; 110:6376-6381.

Using a preclinical mouse model of high-grade astrocytoma to optimize p53 restoration therapy

Ksenya Shchors, Anders I. Persson, Fanya Rostker, Tarik Tihan, Natalya Lyubynska, Nan Li, Lamorna Brown Swigart, Mitchel S. Berger, Douglas Hanahan, William A. Weiss, and Gerard I. Evan
PNAS. 2013; 110:E1480-E1489.

A Simple and Scalable Process for the Differentiation of Retinal Pigment Epithelium From Human Pluripotent Stem Cells

Julien Maruotti, Karl Wahlin, David Gorrell, Imran Bhutto, Gerard Lutty, and Donald J. Zack
Stem Cells Trans Med. 2013; 2:341-354.

NPV-LDE-225 (Erismodegib) inhibits epithelial mesenchymal transition and self-renewal of glioblastoma initiating cells by regulating miR-21, miR-128, and miR-200

Junsheng Fu, Mariana Rodova, Rajesh Nanta, Daniel Meeker, Peter J. Van Veldhuizen, Rakesh K. Srivastava, and Sharmila Shankar
Neuro Oncology. 2013; 15:691-706.



Novel Methodology to Identify TRPV1 Antagonists Independent of Capsaicin Activation

Stephen Zicha, Olivier Radresa, Patricia Laplante, Michael Morton, Karen Jones, Martin Main, Shephali Trivedi, Ron P. Julien, Andrew Griffin, Jean Labrecque, Sultan Ahmad, and William Brown
J Biomol Screen. 2013; 18:544-555.

Reduced Caveolin-1 Promotes Hyperinflammation due to Abnormal Heme Oxygenase-1 Localization in Lipopolysaccharide-Challenged Macrophages with Dysfunctional Cystic Fibrosis Transmembrane Conductance Regulator

Ping-Xia Zhang, Thomas S. Murray, Valeria R. Villella, Eleonora Ferrari, Speranza Esposito, Anthony D'Souza, Valeria Raia, Luigi Maiuri, Diane S. Krause, Marie E. Egan, and Emanuela M. Bruscia
J. Immunol. 2013; 190:5196-5206.

Brief demethylation step allows the conversion of adult human skin fibroblasts into insulin-secreting cells

Georgia Pennarossa, Sara Maffei, Marino Campagnol, Letizia Tarantini, Fulvio Gandolfi, and Tiziana A. L. Brevini
PNAS. published 21 May 2013, 10.1073/pnas.1220637110

Distinct Phospholipase C- β Isozymes Mediate Lysophosphatidic Acid Receptor 1 Effects on Intestinal Epithelial Homeostasis and Wound Closure

Sei-Jung Lee, Giovanna Leoni, Philipp-Alexander Neumann, Jerold Chun, Asma Nusrat, and C. Chris Yun
Mol. Cell. Biol. 2013; 33:2016-2028.

Novel HSP90 Inhibitor NVP-HSP990 Targets Cell-Cycle Regulators to Ablate Olig2-Positive Glioma Tumor-Initiating Cells

Jun Fu, Dimpy Koul, Jun Yao, Shuzhen Wang, Ying Yuan, Howard Colman, Erik. P. Sulman, Frederick. F. Lang, and W.K. Alfred Yung
Cancer Res. 2013; 73:3062-3074.

CDH5 is specifically activated in glioblastoma stemlike cells and contributes to vasculogenic mimicry induced by hypoxia

Xing-gang Mao, Xiao-yan Xue, Liang Wang, Xiang Zhang, Ming Yan, Yan-yang Tu, Wei Lin, Xiao-fan Jiang, Hong-gang Ren, Wei Zhang, and Shao-jun Song
Neuro Oncology. published 3 May 2013, 10.1093/neuonc/not029

Drug Screening Using a Library of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Reveals Disease-Specific Patterns of Cardiotoxicity

Ping Liang, Feng Lan, Andrew S. Lee, Tingyu Gong, Veronica Sanchez-Freire, Yongming Wang, Sebastian Diecke, Karim Sallam, Joshua W. Knowles, Paul J. Wang, Patricia K. Nguyen, Donald M. Bers, Robert C. Robbins, and Joseph C. Wu
Circulation. 2013; 127:1677-1691.

Brief demethylation step allows the conversion of adult human skin fibroblasts into insulin-secreting cells

Georgia Pennarossa, Sara Maffei, Marino Campagnol, Letizia Tarantini, Fulvio Gandolfi, and Tiziana A. L. Brevini
PNAS. 2013; 110:8948-8953.

Highly Efficient Differentiation of Functional Hepatocytes From Human Induced Pluripotent Stem Cells

Xiaocui Ma, Yuyou Duan, Benjamin Tschudy-Seney, Garrett Roll, Iman Saramipoor Behbahan, Tijess P. Ahuja, Vladimir Tolstikov, Charles Wang, Jeannine McGee, Shiva Khoobyari, Jan A. Nolta, Holger



Willenbring, and Mark A. Zern
Stem Cells Trans Med. 2013; 2:409-419.

Rapid Generation of Functional Dopaminergic Neurons From Human Induced Pluripotent Stem Cells Through a Single-Step Procedure Using Cell Lineage Transcription Factors

Ilda Theka, Massimiliano Caiazzo, Elena Dvoretskova, Damiana Leo, Federica Ungaro, Sebastiano Curreli, Francesca Managò, Maria Teresa Dell'Anno, Gianni Pezzoli, Raul R. Gainetdinov, Alexander Dityatev, and Vania Broccoli

Stem Cells Trans Med. 2013; 2:473-479.

