

RESEARCH PUBLICATIONS FEATURING RUSKINN TECHNOLOGY WORKSTATIONS

| Date | Journal | Anaerobic Workstation | Hypoxic Workstation | Publication | Country (of PI) | (PI) Primary Investigator |
|--------|---|-----------------------|-------------------------|---|----------------------------|---------------------------|
| Feb-10 | Proceedings of the National Academy of Sciences | Concept 400 | | Differential release of chromatin-bound IL-1α discriminates between necrotic and apoptotic cell death by the ability to induce sterile inflammation Idan Cohen, Peleg Rider, Yaron Carmi, Alex Braiman, Shahar Dotan, Malka R. White, Elena Voronov, Michael U. Martin, Charles A. Dinarello, and Ron N. Apte PNAS Feb 2010; 107: 2574 - 2579 | Israel (Negev, Beer-Sheva) | Apte, Ron N. |
| Feb-10 | Journal of Biological Chemistry | | Invivo ₂ 400 | Hypoxia-activated Smad3-specific Dephosphorylation by PP2A Pekka T. Heikkinen, Marika Nummela, Suvi-Katri Leivonen, Jukka Westermarck, Caroline S. Hill, Veli-Matti Kähäri, and Panu M. Jaakkola J. Biol. Chem. Feb 2010; 285: 3740 - 3749 | Finland (Turku) | Jaakkola, Panu M. |
| Feb-10 | Journal of Leukocyte Biology | | Invivo ₂ | Induction of HIF-1α and the glycolytic pathway alters apoptotic and differentiation profiles of activated human T cells Anis Larbi, Henning Zelba, David Goldeck, and Graham Pawelec J. Leukoc. Biol. Feb 2010; 87: 265 - 273 | Germany (Tübingen) | Pawelec, Graham |
| Feb-10 | American Journal of Pathology | | Invivo ₂ 400 | Human Nephrosclerosis Triggers a Hypoxia-Related Glomerulopathy Matthias A. Neusser, Maja T. Lindenmeyer, Anton G. Moll, Stephan Segerer, Ilka Edenhofer, Kontheari Sen, Daniel P. Stiehl, Matthias Kretzler, Hermann-Josef Gröne, Detlef Schlöndorff, and Clemens D. Cohen Am J Pathol Feb 2010; 176: 594 - 607 | Switzerland (Zurich) | Cohen, Clemens D. |
| Feb-10 | Cancer Research | | Invivo ₂ 400 | Effects of Acute versus Chronic Hypoxia on DNA Damage Responses and Genomic Instability Isabel M. Pires, Zuzana Bencokova, Manuela Milani, Lisa K. Folkes, Ji-Liang Li, Mike R. Stratford, Adrian L. Harris, and Ester M. Hammond Cancer Res. Feb 2010; 70: 925 - 935 | United Kingdom (Oxford) | Hammond, Ester M. |

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| Jan-10 | Journal of Biological Chemistry | | Invivo ₂ 400 | FM19G11, a New Hypoxia-inducible Factor (HIF) Modulator, Affects Stem Cell Differentiation Status Victoria Moreno-Manzano, Francisco J. Rodríguez-Jiménez, Jose L. Aceña-Bonilla, Santos Fustero-Lardies, Slaven Erceg, Joaquin Dopazo, David Montaner, Miodrag Stojkovic, and Jose M. Sánchez-Puelles 1. Biol. Chem. Jan 2010; 285: 1333 - 1342 | Madrid (Spain) | Sánchez-Puelles, José-María |
| Jan-10 | Journal of Biological Chemistry | | Invivo ₂ 400 | FM19G11, a New Hypoxia-inducible Factor (HIF) Modulator, Affects Stem Cell Differentiation Status Victoria Moreno-Manzano, Francisco J. Rodríguez-Jiménez, Jose L. Aceña-Bonilla, Santos Fustero-Lardies, Slaven Erceg, Joaquin Dopazo, David Montaner, Miodrag Stojkovic, and Jose M. Sánchez-Puelles 1. Biol. Chem. Jan 2010; 285: 1333 - 1342 | Madrid (Spain) | Sánchez-Puelles, José-María |
| Jan-10 | Cancer Research | | Invivo ₂ 400 | Prolyl Hydroxylases 2 and 3 Act in Gliomas as Protective Negative Feedback Regulators of Hypoxia-Inducible Factors Anne-Theres Henze, Johanna Riedel, Tanja Diem, Julia Wenner, Ingo Flamme, Jacques Pouyseggur, Karl H. Plate, and Till Acker Cancer Res. , Jan 2010; 70: 357 - 366. | Germany (Giessen) | Acker, Till |
| Jan-10 | Molecular and Cellular Biology | | Invivo ₂ 400 | Regulation of the Histone Demethylase JMJD1A by Hypoxia-Inducible Factor 1 Enhances Hypoxic Gene Expression and Tumor Growth Adam J. Krieg, Erinn B. Rankin, Denise Chan, Olga Razorenova, Sully Fernandez, and Amato J. Giaccia Mol. Cell. Biol. Jan 2010; 30: 344 - 353 | United States (Stanford, CA) | Giaccia, Amato J. |
| Dec-09 | Cancer Research | | Invivo ₂ 400 | Hypoxia-Regulated Delta-like 1 Homologue Enhances Cancer Cell Stemness and Tumorigenicity Yuri Kim, Qun Lin, Daniel Zelterman, and Zhong Yun Cancer Res. , Dec 2009; 69: 9271 - 9280. | United States (New Haven) | Yun, Zhong |

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| Dec-09 | American Journal of Physiology - Lung Cellular and Molecular Physiology | | Invivo ₂ | Hypoxia-induced alveolar epithelial-mesenchymal transition requires mitochondrial ROS and hypoxia-inducible factor 1 Guofei Zhou, Laura A. Dada, Minghua Wu, Aileen Kelly, Humberto Trejo, Qiyuan Zhou, John Varga, and Jacob I. Sznajder Am J Physiol Lung Cell Mol Physiol , Dec 2009; 297: L1120 - L1130. | United States (Chicago) | Sznajder, Jacob I. |
| Dec-09 | Cancer Research | | Invivo ₂ | Hypoxia Regulates Insulin Receptor Substrate-2 Expression to Promote Breast Carcinoma Cell Survival and Invasion Katerina Mardilovich and Leslie M. Shaw Cancer Res. , Dec 2009; 69: 8894 - 8901. | United States (Worcester, MA) | Shaw, Leslie M. |
| Dec-09 | Journal of Biological Chemistry | | Invivo ₂ 200 | An Integrated Approach for Experimental Target Identification of Hypoxia-induced miR-210 Pasquale Fasanaro, Simona Greco, Maria Lorenzi, Mario Pescatori, Maura Brioschi, Ritu Kulshreshtha, Cristina Banfi, Andrew Stubbs, George A. Calin, Mircea Ivan, Maurizio C. Capogrossi, and Fabio Martelli J Biol Chem , Dec 2009; 284: 35134 - 35143 | Italy (Rome) | Martelli, Fabio |
| Nov-09 | FASEB Journal | | Invivo ₂ 400 | Mitochondrial reactive oxygen species are required for hypoxia-induced degradation of keratin intermediate filaments Ni Na, Navdeep S. Chandel, Juan Litvan, and Karen M. Ridge FASEB J. Nov 2009; 10.1096/fj.08-128967. | United States (Chicago) | Ridge, Karen M. |
| Nov-09 | Eukaryotic Cell | | Invivo ₂ 400 | Conservation of the Sterol Regulatory Element-Binding Protein Pathway and Its Pathobiological Importance in Cryptococcus neoformans Yun C. Chang, Susham S. Ingavale, Clara Bien, Peter Espenshade, and Kyung J. Kwon-Chung Eukaryot. Cell , Nov 2009; 8: 1770 - 1779 | United States (Bethesda, MD) | Kwon-Chung, J. |
| Oct-09 | Proceedings of the National Academy of Sciences | | Invivo ₂ 300 | IL-18 binding protein-expressing mesenchymal stem cells improve myocardial protection after ischemia or infarction Meijing Wang, Jiangning Tan, Yue Wang, Kirstan K. Meldrum, Charles A. Dinarello, and Daniel R. Meldrum PNAS , Oct 2009; 106: 17499 - 17504. | United States (Indianapolis) | Meldrum, Daniel R. |

