

Editor's Note

Introducing CCR Practice of Translational Oncology.
James L. Abbruzzese1657

CCR Practice of Translational Oncology

From Bedside to Bench to Bedside to Clinical Practice: An Odyssey with Irinotecan.
Mark J. Ratain.....1658

The Biology Behind

Is BRAF the Achilles' Heel of Thyroid Cancer?
□□ *Commentary on Ouyang et al., p. 1785*
Antonio Chilochech and Richard Marais.....1661

Molecular Pathways

Mechanisms Underlying the Development of Androgen-Independent Prostate Cancer.
Kenneth J. Pienta and Deborah Bradley.....1665

Human Cancer Biology

Structural and Functional Features of the B-Cell Receptor in IgG-Positive Chronic Lymphocytic Leukemia. Kathleen N. Potter, C. Ian Mockridge, Louise Neville, Isla Wheatley, Michael Schenk, Jennifer Orchard, Andrew S. Duncombe, Graham Packham, and Freda K. Stevenson1672

Somatic Mutations of Epidermal Growth Factor Receptor in Bile Duct and Gallbladder Carcinoma. Francesco Leone, Giuliana Cavalloni, Ymera Pignochino, Ivana Sarotto, Renato Ferraris, Wanda Piacibello, Tiziana Venesio, Lorenzo Capussotti, Mauro Risio, and Massimo Aglietta1680

Cyclooxygenase 2 Expression in Colorectal Cancer with DNA Mismatch Repair Deficiency. Antoni Castells, Artemio Payá, Cristina Alenda, Francisco Rodríguez-Moranta, Rubén Agrelo, Montserrat Andreu, Virginia Piñol, Sergi Castellví-Bel, Rodrigo Jover, Xavier Llor, Elisenda Pons, J. Ignasi Elizalde, Xavier Bessa, Javier Alcedo, Joan Saló, Enrique Medina, Antonio Naranjo, Manel Esteller, and Josep M. Piqué, for the Gastrointestinal Oncology Group of the Spanish Gastroenterological Association1686

Characterization of Familial Non-BRCA1/2 Breast Tumors by Loss of Heterozygosity and Immunophenotyping. Rogier A. Oldenburg, Karin Kroeze-Jansema, Hanne Meijers-Heijboer, Cristi J. van Asperen, Nicoline Hoogerbrugge, Inge van Leeuwen, Hans F.A. Vasen, Anne-Marie Cleton-Jansen, Jaennelle Kraan, Jeanine J. Houwing-Duistermaat, Hans Morreau, Cees J. Cornelisse, and Peter Devilee1693

Neosquamous Epithelium Does Not Typically Arise from Barrett's Epithelium. Thomas G. Paulson, Lianjun Xu, Carissa Sanchez, Patricia L. Blount, Kamran Ayub, Robert D. Odze, and Brian J. Reid.....1701

The Clinical Relevance of Stromal Matrix Metalloproteinase Expression in Ovarian Cancer. Aparna A. Kamat, Mavis Fletcher, Lynn M. Gruman, Peter Mueller, Adriana Lopez, Charles N. Landen, Jr., Liz Han, David M. Gershenson, and Anil K. Sood1707

Imaging, Diagnosis, Prognosis

HER2-Positive Circulating Tumor Cells Indicate Poor Clinical Outcome in Stage I to III Breast Cancer Patients. Pia Wülfing, Julia Borchard, Horst Buerger, Stefan Heidl, Kurt S. Zänker, Ludwig Kiesel, and Burkhard Brandt1715

Reproducibility of Gene Expression Signature–Based Predictions in Replicate Experiments. Keith Anderson, Kenneth R. Hess, Mini Kapoor, Stephen Tirrell, Jean Courtemanche, Bailiang Wang, Yun Wu, Yun Gong, Gabriel N. Hortobagyi, W. Fraser Symmans, and Lajos Pusztai	1721
Prognostic Relevance of AGR2 Expression in Breast Cancer. Florian Rudolf Fritzsche, Edgar Dahl, Stefan Pahl, Mick Burkhardt, Jun Luo, Empar Mayordomo, Tserenchunt Gansukh, Anja Dankof, Ruth Knuechel, Carsten Denkert, Klaus-Jürgen Winzer, Manfred Dietel, and Glen Kristiansen	1728
Computer-Assisted Analysis of Biopsy Specimen Microvessels Predicts the Outcome of Esophageal Cancers Treated with Chemoradiotherapy. Shi-chuan Zhang, Shuichi Hironaka, Atsushi Ohtsu, Shigeaki Yoshida, Takahiro Hasebe, Masashi Fukayama, and Atsushi Ochiai.....	1735