A de novo X;8 translocation creates a PTK2-THOC2 gene fusion with THOC2 expression knockdown in a patient with psychomotor retardation and congenital cerebellar hypoplasia

Eleonora Di Gregorio, Federico T Bianchi, Alfonso Schiavi, Alessandra M A Chiotto, Marco Rolando, Ludovica Verdun di Cantogno, Enrico Grosso, Simona Cavalieri, Alessandro Calcia, Daniela Lacerenza, Orsetta Zuffardi, Saverio Francesco Retta, Giovanni Stevanin, Cecilia Marelli, Alexandra Durr, Sylvie Forlani, Jamel Chelly, Francesca Montarolo, Filippo Tempia, Hilary E Beggs, Robin Reed, Stefania Squadrone, Maria C Abete, Alessandro Brussino, Natascia Ventura, Ferdinando Di Cunto, and Alfredo Brusco

J. Med. Genet. published 7 June 2013, 10.1136/jmedgenet-2013-101542

HLA Class I Antibodies Trigger Increased Adherence of Monocytes to Endothelial Cells by Eliciting an Increase in Endothelial P-Selectin and, Depending on Subclass, by Engaging Fc γ Rs

Nicole M. Valenzuela, Arend Mulder, and Elaine F. Reed

J. Immunol. 2013; 190:6635-6650.

A de novo X;8 translocation creates a PTK2-THOC2 gene fusion with THOC2 expression knockdown in a patient with psychomotor retardation and congenital cerebellar hypoplasia

Eleonora Di Gregorio, Federico T Bianchi, Alfonso Schiavi, Alessandra M A Chiotto, Marco Rolando, Ludovica Verdun di Cantogno, Enrico Grosso, Simona Cavalieri, Alessandro Calcia, Daniela Lacerenza, Orsetta Zuffardi, Saverio Francesco Retta, Giovanni Stevanin, Cecilia Marelli, Alexandra Durr, Sylvie Forlani, Jamel Chelly, Francesca Montarolo, Filippo Tempia, Hilary E Beggs, Robin Reed, Stefania Squadrone, Maria C Abete, Alessandro Brussino, Natascia Ventura, Ferdinando Di Cunto, and Alfredo Brusco

J. Med. Genet. published 7 June 2013, 10.1136/jmedgenet-2013-101542

Combining Hedgehog Signaling Inhibition with Focal Irradiation on Reduction of Pancreatic Cancer Metastasis

Dongsheng Gu, Hailan Liu, Gloria H. Su, Xiaoli Zhang, Helen Chin-Sinex, Helmut Hanenberg, Marc S. Mendonca, Harlan E. Shannon, E. Gabriela Chiorean, and Jingwu Xie

Mol. Cancer Ther. 2013; 12:1038-1048.

Genetic reconstitution of tumorigenesis in primary intestinal cells

Kunishige Onuma, Masako Ochiai, Kaoru Orihashi, Mami Takahashi, Toshio Imai, Hitoshi Nakagama, and Yoshitaka Hippo

PNAS. published 17 June 2013, 10.1073/pnas.1221926110

Fibroblast Growth Factor Receptor Like-1 (FGFRL1) Interacts with SHP-1 Phosphatase at Insulin Secretory Granules and Induces Beta-cell ERK1/2 Protein Activation

Pamuditha N. Silva, Svetlana M. Altamentova, Dawn M. Kilkenny, and Jonathan V. Rocheleau

J. Biol. Chem. 2013; 288:17859-17870.



Multifaceted oncolytic virus therapy for glioblastoma in an immunocompetent cancer stem cell model

Tooba A. Cheema, Hiroaki Wakimoto, Peter E. Fecci, Jianfang Ning, Toshihiko Kuroda, Deva S. Jeyaretna, Robert L. Martuza, and Samuel D. Rabkin
PNAS. published 10 June 2013, 10.1073/pnas.1307935110

CDH5 is specifically activated in glioblastoma stemlike cells and contributes to vasculogenic mimicry induced by hypoxia

Xing-gang Mao, Xiao-yan Xue, Liang Wang, Xiang Zhang, Ming Yan, Yan-yang Tu, Wei Lin, Xiao-fan Jiang, Hong-gang Ren, Wei Zhang, and Shao-jun Song
Neuro Oncology. 2013; 15:865-879.

Smad2 Is Essential for Maintenance of the Human and Mouse Primed Pluripotent Stem Cell State

Masayo Sakaki-Yumoto, Jianming Liu, Miguel Ramalho-Santos, Nobuaki Yoshida, and Rik Deryck
J. Biol. Chem. 2013; 288:18546-18560.

A Method for Measurement of Drug Sensitivity of Myeloma Cells Co-Cultured with Bone Marrow Stromal Cells

Kristine Misund, Katarzyna A. Baranowska, Toril Holien, Christoph Rampa, Dionne C. G. Klein, Magne Børset, Anders Waage, and Anders Sundan
J Biomol Screen. 2013; 18:637-646.