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|--------|---|-----------------------|--------------------------|--|-------------------------------------|---------------------------|
| Oct-09 | The Journal of Immunology | Concept 400 | | The Role of Macrophage-Derived IL-1 in Induction and Maintenance of Angiogenesis Yaron Carmi, Elena Voronov, Shahar Dotan, Nitza Lahat, Michal A. Rahat, Mina Fogel, Monika Huszar, Malka R. White, Charles A. Dinarello, and Ron N. Apte <i>J. Immunol.</i> Oct 2009; 183: 4705 - 4714 | Israel (Negev, Beer-Sheva) | Apte, Ron N. |
| Oct-09 | Clinical Cancer Research | | Invivo ₂ 1000 | Identification of a Novel Small Molecule HIF-1α Translation Inhibitor Takuhito Narita, Shaoman Yin, Christine F. Gelin, Carlos S. Moreno, Manuel Yepes, K.C. Nicolaou, and Erwin G. Van Meir <i>Clin. Cancer Res.</i> Oct 2009; 15: 6128 - 6136 | United States (Atlanta) | Van Meir, Erwin G. |
| Oct-09 | | | Invivo ₂ 400 | Inhibition of Tumor Cell Growth, Invasion, and Metastasis by EXEL-2880 (XL880, GSK1363089), a Novel Inhibitor of HGF and VEGF Receptor Tyrosine Kinases Fawn Qian, Stefan Engst, Kyoko Yamaguchi, Peiwen Yu, Kwang-Ai Won, Lillian Mock, Tracy Lou, Jenny Tan, Connie Li, Danny Tam, Julie Loughheed, F. Michael Yakes, Frauke Bentzien, Wei Xu, Tal Zaks, Richard Wooster, Joel Greshock, and Alison H. Joly <i>Cancer Res.</i> , Oct 2009; 69: 8009 - 8016. | United States (South San Francisco) | Joly, Alison H. |
| Sep-09 | Toxicology and Industrial Health | | Invivo ₂ 400 | Arsenic trioxide inhibits the growth of human lung cancer cell lines via cell cycle arrest and induction of apoptosis at both normoxia and hypoxia Qu Ge-ping, Xiu Qing-Yu, Li Bing, Liu Yong-an, and Zhang Ling-Zhen <i>Toxicology and Industrial Health.</i> Sep 2009; 25: 505 - 515 | China (Shanghai) | Ling-Zhen, Zhang |
| Sep-09 | Proceedings of the National Academy of Sciences | | Invivo ₂ 400 | HIF-2α maintains an undifferentiated state in neural crest-like human neuroblastoma tumor-initiating cells Alexander Pietras, Loen M. Hansford, A. Sofie Johnsson, Esther Bridges, Jonas Sjölund, David Gisselsson, Matilda Rehn, Siv Beckman, Rosa Noguera, Samuel Navarro, Jörg Cammenga, Erik Fredlund, David R. Kaplan, and Sven Pålman <i>PNAS.</i> Sep 2009; 106: 16805 - 16810 | Sweden (Malmö) | Pålman, Sven |

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| Sep-09 | Blood | | Invivo ₂ | The supernatant of apoptotic cells causes transcriptional activation of hypoxia-inducible factor-1α in macrophages via sphingosine-1-phosphate and transforming growth factor-β Barbara Herr, Jie Zhou, Christian Werno, Heidi Menrad, Dmitry Namgaladze, Andreas Weigert, Nathalie Dehne, and Bernhard Brüne Blood , Sep 2009; 114: 2140 - 2148. | Germany (Frankfurt) | Brüne, Bernhard |
| Aug-09 | Cancer Research | | Invivo ₂ 400 | Tumor Vascular Changes Mediated by Inhibition of Oncogenic Signaling Naseer Qayum, Ruth J. Muschel, Jae Hong Im, Lukxmi Balathasan, Cameron J. Koch, Sonal Patel, W. Gillies McKenna, and Eric J. Bernhard Cancer Res. Aug 2009; 69: 6347 - 6354. | United Kingdom (Oxford) | Bernhard, Eric J. |
| Aug-09 | Journal of Biological Chemistry | | Invivo ₂ 400 | Activation of Cu,Zn-Superoxide Dismutase in the Absence of Oxygen and the Copper Chaperone CCS Jeffry M. Leitch, Laran T. Jensen, Samantha D. Bouldin, Caryn E. Outten, P. John Hart, and Valeria C. Culotta J. Biol. Chem. Aug 2009; 284: 21863 - 21871. | United States (Baltimore) | Culotta, Valeria C. |
| Aug-09 | Proceedings of the National Academy of Sciences | | Invivo ₂ 400 | Longitudinal and multimodal in vivo imaging of tumor hypoxia and its downstream molecular events Steffi Lehmann, Daniel P. Stiehl, Michael Honer, Marco Dominiotto, Ruth Keist, Ivana Kotevic, Kristin Wollenick, Simon Ametamey, Roland H. Wenger, and Markus Rudin PNAS Aug 2009; 106: 14004 - 14009 | Switzerland (Zurich) | Rudin, Markus |
| Aug-09 | Proceedings of the National Academy of Sciences | | Invivo ₂ | HIF2α inhibition promotes p53 pathway activity, tumor cell death, and radiation responses Jessica A. Bertout, Amar J. Majmundar, John D. Gordan, Jennifer C. Lam, Dara Ditsworth, Brian Keith, Eric J. Brown, Katherine L. Nathanson, and M. Celeste Simon PNAS Aug 2009; 106: 14391 - 14396 | United States (Philadelphia) | Simon, M. Celeste |
| Jul-09 | American Journal of Pathology | | Invivo ₂ 400 | Expression and Functional Regulation of Myoglobin in Epithelial Cancers Simona Emilia Flonta, Sabrina Arena, Alberto Pisacane, Paolo Michieli, and Alberto Bardelli Am. J. Pathol. Jul 2009; 175: 201 - 206. | Italy (Milan) | Bardelli, Alberto |

