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Anne H. Dantzig, Robert L. Shepard, Susan E. Pratt, Linda B. Tabas, Peter A. Lander, Liandong Ma, Donald C. Paul, Daniel C. Williams, Sheng-Bin Peng, Christopher A. Slapak, Nathalie Godinot and William L. Perry III

- 1123** Effect of celecoxib on Ca^{2+} movement and cell proliferation in human osteoblasts

Jue-L. Wang, Ko-L. Lin, Jin-S. Chen, Yih-C. Lu, Bang-P. Jiann, Hong-T. Chang, Shu-S. Hsu, Wei-C. Chen, Jong-K. Huang, Chin-M. Ho and Chung-R. Jan

CHEMOTHERAPY AND METABOLIC INHIBITORS

- 1131** The combi-targeting concept: intracellular fragmentation of the binary epidermal growth factor (EGFR)/DNA targeting "combi-triazene" SMA41

Stephanie L. Matheson, Fouad Brahimi and Bertrand J. Jean-Claude

- 1139** Organic copper complexes as a new class of proteasome inhibitors and apoptosis inducers in human cancer cells

Kenyon G. Daniel, Puja Gupta, R. Hope Harbach, Wayne C. Guida and Q. Ping Dou

NEUROSCIENCE

- 1153** Protective effects of a selective L-type voltage-sensitive calcium channel blocker, S-312-d, on neuronal cell death

Tatsurou Yagami, Keiichi Ueda, Toshiyuki Sakaeda, Naohiro Itoh, Gaku Sakaguchi, Noboru Okamura, Yozo Hori and Masafumi Fujimoto

- 1167** Effects of enhancing mitochondrial oxidative phosphorylation with reducing equivalents and ubiquinone on 1-methyl-4-phenylpyridinium toxicity and complex I-IV damage in neuroblastoma cells

Elizabeth A. Mazzio and Karam F.A. Soliman

INFLAMMATION AND IMMUNOPHARMACOLOGY

- 1185** Effects of intracellular reactive oxygen species generated by 6-formylpterin on T cell functions

Toshiyuki Arai, Hiroko Yamada, Tsunehisa Namba, Hiroko Mori, Hisanari Ishii, Kouhei Yamashita, Masataka Sasada, Keisuke Makino and Kazuhiko Fukuda

- 1195** Mediation of annexin 1 secretion by a probenecid-sensitive ABC-transporter in rat inflamed mucosa

Sharon Wein, Myriam Fauroux, Joëlle Laffitte, Patricia de Nadai, Claire Guaini, François Pons and Christine Coméra

CARDIOVASCULAR AND PULMONARY PHARMACOLOGY

- 1203** Relaxant effect of oxime derivatives in isolated rat aorta: role of nitric oxide (NO) formation in smooth muscle

Karel Chalupsky, Irina Lobysheva, Françoise Nepveu, Irina Gadea, Petra Beranova, Gustav Entlicher, Jean-Claude Stoclet and Bernard Muller

GASTROINTESTINAL AND RENAL PHARMACOLOGY

- 1215** Pancreatic stellate cell migration: role of the phosphatidylinositol 3-kinase (PI3-kinase) pathway

Joshua A. McCarroll, Phoebe A. Phillips, Rakesh K. Kumar, Sandra Park, Romano C. Pirola, Jeremy S. Wilson and Minoti V. Apte

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MOLECULAR AND CELLULAR PHARMACOLOGY

- 1227** Regulation of glutathione S-transferase P1-1 gene expression by NF-kappaB in tumor necrosis factor alpha-treated K562 leukemia cells

Franck Morceau, Annelise Duvoix, Sylvie Delhalle, Michaël Schnekenburger, Mario Dicato and Marc Diederich

- 1239** Inhibition of osteoclast differentiation and bone resorption by a novel lysophosphatidylcholine derivative, SCOH

Han Bok Kwak, Soo Woong Lee, Yin-Ji Li, Young-Ah Kim, So-Yeop Han, Gil-Ja Jhon, Hong-Hee Kim and Zang Hee Lee

