

ENVIRONMENTAL HEALTH PERSPECTIVES, jún 2012, ročník 120, číslo 6



FOCUS

Our Food: Packaging & Public Health

Luz Claudio
A232–A237 | <http://dx.doi.org/10.1289/ehp.120-A232>

Humans have used packaging to store, protect, and transport all manner of foods for centuries. Over time packaging has evolved in response to public-health needs and marketing trends. Given that the average person encounters a variety of packaging materials throughout the course of a day, there is concern that exposures to certain constituents of these materials might pose some risks to human health.

FORUM

More Chemicals Show Epigenetic Effects across Generations

Bob Weinhold
A228 | <http://dx.doi.org/10.1289/ehp.120-A228>

Titanium Dioxide Photocleans Polluted Air

Adrian Burton
A229 | <http://dx.doi.org/10.1289/ehp.120-A229>

When It Comes to Electric Vehicle Emissions, Location Matters

David C. Holzman
A230–A231 | <http://dx.doi.org/10.1289/ehp.120-A230a>

The Beat

Erin E. Dooley
A230–A231 | <http://dx.doi.org/10.1289/ehp.120-A230b>

SPHERES OF INFLUENCE



One Study, Two Paths: The Challenge of Dual-Use Research

Wendee Holtcamp
A238–A242 | <http://dx.doi.org/10.1289/ehp.120-A238>

Technological and biomedical breakthroughs over the last half-century have occurred at a dizzying speed, some of which have the potential to harm as well as help human health. This type of research—referred to as “dual use”—has begun to receive more scrutiny as public-health officials grapple with striking a fair balance between protecting academic and scientific freedom and safeguarding public health.

SCIENCE SELECTIONS

Bad Neighbors: Arsenic-Induced Tumor Cells Convert Normal Stem Cells into a Cancerous Phenotype

Julia R. Barrett
A244 | <http://dx.doi.org/10.1289/ehp.120-A244a>

Casting a Wider Net: The Quest for Better Guidance on Seafood Consumption

Kellyn S. Betts
A244 | <http://dx.doi.org/10.1289/ehp.120-A244b>

A Compact Exposure: Estimating Inhalation of Engineered Nanoparticles in Cosmetic Powders

Tanya Tillett
A245 | <http://dx.doi.org/10.1289/ehp.120-A245a>

Global Bang for the Buck: Cutting Black Carbon and Methane Benefits Both Health and Climate

Bob Weinhold
A245 | <http://dx.doi.org/10.1289/ehp.120-A245b>

COMMENTARIES

Nutrition Can Modulate the Toxicity of Environmental Pollutants: Implications in Risk Assessment and Human Health

Bernhard Hennig, Lindell Ormsbee, Craig J. McClain, Bruce A. Watkins, Bruce Blumberg, Leonidas G. Bachas, Wayne Sanderson, Claudia Thompson, William A. Suk
771–774 | <http://dx.doi.org/10.1289/ehp.1104712>

World Health Organization Discontinues Its Drinking-Water Guideline for Manganese

Seth H. Frisbie, Erika J. Mitchell, Hannah Dustin, Donald M. Maynard, Bibudhendra Sarkar
775–778 | <http://dx.doi.org/10.1289/ehp.1104693>

REVIEWS

Role of Environmental Chemicals in Diabetes and Obesity: A National Toxicology Program Workshop Review

Kristina A. Thayer, Jerrold J. Heindel, John R. Bucher, Michael A. Gallo
779–789 | <http://dx.doi.org/10.1289/ehp.1104597>

Which Fish Should I Eat? Perspectives Influencing Fish Consumption Choices

Emily Oken, Anna L. Choi, Margaret R. Karagas, Koenraad Mariën, Christoph M. Rheinberger, Rita Schoeny, Elsie Sunderland, Susan Korrick
790–798 | <http://dx.doi.org/10.1289/ehp.1104500>