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| Jul-09 | FASEB Journal | | Invivo ₂ 400 | Proapoptotic Noxa is required for particulate matter-induced cell death and lung inflammation Daniela Urich, Saul Soberanes, Zach Burgess, Sergio E. Chiarella, Andrew J. Ghio, Karen M. Ridge, David W. Kamp, Navdeep S. Chandel, Gökhan M. Mutlu, and G. R. Scott Budinger FASEB J , Jul 2009; 23: 2055 - 2064. | United States (Chicago) | Budinger, G. R. Scott |
| Jul-09 | Journal of Biological Chemistry | | Invivo ₂ 400 | Degradation of Sterol Regulatory Element-binding Protein Precursor Requires the Endoplasmic Reticulum-associated Degradation Components Ubc7 and Hrd1 in Fission Yeast Bridget T. Hughes, Christine C. Nwosu, and Peter J. Espenshade J. Biol. Chem. , Jul 2009; 284: 20512 - 20521. | United States (Baltimore) | Espenshade, Peter J. |
| Jul-09 | Molecular Cancer Research | | Invivo ₂ 500 | Vascular Caveolin Deficiency Supports the Angiogenic Effects of Nitrite, a Major End Product of Nitric Oxide Metabolism in Tumors Françoise Frérart, Irina Lobysheva, Bernard Gallez, Chantal Dessy, and Olivier Feron Mol. Cancer Res. , Jul 2009; 7: 1056 - 1063. | Belgium (Brussels) | Feron, Olivier |
| Jul-09 | Molecular Cancer Therapeutics | | Invivo ₂ 400 | Increased antitumor activity of bevacizumab in combination with hypoxia inducible factor-1 inhibition Annamaria Rapisarda, Melinda Hollingshead, Badarch Uranchimeg, Carrie A. Bonomi, Suzanne D. Borgel, John P. Carter, Bradley Gehrs, Mark Raffeld, Robert J. Kinders, Ralph Parchment, Miriam R. Anver, Robert H. Shoemaker, and Giovanni Melillo Mol. Cancer Ther. , Jul 2009; 8: 1867 - 1877. | United States (Frederick, MD) | Melillo, Giovanni |
| Jul-09 | Molecular and Cellular Biology | | Invivo ₂ | α1-AMP-Activated Protein Kinase Regulates Hypoxia-Induced Na,K-ATPase Endocytosis via Direct Phosphorylation of Protein Kinase Cζ Galina A. Gusarova, Laura A. Dada, Aileen M. Kelly, Chaya Brodie, Lee A. Witters, Navdeep S. Chandel, and Jacob I. Sznajder Mol. Cell. Biol. , Jul 2009; 29: 3455 - 3464. | United States (Chicago) | Sznajder, Jacob I. |

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| Jun-09 | Blood | | Invivo ₂ | The supernatant of apoptotic cells causes transcriptional activation of HIF-1α in macrophages via sphingosine-1-phosphate and transforming growth factor-β Barbara Herr, Jie Zhou, Christian Werno, Heidi Menrad, Dmitry Namgaladze, Andreas Weigert, Nathalie Dehne, and Bernhard Brüne Blood , Jun 2009; 10.1182/blood-2009-01-201889 | Germany (Frankfurt) | Brüne, Bernhard |
| Jun-09 | Applied and Environmental Microbiology | | Invivo ₂ 200 | Hypoxic Adaptation by Efg1 Regulates Biofilm Formation by <i>Candida albicans</i> Catrin Stichternoth and Joachim F. Ernst Appl. Envir. Microbiol. , Jun 2009; 75: 3663 - 3672. | Germany (Düsseldorf) | Ernst, Joachim F. |
| Jun-09 | American Journal of Physiology - Regulatory, Integrative and Comparative Physiology | | Invivo ₂ 300 | High glucose concentration in cell culture medium does not acutely affect human mesenchymal stem cell growth factor production or proliferation Brent R. Weil, Aaron M. Abarbanell, Jeremy L. Herrmann, Yue Wang, and Daniel R. Meldrum Am J Physiol Regulatory Integrative Comp Physiol , Jun 2009; 296: R1735 - R1743. | United States (Indianapolis) | Meldrum, Daniel R. |
| Jun-09 | Arteriosclerosis, Thrombosis, and Vascular Biology | | Invivo ₂ | Sphingosine-1-Phosphate: A Novel Nonhypoxic Activator of Hypoxia-Inducible Factor-1 in Vascular Cells Maude D. Michaud, Geneviève A. Robitaille, Jean-Philippe Gratton, and Darren E. Richard Arterioscler. Thromb. Vasc. Biol. , Jun 2009; 29: 902 - 908. | Canada (Montréal) | Richard, Darren E. |
| Jun-09 | The Journal of Nuclear Medicine | (Anaerobic Workstation) | | Imaging of HIF-1-Active Tumor Hypoxia Using a Protein Effectively Delivered to and Specifically Stabilized in HIF-1-Active Tumor Cells Takashi Kudo, Masashi Ueda, Yuji Kuge, Takahiro Mukai, Shotaro Tanaka, Maki Masutani, Yasushi Kiyono, Shinae Kizaka-Kondoh, Masahiro Hiraoka, and Hideo Saji J. Nucl. Med. , Jun 2009; 50: 942 - 949 | Japan (Kyoto) | Saji, Hideo |
| May-09 | Applied and Environmental Microbiology | Concept 400 | | Stereospecific Biotransformation of Dihydrodaidzein into (3S)-Equol by the Human Intestinal Bacterium <i>Eggerthella Strain Julong 732</i> Mihyang Kim, Su-Il Kim, Jaehong Han, Xiu-Ling Wang, Dae-Geun Song, and Soo-Un Kim Appl. Envir. Microbiol. , May 2009; 75: 3062 - 3068 | South Korea (Seoul) | Kim, Soo-Un |

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| May-09 | Molecular and Cellular Biology | BugBox | | Hypoxia-Induced Autophagy Is Mediated through Hypoxia-Inducible Factor Induction of BNIP3 and BNIP3L via Their BH3 Domains Grégory Bellot, Raquel Garcia-Medina, Pierre Gounon, Johanna Chiche, Danièle Roux, Jacques Pouysségur, and Nathalie M. Mazure Mol. Cell. Biol. , May 2009; 29: 2570 - 2581. | France (Nice) | Mazure, Nathalie M. |
| May-09 | Clinical Cancer Research | | Invivo ₂ 400 | Loss of VHL and Hypoxia Provokes PAX2 Up-Regulation in Clear Cell Renal Cell Carcinoma Van-Duc Luu, Gunther Boysen, Kirsten Struckmann, Silvia Casagrande, Adriana von Teichman, Peter J. Wild, Tullio Sulser, Peter Schraml, and Holger Moch Clin. Cancer Res. , May 2009; 15: 3297 - 3304 | Switzerland (Zurich) | Moch, Holger |
| Apr-09 | Molecular and Cellular Biology | | Invivo ₂ | Key Role for Activin B in Cellular Transformation after Loss of the von Hippel-Lindau Tumor Suppressor Ingrid Wacker, Martin Sachs, Karl Knaup, Michael Wiesener, Jörg Weiske, Otmar Huber, Ziya Akçetin, and Jürgen Behrens Mol. Cell. Biol. , Apr 2009; 29: 1707 - 1718. | Germany (Erlangen) | Behrens, Jürgen |
| Apr-09 | Cancer Research | BugBox | | αvβ3/αvβ5 Integrins-FAK-RhoB: A Novel Pathway for Hypoxia Regulation in Glioblastoma Nicolas Skuli, Sylvie Monferran, Caroline Delmas, Gilles Favre, Jacques Bonnet, Christine Toulas, and Elizabeth Cohen-Jonathan Moyal Cancer Res. , Apr 2009; 69: 3308 - 3316 | France (Toulouse) | Cohen-Jonathan-Moyal, Elizabeth |
| Apr-09 | Molecular Cancer Therapeutics | | Invivo ₂ 400 | The selective hypoxia inducible factor-1 inhibitor PX-478 provides <i>in vivo</i> radiosensitization through tumor stromal effects David L. Schwartz, Garth Powis, Arun Thitai-Kumar, Yi He, James Bankson, Ryan Williams, Robert Lemos, Junghwan Oh, Andrei Volgin, Suren Soghomonyan, Ryuichi Nishii, Mian Alauddin, Uday Mukhopadhyay, Zhenghong Peng, William Bornmann, and Juri Gelovani Mol. Cancer Ther. , Apr 2009; 8: 947 - 958 | United States (Houston) | Gelovani, Juri |