- 1249** Differentiation of human hepatoma cells during confluence as revealed by gene expression profiling
Angelica Butura, Inger Johansson, Kerstin Nilsson, Lars Wärngård, Magnus Ingelman-Sundberg and Ina Schuppe-Koistinen
- 1259** The biphasic effects of cyclopentenone prostaglandins, prostaglandin J₂ and 15-deoxy- $\Delta^{12,14}$ -prostaglandin J₂ on proliferation and apoptosis in rat basophilic leukemia (RBL-2H3) cells
Maiko Emi and Kazutaka Maeyama
- 1269** Uridine diphosphate sugar-selective conjugation of an aldose reductase inhibitor (AS-3201) by UDP-glucuronosyltransferase 2B subfamily in human liver microsomes
Kenji Toide, Yoshiaki Terauchi, Toshihiko Fujii, Hiroshi Yamazaki and Tetsuya Kamataki
- 1279** Discovery of novel peptide/receptor interactions: identification of PHM-27 as a potent agonist of the human calcitonin receptor
Jian-Nong Ma, Erika A. Currier, Anthony Essex, Michele Feddock, Tracy A. Spalding, Norman R. Nash, Mark R. Brann and Ethan S. Burstein
- 1285** Interference of the polyphenol epicatechin with the biological chemistry of nitric oxide- and peroxynitrite-mediated reactions
Rüdiger Wippel, Margit Rehn, Antonius C.F. Gorren, Kurt Schmidt and Bernd Mayer
- 1297** Inhibitory effect of β -cryptoxanthin on osteoclast-like cell formation in mouse marrow cultures
Satoshi Uchiyama and Masayoshi Yamaguchi
- 1307** Stimulatory effect of naturally occurring flavonols quercetin and kaempferol on alkaline phosphatase activity in MG-63 human osteoblasts through ERK and estrogen receptor pathway
Christophe Prouillet, Jean-Claude Mazière, Cécile Mazière, Alice Wattel, Michel Brazier and Saïd Kamel
- 1315** Differential regulation of IL-4 expression and degranulation by anti-allergic olopatadine in rat basophilic leukemia (RBL-2H3) cells
Masahiro Matsubara, Shigehiro Masaki, Kenji Ohmori, Akira Karasawa and Kazuhide Hasegawa
- 1327** Novel Gemini analogs of $1\alpha,25$ -dihydroxyvitamin D₃ with enhanced transcriptional activity
Franci A. Weyts, Puneet Dhawan, Xiaoyu Zhang, June E. Bishop, Milan R. Uskokovic, Yan Ji, George P. Studzinski, Anthony W. Norman and Sylvia Christakos
- 1337** Andrographolide suppresses endothelial cell apoptosis via activation of phosphatidylinositol-3-kinase/Akt pathway
Jiun-Han Chen, George Hsiao, An-Rong Lee, Chin-Chen Wu and Mao-Hsiung Yen
- 1347** Synergistic interaction of a chloroquine metabolite with chloroquine against drug-resistant malaria parasites
Martha Kalkanidis, Nectarios Klonis, Serena Tschan, Leslie W. Deady and Leann Tilley
- 1355** Histidine residues in human phenol sulfotransferases
Guangping Chen
- 1363** Functional characterization of aryl hydrocarbon receptor (zAHR2) localization and degradation in zebrafish (*Danio rerio*)
Jeannette N. Wentworth, Robert Buzzeo and Richard S. Pollenz
- 1373** Mechanism of cell cycle arrest by sulfoquinovosyl monoacylglycerol with a C18-saturated fatty acid (C18-SQMG)
Chikako Murakami, Takeshi Miuzono, Fumio Hanaoka, Hiromi Yoshida, Kengo Sakaguchi and Yoshiyuki Mizushima
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- CHEMOTHERAPY AND METABOLIC INHIBITORS
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- 1381** Monoglyceride lipase-like enzymatic activity is responsible for hydrolysis of 2-arachidonoylglycerol in rat cerebellar membranes
Susanna M. Saario, Juha R. Savinainen, Jarmo T. Laitinen, Tomi Järvinen and Riku Niemi
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- INFLAMMATION AND IMMUNOPHARMACOLOGY
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- 1389** Hepatic expression of multiple acute phase proteins and down-regulation of nuclear receptors after acute endotoxin exposure
Che Fang, Seokjoo Yoon, Niclas Tindberg, Harri A. Järveläinen, Kai O. Lindros and Magnus Ingelman-Sundberg
- 1399** Resveratrol, a polyphenol found in grapes, suppresses oxidative damage and stimulates apoptosis during early colonic inflammation in rats
Antonio Ramón Martín, Isabel Villegas, Carmen La Casa and Catalina Alarcón de la Lastra
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- CARDIOVASCULAR AND PULMONARY PHARMACOLOGY
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- 1411** Inhibitory mechanisms of YC-1 and PMC in the induction of iNOS expression by lipoteichoic acid in RAW 264.7 macrophages
George Hsiao, Hsin-Yi Huang, Tsorng-Harn Fong, Ming-Yi Shen, Chien-Huang Lin, Chen-Ming Teng and Joen-Rong Sheu