Modeling Dravet syndrome using induced pluripotent stem cells (iPSCs) and directly converted neurons

Jiao Jiao, Yuanyuan Yang, Yiwu Shi, Jiayu Chen, Rui Gao, Yong Fan, Hui Yao, Weiping Liao, Xiao-Fang Sun, and Shaorong Gao
Hum. Mol. Genet. published 27 June 2013, 10.1093/hmg/ddt275

Prion Replication Elicits Cytopathic Changes in Differentiated Neurosphere Cultures

Yoshifumi Iwamaru, Takato Takenouchi, Morikazu Imamura, Yoshihisa Shimizu, Kohtaro Miyazawa, Shirou Mohri, Takashi Yokoyama, and Hiroshi Kitani
J. Virol. 2013; 87:8745-8755.

Role of the Phosphatidylserine Receptor TIM-1 in Enveloped-Virus Entry

Sven Moller-Tank, Andrew S. Kondratowicz, Robert A. Davey, Paul D. Rennert, and Wendy Maury
J. Virol. 2013; 87:8327-8341.

Different Requirements for Scavenger Receptor Class B Type I in Hepatitis C Virus Cell-Free versus Cell-to-Cell Transmission

Maria Teresa Catanese, Joana Loureiro, Christopher T. Jones, Marcus Dorner, Thomas von Hahn, and Charles M. Rice
J. Virol. 2013; 87:8282-8293.

Functional genomic screen of human stem cell differentiation reveals pathways involved in neurodevelopment and neurodegeneration

Ying Zhang, Vincent P. Schulz, Brian D. Reed, Zheng Wang, Xinghua Pan, Jessica Mariani, Ghia Euskirchen, Michael P. Snyder, Flora M. Vaccarino, Natalia Ivanova, Sherman M. Weissman, and Anna M. Szekely
PNAS. published 8 July 2013, 10.1073/pnas.1309725110



Genetic reconstitution of tumorigenesis in primary intestinal cells

Kunishige Onuma, Masako Ochiai, Kaoru Orihashi, Mami Takahashi, Toshio Imai, Hitoshi Nakagama, and Yoshitaka Hippo
PNAS. 2013; 110:11127-11132.

Human Anti-Macrophage Migration Inhibitory Factor Antibodies Inhibit Growth of Human Prostate Cancer Cells *In Vitro* and *In Vivo*

Filza Hussain, Michael Freissmuth, Dirk Völkel, Michael Thiele, Patrice Douillard, Gerhard Antoine, Patrick Thurner, Hartmut Ehrlich, Hans-Peter Schwarz, Friedrich Scheiflinger, and Randolph J. Kerschbaumer
Mol. Cancer Ther. 2013; 12:1223-1234.

Efficient delivery of RNA interference oligonucleotides to polarized airway epithelia *in vitro*

Shyam Ramachandran, Sateesh Krishnamurthy, Ashley M. Jacobi, Christine Wohlford-Lenane, Mark A. Behlke, Beverly L. Davidson, and Paul B. McCray, Jr.
Am J Physiol Lung Cell Mol Physiol. 2013; 305:L23-L32.

Structural and Pharmacological Characterization of Novel Potent and Selective Monoclonal Antibody Antagonists of Glucose-dependent Insulinotropic Polypeptide Receptor

Peter Ravn, Chaithanya Madhurantakam, Susan Kunze, Evelyn Matthews, Claire Priest, Siobhan O'Brien, Andie Collinson, Monika Papworth, Maria Fritsch-Fredin, Lutz Jermutus, Lambertus Bentheim, Markus Gruetter, and Ronald H. Jackson
J. Biol. Chem. 2013; 288:19760-19772.

Inhibition of excessive mitochondrial fission reduced aberrant autophagy and neuronal damage caused by LRRK2 G2019S mutation

Yu-Chin Su and Xin Qi
Hum. Mol. Genet. published 5 July 2013, 10.1093/hmg/ddt301

A *de novo* X;8 translocation creates a PTK2-THOC2 gene fusion with THOC2 expression knockdown in a patient with psychomotor retardation and congenital cerebellar hypoplasia

Eleonora Di Gregorio, Federico T Bianchi, Alfonso Schiavi, Alessandra M A Chiotto, Marco Rolando, Ludovica Verdun di Cantogno, Enrico Grosso, Simona Cavalieri, Alessandro Calcia, Daniela Lacerenza, Orsetta Zuffardi, Saverio Francesco Retta, Giovanni Stevanin, Cecilia Marelli, Alexandra Durr, Sylvie Forlani, Jamel Chelly, Francesca Montarolo, Filippo Tempia, Hilary E Beggs, Robin Reed, Stefania Squadrone, Maria C Abete, Alessandro Brussino, Natascha Ventura, Ferdinando Di Cunto, and Alfredo Brusco
J. Med. Genet. 2013; 50:543-551.

Multifaceted oncolytic virus therapy for glioblastoma in an immunocompetent cancer stem cell model

Tooba A. Cheema, Hiroaki Wakimoto, Peter E. Fecci, Jianfang Ning, Toshihiko Kuroda, Deva S. Jeyaretna, Robert L. Martuza, and Samuel D. Rabkin
PNAS. 2013; 110:12006-12011.

The Amyloid Precursor Protein (APP) Triplicated Gene Impairs Neuronal Precursor Differentiation and Neurite Development through Two Different Domains in the Ts65Dn Mouse Model for Down Syndrome

Stefania Trazzi, Claudia Fuchs, Emanuele Valli, Giovanni Perini, Renata Bartesaghi, and Elisabetta Ciani
J. Biol. Chem. 2013; 288:20817-20829.



