The Role of the PGE$_2$-Aromatase Pathway in Obesity-Associated Breast Inflammation .......... 308
D. Wang and R.N. DuBois
Commentary on Subbaramaiah et al., p. 356

REVIEW
Negative Feedback and Adaptive Resistance to the Targeted Therapy of Cancer ... 311
S. Chandraharapty

RESEARCH BRIEF
Imaging Androgen Receptor Signaling with a Radiotracer Targeting Free Prostate-Specific Antigen ..... 320
Précis: A PSA-targeted radiotracer specifically localizes to prostate tumors and bone metastases and quantifies responses to antiandrogen therapy.

IN THIS ISSUE
Highlighted research articles .................................. vi

NEWS IN BRIEF
Important news stories affecting the community ............... 291

Q&A: Antoni Ribas on Immunotherapy Progress ...... 293
Spreading Discoveries with Neoadjuvant Studies .......... 294

Q&A: The Science of Biosimilars ...... 295

RESEARCH WATCH
Selected highlights of recent articles of exceptional significance from the cancer literature ............. 296

ONLINE
For more News and Research Watch, visit Cancer Discovery online at http://CDnews.aacrjournals.org.

VIEWS
In The Spotlight
A Spotlight from Prostate Cancer .................. 301
H.R. Herschman and J. Czernin
Commentary on Ulmert et al., p. 320

Cancer Cell Metabolism: There Is No ROS for the Weary ......................... 304
C.V. Dang
Commentary on Ros et al., p. 328

FUNCTIONAL METABOLIC SCREEN IDENTIFIES 6-PHOSPHOFRACTO-2-KINASE/FRUCTOSE-2,6-BIPHOSPHATASE 4 AS AN IMPORTANT REGULATOR OF PROSTATE CANCER CELL SURVIVAL ................ 328
S. Ros, C.R. Santos, S. Maco, F. Baenke, G. Kelly, M. Howell, N. Zamboni, and A. Schulze
Précis: PFKFB4 regulates the balance between glycolysis and the pentose phosphate pathway to maintain redox homeostasis in prostate cancer cells.

Functional Metabolic Screen Identifies 6-Phosphofructo-2-Kinase/ Fructose-2,6-Biphosphatase 4 as an Important Regulator of Prostate Cancer Cell Survival ............... 328
S. Ros, C.R. Santos, S. Maco, F. Baenke, G. Kelly, M. Howell, N. Zamboni, and A. Schulze
Précis: PFKFB4 regulates the balance between glycolysis and the pentose phosphate pathway to maintain redox homeostasis in prostate cancer cells.
Metformin Accelerates the Growth of BRAFV600E-Driven Melanoma by Upregulating VEGF-A .......... 344
M.J. Martin, R. Hayward, A. Viros, and R. Marais

Précis: Metformin promotes BRAF-mutant melanoma growth via VEGF-A induction, but synergizes with VEGF inhibitors to suppress tumor growth.

Increased Levels of COX-2 and Prostaglandin E2 Contribute to Elevated Aromatase Expression in Inflamed Breast Tissue of Obese Women ................. 356

Précis: Obesity-related breast inflammation increases aromatase activity and may therefore underlie an increased risk of hormone receptor-positive breast cancer.

Telomeric Allelic Imbalance Indicates Defective DNA Repair and Sensitivity to DNA-Damaging Agents .......... 366

Précis: Increased allelic imbalance extending to the telomeres predicts response to platinum-based chemotherapy and may identify patients with defective DNA repair.

Correction

Correction: Genomic Complexity and AKT Dependence in Serous Ovarian Cancer ......................... 376