GASTROINTESTINAL AND RENAL PHARMACOLOGY

- 1421** Acivicin-induced alterations in renal and hepatic glutathione concentrations and in γ -glutamyltransferase activities
Hoffman B.M., Lantum, Ramaswamy A. Iyer and M.W. Anders

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MOLECULAR AND CELLULAR PHARMACOLOGY

- 1427** Down-regulation of cytochrome P450 proteins and its activities by Shiga-like toxin II from *Escherichia coli* O157:H7
Kiyoyuki Kitaichi, Hironao Nakayama, Jun Ueyama, Masayuki Nadai, Kenji Baba, Kenji Takagi, Kenzo Takagi, Michio Ohta and Takaaki Hasegawa
- 1437** Fluorescence microscopy studies with a fluorescent glibenclamide derivative, a high-affinity blocker of pancreatic β -cell ATP-sensitive K^+ currents
Bernd J. Zümler, Maria Wos-Maganga and Uwe Panten
- 1445** Arachidonic and eicosapentaenoic acid metabolism by human CYP1A1: highly stereoselective formation of 17(R),18(S)-epoxyeicosatetraenoic acid
Dieter Schwarz, Pyotr Kisselev, Spencer S. Ericksen, Grazyna D. Szklarz, Alexey Chernogolov, Horst Honeck, Wolf-Hagen Schunck and Ivar Roots
- 1459** Cisplatin-induced apoptosis in Hep3B cells: mitochondria-dependent and -independent pathways
Ji Su Kim, Jae Myun Lee, Yong-Joon Chwae, Yeon Hyang Kim, Jung Hwan Lee, Kunhong Kim, Tae Ho Lee, Se Jong Kim and Jeon Han Park
- 1469** Cyclooxygenase-2 (COX-2)-dependent and -independent anticarcinogenic effects of celecoxib in human colon carcinoma cells
Thorsten Jürgen Maier, Karin Schilling, Ronald Schmidt, Gerd Geisslinger and Sabine Grösch
- 1479** Iron mobilization, cytoprotection, and inhibition of cell proliferation in normal and transformed rat hepatocyte cultures by the hydroxypyridinone CP411, compared to CP20: a biological and physicochemical study
François Gaboriau, Karine Chantrel-Groussard, Nafissa Rakba, Pascal Loyer, Nicole Padeloup, Robert C. Hider, Pierre Brissot and Gérard Lescoat
- 1489** Reactive blue 2 inhibition of cyclic AMP-dependent differentiation of rat C6 glioma cells by purinergic receptor-independent inactivation of phosphatidylinositol 3-kinase
Patrik Claes, Kristof Van Kolen, Dirk Roymans, Daniel Blero, Kris Vissenberg, Christophe Erneux, Jean-Pierre Verbelen, Eddy L. Esmans and Herman Slegers