Functional genomic screen of human stem cell differentiation reveals pathways involved in neurodevelopment and neurodegeneration

Ying Zhang, Vincent P. Schulz, Brian D. Reed, Zheng Wang, Xinghua Pan, Jessica Mariani, Ghia Euskirchen, Michael P. Snyder, Flora M. Vaccarino, Natalia Ivanova, Sherman M. Weissman, and Anna M. Szekely
PNAS. 2013; 110:12361-12366.

Receptor-type Protein-tyrosine Phosphatase ζ Is a Functional Receptor for Interleukin-34

Sayan Nandi, Mario Cioce, Yee-Guide Yeung, Edward Nieves, Lydia Tesfa, Haishan Lin, Amy W. Hsu, Robert Halenbeck, Hui-Yong Cheng, Selen Gokhan, Mark F. Mehler, and E. Richard Stanley
J. Biol. Chem. 2013; 288:21972-21986.

Blood Cell-Derived Induced Pluripotent Stem Cells Free of Reprogramming Factors Generated by Sendai Viral Vectors

Lin Ye, Marcus O. Muench, Noemi Fusaki, Ashley I. Beyer, Jiaming Wang, Zhongxia Qi, Jingwei Yu, and Yuet Wai Kan
Stem Cells Trans Med. 2013; 2:558-566.

Optimization of scarless human stem cell genome editing

Luhan Yang, Marc Guell, Susan Byrne, Joyce L. Yang, Alejandro De Los Angeles, Prashant Mali, John Aach, Caroline Kim-Kiselak, Adrian W Briggs, Xavier Rios, Po-Yi Huang, George Daley, and George Church
Nucleic Acids Res. published 31 July 2013, 10.1093/nar/gkt555

SOX2-LIN28/let-7 pathway regulates proliferation and neurogenesis in neural precursors

Flavio Cimad amore, Alejandro Amador-Arjona, Connie Chen, Chun-Teng Huang, and Alexey V. Terskikh
PNAS. 2013; 110:E3017-E3026.

Monovalent antibody design and mechanism of action of onartuzumab, a MET antagonist with anti-tumor activity as a therapeutic agent

Mark Merchant, Xiaolei Ma, Henry R. Maun, Zhong Zheng, Jing Peng, Mally Romero, Arthur Huang, Nai-ying Yang, Merry Nishimura, Joan Greve, Lydia Santell, Yu-Wen Zhang, Yanli Su, Dafna W. Kaufman, Karen L. Billeci, Elaine Mai, Barbara Moffat, Amy Lim, Eileen T. Duenas, Heidi S. Phillips, Hong Xiang, Judy C. Young, George F. Vande Woude, Mark S. Dennis, Dorothea E. Reilly, Ralph H. Schwall, Melissa A. Starovasnik, Robert A. Lazarus, and Daniel G. Yansura
PNAS. 2013; 110:E2987-E2996.

Inhibition of Parathyroid Hormone Secretion by Caffeine in Human Parathyroid Cells

Ming Lu, Lars-Ove Farnebo, Robert Bränström, and Catharina Larsson
J. Clin. Endocrinol. Metab. 2013; 98:E1345-E1351.

Loss of Epithelial Hypoxia-Inducible Factor Prolyl Hydroxylase 2 Accelerates Skin Wound Healing in Mice

Joanna Kalucka, Andreas Ettinger, Kristin Franke, Soulafa Mamlouk, Rashim Pal Singh, Katja Farhat, Antje Muschter, Susanne Olbrich, Georg Breier, Dörthe M. Katschinski, Wieland Huttner, Alexander Weidemann, and Ben Wielockx
Mol. Cell. Biol. 2013; 33:3426-3438.

14-3-3 Proteins Modulate the ETS Transcription Factor ETV1 in Prostate Cancer

Sangphil Oh, Sook Shin, Stan A. Lightfoot, and Ralf Janknecht
Cancer Res. 2013; 73:5110-5119.



RHPN2 Drives Mesenchymal Transformation in Malignant Glioma by Triggering RhoA Activation

Carla Danussi, Uri David Akavia, Francesco Niola, Andreja Jovic, Anna Lasorella, Dana Pe'er, and Antonio Iavarone
Cancer Res. 2013; 73:5140-5150.

Transforming TRP Channel Drug Discovery Using Medium-Throughput Electrophysiological Assays

Jean-Marie Chambard, Eric Tagat, Philippe Boudeau, and Michel Partisani
J Biomol Screen. published 16 August 2013, 10.1177/1087057113499632

Quantification of cell surface proteins with bispecific antibodies

C. Panke, D. Weininger, A. Haas, F. Schelter, T. Schllothauer, S. Bader, R. Sircar, H.P. Josel, U. Baer, H. Burtscher, O. Mundigl, M. Grote, U. Brinkmann, and C. Sustmann
Protein Eng. Des. Sel. published 19 August 2013, 10.1093/protein/gzt035

Epigenomic enhancer annotation reveals a key role for NFIX in neural stem cell quiescence

Ben Martynoga, Juan L. Mateo, Bo Zhou, Jimena Andersen, Angeliki Achimastou, Noelia Urbán, Debbie van den Berg, Dimitra Georgopoulou, Suzana Hadjur, Joachim Wittbrodt, Laurence Ettwiller, Michael Piper, Richard M. Gronostajski, and François Guillemot
Genes & Dev. 2013; 27:1769-1786.