Evidence on the Human Health Effects of Low-Level Methylmercury Exposure

Margaret R. Karagas, Anna L. Choi, Emily Oken, Milena Horvat, Rita Schoeny, Elizabeth Kamai, Whitney Cowell, Philippe Grandjean, Susan Korrick
799–806 | <http://dx.doi.org/10.1289/ehp.1104494>

RESEARCH

Association between Residential Proximity to Fuel-Fired Power Plants and Hospitalization Rate for Respiratory Diseases

Xiaopeng Liu, Lawrence Lessner, David O. Carpenter
807–810 | <http://dx.doi.org/10.1289/ehp.1104146>

Persistent Lipophilic Environmental Chemicals and Endometriosis: The ENDO Study

Germaine M. Buck Louis, Zhen Chen, C. Matthew Peterson, Mary L. Hediger, Mary S. Croughan, Rajeshwari Sundaram, Joseph B. Stanford, Michael W. Varner, Victor Y. Fujimoto, Linda C. Giudice, Ann Trumble, Patrick J. Parsons, Kurunthachalam Kannan
811–816 | <http://dx.doi.org/10.1289/ehp.1104432>

Relation of Cumulative Low-Level Lead Exposure to Depressive and Phobic Anxiety Symptom Scores in Middle-Age and Elderly Women

Ki-Do Eum, Susan A. Korrick, Jennifer Weuve, Olivia Okereke, Laura D. Kubzansky, Howard Hu, Marc G. Weisskopf
817–823 | <http://dx.doi.org/10.1289/ehp.1104395>

Modeling the Residential Infiltration of Outdoor PM_{2.5} in the Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air)

Ryan W. Allen, Sara D. Adar, Ed Avol, Martin Cohen, Cynthia L. Curl, Timothy Larson, L.-J. Sally Liu, Lianne Sheppard, Joel D. Kaufman
824–830 | <http://dx.doi.org/10.1289/ehp.1104447>

Global Air Quality and Health Co-benefits of Mitigating Near-Term Climate Change through Methane and Black Carbon Emission Controls

Susan C. Anenberg, Joel Schwartz, Drew Shindell, Markus Amann, Greg Faluvegi, Zbigniew Klimont, Greet Janssens-Maenhout, Luca Pozzoli, Rita Van Dingenen, Elisabetta Vignati, Lisa Emberson, Nicholas Z. Muller, J. Jason West, Martin Williams, Volodymyr Demkine, W. Kevin Hicks, Johan Kuylenstierna, Frank Raes, Veerabhadran Ramanathan
831–839 | <http://dx.doi.org/10.1289/ehp.1104301>

Mitochondria-Derived Reactive Intermediate Species Mediate Asbestos-Induced Genotoxicity and Oxidative Stress-Responsive Signaling Pathways

Sarah X.L. Huang, Michael A. Partridge, Shanaz A. Gandhi, Mercy M. Davidson, Sally A. Amundson, Tom K. Hei
840–847 | <http://dx.doi.org/10.1289/ehp.1104287>

Exposure to Ambient Air Fine Particulate Matter Prevents VEGF-Induced Mobilization of Endothelial Progenitor Cells from the Bone Marrow

Petra Haberzettl, Jongmin Lee, Dheeraj Duggineni, James McCracken, Duane Bolanowski, Timothy E. O'Toole, Aruni Bhatnagar, Daniel J. Conklin
848–856 | <http://dx.doi.org/10.1289/ehp.1104206>

Single-Nucleotide Polymorphisms Associated with Skin Naphthyl-Keratin Adduct Levels in Workers Exposed to Naphthalene

Rong Jiang, John E. French, Vandy P. Stober, Juei-Chuan C. Kang-Sickel, Fei Zou, Leena A. Nylander-French
857–864 | <http://dx.doi.org/10.1289/ehp.1104304>

Arsenic-Transformed Malignant Prostate Epithelia Can Convert Noncontiguous Normal Stem Cells into an Oncogenic Phenotype

