FOCUS

Mountaintop Removal Mining: Digging Into Community Health Concerns

David C. Holzman
A476–A483 | http://dx.doi.org/10.1289/ehp.119-A476

Mountaintop removal (MTR) mining, a major form of coal mining in West Virginia and Kentucky, is controversial because of its environmental impacts. New research studies are beginning to link environmental impacts of MTR mining to adverse outcomes in community health, raising questions about whether the benefits of this technology come at too high a health cost.
FORUM

The Mixed Blessing of Phosphor-Based White LEDs

Angela Spivey
A472–A473 | http://dx.doi.org/10.1289/ehp.119-A472

Dryer Vents: An Overlooked Source of Pollution?

Rebecca Kessler
A474–A475 | http://dx.doi.org/10.1289/ehp.119-A474a

The Beat

Erin E. Dooley
A474–A475 | http://dx.doi.org/10.1289/ehp.119-A474b

SPHERES OF INFLUENCE

Are We on the Same Page? Action Agenda of the National Conversation on Public Health and Chemical Exposures

Valerie J. Brown
A484–A487 | http://dx.doi.org/10.1289/ehp.119-A484

Opinions vary on how best to study, regulate, and limit exposures to hazardous chemicals. The National Conversation on Public Health and Chemical Exposures—a collaboration of community-based environmental justice groups, professional and industry associations, and state and federal government agencies—sought to find common ground in this diversity of opinion. The result was a June 2011 Action Agenda of recommendations for reducing and preventing hazardous chemical exposures.
SCIENCE SELECTIONS

An Emotional Bond: The Relationship between Maternal Stress and Offspring Disease
Tanya Tillett
A488 | http://dx.doi.org/10.1289/ehp.119-A488a

Photochemical Finish: Assessing the Genomic Impact of Secondary Air Pollutants
Bob Weinhold
A488 | http://dx.doi.org/10.1289/ehp.119-A488b

Formaldehyde Connection: Modeled Exposure Linked to Lower Respiratory Infections in Infants
Julia R. Barrett
A489 | http://dx.doi.org/10.1289/ehp.119-A489a

Poultry Relief? Organic Farming May Reduce Drug Resistance
Wendee Holtcamp
A489 | http://dx.doi.org/10.1289/ehp.119-A489b

COMMENTARIES

Status of Legislation and Regulatory Control of Public Health Pesticides in Countries Endemic with or at Risk of Major Vector-Borne Diseases
Graham Matthews, Morteza Zaim, Rajpal Singh Yadav, Agnes Soares, Jeffrey Hii, Birkinesh Ameneshewa, Abraham Mnzava, Aditya Prasad Dash, Mikhail Ejov, Soo Hian Tan, Henk van den Berg
1517–1522 | http://dx.doi.org/10.1289/ehp.1103637

The Environmental Polymorphism Registry: A Unique Resource that Facilitates Translational Research of Environmental Disease
Patricia C. Chulada, Enrikas Vainorius, Stavros Garantziotis, Lauranell H. Burch, Perry J. Blackshear, Darryl C. Zeldin
1523–1527 | http://dx.doi.org/10.1289/ehp.1003348

Global Methylation in Exposure Biology and Translational Medical Science
Heather H. Nelson, Carmen J. Marsit, Karl T. Kelsey
1528–1533 | http://dx.doi.org/10.1289/ehp.1103423
**Mobile Phones, Brain Tumors, and the Interphone Study: Where Are We Now?**

Anthony J. Swerdlow, Maria Feychtling, Adele C. Green, Leeka Kheifets, David A. Savitz
1534–1538 | [http://dx.doi.org/10.1289/ehp.1103693](http://dx.doi.org/10.1289/ehp.1103693)

**REVIEWS**

**Informing Selection of Nanomaterial Concentrations for ToxCast in Vitro Testing Based on Occupational Exposure Potential**

Sumit Gangwal, James S. Brown, Amy Wang, Keith A. Houck, David J. Dix, Robert J. Kavlock, Elaine A. Cohen Hubal
1539–1546 | [http://dx.doi.org/10.1289/ehp.1103750](http://dx.doi.org/10.1289/ehp.1103750)