Species-specific PAMP recognition by TLR2 and evidence for species-restricted interaction with Dectin-1

Sam Willcocks, Victoria Offord, Hans-Martin Seyfert, Tracey J. Coffey, and Dirk Werling
J. Leukoc. Biol. 2013; 94:449-458.

Matched miRNA and mRNA signatures from an hESC-based *in vitro* model of pancreatic differentiation reveal novel regulatory interactions

Xiaoyan Liao, Haipeng Xue, Yu-Chieh Wang, Kristopher L. Nazor, Shuren Guo, Neha Trivedi, Suzanne E. Peterson, Ying Liu, Jeanne F. Loring, and Louise C. Laurent
J. Cell Sci. 2013; 126:3848-3861.

LMX1B is Essential for the Maintenance of Differentiated Podocytes in Adult Kidneys

Tillmann Burghardt, Jürgen Kastner, Hani Suleiman, Eric Rivera-Milla, Natalya Stepanova, Claudio Lottaz, Marion Kubitzka, Carsten A. Böger, Sarah Schmidt, Mathias Gorski, Uwe de Vries, Helga Schmidt, Irmgard Hertting, Jeffrey Kopp, Anne Rascle, Markus Moser, Iris M. Heid, Richard Warth, Rainer Spang, Joachim Wegener, Claudia T. Mierke, Christoph Englert, and Ralph Witzgall
J. Am. Soc. Nephrol. published 29 August 2013, 10.1681/ASN.2012080788

Determining the Relative Efficacy of Positive Allosteric Modulators of the GABA_A Receptor: Design of a Screening Approach

Philippe Ghisdal, Nadine Noel, Nathalie Pacico, Murielle Martini, Patrik Foerch, Etienne Hanon, and Christian Wolff
J Biomol Screen. published 29 August 2013, 10.1177/1087057113501555

Matched miRNA and mRNA signatures from an hESC-based *in vitro* model of pancreatic differentiation reveal novel regulatory interactions

Xiaoyan Liao, Haipeng Xue, Yu-Chieh Wang, Kristopher L. Nazor, Shuren Guo, Neha Trivedi, Suzanne E. Peterson, Ying Liu, Jeanne F. Loring, and Louise C. Laurent
J. Cell Sci. 2013; 126:3848-3861.



The viability of cells obtained using the Reamer–Irrigator–Aspirator system and in bone graft from the iliac crest

H. S. Uppal, B. E. Peterson, M. L. Misfeldt, G. J. Della Rocca, D. A. Volgas, Y. M. Murtha, J. P. Stannard, T. J. Choma, and B. D. Crist
Bone Joint J. 2013; 95-B:1269-1274.

Antiproliferative, Antiinvasive, and Proapoptotic Activity of Folate Receptor α -Targeted Liposomal Doxorubicin in Nonfunctional Pituitary Adenoma Cells, Xiaohai Liu, Sihai Ma, Congxin Dai, Feng Cai, Yong Yao, Yakun Yang, Ming Feng, Kan Deng, Guiling Li, Wenbing Ma, Bing Xin, Wei Lian, Guangya Xiang, Bo Zhang, and Renzhi Wang, *Endocrinology*, Apr 2013; 154: 1414 - 1423.

Ketamine Enhances Human Neural Stem Cell Proliferation and Induces Neuronal Apoptosis via Reactive Oxygen Species–Mediated Mitochondrial Pathway, Xiaowen Bai, Yasheng Yan, Scott Canfield, Maria Y. Muravyeva, Chika Kikuchi, Ivan Zaja, John A. Corbett, and Zeljko J. Bosnjak, *Anesth. Analg.*, Apr 2013; 116: 869 - 880.

Astrocyte pathology and the absence of non-cell autonomy in an induced pluripotent stem cell model of TDP-43 proteinopathy, Andrea Serio, Bilada Bilican, Sami J. Barmada, Dale Michael Ando, Chen Zhao, Rick Siller, Karen Burr, Ghazal Haghi, David Story, Agnes Lumi Nishimura, Monica A. Carrasco, Hemali P. Phatnani, Carole Shum, Ian Wilmut, Tom Maniatis, Christopher E. Shaw, Steven Finkbeiner, and Siddharthan Chandran, *PNAS*, Mar 2013; 110: 4697 - 4702.

Innate Immune Defense Defines Susceptibility of Sarcoma Cells to Measles Vaccine Virus-Based Oncolysis, Susanne Berchtold, Johanna Lampe, Timo Weiland, Irina Smirnow, Sabine Schleicher, Rupert Handgretinger, Hans-Georg Kopp, Jeanette Reiser, Frank Stubenrauch, Nora Mayer, Nisar P. Malek, Michael Bitzer, and Ulrich M. Lauer, *J. Virol.*, Mar 2013; 87: 3484 - 3501.

Widespread resetting of DNA methylation in glioblastoma-initiating cells suppresses malignant cellular behavior in a lineage-dependent manner, Stefan H. Stricker, Andrew Feber, Pär G. Engström, Helena Carén, Kathleen M. Kurian, Yasuhiro Takashima, Colin Watts, Michael Way, Peter Dirks, Paul Bertone, Austin Smith, Stephan Beck, and Steven M. Pollard
Genes & Dev., Mar 2013; 27: 654 - 669.