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| Apr-09 | Journal of Biological Chemistry | | Invivo ₂ 200 | Erythrocytosis-associated HIF-2α Mutations Demonstrate a Critical Role for Residues C-terminal to the Hydroxylacceptor Proline Paul W. Furlow, Melanie J. Percy, Scott Sutherland, Charlene Bierl, Mary Frances McMullin, Stephen R. Master, Terence R. J. Lappin, and Frank S. Lee <i>J. Biol. Chem.</i> Apr 2009; 284: 9050 - 9058 | United States (Philadelphia) | Lee, Frank S. |
| Mar-09 | Molecular Cancer Research | | Invivo ₂ 400 | Hypoxia Enhances Sphingosine Kinase 2 Activity and Provokes Sphingosine-1-Phosphate-Mediated Chemoresistance in A549 Lung Cancer Cells Steffen E. Schnitzer, Andreas Weigert, Jie Zhou, and Bernhard Brüne <i>Mol. Cancer Res.</i> Mar 2009; 7: 393 - 401 | Germany (Frankfurt) | Brüne, Bernhard |
| Mar-09 | The Journal of Immunology | | Invivo ₂ 400 | The Cooperative Induction of Hypoxia-Inducible Factor-1α and STAT3 during Hypoxia Induced an Impairment of Tumor Susceptibility to CTL-Mediated Cell Lysis Muhammad Zaeem Noman, Stéphanie Buart, Jos Van Pelt, Catherine Richon, Meriem Hasmim, Nathalie Leleu, Wictoria Maria Suchorska, Abdelali Jalil, Yann Lecluse, Faten El Hage, Massimo Giuliani, Christophe Pichon, Bruno Azzarone, Nathalie Mazure, Pedro Romero, Fathia Mami-Chouaib, and Salem Chouaib <i>J. Immunol.</i> , Mar 2009; 182: 3510 - 3521. | France (Villejuif) | Chouaib, Salem |
| Mar-09 | The Journal of Physiology | | Invivo ₂ | Effect of intracellular lipid droplets on cytosolic Ca²⁺ and cell death during ischaemia-reperfusion injury in cardiomyocytes Ignasi Barba, Laia Chavarria, Marisol Ruiz-Meana, Maribel Mirabet, Esperanza Agulló, and David Garcia-Dorado <i>J. Physiol.</i> Mar 2009; 587: 1331 - 1341. | Spain (Barcelona) | Garcia-Dorado, David |
| Mar-09 | The Journal of Immunology | | Invivo ₂ 400 | Macrophage Oxygen Sensing Modulates Antigen Presentation and Phagocytic Functions Involving IFN-γ Production through the HIF-1α Transcription Factor Bárbara Acosta-Iborra, Ainara Elorza, Isabel M. Olazabal, Noa B. Martín-Cofreces, Silvia Martín-Puig, Marta Miró, María J. Calzada, Julián Aragonés, Francisco Sánchez-Madrid, and Manuel O. Landázuri <i>J. Immunol.</i> Mar 2009; 182: 3155 - 3164. | Spain (Madrid) | Landázuri, Manuel O. |

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| Feb-09 | Blood | | Invivo ₂ 400 | CXCR4 expression and biologic activity in acute myeloid leukemia are dependent on oxygen partial pressure Michael Fiegl, Ismael Samudio, Karen Clise-Dwyer, Jared K. Burks, Zakar Mnjoyan, and Michael Andreeff Blood , Feb 2009; 113: 1504 - 1512. | United States (Houston) | Andreeff, Michael |
| Feb-09 | Cancer Research | | Invivo ₂ 400 | The Role of Tumor Cell-Derived Connective Tissue Growth Factor (CTGF/CCN2) in Pancreatic Tumor Growth Kevin L. Bennewith, Xin Huang, Christine M. Ham, Edward E. Graves, Janine T. Erler, Neeraja Kambham, Jonathan Feazell, George P. Yang, Albert Koong, and Amato J. Giaccia Cancer Res. , Feb 2009; 69: 775 - 784 | United States (Stanford, CA) | Giaccia, Amato J. |
| Feb-09 | Journal of Biological Chemistry | | Invivo ₂ 300 | SWI/SNF Regulates the Cellular Response to Hypoxia Niall S. Kenneth, Sharon Mudie, Patrick van Uden, and Sonia Rocha J. Biol. Chem. , Feb 2009; 284: 4123 - 4131. | United Kingdom (Scotland) | Rocha, Sonia |
| Feb-09 | Cancer Research | | Invivo ₂ 400 | The Hypoxia-Activated ProDrug AQ4N Penetrates Deeply in Tumor Tissues and Complements the Limited Distribution of Mitoxantrone Olivier Trédan, Alaina B. Garbens, Alshad S. Lalani, and Ian F. Tannock Cancer Res. , Feb 2009; 69: 940 - 947 | Canada (Toronto) | Tannock, Ian F. |
| Jan-09 | Clinical Cancer Research | | Invivo ₂ | Reoxygenation of Hypoxic Glioblastoma Multiforme Cells Potentiates the Killing Effect of an Interleukin-13-Based Cytotoxin Tie Fu Liu, Jiaozhong Cai, Denise M. Gibo, and Waldemar Debinski Clin. Cancer Res. , Jan 2009; 15: 160 - 168. | United States (Winston-Salem) | Debinski, Waldemar |
| Jan-09 | Molecular Cancer Therapeutics | | Invivo ₂ 400 | Arsenic trioxide is highly cytotoxic to small cell lung carcinoma cells Helen M. Pettersson, Alexander Pietras, Matilda Munksgaard Persson, Jenny Karlsson, Leif Johansson, Maria C. Shoshan, and Sven Pålman Mol. Cancer Ther. , Jan 2009; 8: 160 - 170 | Sweden (Lund) | Pålman, Sven |