- 1499** Nuclear factor Y regulation and promoter transactivation of human ribonucleotide reductase subunit M2 gene in a Gemcitabine resistant KB clone
Xiyong Liu, Bingsen Zhou, Lijun Xue, Weihua Qiu, Jennifer Shih, Shu Zheng and Yun Yen
- 1513** Calpain as a multi-site regulator of cell cycle
Judit Jánossy, Paolo Ubezio, Ágota Apáti, Mária Magócsi, Peter Tompa and Peter Friedrich
- 1523** Reduction of androgen receptor expression by benzo[a]pyrene and 7,8-dihydro-9,10-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene in human lung cells
Pinpin Lin, Jinghua Tsai Chang, Jium-Liang Ko, Sheng-Hung Liao and Wai-Sze Lo
- 1531** Suppression of receptor-mediated Ca^{2+} mobilization and functional leukocyte responses by hyperforin
Christian Feißt and Oliver Werz
- 1541** Folate concentration dependent transport activity of the Multidrug Resistance Protein 1 (ABCC1)
Jan Hendrik Hooijberg, Gerrit Jansen, Yehuda G. Assaraf, Ietje Kathmann, Rob Pieters, Adrie C. Laan, Anjo J.P. Veerman, Gertjan J.L. Kaspers and Godefridus J. Peters
- 1549** Inhibition of lipopolysaccharide-induced expression of inducible nitric oxide synthase and tumor necrosis factor- α by 2'-hydroxychalcone derivatives in RAW 264.7 cells
Hyun Seung Ban, Katsuya Suzuki, Soon Sung Lim, Sang Hoon Jung, Sanghyun Lee, Jun Ji, Hye Seung Lee, Yeon Sil Lee, Kuk Hyun Shin and Kazuo Ohuchi
- 1559** Control of platelet activation by cyclic AMP turnover and cyclic nucleotide phosphodiesterase type-3
Marion A.H. Feijge, Karin Ansink, Kristof Vanschoonbeek and Johan W.M. Heemskerk
- 1569** CysLT₁ signal transduction in differentiated U937 cells involves the activation of the small GTP-binding protein Ras
Valérie Capra, Saula Ravasi, Maria Rosa Accomazzo, Marco Parenti and G. Enrico Rovati
- 1579** Native human nitric oxide sensitive guanylyl cyclase: purification and characterization
Markus Koglin and Sönke Behrends
- 1587** Analysis of cell-cycle kinetics and sulfur amino acid metabolism in methionine-dependent tumor cell lines; the effect of homocysteine supplementation
Valérie Pavillard, Abednaser A.A. Drbal, David J. Swaine, Roger M. Phillips, John A. Double and Anna Nicolaou

- 1601** Effect of saponin and filipin on antagonist binding to AT₁ receptors in intact cells

*Ilse Verheijen, Dieter Tourlousse,
Patrick M.L. Vanderheyden, Jean-Paul De Backer
and Georges Vauquelin*

CHEMOTHERAPY AND METABOLIC INHIBITORS

- 1607** Structural requirements for the flavonoid-mediated modulation of glutathione S-transferase P1-1 and GS-X pump activity in MCF7 breast cancer cells

*Jelmer J. van Zanden, Liesbeth Geraets, Heleen M. Wortelboer, Peter J. van Bladeren, Ivonne M.C.M. Rietjens
and Nicole H.P. Cnubben*

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- 1619** Effects of phosphodiesterase inhibition on cortical spreading depression and associated changes in extracellular cyclic GMP

*Minyan Wang, Jutta Urenjak, Ernesto Fedele and
Tihomir P. Obrenovitch*

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MOLECULAR AND CELLULAR PHARMACOLOGY

- 1629** Polyamine modulation of iron uptake in CHO cells

*François Gaboriau, Anne Kreder, Nicolas Clavreul,
Jacques-Philippe Moulinoux, Jean-Guy Delcros and
G rard Lescoat*

- 1639** Drastic effect of cell density on the cytotoxicity of daunorubicin and cytosine arabinoside

Mich le Masquelier and Sigurd Vitols

- 1647** Inhibition of osteoclast differentiation and bone resorption by tanshinone IIA isolated from *Salvia miltiorrhiza* Bunge

*Hong-Hee Kim, Jung Ha Kim, Han Bok Kwak,
Hao Huang, Song-Hee Han, Hyunil Ha,
Soo Woong Lee, Eun-Ran Woo and Zang Hee Lee*

- 1657** Investigation of the mechanism of agonist and inverse agonist action at D₂ dopamine receptors

David J Roberts, Hong Lin and Philip G Strange

- 1667** Inhibition of 3T3-L1 adipocyte differentiation by 6-ethoxyzolamide: repressed peroxisome proliferator-activated receptor γ mRNA and enhanced CCAAT/enhancer binding protein β mRNA levels