Efficient Propagation of Single Cells Accutase-Dissociated human Embryonic Stem Cells, Bajpai, et al, *Journal of Molecular Reproduction and Development*, DOI 10.1002/mrd:1-10, 2007.

Large intergenic non-coding RNA-RoR modulates reprogramming of human induced pluripotent stem cells, S.L., M. N. Cabili, M. Guttman, Y. Loh, K. Thomas, I. H. Park, M. Garber, M. Curran, T. Onder, S. Agarwal, P. D. Manos, S. Datta, E. S. Lander, T. M. Schlaeger, G. Q. Daley, & J. L. Rinn, *Nature Genetics*, Volume: 42, Pages: 1113-1117, Year published: (2010).

Stimulating progress in regenerative medicine: improving the cloning and recovery of cryopreserved human pluripotent stem cells with ROCK inhibitors, A. Rizzino, *Regenerative Medicine*, September 2010, Vol. 5, No. 5, Pages 799-807, DOI 10.2217/rme.10.45 (doi:10.2217/rme.10.45).

Characterization of Human Huntington's Disease Cell Model from Induced Pluripotent Stem Cells, N. Zhang, M. C. An, D. Montoro, and L. M. Ellerby, *PLoS Curr.* 2010 October 28; 2: RRN1193. doi: 10.1371/currents.RRN1193.

Telomere elongation in induced pluripotent stem cells from dyskeratosis congenital patients, S. Agarwal, Y. Loh, E. M. McLoughlin, J. Huang, I. Park, J. D. Miller, H. Huo, M. Okuka, R. Maria dos Reis, S. Loewer, H. Ng, D. L. Keefe, F. D. Goldman, A. J. Klingelhutz, L. Liu, and G. Q. Daley, *Nature*.



Author manuscript; available in PMC 2011 March 16. Published in final edited form as: *Nature*. 2010 March 11; 464(7286): 292–296. Published online 2010 February 17. doi: 10.1038/nature08792.

Methods for culture and production of single cell populations of human embryonic stem cells,
A. Terskikh, R. Bajpai, Sanford-Burnham Medical Research Institute, 06/21/2011 .

Human neural stem cells enhance structural plasticity and axonal transport in the ischemic brain, R. H. Andres, N. Horie, W. Slikker, H. Keren-Gill, K. Zhan, G. Sun, N. C. Manley, M. P. Pereira, L. A. Sheikh, E. L. McMillan, B. T. Schaar, C. N. Svendsen, T. M. Bliss, and G. K. Steinberg, *Brain* (2011) 134 (6): 1777-1789. doi: 10.1093/brain/awr094.

Mitochondrial Parkin Recruitment Is Impaired in Neurons Derived from Mutant PINK1 Induced Pluripotent Stem Cells, P. Seibler, J. Graziotto, H. Jeong, F. Simunovic, C. Klein, and D. Krainc, *The Journal of Neuroscience*, 20 April 2011, 31(16): 5970-5976; doi: 10.1523/JNEUROSCI.4441-10.2011.

Generation of induced pluripotent stem cells from newborn marmoset skin fibroblasts, Y. Wua, Y. Zhang, A. Mishrab, S. D. Tardifb, and P. J. Hornsby, *Stem Cell Research*, 4 (3), pp. 180-188.

Prospective Isolation of Cortical Interneuron Precursors from Mouse Embryonic Stem Cells, A. M. Maroof, K. Brown, S. Shi, L. Studer, and S. A. Anderson, *The Journal of Neuroscience*, 31 March 2010, 30(13): 4667-4675; doi: 10.1523/JNEUROSCI.4255-09.2010.

Over expression of BCL2 enhances survival of human embryonic stem cells during stress and obviates the requirement for serum factors, R. Ardehali, M. A. Inlay, S. R. Ali, C. Tang, M. Drukker, and I. L. Weissman, *PNAS*, February 22, 2011 vol. 108 no. 8 3282-3287.

Single cell transcriptional profiling reveals heterogeneity of human induced pluripotent stem cells, K. H. Narsinh, N. Sun, V. Sanchez-Freire, A. S. Lee, P. Almeida, S. Hu, T. Jan, K. D. Wilson, D. Leong, J. Rosenberg, M. Yao, R. C. Robbins, and J. C. Wu, *J Clin Invest*. 2011 March 1; 121(3): 1217–1221. Published online 2011 February 7. doi: 0.1172/JCI44635.

Generation of Functional Neutrophils from a Mouse Model of X-Linked Chronic Granulomatous Disorder Using Induced Pluripotent Stem Cells, M. S. Santilli G, Blundell MP, N. S, Bueren JA, et al. 201. *PLoS ONE* 6(3): e17565. doi:10.1371/journal.pone.0017565.

Human embryonic fibroblasts support single cell enzymatic expansion of human embryonic stem cells in xeno-free cultures, M. Kibschulla, M. Mileikovskya, I. P. Michaela, S. J. Lyea, and A. Nagya, *Stem Cell Research*, Volume 6, Issue 1, January 2011, Pages 70-82.

The ROCK Inhibitor Y-27632 Improves Recovery of Human Embryonic Stem Cells after Fluorescence-Activated Cell Sorting with Multiple Cell Surface Markers, N. Emre, J. G. Vidal, J. Elia, E. D. O'Connor, R. I. Paramban, M. P. Hefferan, R. Navarro, D. S. Goldberg, N. M. Varki, M. Marsala, C. T. Carson, *PLoS ONE* 5(8): e12148. doi:10.1371/journal.pone.0012148.