Cancer Therapy: Clinical

Polyclonal Evolution of Multiple Secondary <i>KIT</i> Mutations in Gastrointestinal Stromal Tumors under Treatment with Imatinib Mesylate. Eva Wardelmann, Sabine Merkelbach-Bruse, Katharina Pauls, Nadja Thomas, Hans-Ulrich Schildhaus, Thomas Heinicke, Nicola Speidel, Torsten Pietsch, Reinhard Buettner, Daniel Pink, Peter Reichardt, and Peter Hohenberger.....	1743
A Phase I Clinical Trial of the hu14.18-IL2 (EMD 273063) as a Treatment for Children with Refractory or Recurrent Neuroblastoma and Melanoma: a Study of the Children’s Oncology Group. Kaci L. Osenga, Jacquelyn A. Hank, Mark R. Albertini, Jacek Gan, Adam G. Sternberg, Jens Eickhoff, Robert C. Seeger, Katherine K. Matthay, C. Patrick Reynolds, Clare Twist, Mark Krailo, Peter C. Adamson, Ralph A. Reisfeld, Stephen D. Gillies, and Paul M. Sondel	1750
Phase I Trial with BMS-275183, a Novel Oral Taxane with Promising Antitumor Activity. Linda E. Bröker, Filip Y.F.L. de Vos, Cees J. van Groenigen, Bart C. Kuenen, Helen E. Gall, Michael H. Woo, Maurizio Voi, Jourik A. Gietema, Elisabeth G.E. de Vries, and Giuseppe Giaccone	1760
A Phase I Trial of Vaccination of CA9-Derived Peptides for HLA-A24-Positive Patients with Cytokine-Refractory Metastatic Renal Cell Carcinoma. Hirotsugu Uemura, Kiyohide Fujimoto, Motoyoshi Tanaka, Motoyoshi Yoshikawa, Yoshihiko Hirao, Shigeya Uejima, Kazuhiro Yoshikawa, and Kyogo Itoh	1768
5,6-Dimethylxanthenone-4-Acetic Acid in the Treatment of Refractory Tumors: a Phase I Safety Study of a Vascular Disrupting Agent. Mark J. McKeage, Peter Fong, Mark Jeffery, Bruce C. Baguley, Phil Kestell, Miroslav Ravic, and Michael B. Jameson.....	1776

Cancer Therapy: Preclinical

Inhibitors of Raf Kinase Activity Block Growth of Thyroid Cancer Cells with <i>RET/PTC</i> or <i>BRAF</i> Mutations <i>In vitro</i> and <i>In vivo</i>. Bin Ouyang, Jeffrey A. Knauf, Eric P. Smith, Lei Zhang, Tim Ramsey, Naem Yusuff, David Batt, and James A. Fagin	1785
Gemcitabine Pharmacogenomics: Cytidine Deaminase and Deoxycytidylate Deaminase Gene Resequencing and Functional Genomics. Judith A. Gilbert, Oreste E. Salavaggione, Yuan Ji, Linda L. Pellemounter, Bruce W. Eckloff, Eric D. Wieben, Matthew M. Ames, and Richard M. Weinshilboum.....	1794
Mobilization of Bone Marrow Stem Cells by Granulocyte Colony-Stimulating Factor Ameliorates Radiation-Induced Damage to Salivary Glands. Isabelle M.A. Lombaert, Pieter K. Wierenga, Tineke Kok, Harm H. Kampinga, Gerald deHaan, and Robert P. Coppes.....	1804
Immunotherapy of Tumors with Protein Vaccine Based on Chicken Homologous Tie-2. Yan Luo, Yan-Jun Wen, Zhen-Yu Ding, Chun-Hua Fu, Yang Wu, Ji-Yan Liu, Qiu Li, Qiu-Ming He, Xia Zhao, Yu Jiang, Jiong Li, Hong-Xin Deng, Bin Kang, Yong-Qiu Mao, and Yu-Quan Wei	1813
Ingenuity Network-Assisted Transcription Profiling: Identification of a New Pharmacologic Mechanism for MK886. Anatoly L. Mayburd, Alfredo Martínez, Daniel Sackett, Huaitian Liu, Joanna Shih, Jordy Tauler, Ingalill Avis, and James L. Mulshine	1820