Virissa Lenters, Roel Vermeulen, Sies Dogger, Leslie Stayner, Lützen Portengen, Alex Burdorf, Dick Heederik
1547–1555 | [http://dx.doi.org/10.1289/ehp.1002879](http://dx.doi.org/10.1289/ehp.1002879)

**RESEARCH**

**Secondhand Smoke Exposure and Coronary Artery Calcification among Nonsmoking Participants of a Population-Based Cohort**

Frank Peinemann, Susanne Moebus, Nico Dragano, Stefan Möhlenkamp, Nils Lehmann, Hajo Zeeb, Raimund Erbel, Karl-Heinz Jöckel, Barbara Hoffmann
1556–1561 | [http://dx.doi.org/10.1289/ehp.1003347](http://dx.doi.org/10.1289/ehp.1003347)

**Intervention to Lower Household Wood Smoke Exposure in Guatemala Reduces ST-Segment Depression on Electrocardiograms**

John McCracken, Kirk R. Smith, Peter Stone, Anaité Díaz, Byron Arana, Joel Schwartz
1562–1568 | [http://dx.doi.org/10.1289/ehp.1002834](http://dx.doi.org/10.1289/ehp.1002834)

**Benzo[a]pyrene Reduces Testosterone Production in Rat Leydig Cells via a Direct Disturbance of Testicular Steroidogenic Machinery**

Jin-Yong Chung, Yoon-Jae Kim, Ji Young Kim, Seung Gee Lee, Ji-Eun Park, Won Rok Kim, Yong-Dal Yoon, Ki Soo Yoo, Young Hyun Yoo, Jong-Min Kim
1569–1574 | [http://dx.doi.org/10.1289/ehp.1003391](http://dx.doi.org/10.1289/ehp.1003391)

**Permanent Oviduct Posteriorization after Neonatal Exposure to the Phytoestrogen Genistein**

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A Toxicogenomic Comparison of Primary and Photochemically Altered Air Pollutant Mixtures
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Retinoic Acid Drives Aryl Hydrocarbon Receptor Expression and Is Instrumental to Dioxin-Induced Toxicity during Palate Development
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Suicide and Pesticide Use among Pesticide Applicators and Their Spouses in the Agricultural Health Study
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1610–1615 | http://dx.doi.org/10.1289/ehp.1103413

Lung Cancer and Cardiovascular Disease Mortality Associated with Ambient Air Pollution and Cigarette Smoke: Shape of the Exposure–Response Relationships
C. Arden Pope, Richard T. Burnett, Michelle C. Turner, Aaron Cohen, Daniel Krewski, Michael Jerrett, Susan M. Gapstur, Michael J. Thun
1616–1621 | http://dx.doi.org/10.1289/ehp.1103639

Lower Prevalence of Antibiotic-Resistant Enterococci on U.S. Conventional Poultry Farms that Transitioned to Organic Practices
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Relative Bioavailability and Bioaccessibility and Speciation of Arsenic in Contaminated Soils
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Seasonal Variation in TP53 R249S-Mutated Serum DNA with Aflatoxin Exposure and Hepatitis B Virus Infection
Stéphanie Villar, Emilie Le Roux-Goglin, Doriane A. Gouas, Amelie Plymoth, Gilles Ferro, Mathieu Boniol, Myriam Lereau, Ebrima Bah, Andrew J. Hall, Christopher P. Wild, Maimuna Mendy, Helene Norder, Marianne van der Sande, Hilton Whittle, Marlin D. Friesen, John D. Groopman, Pierre Hainaut
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A Case–Referent Study of Lung Cancer and Incense Smoke, Smoking, and Residential Radon in Chinese Men
Lap Ah Tse, Ignatius Tak-sun Yu, Hong Qiu, Joseph Siu Kai Au, Xiao-rong Wang
1641–1646 | http://dx.doi.org/10.1289/ehp.1002790

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Stress during Pregnancy and Offspring Pediatric Disease: A National Cohort Study
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Formaldehyde Exposure and Lower Respiratory Infections in Infants: Findings from the PARIS Cohort Study
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Arsenic Exposure and Motor Function among Children in Bangladesh
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Pripravila: RNDr. Soňa Masaryková
Odbor preventívneho pracovného lekárstva
Úrad verejného zdravotníctva SR