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| Jan-09 | Cancer Research | (Anaerobic Workstation) | | Hypoxia-Inducible Carbonic Anhydrase IX and XII Promote Tumor Cell Growth by Counteracting Acidosis through the Regulation of the Intracellular pH Johanna Chiche, Karine Ilc, Julie Laferrière, Eric Trottier, Frédéric Dayan, Nathalie M. Mazure, M. Christiane Brahimi-Horn, and Jacques Pouyssegur <i>Cancer Res.</i> Jan 2009; 69: 358 - 368 | France (Nice) | Pouyssegur, Jacques |
| Jan-09 | Proceedings of the National Academy of Sciences | | Invivo ₂ 400 | DJ-1/PARK7 is an important mediator of hypoxia-induced cellular responses Sophie Vasseur, Samia Afzal, Joël Tardivel-Lacombe, David S. Park, Juan Lucio Iovanna, and Tak Wah Mak <i>PNAS.</i> Jan 2009; 106: 1111 - 1116. | Canada (Toronto) | Wah Mak, Tak |
| Jan-09 | Molecular Cancer Research | | Invivo ₂ 400 | Mutual Regulation of Hypoxia-Inducible Factor and Mammalian Target of Rapamycin as a Function of Oxygen Availability Karl X. Knaup, Katrin Jozefowski, Regina Schmidt, Wanja M. Bernhardt, Alexander Weidemann, Jan Steffen Juergensen, Christina Warnecke, Kai-Uwe Eckardt, and Michael S. Wiesener <i>Mol. Cancer Res.</i> Jan 2009; 7: 88 - 98 | Germany (Erlangen) | Wiesener, Michael Sean |
| Dec-08 | Molecular and Cellular Biology | | Invivo ₂ | Tumor Hypoxia Blocks Wnt Processing and Secretion through the Induction of Endoplasmic Reticulum Stress Meletios Verras, Ioanna Papandreou, Ai Lin Lim, and Nicholas C. Denko <i>Mol. Cell. Biol.</i> Dec 2008; 28: 7212 - 7224. | United States (Stanford, CA) | Denko, Nicholas C. |
| Dec-08 | American Journal of Physiology - Regulatory, Integrative and Comparative Physiology | | Invivo ₂ 1000 | Placental HIFs as markers of cerebral hypoxic distress in fetal mice Regina Trollmann, Katja Strasser, Stephan Keller, Xenia Antoniou, Beat Grenacher, Omolara O. Ogunshola, Jörg Dötsch, Wolfgang Rascher, and Max Gassmann <i>Am J Physiol Regulatory Integrative Comp Physiol</i> , Dec 2008; 295: R1973 - R1981. | Switzerland (Zurich) | Gassmann, Max |
| Dec-08 | Molecular and Cellular Biology | | Invivo ₂ 400 & Invivo ₂ Plus | Hypoxia-Associated Factor, a Novel E3-Ubiquitin Ligase, Binds and Ubiquitinates Hypoxia-Inducible Factor 1α, Leading to Its Oxygen-Independent Degradation Mei Yee Koh, Bryant G. Darnay, and Garth Powis <i>Mol. Cell. Biol.</i> Dec 2008; 28: 7081 - 7095. | United States (Houston) | Powis, Garth |

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| Dec-08 | Journal of Biological Chemistry | | Invivo ₂ | The Histone Demethylases JMJD1A and JMJD2B Are Transcriptional Targets of Hypoxia-inducible Factor HIF Sophie Beyer, Malene Maag Kristensen, Kim Steen Jensen, Jens Vilstrup Johansen, and Peter Staller <i>J. Biol. Chem.</i> , Dec 2008; 283: 36542 - 36552. | Denmark (Copenhagen) | Staller, Peter |
| Dec-08 | Carcinogenesis | | Invivo ₂ 400 | Impaired DNA double-strand break repair contributes to chemoresistance in HIF-1α-deficient mouse embryonic fibroblasts Renato Wirthner, Simon Wrann, Kuppusamy Balamurugan, Roland H. Wenger, and Daniel P. Stiehl <i>Carcinogenesis</i> , Dec 2008; 29: 2306 - 2316 | Switzerland (Zurich) | Stiehl, Daniel P. |
| Dec-08 | FASEB Journal | | Invivo ₂ 400 | Apelin/APJ signaling system: a potential link between adipose tissue and endothelial angiogenic processes O. Kunduzova, N. Alet, N. Delesque-Touchard, L. Millet, I. Castan-Laurell, C. Muller, C. Dray, P. Schaeffer, J. P. Herault, P. Savi, F. Bono, and P. Valet <i>FASEB J.</i> Dec 2008; 22: 4146 - 4153 | France (Toulouse) | Valet, P. |
| Dec-08 | International Journal of Systematic and Evolutionary Microbiology | (Anaerobic Workstation) | | <i>Butyricoccus pullicaecorum</i> gen. nov., sp. nov., an anaerobic, butyrate-producing bacterium isolated from the caecal content of a broiler chicken Venessa Eeckhaut, Filip Van Immerseel, Emma Teirlynck, Frank Pasmans, Veerle Fievez, Cindy Snauwaert, Freddy Haesebrouck, Richard Ducatelle, Petra Louis, and Peter Vandamme <i>Int J Syst Evol Microbiol</i> , Dec 2008; 58: 2799 - 2802. | Belgium (Ghent) | Vandamme, Peter |
| Nov-08 | Cancer Research | | Invivo ₂ 400 | Hypoxia-Mediated Induction of the Polyamine System Provides Opportunities for Tumor Growth Inhibition by Combined Targeting of Vascular Endothelial Growth Factor and Ornithine Decarboxylase Katrin J. Svensson, Johanna E. Welch, Paulina Kucharzewska, Per Bengtson, Maria Bjurberg, Sven Pålman, Gerdy B. Ten Dam, Lo Persson, and Mattias Belting <i>Cancer Res.</i> Nov 2008; 68: 9291 - 9301 | Sweden (Lund) | Belting, Mattias |

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| Nov-08 | Journal of Biological Chemistry | | Invivo ₂ 400 | Nuclear Oxygen Sensing: Induction of Endogenous Prolyl-hydroxylase 2 Activity by Hypoxia and Nitric Oxide Utta Berchner-Pfannschmidt, Suzan Tug, Buena Trinidad, Felix Oehme, Hatice Yamac, Christoph Wotzlaw, Ingo Flamme, and Joachim Fandrey <i>J. Biol. Chem.</i> Nov 2008; 283: 31745 - 31753 | Germany (Essen) | Fandrey, Joachim |
| Nov-08 | Cancer Research | | Invivo ₂ 400 | Preferential Cytotoxicity of Bortezomib toward Hypoxic Tumor Cells via Overactivation of Endoplasmic Reticulum Stress Pathways Diane R. Fels, Jiangbin Ye, Andrew T. Segan, Steven J. Kridel, Michael Spiotto, Michael Olson, Albert C. Koong, and Constantinos Koumenis <i>Cancer Res.</i> Nov 2008; 68: 9323 - 9330 | United States (Philadelphia) | Koumenis, Constantinos |
| Nov-08 | Molecular Cancer Therapeutics | | Invivo ₂ 400 | A RNA antagonist of hypoxia-inducible factor-1α, EZN-2968, inhibits tumor cell growth Lee M. Greenberger, Ivan D. Horak, David Filpula, Puja Sapra, Majken Westergaard, Henrik F. Frydenlund, Charlotte Albæk, Henrik Schrøder, and Henrik Ørum <i>Mol. Cancer Ther.</i> Nov 2008; 7: 3598 - 3608 | Denmark (Copenhagen) | Ørum, Henrik |
| Nov-08 | Blood | | Invivo ₂ 400 | Divergent effects of hypoxia on dendritic cell functions Alessandra Mancino, Tiziana Schioppa, Paola Larghi, Fabio Pasqualini, Manuela Nebuloni, I-Hsuan Chen, Silvano Sozzani, Jonathan M. Austyn, Alberto Mantovani and Antonio Sica <i>Blood.</i> Nov 2008; 112: 3723-3734. | Italy (Milan) | Sica, Antonio |
| Nov-08 | Journal of Biological Chemistry | | Invivo ₂ 400 | Hypoxic Reactive Oxygen Species Regulate the Integrated Stress Response and Cell Survival Liping Liu, David R. Wise, J. Alan Diehl, and M. Celeste Simon <i>J. Biol. Chem.</i> , Nov 2008; 283: 31153 - 31162. | United States (Philadelphia) | Simon, M. Celeste |
| Oct-08 | The Journal of Immunology | Concept 400 | | Binding of Complement Inhibitor C4b-Binding Protein Contributes to Serum Resistance of <i>Porphyromonas gingivalis</i> Michal Potempa, Jan Potempa, Marcin Okroj, Katarzyna Popadiak, Sigrun Eick, Ky-Anh Nguyen, Kristian Riesbeck, and Anna M. Blom <i>J. Immunol.</i> , Oct 2008; 181: 5537 - 5544. | Sweden (Lund) | Blom, Anna M. |

