




**Andrew G. Rundle**  
**Curriculum Vitae**

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**Andrew G. Rundle**

**Date of Preparation**

Nov 2012

**Contacts:**

Email: [Agr3@columbia.edu](mailto:Agr3@columbia.edu)  
Research team website: [BEH.columbia.edu](http://BEH.columbia.edu)   
Google Scholar Profile:   
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**Academic Training:**

1987-1991 State University of New York at Binghamton, Binghamton, NY.  
B.S. in Biology  
  
1992-1994 Columbia University School of Public Health, New York, NY.  
M.P.H in Environmental Sciences  
  
1998-1999 Columbia Fu Foundation School of Engineering, New York, NY.  
Computer Graphics and Animation – no degree  
  
1996-2000 Mailman School of Public Health, New York, NY.  
Dr.P.H. in Environmental Health Sciences  
Thesis: A Molecular Epidemiologic Case-Control Study of Breast Cancer.  
Under supervision of Dr. Frederica Perera

**Professional organizations and societies:**

American Association for Cancer Research  
American Society of Preventive Oncology

**Academic appointments:**

1994-1996 Columbia University School of Public Health, Division of Environmental Health Sciences, New York, NY; Staff Associate.  
  
1999 Mailman School of Public Health, Division of Environmental Health Sciences, New York, NY; Staff Associate.  
  
2000 Mailman School of Public Health, Division of Environmental Health Sciences, New York, NY; Associate Research Scientist.  
  
2000-2008 Mailman School of Public Health, Department of Epidemiology, New York, NY; Assistant Professor of Epidemiology.  
  
2003-Present Robert Wood Johnson Health and Society Scholars Program at Columbia University, New York, NY, affiliated faculty

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- 2006-Present Institute for Social and Economic Research and Policy, Columbia University, New York, NY, affiliated faculty.
- 2008-Present Mailman School of Public Health, Department of Epidemiology, New York, NY; Associate Professor of Epidemiology with Tenure.

**Other appointments:**

- 2002-Present Herbert Irving Comprehensive Cancer Center, Columbia University, New York, NY, Member
- 2004-Present Robert Wood Johnson Health and Society, Working Group on Physical Activity and Obesity, Columbia University, New York, NY, PI.
- 2009-Present Steering Committee of the Columbia Population Research Center.
- 2009-Present Executive Committee of the Columbia Children's Center for Environmental Health

**Honors:**

- 1990 Phi Beta Kappa
- 1990-1991 Research Grant from the SUNY Research Foundation, State University of New York at Binghamton
- 1992-1994 Graduate Research Assistantship, Columbia School of Public Health, Division of Environmental Sciences
- 1994 Environmental Sciences Award for Academic Excellence, Columbia School of Public Health
- 1996-1999 National Cancer Institute Pre-Doctoral Fellowship, Columbia School of Public Health
- 1998 New Investigator Workshop Award, American Society for Preventive Oncology Annual Meeting
- 2000 Environmental Health Sciences Award for Academic Excellence, Mailman School of Public Health
- 2003 Nominated for Mailman School of Public Health Teaching Excellence Award
- 2003 Nominated for Lamont-Doherty Earth Observatory Excellence in Teaching Award
- 2004-2010 National Center on Minority Health and Health Disparities, Health Disparities Scholar.
- 2005 Delivered the inaugural Lucille N. Austin Lecture. Columbia University School of Social Work.
- 2009 Nominated for the Mailman School of Public Health Faculty Mentoring Award.

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2012 TEDMED2012 – Great Challenges Advocate

**Fellowship and grant support:**

Current support

- 2007-2012 Co-Investigator, NIEHS grant number R01 ES011126 (PI: Ben Rybicki) A Nested Case Control Study of Biomarkers of Prostate Cancer. - \$1,038,199 total direct costs
- 2007-2012 Co-Investigator, NIEHS grant number R01ES008977-10 (PI: Frederica Perera, DrPH) Health Effects of Early-Life Exposures to Urban Pollutants in Minority Children - \$3,864,230 total direct costs
- 2007-2012 Co-Investigator, NIEHS grant number R01 ES014393 (PI: Robin Whyatt) Phthalate Exposure and Inner City Pediatric Asthma. \$1,893,830 total direct costs
- 2007-2012 Co-Investigator, NCI grant number 1R01CA127532-01 (PI: Frederica Perera, DrPH) Molecular Epidemiology and Lung Cancer: A Nested Case-Control Study. \$1,803,823 total direct costs
- 2008-2013 Co-Investigator, NICHD grant number 1R01HD058515-01 (PI: Bruce Link, PhD) A Lifecourse Approach to Emerging Health Disparities in a U.S. Birth Cohort. \$1,166,205 total direct costs.
- 2009-2013 Principal Investigator, NIDDK grant # 5R01DK079885-02. Neighborhood Environments and Disparities in Obesity Rates in New York City. \$1,125,981 total direct costs.
- 2009-2014 Co-Investigator, NIMH grant# R01MH085132-01. Risk of Depression, Neighborhood Characteristics, and Physical Activity.
- 2009-2014 Principal Investigator, Endocrine Disruptors & Obesity Among Inner-City Children, a R01 project within The Columbia Center for Children's Environmental Health, P01 ES009600 (Overall PI, Frederica Perera, DrPH). \$4,934,273 total direct costs.
- 2010-2013 Principal Investigator, NICHD grant# R21HD062965-01. Using Google Streetview to Measure Neighborhood Characteristics. \$456,863 total costs.
- 2011-2013 Principal Investigator, Contract from New York City Department of Health and Mental Hygiene's Communities Putting Prevention to Work Initiative Enhanced Evaluation Grant, funded by HHS ARRA funds, \$60,000 total costs.

