

## REVIEW

- Genetic pathways and mutation profiles of human cancers: site- and exposure-specific patterns** I.A.Lea, M.A.Jackson, X.Li, S.Bailey, S.D.Peddada and J.K.Dunnick **1851**

## CANCER BIOLOGY

- Loss of p27Kip1 enhances tumor progression in chronic hepatocyte injury-induced liver tumorigenesis with widely ranging effects on Cdk2 or Cdc2 activation** D.Sun, H.Ren, M.Oertel, R.S.Sellers and L.Zhu **1859**
- The CBF1-independent Notch1 signal pathway activates human *c-myc* expression partially via transcription factor YY1** W.-R.Liao, R.-H.Hsieh, K.-W.Hsu, M.-Z.Wu, M.-J.Tseng, R.-T.Mai, Y.-H.W.Lee and T.-S.Yeh **1867**
- The Wnt antagonist *DICKKOPF-1* gene is induced by 1 $\alpha$ ,25-dihydroxyvitamin D<sub>3</sub> associated to the differentiation of human colon cancer cells** O.Aguilera, C.Peña, J.M.García, M.J.Larriba, P.Ordóñez-Morán, D.Navarro, A.Barbáchano, I.López de Silanes, E.Ballestar, M.F.Fraga, M.Esteller, C.Gamallo, F.Bonilla, J.M.González-Sancho and A.Muñoz **1877**
- A functional role of *Cdx2* in  $\beta$ -catenin signaling during transdifferentiation in endometrial carcinomas** M.Saegusa, M.Hashimura, T.Kuwata, M.Hamano, Y.Wani and I.Okayasu **1885**
- Parathyroid hormone-related protein induces cell survival in human renal cell carcinoma through the PI3K–Akt pathway: evidence for a critical role for integrin-linked kinase and nuclear factor kappa B** A.Agouni, C.Sourbier, S.Danilin, S.Rothhut, V.Lindner, D.Jacqmin, J.-J.Helwig, H.Lang and T.Massfelder **1893**

## MOLECULAR EPIDEMIOLOGY AND CANCER PREVENTION

- Evidence of gene–gene interactions in lung carcinogenesis in a large pooled analysis** P.Vineis, S.Anttila, S.Benhamou, M.Spinola, A.Hirvonen, C.Kiyohara, S.J.Garte, R.Puntoni, A.Rannug, R.C.Strange and E.Taioli **1902**
- Tagging SNPs in non-homologous end-joining pathway genes and risk of glioma** Y.Liu, H.Zhang, K.Zhou, L.Chen, Z.Xu, Y.Zhong, H.Liu, R.Li, Y.Y.Shugart, Q.Weil, L.Jin, F.Huang, D.Lu and L.Zhou **1906**
- The functional genetic variant Arg324Gly of frizzled-related protein is associated with colorectal cancer risk** K.S.Shanmugam, H.Brenner, M.Hoffmeister, J.Chang-Claude and B.Burwinkel **1914**
- Myricetin is a novel natural inhibitor of neoplastic cell transformation and MEK1** K.W.Lee, N.J.Kang, E.A.Rogozin, H.-G.Kim, Y.Y.Cho, A.M.Bode, H.J.Lee, Y.-J.Surh, G.T.Bowden and Z.Dong **1918**
- Acteoside inhibits human promyelocytic HL-60 leukemia cell proliferation via inducing cell cycle arrest at G<sub>0</sub>/G<sub>1</sub> phase and differentiation into monocyte** K.-W.Lee, H.J.Kim, Y.S.Lee, H.-J.Park, J.-W.Choi, J.Ha and K.-T.Lee **1928**
- Critical role of oxidative stress and sustained JNK activation in aloe-emodin-mediated apoptotic cell death in human hepatoma cells** G.D.Lu, H.-M.Shen, M.C.M.Chung and C.N.Ong **1937**
- Resveratrol suppresses prostate cancer progression in transgenic mice** C.E.Harper, B.B.Patel, J.Wang, A.Arabshahi, I.A.Eltoum and C.A.Lamartiniere **1946**
- Interactions among *GSTM1*, *GSTT1* and *GSTP1* polymorphisms, cruciferous vegetable intake and breast cancer risk** S.E.Steck, M.M.Gaudet, J.A.Britton, S.L.Teitelbaum, M.B.Terry, A.I.Neugut, R.M.Santella and M.D.Gammon **1954**
- Glutathione S-transferase polymorphisms, cruciferous vegetable intake and cancer risk in the Central and Eastern European Kidney Cancer Study** L.E.Moore, P.Brennan, S.Karami, R.J.Hung, C.Hsu, P.Boffetta, J.Toro, D.Zaridze, V.Janout, V.Bencko, M.Navratilova, N.Szeszenia-Dabrowska, D.Mates, A.Mukeria, I.Holcatova, R.Welch, S.Chanock, N.Rothman and W.-H.Chow **1960**
- Transforming growth factor beta 1 (*TGFBI*) gene polymorphisms and risk of advanced colorectal adenoma** S.I.Berndt, W.-Y.Huang, N.Chatterjee, M.Yeager, R.Welch, S.J.Chanock, J.L.Weissfeld, R.E.Schoen and R.B.Hayes **1965**
- Genetic polymorphisms in the Rb-binding zinc finger gene *RIZ* and the risk of lung cancer** K.-A.Yoon, S.Park, B.Hwangbo, H.D.Shin, H.S.Cheong, H.-R.Shin and J.S.Lee **1971**