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| Oct-08 | Cardiovascular Research | | Invivo ₂ 400 | Diastolic dysfunction in alveolar hypoxia: a role for interleukin-18-mediated increase in protein phosphatase 2A Karl-Otto Larsen, Birgitte Lygren, Ivar Sjaastad, Kurt A. Krobert, Kristin Arnkværn, Geir Florholmen, Ann-Kristin Ruud Larsen, Finn Olav Levy, Kjetil Taskén, Ole Henning Skjøsberg, and Geir Christensen Cardiovasc Res , Oct 2008; 80: 47 - 54. | Norway (Oslo) | Christensen, Geir |
| Oct-08 | Cancer Research | | Invivo ₂ 400 | Noninvasive Molecular Imaging of Hypoxia in Human Xenografts: Comparing Hypoxia-Induced Gene Expression with Endogenous and Exogenous Hypoxia Markers Fuqiu He, Xuelong Deng, Bixiu Wen, Yueping Liu, Xiaorong Sun, Ligang Xing, Akiko Minami, Yunhong Huang, Qing Chen, Pat B. Zanzonico, C. Clifton Ling, and Gloria C. Li Cancer Res. , Oct 2008; 68: 8597 - 8606. | United States (New York) | Li, Gloria C. |
| Oct-08 | Journal of Biological Chemistry | | Invivo ₂ 200 | Metabolic Stress Induces the Lysosomal Degradation of Neuropilin-1 but Not Neuropilin-2 Donggoo Bae, Shaolei Lu, Cherie A. Taglienti, and Arthur M. Mercurio J. Biol. Chem. , Oct 2008; 283: 28074 - 28080. | United States (Worcester, MA) | Mercurio, Arthur M. |
| Oct-08 | Proceedings of the National Academy of Sciences | | Invivo ₂ 400 | The ubiquitin ligase Siah2 regulates tumorigenesis and metastasis by HIF-dependent and -independent pathways Jianfei Qi, Koh Nakayama, Supriya Gaitonde, James S. Goydos, Stan Krajewski, Alexey Eroshkin, Dafna Bar-Sagi, David Bowtell, and Ze'ev Ronai PNAS , Oct 2008; 105: 16713 - 16718. | United States (La Jolla) | Ronai, Ze'ev |
| Sep-08 | Applied and Environmental Microbiology | (Anaerobic Workstation) | | Bond Strengthening in Oral Bacterial Adhesion to Salivary Conditioning Films Henny C. van der Mei, Minie Rustema-Abbing, Joop de Vries, and Henk J. Busscher Appl. Envir. Microbiol. , Sep 2008; 74: 5511 - 5515. | The Netherlands (Groningen) | Busscher, Henk J. |

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| Sep-08 | Journal of the National Cancer Institute | | Invivo ₂ 400 | Induction of Apoptosis in Human Cancer Cells by Candidaspongolide, a Novel Sponge Polyketide Daniela Trisciuglio, Badarch Uranchimeg, John H. Cardellina, Tamara L. Meragelman, Shigeki Matsunaga, Nobuhiru Fusetani, Donatella Del Bufalo, Robert H. Shoemaker, and Giovanni Melillo J Natl Cancer Inst. Sep 2008; 100: 1233 - 1246 | United States (Frederick, MD) | Melillo, Giovanni |
| Sep-08 | American Journal of Physiology - Regulatory, Integrative and Comparative Physiology | | Invivo ₂ 400 | Astrocyte responses to injury: VEGF simultaneously modulates cell death and proliferation Nicole Schmid-Brunclik, Carole Bürgi-Taboada, Xanthi Antoniou, Max Gassmann, and Omolara O. Ogunshola Am J Physiol Regulatory Integrative Comp Physiol , Sep 2008; 295: R864 - R873. | Switzerland (Zurich) | Ogunshola, Omolara O. |
| Sep-08 | Journal of Endocrinology | | Invivo ₂ | Phosphatidylinositol-3-kinase/Akt/glycogen synthase kinase-3β and ERK1/2 pathways mediate protective effects of acylated and unacylated ghrelin against oxygen-glucose deprivation-induced apoptosis in primary rat cortical neuronal cells Hyunju Chung, Sanghee Seo, Minhoo Moon, and Seungjoon Park J Endocrinol. Sep 2008; 198: 511 - 521 | South Korea (Seoul) | Park, Seungjoon |
| Aug-08 | Stem Cells | | Invivo ₂ 400 | Hypoxia Causes Downregulation of Mismatch Repair System and Genomic Instability in Stem Cells Francisco Javier Rodríguez-Jiménez, Victoria Moreno-Manzano, Rut Lucas-Dominguez, and José-María Sánchez-Puelles Stem Cells. Aug 2008; 26: 2052 - 2062. | Spain (Valencia) | Sánchez-Puelles, José-María |
| Jul-08 | American Journal of Physiology - Cell Physiology | Concept 400 | | Hypoxia enhances lysosomal TNF-α degradation in mouse peritoneal macrophages Nitza Lahat, Michal A. Rahat, Amalia Kinarty, Lea Weiss-Cerem, Sigalit Pinchevski, and Haim Bitterman Am J Physiol Cell Physiol. Jul 2008; 295: C2 - C12. | Israel (Haifa) | Bitterman, Haim |

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| Jul-08 | Molecular Pharmacology | | In vivo ₂ | (2R)-[(4-Biphenylsulfonyl)amino]-N-hydroxy-3-phenylpropionamide (BiPS), a Matrix Metalloprotease Inhibitor, Is a Novel and Potent Activator of Hypoxia-Inducible Factors Marie-Claude Lauzier, Geneviève A. Robitaille, Denise A. Chan, Amato J. Giaccia, and Darren E. Richard <i>Mol. Pharmacol.</i> Jul 2008; 74: 282 - 288 | Canada (Montréal) | Richard, Darren E. |
| Jun-08 | Journal of Biological Chemistry | | In vivo ₂ 400 | Hypoxia-mediated Selective mRNA Translation by an Internal Ribosome Entry Site-independent Mechanism Regina M. Young, Shang-Jui Wang, John D. Gordan, Xinjun Ji, Stephen A. Liebhaber, and M. Celeste Simon <i>J. Biol. Chem.</i> Jun 2008; 283: 16309 - 16319. | United States (Philadelphia) | Simon, M. Celeste |
| May-08 | Molecular Biology of the Cell | | In vivo ₂ | Prolyl Hydroxylase PHD3 Activates Oxygen-dependent Protein Aggregation Krista Rantanen, Juha Pursiheimo, Heidi Högel, Virpi Himanen, Eric Metzen, and Panu M. Jaakkola <i>Mol. Biol. Cell.</i> May 2008; 19: 2231 - 2240. | Finland (Turku) | Jaakkola, Panu M. |
| May-08 | Stem Cells | | In vivo ₂ | Metabolic Flexibility Permits Mesenchymal Stem Cell Survival in an Ischemic Environment Louise A. Mylotte, Angela M. Duffy, Mary Murphy, Timothy O'Brien, Afshin Samali, Frank Barry, and Eva Szegezdi <i>Stem Cells.</i> May 2008; 26: 1325 - 1336. | Ireland (Galway) | Szegezdi, Eva |
| Apr-08 | Molecular Cancer Therapeutics | | In vivo ₂ 400 | Nutlin-3 radiosensitizes hypoxic prostate cancer cells independent of p53 Stéphane Supiot, Richard P. Hill, and Robert G. Bristow <i>Mol. Cancer Ther.</i> Apr 2008; 7: 993 - 999. | Canada (Toronto) | Bristow, Robert G. |
| Apr-08 | AACR Meeting Abstracts | | In vivo ₂ | Re-oxygenation results in superior cell killing by an interleukin 13-cytotoxin than that of hypoxic glioblastoma multiforme cells Tiefu Liu, Jiaozhong Cai, Denise Gibo, and Waldemar Debinski <i>AACR Meeting Abstracts.</i> Apr 2008; 2008: 1522. | United States (Winston-Salem) | Debinski, Waldemar |