*Takenori Takahata, Takayuki Kumano,
Keizou Ookawa, Makoto Hayakari, Ikuko Kakizaki and
Shigeki Tsuchida*

- 1677** Role of zinc and iron chelation in apoptosis mediated by tachpyridine, an anti-cancer iron chelator

*Rong Zhao, Roy P. Planalp, Rong Ma,
Bryan T. Greene, Bradley T. Jones,
Martin W. Brechbiel, Frank M. Torti and
Suzy V. Torti*

- 1677** Combination treatment of glioblastoma multiforme cell lines with the anti-malarial artesunate and the epidermal growth factor receptor tyrosine kinase inhibitor OSI-774

*Thomas Efferth, Tzutzy Ramirez, Erich Gebhart and
Marc-Eric Halatsch*

- 1701** Enhancement of peripheral benzodiazepine receptor ligand-induced apoptosis and cell cycle arrest of esophageal cancer cells by simultaneous inhibition of MAPK/ERK kinase

*Andreas P. Sutter, Kerstin Maaser, Bastian Gerst,
Antje Krahn, Martin Zeitz and Hans Scher bl*

- 1711** Inhibition of carcinogen-bioactivating cytochrome P450 1 isoforms by amiloride derivatives

*Lydie Sparfel, Laurence Huc, Marc Le Vee,
Mireille Desille, Dominique Lagadic-Gossmann and
Olivier Fardel*

- 1721** Reductive activation of ricin and ricin A-chain immunotoxins by protein disulfide isomerase and thioredoxin reductase

*Giuseppe Bellisola, Giulio Fracasso, Rodolfo Ippoliti,
Gianfranco Menestrina, Anders Ros n, Silvia Sold ,
Silvia Udali, Rossella Tomazzolli, Giuseppe Tridente and
Marco Colombatti*

- 1733** β -Cell toxicity of ATP-sensitive K⁺ channel-blocking insulin secretagogues

*Ingo Rustenbeck, Andrea Krautheim, Anne J rns and
Hans J rgen Steinfelder*

- 1743** A novel mechanism for pergolide-induced neuroprotection: inhibition of NF- κ B nuclear translocation

*D. Uberti, T. Carsana, S. Francisconi,
G. Ferrari Toninelli, P.L. Canonico and M. Memo*

- 1751** The use of a new in vitro reaction substrate reproducing both U3 and U5 regions of the HIV-1 3'-ends increases the correlation between the in vitro and in vivo effects of the HIV-1 integrase inhibitors

*Enzo Tramontano, Loredana Onidi, Francesca Esposito,
Roberta Badas and Paolo La Colla*

- 1763** Diisothiocyanate derivatives as potent, insurmountable antagonists of P2Y₆ nucleotide receptors

*Liaman K. Mamedova, Bhalchandra V. Joshi,
Zhan-Guo Gao, Ivar von K gelgen and
Kenneth A. Jacobson*

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- 1771** Immunohistochemical detection of melphalan–DNA adducts in colon cancer cells in vitro and human colorectal liver tumours in vivo
Joost Rothbarth, Cindy Koevoets, Rob A.E.M. Tollenaar, Mike J. Tilby, Cornelis J.H. van de Velde, Gerard J. Mulder and Peter J.K. Kuppen
- 1779** Daphnetin induced differentiation of human renal carcinoma cells and its mediation by p38 mitogen-activated protein kinase
Gregory J. Finn, Bernadette S. Creaven and Denise A. Egan

NEUROSCIENCE

- 1789** Functional characterisation of the human $\alpha 1$ glycine receptor in a fluorescence-based membrane potential assay
Anders A. Jensen and Uffe Kristiansen
- 1801** Protection against cisplatin ototoxicity by adenosine agonists
Craig A. Whitworth, Vickram Ramkumar, Brett Jones, Naoki Tsukasaki and Leonard P. Rybak