Culture of human pluripotent stem cells using completely defined conditions on a recombinant E-cadherin substratum, M. Nagaoka, K. Si-Tayeb, T. Akaike, and S. A. Duncan, *BMC Developmental Biology* 2010, 10:60doi:10.1186/ 1471-213X-10-60.

Differentiation of Human Embryonic Stem Cells into Germ Cell and Culture Condition for Single Embryonic Stem Cells Dissociated by Enzyme, HJ Chi, SY Choi, DY Chung. *Korean J Reprod Med* 37(1):13-23 Mar 2010. Korean.



Hematopoietic differentiation of induced pluripotent stem cells from patients with mucopolysaccharidosis type I (Hurler syndrome), J. Tolar, I. Park, L. Xia, C. J. Lees, B. Peacock, B. Webber, R. T. McElmurry, C. R. Eide, P. J. Orchard, M. Kyba, M. J. Osborn, T. C. Lund, J. E. Wagner, G. Q. Daley, and B. R. Blazar, Blood January 20, 2011 vol. 117 no. 3 839-847.

Directed differentiation of human pluripotent stem cells into intestinal tissue in vitro, J. R. Spence, C. N. Mayhew, S. A. Rankin, M. F. Kuhar, J. E. Vallance, K. Tolle, E. E. Hoskins, V. V. Kalinichenko, S. I. Wells, A. M. Zorn, N. F. Shroyer, & J. M. Wells, Nature Volume: 470, Pages: 105-109 Date published: (03 February 2011) DOI:i:10.1038/nature09691 Received 22 April 2010 Accepted 23 November 2010 Published online 12 December 2010.

In situ cryopreservation of human embryonic stem cells in gas-permeable membrane culture cassettes for high post-thaw yield and good manufacturing practice, K.J. Amps, M. Jones, D. Baker, and H.D. Moore, Cryobiology, Volume 60, Issue 3, June 2010, Pages 344-350.

Dopaminergic Neuronal Differentiation Protocol for Human Mesenchymal Stem Cells, K. A. Trzaska and P. Rameshwar, Mesenchymal Stem Cell Assays and Applications Methods in Molecular Biology, 2011, Volume 698, Part 3, 295-303, DOI: 10.1007/978-1-60761-999-4_22.

Human Embryonic Stem Cell-derived Dopaminergic Neurons Reverse Functional Deficit in Parkinsonian Rats, Yang, et al, Stem Cells, 0: 2007-0494v1, 2007.

Efficient gene delivery and Silencing of mouse and human pancreatic islets, Lefebvre et al, BMC Biotechnology, 10:28, 2010.

Neural progenitors derived from human embryonic stem cells are targeted by allogeneic T and natural killer cells, Preynat-Seauve, et al, Journal of Cellular and Molecular Medicine, Vol. 13:9b, pp 3556-3569, March 2009.

In vitro cultivation and cryopreservation of duck embryonic hepatocytes, Journal of Virological Methods, Volume 157, Issue 1, pp 25-31, 2009.

Highly Efficient Differentiation and Enrichment of Spinal Motor Neurons Derived from Human and Monkey Embryonic Stem Cells, Tamaki Wada, et al, PLoS One, 4(8); e6722, 2009.

Human oligodendrocytes from embryonic stem cells: conserved SHH signaling networks and divergent FGF effects, Bao-Yang Hu et al Development 136, pp1443-1452, , 2009.

Restricted Spontaneous In Vitro Differentiation and Region-Specific Migration of Long-Term Expanded Fetal Human Neural Precursor Cells After Transplantation Into the Adult Rat Brain, Maciaczyk et al, Stem Cells and Development, Vol.18(7): 1043-1058, 2009.

Neural conversion of human embryonic stem cell colonies in the presence of fibroblast growth factor-2, Benzing, et al, NeuroReport, Vol 17, Issue 16, November 2006.

Human ES cell-derived neural rosettes reveal a functionally distinct early neural stem cell stage, Elkabetz, et al., Genes & Development, 22: 152-165, 2008,.

ROCK inhibitor improves survival of cryopreserved serum/feed-free single human embryonic stem cells, Li, et al. Human Reproduction, Mar, 01; 24(3):580-9 2009. "Accutase significantly increases the survival of single hES cells after thawing."



Creation of Engineered Human Embryonic Stem Cell Lines Using phiC31 Integrase,
Thyagarajan, et al, Stem Cells, Vol. 26 Issue 1, 119-126, 2007.

A Scaleable and Defined System for Generating Neural Stem Cells from Human Embryonic Stem Cells, Joannides, et al, Stem Cells, Volume 25, Issue 3, 731-737, 2006.

Canine hemangiosarcoma originates from hematopoietic precursors with potential for endothelial differentiation, Lamerota-Kozicki et al., Experimental Hematology, Vol. 34 Pages 870-878, April 2006.

The JAK3 inhibitor WHI-P154 prevents PDGF-evoked process outgrowth in human neural precursor cells, Richards et al., Journal of Neurochemistry, Vol. 97 Page 201, April 2006.

High Efficacy of Clonal Growth and Expansion of Adult Neural Stem Cells, Frank-Peter Wachs et al, Lab Investigation, 83:949-962, 2003.