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| Apr-08 | Circulation | | Invivo ₂ 400 | Absence of Cyclooxygenase-2 Exacerbates Hypoxia-Induced Pulmonary Hypertension and Enhances Contractility of Vascular Smooth Muscle Cells Laura E. Fredenburgh, Olin D. Liang, Alvaro A. Macias, Thomas R. Polte, Xiaoli Liu, Dario F. Riascos, Su Wol Chung, Scott L. Schissel, Donald E. Ingber, S. Alex Mitsialis, Stella Kourembanas, and Mark A. Perrella <i>Circulation</i> , Apr 2008; 117: 2114 - 2122 | United States (Boston) | Perrella, Mark A. |
| Apr-08 | International Journal of Systematic and Evolutionary Microbiology | Concept 400 | | <i>Lutispora thermophila</i> gen. nov., sp. nov., a thermophilic, spore-forming bacterium isolated from a thermophilic methanogenic bioreactor digesting municipal solid wastes Hatsumi Shiratori, Hitomi Ohiwa, Hironori Ikeno, Shohei Ayame, Naoaki Kataoka, Akiko Miya, Teruhiko Beppu, and Kenji Ueda <i>Int J Syst Evol Microbiol</i> , Apr 2008; 58: 964 - 969. | Japan (Fujisawa) | Ueda, Kenji |
| Apr-08 | Circulation Research | | Invivo ₂ 400 | Oxygen Deprivation Triggers Upregulation of Early Growth Response-1 by the Receptor for Advanced Glycation End Products Jong Sun Chang, Thoralf Wendt, Wu Qu, Linghua Kong, Yu Shan Zou, Ann Marie Schmidt, and Shi-Fang Yan <i>Circ Res</i> , Apr 2008; 102: 905 - 913 | United States (New York) | Yan, Shi-Fang |
| Mar-08 | Molecular Cancer Research | | Invivo ₂ | Metallothionein Induction by Hypoxia Involves Cooperative Interactions between Metal-Responsive Transcription Factor-1 and Hypoxia-Inducible Transcription Factor-1α Brian J. Murphy, Tomoki Kimura, Barbara G. Sato, Yihui Shi, and Glen K. Andrews <i>Mol. Cancer Res.</i> , Mar 2008; 6: 483 - 490. | United States (Menlo Park) | Andrews, Glen K. |
| Mar-08 | Proceedings of the National Academy of Sciences | BugBox | | PHDs overactivation during chronic hypoxia "desensitizes" HIFα and protects cells from necrosis Amandine Ginouvès, Karine Ilc, Nuria Macías, Jacques Pouyssegur, and Edurne Berra <i>PNAS</i> , Mar 2008; 105: 4745 - 4750. | France (Nice) | Berra, Edurne |

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| Mar-08 | Molecular Biology of the Cell | | Invivo ₂ | Prolyl Hydroxylase PHD3 Activates Oxygen-dependent Protein Aggregation Krista Rantanen, Juha Pursiheimo, Heidi Högel, Virpi Himanen, Eric Metzen, and Panu M. Jaakkola <i>Mol. Biol. Cell.</i> Mar 2008: 10.1091/mbc.F07-11-1124. | Finland (Turku) | Jaakkola, Panu M. |
| Mar-08 | Clinical Cancer Research | | Invivo ₂ | hsa-miR-210 Is Induced by Hypoxia and Is an Independent Prognostic Factor in Breast Cancer Carme Camps, Francesca M. Buffa, Stefano Colella, John Moore, Christos Sotiriou, Helen Sheldon, Adrian L. Harris, Jonathan M. Gleadle, and Jiannis Ragoussis <i>Clin. Cancer Res.</i> Mar 2008: 14: 1340 - 1348. | United Kingdom (Oxford) | Ragoussis, Jiannis |
| Mar-08 | Circulation Research | | Invivo ₂ 400 | Oxygen Deprivation Triggers Upregulation of Early Growth Response-1 by the Receptor for Advanced Glycation End Products Jong Sun Chang, Thoralf Wendt, Wu Qu, Linghua Kong, Yu Shan Zou, Ann Marie Schmidt, and Shi-Fang Yan <i>Circ. Res.</i> Mar 2008: 10.1161/CIRCRESAHA.107.165308. | United States (New York) | Yan, Shi-Fang |
| Feb-08 | Proceedings of the National Academy of Sciences | BugBox | Invivo ₂ | PTEN regulates p300-dependent hypoxia-inducible factor 1 transcriptional activity through Forkhead transcription factor 3a (FOXO3a) Brooke M. Emerling, Frank Weinberg, Juinn-Lin Liu, Tak W. Mak, and Navdeep S. Chandel <i>PNAS.</i> Feb 2008: 105: 2622 - 2627. | United States (Chicago) | Chandel, Navdeep S. |
| Feb-08 | Stem Cells | | Invivo ₂ | Metabolic Flexibility Permits MSC Survival in an Ischemic Environment Louise A. Mylotte, Angela M. Duffy, Mary Murphy, Timothy O'Brien, Afshin Samali, Frank Barry, and Eva Szegezdi <i>Stem Cells.</i> Feb 2008: 10.1634/stemcells.2007-1072. | Ireland (Galway) | Szegezdi, Eva |
| Feb-08 | Molecular Cancer Research | BugBox | | Transcriptome of Hypoxic Immature Dendritic Cells: Modulation of Chemokine/Receptor Expression Annamaria Ricciardi, Angela Rita Elia, Paola Cappello, Maura Puppo, Cristina Vanni, Paolo Fardin, Alessandra Eva, David Munroe, Xiaolin Wu, Mirella Giovarelli, and Luigi Varesio <i>Mol. Cancer Res.</i> Feb 2008: 6: 175 - 185. | Italy (Genoa) | Varesio, Luigi |