A Synthetic Triterpenoid, CDDO-Me, Inhibits $\kappa\text{B}\alpha$ Kinase and Enhances Apoptosis Induced by TNF and Chemotherapeutic Agents through Down-Regulation of Expression of Nuclear Factor κB-Regulated Gene Products in Human Leukemic Cells. Shishir Shishodia, Gautam Sethi, Marina Konopleva, Michael Andreeff, and Bharat B. Aggarwal.....	1828
The Vascular Targeting Property of Paclitaxel Is Enhanced by SU6668, a Receptor Tyrosine Kinase Inhibitor, Causing Apoptosis of Endothelial Cells and Inhibition of Angiogenesis. Elitza Naumova, Paolo Ubezio, Angela Garofalo, Patrizia Borsotti, Linda Cassis, Elena Riccardi, Eugenio Scanziani, Suzanne A. Eccles, Maria R. Bani, and Raffaella Giavazzi.....	1839
Irinotecan Inactivation Is Modulated by Epigenetic Silencing of <i>UGT1A1</i> in Colon Cancer. Jean-François Gagnon, Olivier Bernard, Lyne Villeneuve, Bernard Têtu, and Chantal Guillemette.....	1850
Enhanced Killing of Primary Ovarian Cancer by Retargeting Autologous Cytokine-Induced Killer Cells with Bispecific Antibodies: A Preclinical Study. John K. Chan, Chad A. Hamilton, Michael K. Cheung, Mobin Karimi, Jeanette Baker, Jonathan M. Gall, Stephan Schulz, Steve H. Thorne, Nelson N. Teng, Christopher H. Contag, Lawrence G. Lum, and Robert S. Negrin.....	1859
Dual Therapy of Ovarian Cancer Using Measles Viruses Expressing Carcinoembryonic Antigen and Sodium Iodide Symporter. Kosei Hasegawa, Linh Pham, Michael K. O'Connor, Mark J. Federspiel, Stephen J. Russell, and Kah-Whye Peng.....	1868
Tumor Epithelial Cell Matrix Metalloproteinase 9 Is a Target for Antimetastatic Therapy in Colorectal Cancer. Wilhelm J. Lubbe, Zengyi Y. Zhou, Weili Fu, David Zuzga, Stephanie Schulz, Rafael Fridman, Ruth J. Muschel, Scott A. Waldman, and Giovanni M. Pitari.....	1876
Effects of HIV Protease Inhibitor Ritonavir on Akt-Regulated Cell Proliferation in Breast Cancer. Anjajiah Srirangam, Ranjana Mitra, Mu Wang, J. Christopher Gorski, Sunil Badve, LeeAnn Baldrige, Justin Hamilton, Hiromitsu Kishimoto, John Hawes, Lang Li, Christie M. Orschell, Edward F. Srouf, Janice S. Blum, David Donner, George W. Sledge, Harikrishna Nakshatri, and David A. Potter.....	1883
Combination Chemotherapy and Radiation of Human Squamous Cell Carcinoma of the Head and Neck Augments CTL-Mediated Lysis. Alexander Gelbard, Charlie T. Garnett, Scott I. Abrams, Vyomesh Patel, J. Silvio Gutkind, Claudia Palena, Kwong-Yok Tsang, Jeffrey Schlom, and James W. Hodge.....	1897
Intraperitoneal Immunotherapy for Metastatic Ovarian Carcinoma: Resistance of Intratumoral Collagen to Antibody Penetration. Jaehwa Choi, Kimberly Credit, Karla Henderson, Ravi Deverkadra, Zhi He, Helge Wiig, Heather Vanpelt, and Michael F. Flessner.....	1906
Reduced Toxicity and Superior Therapeutic Activity of a Mitomycin C Lipid-Based Prodrug Incorporated in Pegylated Liposomes. Alberto A. Gabizon, Dinah Tzemach, Aviva T. Horowitz, Hilary Shmeeda, Jerry Yeh, and Samuel Zalipsky.....	1913
<i>In vitro</i> Stimulation of CD8 and CD4 T Cells by Dendritic Cells Loaded with a Complex of Cholesterol-Bearing Hydrophobized Pullulan and NY-ESO-1 Protein: Identification of a New HLA-DR15-Binding CD4 T-Cell Epitope. Kosei Hasegawa, Yuji Noguchi, Fumihito Koizumi, Akiko Uenaka, Motoyuki Tanaka, Michihide Shimono, Hideo Nakamura, Hiroshi Shiku, Sacha Gnjjatic, Roger Murphy, Yuji Hiramatsu, Lloyd J. Old, and Eiichi Nakayama.....	1921
Albendazole: a Potent Inhibitor of Vascular Endothelial Growth Factor and Malignant Ascites Formation in OVCAR-3 Tumor-Bearing Nude Mice. Mohammad Hossein Pourgholami, Zhao Yan Cai, Ying Lu, Lisa Wang, and David Lawson Morris.....	1928