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<b>Green tea selectively targets initial stages of intestinal carcinogenesis in the AOM-Apc<sup>Min</sup> mouse model</b>	A.Y.Issa, S.R.Volate, S.J.Muga, D.Nitcheva, T.Smith and M.J.Wargovich	<b>1978</b>
<b>MGMT germline polymorphism is associated with somatic MGMT promoter methylation and gene silencing in colorectal cancer</b>	S.Ogino, A.Hazra, G.J.Tranah, G.J.Kirkner, T.Kawasaki, K.Nosho, M.Ohnishi, Y.Suemoto, J.A.Meyerhardt, D.J.Hunter and C.S.Fuchs	<b>1985</b>
<b>Colitis-associated colon tumorigenesis is suppressed in transgenic mice rich in endogenous n-3 fatty acids</b>	J.Nowak, K.H.Weylandt, P.Habbel, J.Wang, A.Dignass, J.N.Glickman and J.X.Kang	<b>1991</b>
<b>Interaction of P53 Arg72Pro and MDM2 T309G polymorphisms and their associations with risk of gastric cardia cancer</b>	M.Yang, Y.Guo, X.Zhang, X.Miao, W.Tan, T.Sun, D.Zhao, D.Yu, J.Liu and D.Lin	<b>1996</b>
<b>Selenium status alters tumour differentiation but not incidence or latency of pancreatic adenocarcinomas in <i>Ela</i>-TGF-<math>\alpha</math> p53<sup>+/-</sup> mice</b>	M.Aichler, H.Algöl, D.Behne, G.Hölzlwimmer, B.Michalke, L.Quintanilla-Martinez, J.Schmidt, R.M.Schmid and M.Brielmeier	<b>2002</b>
<b>Single-nucleotide polymorphisms at the TP53-binding or responsive promoter regions of <i>BAX</i> and <i>BCL2</i> genes and risk of squamous cell carcinoma of the head and neck</b>	K.Chen, Z.Hu, L.-E.Wang, E.M.Sturgis, A.K.El-Naggar, W.Zhang and Q.Weì	<b>2008</b>
<b>Identification and characterization of a novel germ line p53 mutation in familial gastric cancer in the Japanese population</b>	H.Yamada, K.Shinmura, K.Okudela, M.Goto, M.Suzuki, K.Kuriki, T.Tsuneyoshi and H.Sugimura	<b>2013</b>
<b>Meat intake, preparation methods, mutagens and colorectal adenoma recurrence</b>	M.E.Martínez, E.T.Jacobs, E.L.Ashbeck, R.Sinha, P.Lance, D.S.Alberts and P.A.Thompson	<b>2019</b>
<b>CARCINOGENESIS</b>		
<b>Haploinsufficiency of the <i>cdc2l</i> gene contributes to skin cancer development in mice</b>	A.Chandramouli, J.Shi, Y.Feng, H.Holubec, R.M.Shanas, A.K.Bhattacharyya, W.Zheng and M.A.Nelson	<b>2028</b>
<b>Role of angiotensinogen gene polymorphism on <i>Helicobacter pylori</i> infection-related gastric cancer risk in Japanese</b>	M.Sugimoto, T.Furuta, N.Shirai, C.Kodaira, M.Nishino, M.Ikuma, H.Sugimura and A.Hishida	<b>2036</b>
<b>Swedish moist snuff accelerates gastric cancer development in <i>Helicobacter pylori</i>-infected wild-type and gastrin transgenic mice</b>	B.Stenström, C.-M.Zhao, A.B.Rogers, H.-O.Nilsson, E.Sturegård, S.Lundgren, J.G.Fox, T.C.Wang, T.M.Wadström and D.Chen	<b>2041</b>
<b>Potential role of ferritin heavy chain in oxidative stress and apoptosis in human mesothelial and mesothelioma cells: implications for asbestos-induced oncogenesis</b>	W.Aung, S.Hasegawa, T.Furukawa and T.Saga	<b>2047</b>
<b>The use of a cyclooxygenase-2 inhibitor (Nepafenac) in an ocular and metastatic animal model of uveal melanoma</b>	J.-C.A.Marshall, B.F.Fernandes, S.D.Cesare, S.C.Maloney, P.T.Logan, E.Antecka and M.N.Burnier Jr	<b>2053</b>
<b>LETTERS TO THE EDITOR</b>		
<b>Yang,C.Q., Chan,K.Y.K., Ngan,H.Y.S., Khoo,U.S., Chiu,P.M., Chan,Q.K.Y., Xue,W.C., and Cheung,A.N.Y. Single nucleotide polymorphisms of follicle-stimulating hormone receptor are associated with ovarian cancer susceptibility. <i>Carcinogenesis</i>, July 2006; 27, 1502–1506</b>	C.K.Bose	<b>2059</b>
<b>Follicle stimulating hormone can act on receptors of other growth hormone</b>	A.N.Y.Cheung, M.K.Y.Siu, C.W.H.Au, H.-Y.Chan and E.Wong	<b>2060</b>
<b>Corrigendum</b>		<b>2062</b>