Erratum

- 1809** Erratum to “Effects of enhancing mitochondrial oxidative phosphorylation with reducing equivalents and ubiquinone on 1-methyl-4-phenylpyridinium toxicity and complex I–IV damage in neuroblastoma cells”. [Biochem. Pharmacol. 67 (2004) 1167–1184]
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Jeong-Eun Huh, Kyung-Sun Kang, Chanhee Chae, Hyung-Min Kim, Kyoo-Seok Ahn and Sung-Hoon Kim
- 1819** Tetrandrine-induced apoptosis is mediated by activation of caspases and PKC- δ in U937 cells
Byeong-Churl Jang, Ki-Jo Lim, Ji-Hye Paik, Jae-We Cho, Won-Ki Baek, Min-Ho Suh, Jae-Bok Park, Taek Kyu Kwon, Jong-Wook Park, Sang-Pyo Kim, Dong-Hoon Shin, Dae-kyu Song, Jae-Hoon Bae, Kyo-Cheol Mun and Seong-Il Suh

- 1831** Differential activation of CYP2C9 variants by dapsone
Matthew A. Hummel, Leslie J. Dickmann, Allan E. Rettie, Robert L. Haining and Timothy S. Tracy
- 1843** Diazoxide affects the IF₁ inhibitor protein binding to F₁ sector of beef heart F₀F₁ATP synthase
Stefania Contessi, Giuliana Metelli, Irene Mavelli and Giovanna Lippe
- 1853** Human α_{1D} -adrenoceptor phosphorylation and desensitization
J. Adolfo García-Sáinz, C. Ekaterina Rodríguez-Pérez and M. Teresa Romero-Ávila
- 1859** Involvement of tyrosine kinase p56/Lck in apoptosis induction by anticancer drugs
Charlotte Gruber, Marco Henkel, Wilfried Budach, Claus Belka and Verena Jendrosseck
- 1873** Cell cycle- and protein kinase C-specific effects of resiniferatoxin and resiniferonol 9,13,14-ortho-phenylacetate in intestinal epithelial cells
Mark R. Frey, Jennifer A. Clark, Nicholas W. Bateman, Marcelo G. Kazanietz, Adrian R. Black and Jennifer D. Black
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Joost Pil, Pieter Van der Veken, Gunther Bal, Koen Augustyns, Achiel Haemers and Jan Tytgat
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Edward A. Monaco III, Carol M. Beaman-Hall, Anjili Mathur and Mary Lou Vallano
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- 1975** Activation of nuclear factor kappa B by diesel exhaust particles in mouse epidermal cells through phosphatidylinositol 3-kinase/Akt signaling pathway
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- 1985** 4-Hydroxy tempol-induced impairment of mitochondrial function and augmentation of glucose transport in vascular endothelial and smooth muscle cells
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MOLECULAR AND CELLULAR PHARMACOLOGY

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Jean-Hubert Cauchard, Alix Berton, Gaston Godeau, William Hornebeck and Georges Bellon

- 2023** Melatonin-mediated regulation of human MT₁ melatonin receptors expressed in mammalian cells
Matthew J. Gerdin, Monica I. Masana and Margarita L. Dubocovich
- 2031** Genistein inversely affects tubulin-binding agent-induced apoptosis in human breast cancer cells
Cho-Hwa Liao, Shiow-Lin Pan, Jih-Hwa Guh and Che-Ming Teng
- 2039** Inverse agonist properties of atypical antipsychotic drugs
Elizabeth Akam and Philip G. Strange
- 2047** Induction of apoptosis in two human leukemia cell lines as well as differentiation in human promyelocytic cells by cyanidin-3-O- β -glucopyranoside
Carmela Fimognari, Fausto Berti, Michael Nüsse, Giorgio Cantelli-Forti and Patrizia Hrelia
- 2057** Pharmacological characterization of a human-specific peroxisome proliferator-activated receptor α (PPAR α) agonist in dogs
Michiaki Nagasawa, Tomohiro Ide, Masahiro Suzuki, Masaki Tsunoda, Yuniike Akasaka, Takashi Okazaki, Toshiro Mochizuki and Koji Murakami
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Ruohong Xia, Howard E. Ganther, Adam Egge and Jonathan J. Abramson
- 2081** Metformin (Glucophage) inhibits tyrosine phosphatase activity to stimulate the insulin receptor tyrosine kinase
William Holland, Thomas Morrison, Ying Chang, Nicholas Wiernsperger and Bradley J. Stith
- 2093** Quaternary ammonium-linked glucuronidation of tamoxifen by human liver microsomes and UDP-glucuronosyltransferase 1A4
Teppei Kaku, Kenichiro Ogura, Takahito Nishiyama, Tomokazu Ohnuma, Kei Muro and Akira Hiratsuka