Cancer Prevention

Estrogen Receptor β Polymorphism Is Associated with Prostate Cancer Risk. Camilla Thellenberg-Karlsson, Sara Lindström, Beatrice Malmer, Fredrik Wiklund, Katarina Augustsson-Bälter, Hans-Olav Adami, Par Stattin, Maria Nilsson, Karin Dahlman-Wright, Jan-Åke Gustafsson, and Henrik Grönberg.....	1936
---	------

Letters to the Editor

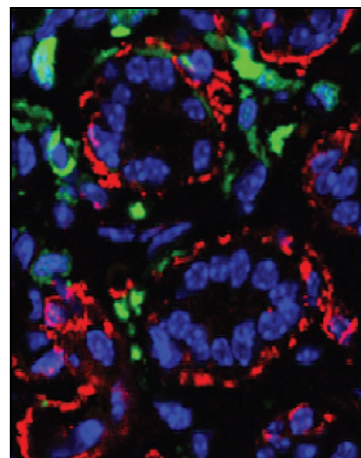
- Correspondence re: Cecchin et al., Carboxylesterase Isoform 2 mRNA Expression in Peripheral Blood Mononuclear Cells Is a Predictive Marker of the Irinotecan to SN38 Activation Step in Colorectal Cancer Patients. Clin Cancer Res 2005;11:6901-7.**
Balram Chowbay, Srinivas Rao Jada, and Darren Lim Wan Teck1942
- Reply to the Letter to the Editor from Chowbay et al.** Erika Cecchin, Giuseppe Corona, and Giuseppe Toffoli.....1942
- No Universally Applicable Thermal Dose Descriptor.** Jacoba van der Zee, Gerard C. van Rhoon, and Paul J.M. Rietveld1943
- A Clinically Proven, Prospective, Thermal Dose Descriptor Exists.** Donald E. Thrall, Mark W. Dewhirst, Ellen L. Jones, Zeljko Vujaskovic, Daohai Yu, and Oana I. Craciunescu1944

Correction

- Article on Overexpression of Peptidyl-Prolyl Isomerase-Like 1 Is Associated with Colon Cancer Cell Growth**.....1947

About the Cover

eGFP signal of bone marrow-derived cells that have homed to a submandibular gland 130 days after irradiation and α -smooth muscle actin (red) costaining on salivary myoepithelial cells. The nuclei are stained with DAPI. Postirradiation mobilization of bone marrow cells using G-CSF reduces damage to the salivary glands. For further details, please see Lombaert et al. on page 1804 in this issue.



Clinical Cancer Research

12 (6)

Clin Cancer Res 2006;12:1657-1947.

Updated version Access the most recent version of this article at:
<http://clincancerres.aacrjournals.org/content/12/6>

E-mail alerts [Sign up to receive free email-alerts](#) related to this article or journal.

Reprints and Subscriptions To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions To request permission to re-use all or part of this article, use this link <http://clincancerres.aacrjournals.org/content/12/6>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.