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| Jan-08 | The New England Journal of Medicine | | Invivo ₂ 200 | A Gain-of-Function Mutation in the <i>HIF2A</i> Gene in Familial Erythrocytosis Melanie J. Percy, Paul W. Furlow, Guy S. Lucas, Xiping Li, Terence R.J. Lappin, Mary Frances McMullin, and Frank S. Lee <i>N. Engl. J. Med.</i> , Jan 2008; 358: 162 - 168. | United States (Philadelphia) | Lee, Frank S. |
| Jan-08 | Cancer Research | | Invivo ₂ 400 | Differential Involvement of Vascular Endothelial Growth Factor in the Survival of Hypoxic Colon Cancer Cells Maura Calvani, Daniela Trisciuglio, Cristina Bergamaschi, Robert H. Shoemaker, and Giovanni Melillo <i>Cancer Res.</i> , Jan 2008; 68: 285 - 291. | United States (Frederick, MD) | Melillo, Giovanni |
| Jan-08 | Molecular Cancer Therapeutics | | Invivo ₂ 400 | Molecular mechanisms for the activity of PX-478, an antitumor inhibitor of the hypoxia-inducible factor-1α Mei Y. Koh, Taly Spivak-Kroizman, Sara Venturini, Sarah Welsh, Ryan R. Williams, D. Lynn Kirkpatrick, and Garth Powis <i>Mol. Cancer Ther.</i> , Jan 2008; 7: 90 - 100. | United States (Houston) | Powis, Garth |
| Jan-08 | Molecular Biology of the Cell | | Invivo ₂ | Hypoxia-inducible Factor-1α Stabilization in Nonhypoxic Conditions: Role of Oxidation and Intracellular Ascorbate Depletion Elisabeth L. Pagé, Denise A. Chan, Amato J. Giaccia, Mark Levine, and Darren E. Richard <i>Mol. Biol. Cell.</i> , Jan 2008; 19: 86 - 94. | Canada (Montréal) | Richard, Darren E. |
| Dec-07 | Molecular Biology of the Cell | | Invivo ₂ 400 | Hypoxia Up-Regulates Hypoxia-Inducible Factor-1α Transcription by Involving Phosphatidylinositol 3-Kinase and Nuclear Factor κB in Pulmonary Artery Smooth Muscle Cells Rachida S. BelAiba, Steve Bonello, Christian Zähringer, Stefanie Schmidt, John Hess, Thomas Kietzmann, and Agnes Görlach <i>Mol. Biol. Cell.</i> , Dec 2007; 18: 4691 - 4697. | Germany (Munich) | Görlach, Agnes |
| Dec-07 | FASEB Journal | | Invivo ₂ | Hypoxia-mediated Na-K-ATPase degradation requires von Hippel Lindau protein Guofei Zhou, Laura A. Dada, Navdeep S. Chandel, Kazuhiro Iwai, Emilia Lecuona, Aaron Ciechanover, and Jacob I. Sznajder <i>FASEB J.</i> , Dec 2007; 10.1096/fj.07-8369com. | United States (Chicago) | Sznajder, Jacob I. |

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| Nov-07 | Abstracts for the Twelfth Annual Meeting of the Society for Neuro-Oncology | | Invivo ₂ 400 | ET-46. RE-OXYGENATION OF HYPOXIC GLIOBLASTOMA MULTIFORME CELLS POTENTIATES KILLING EFFECT OF INTERLEUKIN 13-BASED CYTOTOXINS THROUGH RE-ESTABLISHMENT AND FURTHER UP-REGULATION OF IL13 RECEPTOR ALPHA2 Tiefu Liu, Jaiozhong Cai, Denise Gibo, and Waldemar Debinski Abstracts for the Twelfth Annual Meeting of the Society for Neuro-Oncology , November 15 - 18, 2007 | United States (Winston-Salem) | Debinski, Waldemar |
| Nov-07 | American Journal of Pathology | | Invivo ₂ 400 | The Tumor Gene Survivin Is Highly Expressed in Adult Renal Tubular Cells: Implications for a Pathophysiological Role in the Kidney Philipp Lechler, Xiaoqing Wu, Wanja Bernhardt, Valentina Campean, Susanne Gastiger, Thomas Hackenbeck, Bernd Klanke, Alexander Weidemann, Christina Warnecke, Kerstin Amann, Dirk Engehausen, Carsten Willam, Kai-Uwe Eckardt, Franz Rödel, and Michael Sean Wiesener Am J Pathol , Nov 2007; 171: 1483 - 1498 | Germany (Erlangen) | Wiesener, Michael Sean |
| Oct-07 | American Journal of Physiology - Regulatory, Integrative and Comparative Physiology | | Invivo ₂ 400 | The HIF-1 response to simulated ischemia in mouse skeletal muscle cells neither enhances glycolysis nor prevents myotube cell death Nathalie Dehne, Uta Kerkweg, Teresa Otto, and Joachim Fandrey Am J Physiol Regulatory Integrative Comp Physiol , Oct 2007; 293: R1693 - R1701. | Germany (Essen) | Fandrey, Joachim |
| Oct-07 | American Journal of Physiology - Renal Physiology | | Invivo ₂ | Hypoxia and podocyte-specific <i>Vhlh</i> deletion confer risk of glomerular disease Kirsten Brukamp, Belinda Jim, Marcus J. Moeller, and Volker H. Haase Am J Physiol Renal Physiol , Oct 2007; 293: F1397 - F1407. | United States (Philadelphia) | Haase, Volker H. |
| Oct-07 | International Journal of Systematic and Evolutionary Microbiology | Concept 1000 | | <i>Prevotella nanceiensis</i> sp. nov., isolated from human clinical samples C. Alauzet, F. Mory, J.-P. Carlier, H. Marchandin, E. Jumas-Bilak, and A. Lozniewski Int J Syst Evol Microbiol , Oct 2007; 57: 2216 - 2220. | France (Nancy) | Lozniewski, A. |

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| Oct-07 | Journal of Biological Chemistry | | Invivo ₂ 400 | An Endoplasmic Reticulum Transmembrane Prolyl 4-Hydroxylase Is Induced by Hypoxia and Acts on Hypoxia-inducible Factor α Peppi Koivunen, Päivi Tiainen, Jaana Hyvärinen, Kim E. Williams, Raija Sormunen, Stephen J. Klaus, Kari I. Kivirikko, and Johanna Myllyharju <i>J. Biol. Chem.</i> Oct 2007; 282: 30544 - 30552 | Finland (Oulu) | Myllyharju, Johanna |
| Oct-07 | FASEB Journal | | Invivo ₂ 400 | Human hair follicles are an extrarenal source and a nonhematopoietic target of erythropoietin Eniko Bodó, Arno Kromminga, Wolfgang Funk, Magdalena Laugsch, Ute Duske, Wolfgang Jelkmann, and Ralf Paus <i>FASEB J.</i> Oct 2007; 21: 3346 - 3354 | Germany (Lübeck) | Paus, Ralf |
| Aug-07 | Molecular and Cellular Biology | | Invivo ₂ | Mitochondrial Reactive Oxygen Species Trigger Hypoxia-Inducible Factor-Dependent Extension of the Replicative Life Span during Hypoxia Eric L. Bell, Tatyana A. Klimova, James Eisenbart, Paul T. Schumacker, and Navdeep S. Chandel <i>Mol. Cell Biol.</i> Aug 2007; 27: 5737 - 5745 | United States (Chicago) | Chandel, Navdeep S. |
| Aug-07 | Endocrinology | | Invivo ₂ | Differential Regulation of Hypoxia-Inducible Factor-1 through Receptor Tyrosine Kinase Transactivation in Vascular Smooth Muscle Cells Marie-Claude Lauzier, Elisabeth L. Pagé, Maude D. Michaud, and Darren E. Richard <i>Endocrinology</i> Aug 2007; 148: 4023 - 4031 | Canada (Montréal) | Richard, Darren E. |
| Aug-07 | American Journal of Physiology - Cell Physiology | | Invivo ₂ 300 | Normoxic stabilization of HIF-1α drives glycolytic metabolism and regulates aggrecan gene expression in nucleus pulposus cells of the rat intervertebral disk Amit Agrawal, Asha Guttapalli, Srinivas Narayan, Todd J. Albert, Irving M. Shapiro, and Makarand V. Risbud <i>Am J Physiol Cell Physiol.</i> Aug 2007; 293: C621 - C631 | United States (Philadelphia) | Risbud, Markarand V. |
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