Yuanyuan Xu, Erik J. Tokar, Yang Sun, Michael P. Waalkes
865–871 | <http://dx.doi.org/10.1289/ehp.1204987>

Characterization of Fine Particulate Matter and Associations between Particulate Chemical Constituents and Mortality in Seoul, Korea

Ji-Young Son, Jong-Tae Lee, Ki-Hyun Kim, Kweon Jung, Michelle L. Bell
872–878 | <http://dx.doi.org/10.1289/ehp.1104316>

Low-Level Environmental Cadmium Exposure Is Associated with DNA Hypomethylation in Argentinean Women

Mohammad Bakhtiar Hossain, Marie Vahter, Gabriela Concha, Karin Broberg
879–884 | <http://dx.doi.org/10.1289/ehp.1104600>

Potential for Inhalation Exposure to Engineered Nanoparticles from Nanotechnology-Based Cosmetic Powders

Yevgen Nazarenko, Huajun Zhen, Taewon Han, Paul J. Lioy, Gediminas Mainelis
885–892 | <http://dx.doi.org/10.1289/ehp.1104350>

CHILDREN'S HEALTH

Aflatoxin Exposure May Contribute to Chronic Hepatomegaly in Kenyan School Children

Yun Yun Gong, Shona Wilson, Joseph K. Mwatha, Michael N. Routledge, Jovita M. Castelino, Bin Zhao, Gachuhi Kimani, H. Curtis Kariuki, Birgitte J. Vennervald, David W. Dunne, Christopher P. Wild
893–896 | <http://dx.doi.org/10.1289/ehp.1104357>

Phthalates and Perfluorooctanesulfonic Acid in Human Amniotic Fluid: Temporal Trends and Timing of Amniocentesis in Pregnancy

Morten Søndergaard Jensen, Bent Nørgaard-Pedersen, Gunnar Toft, David M. Hougaard, Jens Peter Bonde, Arieh Cohen, Ane Marie Thulstrup, Richard Ivell, Ravinder Anand-Ivell, Christian H. Lindh, Bo A.G. Jönsson
897–903 | <http://dx.doi.org/10.1289/ehp.1104522>

Neuropsychological Measures of Attention and Impulse Control among 8-Year-Old Children Exposed Prenatally to Organochlorines

Sharon K. Sagiv, Sally W. Thurston, David C. Bellinger, Larisa M. Altshul, Susan A. Korrick
904–909 | <http://dx.doi.org/10.1289/ehp.1104372>

Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons: Effects on Gastroschisis among Offspring in the National Birth Defects Prevention Study

Philip J. Lupo, Peter H. Langlois, Jennita Reefhuis, Christina C. Lawson, Elaine Symanski, Tania A. Desrosiers, Zeina G. Khodr, A.J. Agopian, Martha A. Waters, Kara N. Duwe, Richard H. Finnell, Laura E. Mitchell, Cynthia A. Moore, Paul A. Romitti, Gary M. Shaw
910–915 | <http://dx.doi.org/10.1289/ehp.1104305>

Prenatal Exposure to Bisphenol A and Child Wheeze from Birth to 3 Years of Age

Adam J. Spanier, Robert S. Kahn, Allen R. Kunselman, Richard Hornung, Yingying Xu, Antonia M. Calafat, Bruce P. Lanphear
916–920 | <http://dx.doi.org/10.1289/ehp.1104175>

Prenatal Polycyclic Aromatic Hydrocarbon (PAH) Exposure and Child Behavior at Age 6–7 Years

Frederica P. Perera, Deliang Tang, Shuang Wang, Julia Vishnevetsky, Bingzhi Zhang, Diurka Diaz, David Camann, Virginia Rauh
921–926 | <http://dx.doi.org/10.1289/ehp.1104315>

*Pripravila: RNDr. Soňa Masaryková
Odbor preventívneho pracovného lekárstva
Úrad verejného zdravotníctva SR*