### Perspectives

**New, Long-term Insights from the Adenoma Prevention with Celecoxib Trial on a Promising but Troubled Class of Drugs.**
Raymond N. DuBois

*Perspective on Bertagnolli et al., p. 310*

---

**Mechanisms of Cyclooxygenase-2 Inhibition and Cardiovascular Side Effects—The Plot Thickens.**
Lawrence J. Marnett

*Perspective on Duffield-Lillico et al., p. 322*

---

**Targeting Angiogenesis from Premalignancy to Metastases.**
Jennifer R. Grandis and Athanassios Argiris

*Perspective on Gandhi et al., p. 330*

---

**Mechanistic Insights into Reducing the Weight of Breast Cancer.**
Stephen D. Hursting

*Perspective on Jiang et al., p. 338*

---

**Cruciferous Vegetable Intake and Cancer Prevention: Role of Nutrigenetics.**
Christine B. Ambrosone and Li Tang

*Perspective on Navarro et al., p. 345*

### Review

**Energy Homeostasis and Cancer Prevention: The AMP-Activated Protein Kinase.**
Judith R. Fay, Vernon Steele and James A. Crowell

*Volume 2, Number 4, April 2009*

---

### Research Articles

**Five-Year Efficacy and Safety Analysis of the Adenoma Prevention with Celecoxib Trial.**
Monica M. Bertagnolli, Craig J. Eagle, Ann G. Zauber, Mark Redston, Aurora Breazna, KyungMann Kim, Jie Tang, Rebecca B. Rosenstein, Asad Umar, Donya Bagheri, Neal T. Collins, John Burn, Daniel C. Chung, Thomas Dewar, T. Raymond Foley, Neville Hoffman, Finlay Macrae, Ronald E. Pruitt, John R. Saltzman, Bruce Salzberg, Thomas Sylwestrowicz, Ernest T. Hawk and for the Adenoma Prevention with Celecoxib Study Investigators

*Volume 2, Number 4, April 2009*

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**Levels of Prostaglandin E Metabolite and Leukotriene E4 Are Increased in the Urine of Smokers: Evidence that Celecoxib Shunts Arachidonic Acid into the 5-Lipoxygenase Pathway.**

*Volume 2, Number 4, April 2009*

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**Sunitinib Prolongs Survival in Genetically Engineered Mouse Models of Multistep Lung Carcinogenesis.**
Leena Gandhi, Kate L. McNamara, Danan Li, Christa L. Borgman, Ultan McDermott, Kathleen A. Brandstetter, Robert F. Padera, Lucian R. Chirieac, Jeffrey E. Settleman and Kwok-Kin Wong

*Volume 2, Number 4, April 2009*

---

**Effects of Physical Activity and Restricted Energy Intake on Chemically Induced Mammary Carcinogenesis.**
Weiqin Jiang, Zongjian Zhu and Henry J. Thompson

*Volume 2, Number 4, April 2009*

---

**Cruciferous Vegetable Feeding Alters UGT1A1 Activity: Diet- and Genotype-Dependent Changes in Serum Bilirubin in a Controlled Feeding Trial.**
Sandi L. Navarro, Sabrina Peterson, Chu Chen, Karen W. Makar, Yvonne Schwarz, Irena B. King, Shuying S. Li, Lin Li, Mark Kestin and Johanna W. Lampe

*Volume 2, Number 4, April 2009*

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**Dietary Sulforaphane-Rich Broccoli Sprouts Reduce Colonization and Attenuate Gastritis in Helicobacter pylori–Infected Mice and Humans.**
Akinori Yanaka, Jed W. Fahey, Atsushi Fukumoto, Mari Nakayama, Souta Inoue, Songhua Zhang, Masafumi Tauchi, Hideo Suzuki, Ichinosuke Hyodo and Masayuki Yamamoto

*Volume 2, Number 4, April 2009*

The Chemopreventive Agent Myoinositol Inhibits Akt and Extracellular Signal-Regulated Kinase in Bronchial Lesions from Heavy Smokers. Wei Han, Joell J. Gills, Regan M. Memmott, Stephen Lam and Phillip A. Dennis ..........................................................370

Phase I-II Trial of Weekly Bicalutamide in Men with Elevated Prostate-Specific Antigen and Negative Prostate Biopsies. Silvia Zanardi, Matteo Puntoni, Massimo Maffezzini, Roberto Bandelloni, Marco Mori, Alessandra Argusti, Fabio Campodonico, Laura Turbino, Daniela Branchi, Rodolfo Montironi and Andrea Decensi..........................................................377

ABT-510 Is an Effective Chemopreventive Agent in the Mouse 4-Nitroquinoline 1-Oxide Model of Oral Carcinogenesis. Rifat Hasina, Leslie E. Martin, Kristen Kasza, Colleen L. Jones, Asif Jalil and Mark W. Lingen..........................................................................................385


About the Cover
The cover features a genetically engineered mouse (GEM; photo courtesy of Takeshi Shimamura). Genetic engineering in mice to conditionally activate oncogenic Kras with or without the conditional loss of the tumor suppressor Lkb1 induces non-small-cell lung carcinogenesis. The Lkb1/Kras, Kras and other GEM models are valuable tools for preclinical tests of novel agents for the prevention and treatment of lung cancers. Lkb1/Kras mice are a novel model of metastatic lung cancer; lung cancer in Kras mice does not metastasize. These GEM models provide platforms to assess the impact of targeted agents on angiogenesis and the tumor-microenvironment interaction, which cannot be assessed or recapitulated easily in xenograft or in vitro models. Treatment or chemoprevention studies can be initiated and performed on these mice at specific time points in the genetically engineered oncogenic process. The multi-targeted (e.g., VEGFR) tyrosine kinase inhibitor sunitinib can repress and prevent tumors in both models, although it did not affect metastases in the Lkb1/Kras model. See articles by Gandhi et al. (beginning on page 330) and Grandis and Argiris (beginning on page 291) for more information.