Derivation of pluripotent epiblast stem cells from mammalian embryos, Gabrielle M. Brons et al, Nature, 448, 191-195 (12 July 2007).

Somatic Stem Cell Marker Prominin-1/CD133 Is Expressed in Embryonic Stem Cell-Derived Progenitors, Gabriela Kania, Stem Cells, Vol. 23 NO: 6, Pages: 791-804, 2005

Nuclear factor-KB controls the reaggregation of 3D neurosphere cultures *in vitro*, Widera et al., European Cells and Materials, Vol. 11, Pages 76-85, 2006.

Autologous adult rodent neural progenitor cell transplantation represents a feasible strategy to promote structural repair in the chronically injured spinal cord, Pfeifer, Future Medicine, Pages 255-266, July 2006.

Neural Conversion of Human Embryonic Stem Cell Colonies in the Presence of Fibroblast Grown Factor-2, Benzing et al., Developmental Neuroscience, Vol. 17, No. 16, Pages 1675-1678, November 2006.

Lack of response to epidermal growth factor in adult neural progenitor cells, Kalluri et al., Molecular Neuroscience, Vol. 16, Pages 835-838, May 2005.

Behavioral Changes in Unilaterally 6-Hydroxy-Dopamine Lesioned Rats After Transplantation of Differentiated Mouse Embryonic Stem Cells Without Morphological Integration, Stem Cells, Vol. 22 Pages 396-404, 2004.

High efficacy of clonal growth and expansion of adult neural stem cells, Lab Investigation, Vol. 83(7):949-962, . July 2003. "In addition, increased cell survival was obtained when Accutase, instead of trypsin, was used for enzymatic dissociation of NSC cultures."

Oxygen Reduce Accumulation of type IV Collagen in endothelial Cell Subcellular Matrix via Oxidative Stress, T. Brevig. et al, Artificial Organs, Volume 30 Issue 12, Pages 915-921, December 2006.

Circulating fibroblasts, Philips, Journal of Clinical Investigation, Vol. 114, Pages 438-446, August 2004.

Adult neural progenitor cell grafts survive after acute spinal cord injury and integrate along axonal pathways, European Journal of Neuroscience, Vol, 18 Issue 4, Page 743, August 2003.



Inhibition of death-receptor mediated apoptosis in human adipocytes by the IGF-1/IGF-1R autocrine circuit, Endocrinology. December 22, 2003.

Binding of gastrointestinal tumor cells to endothelial E- and P-selectin adhesion receptors leads to transient down-regulation of sLeX ligands in vitro, International Journal of Colorectal Disease, Volume 18, Number 4, Pages: 292 – 299, July 2003.

A microcarrier cell culture process for propagating rabies virus in Vero cells grown in a stirred bioreactor under fully animal component free conditions. Rourou, et al, Vaccine, 10; 25(19):3879-89, 2007.

A cell-detachment solution can reduce background staining in the ELISPOT assay, Grant A, et al., Methods of Molecular Biology, 302:87-94, 2005.

Oxygen Reduces Accumulation of Type IV Collagen in Endothelial Cell Subcellular Matrix via Oxidative Stress, T. Brevig, et al, Artificial Organs, Volume 30 Issue 12 Page 915-921, December 2006.

Integrin Signalling Regulates the Nuclear Localization and Function of the Lysophosphatidic Acid Receptor-1 (LPA₁) In Mammalian Cells, Waters et al. Biochemical Journal Immediate Publication, May 2006.

Minute numbers of contaminant CD8⁺ T cells or CD11b⁺CD11c⁺ NK cells are the source of IFN-γ in IL-12/IL-18-stimulated mouse macrophage populations, Schleicher et al., Blood Vol. 105, Pages 1319-1328, February 2005.

Cell Permeable Peptide of JNK Inhibitor Prevents Islet Apoptosis Immediately After Isolation and Improves Islet Graft Function, Noguchi et al., American Journal of Transplantation, Vol. 5, Pages 1848-1855, August 2005.

Rescue Purification Maximizes the Use of Human Islet Preparations for Transplantation, Ichii et al., American Journal of Transplantation, Vol. 5, Pages 21-30, © 2005.

Prognostic Significance of Tissue Factor in Pancreatic Ductal Adenocarcinoma, Nitori et al., Clinical Cancer Research, Vol. 11, Pages 2531-2539, April 2005.

Development of Colorimetric Microtiter Plate Assay for Assessment of Antimicrobials against Acanthamoeba, McBride et al., American Society for Microbiology, Vol. 43, Pages 629-634, September 2004.

Circulating fibroblasts, Phillips, Journal of Clinical Investigation, Vol. 114, Pages 438-446, August 2004.

Galectin-3 is induced in rheumatoid arthritis synovial fibroblasts after adhesion to cartilage oligomeric matrix protein, Neidhart et al., Arthritis and Rheumatism Pages 64:419-424, June 2004.

Cellular engineering of ventricular adult rat cardiomyocytes, Cardiovascular Research, 2003 Oct 1;59(4):874-882. "Detachment of cultured vARCs using Accutase is well compatible with ectopic gene expression and yields a viable transgenic population of vARCs that eventually may be suitable as transgenic cardiomyocyte grafts."

Innovative Cell Technologies, Inc.
6790 Top Gun St. #1, San Diego, CA 92121
San Diego, CA 92121, f 8584532117



For a free sample of Accutase & Accumax, visit www.innovativecelltech.com or call 858 587 1716