CHEMOTHERAPY AND METABOLIC INHIBITORS

- 2103** Transinactivation of the epidermal growth factor receptor tyrosine kinase and focal adhesion kinase phosphorylation by dietary flavonoids: effect on invasive potential of human carcinoma cells
Lung-Ta Lee, Ying-Tang Huang, Jiuan-Jiuan Hwang, Amy Y.-L. Lee, Ferng-Chun Ke, Chang-Jen Huang, Chithan Kandaswami, Ping-Ping H. Lee and Ming-Ting Lee

NEUROSCIENCE

- 2115** Pharmacological characterization of human excitatory amino acid transporters EAAT1, EAAT2 and EAAT3 in a fluorescence-based membrane potential assay

Anders A. Jensen and Hans Bräuner-Osborne

GENE EXPRESSION AND DEVELOPMENT

- 2129** Molecular cloning and characterization of a glutathione S-transferase from largemouth bass (*Micropterus salmoides*) liver that is involved in the detoxification of 4-hydroxynonenal

Adriana M. Doi, Robert T. Pham, Erin M. Hughes, David S. Barber and Evan P. Gallagher

INFLAMMATION AND IMMUNOPHARMACOLOGY

- 2141** Inverse gene expression patterns for macrophage activating hepatotoxicants and peroxisome proliferators in rat liver

Michael McMillian, Alex Y. Nie, J. Brandon Parker, Angelique Leone, Michael Kemmerer, Stewart Bryant, Judy Herlich, Lynn Yieh, Anton Bittner, Xuejun Liu, Jackson Wan and Mark D. Johnson

GASTROINTESTINAL AND RENAL PHARMACOLOGY

- 2167** WIF-B cells as a model for alcohol-induced hepatocyte injury

Courtney S. Schaffert, Sandra L. Todero, Benita L. McVicker, Pamela L. Tuma, Michael F. Sorrell and Dean J. Tuma

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MOLECULAR AND CELLULAR PHARMACOLOGY

- 2175** Apoptotic injury in cultured human hepatocytes induced by HMG-CoA reductase inhibitors

Toshio Kubota, Koji Fujisaki, Yoshimori Itoh, Takahisa Yano, Toshiaki Sendo and Ryozi Oishi

- 2187** The cystic fibrosis mutation G1349D within the signature motif LSHGH of NBD2 abolishes the activation of CFTR chloride channels by genistein

Patricia Melin, Vincent Thoreau, Caroline Norez, Frédéric Bilan, Alain Kitzis and Frédéric Becq

- 2197** NO-donating nonsteroidal antiinflammatory drugs (NSAIDs) inhibit colon cancer cell growth more potently than traditional NSAIDs: a general pharmacological property?

Raymond K. Yeh, Jie Chen, Jennie L. Williams, Mehdi Baluch, Thomas R. Hundley, Raphael E. Rosenbaum, Srinivas Kalala, Frank Traganos, Francesca Benardini, Piero del Soldato, Khosrow Kashfi and Basil Rigas

- 2207** Polyhydroxylated 2-styrylchromones as potent antioxidants

Paulo Filipe, Artur M.S. Silva, Patrice Morlière, Cristela M. Brito, Larry K. Patterson, Gordon L. Hug, João N. Silva, José A.S. Cavaleiro, Jean-Claude Mazière, João P. Freitas and René Santus

- 2219** Intrinsic activity and comparative molecular dynamics of buspirone analogues at the 5-HT_{1A} receptors

Anna Agnieszka Strzelczyk, Malgorzata Jarończyk, Zdzisław Chilmonczyk, Aleksander Paweł Mazurek, Ewa Chojnacka-Wójcik and Ingebrigt Sylte

- 2231** Functional characterization of genetic polymorphisms identified in the human cytochrome P450 4F12 (CYP4F12) promoter region

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