Past Support

- 2001-2001 Principal Investigator, Herbert Irving Comprehensive Cancer Center. The Relationship Between Physical Activity, Plasma Glutathione Peroxidase Levels and Oxidative Damage Among Smokers - \$20,000 total direct costs.

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- 2001-2004 Principal Investigator, New York City Council Speaker's Fund for Public Health Research. Sedentary Lifestyle as a Risk Factor for Lung Cancer on Staten Island - \$277,779 total direct costs.
- 2002-2002 Principal Investigator, Herbert Irving Comprehensive Cancer Center. Physical Activity Levels as a Predictor of Mammographic Density - \$20,000 total direct costs.
- 2002-2003 Principal Investigator, Women at Risk. Physical Activity Levels as a Predictor of Blood Glutathione Levels among Women at High Risk of Breast Cancer - \$30,000 total direct costs.
- 2002-2005 Co-Investigator (PI: Dr. Ben Rybicki, Henry Ford Cancer Center, PI of Columbia Sub-contract: Deliang Tang) NIEHS grant # R01 ES011126-02S1. Determinants of PAH-DNA Adducts in Prostate Cancer - \$222,648 total direct costs.
- 2002-2006 Co-Investigator (PI: Judith Jacobson) NHLBI grant # 1R01HL068236. Endotoxin, Obesity, and Asthma in NYC Head Start - \$3,039,677 total direct costs.
- 2002-2007 Principal Investigator, NCI grant # 1-K07-CA92348-01A1. The Epidemiology of Physical Activity and Lung Cancer - \$623,550 total direct costs.
- 2003-2008 Principal Investigator U54 Research Project, NCI U54 CA101598-01. Assessment, Development and Validation of a Physical Activity Questionnaire in Three Ethnic Groups - \$810,000 total direct costs.
- 2005-2010 Principal Investigator, NIEHS grant # 5R01ES014229. Obesity, Physical Activity and Built Space in New York City. - \$1,060,105 total direct costs
- 2006-2008 Principal Investigator, Robert Wood Johnson Active Living Research. Observational Validation of Urban Design Measures for New York City. - \$50,000 total costs.
- 2007-2011 Co-Investigator, NIEHS grant # R01 ES014400 (PI: Matt Perzanowski) Risk Factors Accounting for Neighborhood Differences in Asthma Prevalence. \$1,997,287 total direct costs
- 2009-2010 Principal Investigator, NIEHS grant # R01ES014229-04S1. Partnerships for Environmental Public Health Administrative Supplement.
- 2009-2011 Principal Investigator, Robert Wood Johnson Active Living Research Round 8 Grant. Built Environment and Childhood Fitness and Overweight in New York City - \$248,958 total direct costs.
- 2009-2011 Principal Investigator, US Forest Service grant # 10-DG-11420004-010. The Urban Forest, Childhood Asthma and Community Air Quality Project. \$267,283 total costs.

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2009-2012      Consultant, DOD grant PC081626 (PI: Zeigler-Johnson). Multilevel Analysis of Neighborhood Characteristics and Prostate Cancer Outcomes. \$222,683 year 1 direct costs.

**Departmental and University committees:**

2001-2012      Mailman School of Public Health, Department of Epidemiology, Masters Student Committee, member.

2004-2005      Mailman School of Public Health, School Wide Masters Student Committee, member.

2010              Mailman School of Public Health, Valuing Teaching Task Force, member.

2010              Mailman School of Public Health, Calderone Award Review Committee, member.

2011-Present   Epidemiology Design Guidance and Expertise (EDGE) Program, Director.

2012-Present   Mailman School of Public Health, Department of Epidemiology, Curriculum Committee, member.

**Teaching experience and responsibilities:**

Courses Taught, Primary Instructor

2000-Present   P8432 Environmental Epidemiology, 10-20 students.

2011              EPIC Summer course, Computer Graphics and Data Visualization, 10 students.

Courses Directed

2008              Workshop on Molecular Epidemiology, Shanghai CDC, Shanghai China, Co-Director, 50 students.

Courses Taught, Preceptor or Lecturer

1998-Present   P8307 Molecular Epidemiology, Lecturer, 15-20 students.

2000-2005      Science Survey Course, Science and Environmental Reporting Program, New York University School of Journalism, Lecturer, 10-12 students.

2003              International Workshop of Molecular Epidemiology, Institute for Scientific Interchange Foundation, Turin Italy, Lecturer, 22 students.

2004              International Graduate School of Genetic and Molecular Epidemiology, Karolinska Institute, Sweden, Lecturer, 30 students.

2009              Short Course in Molecular Epidemiology: Biomarkers of exposure, susceptibility & disease, Centre for Epidemiology and Biostatistics, University of Leeds and Imperial College, United Kingdom, Lecturer, 30 students.

2009-Present   P8450 Clinical Epidemiology, Lecturer, 25 students.

2010              P8440 Cardiovascular Epidemiology, Lecturer, 25 students.

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2010-2012     P6300 Environmental Health Sciences Core Class, Lecturer, 300 students.

Graduate Student, Post-Doctoral, Junior Faculty Supervision and Mentoring  
Junior Faculty Mentoring

2010-Present   Gina Lovasi, Ph.D., Assistant Professor, Epidemiology

2011-Present   Megan Hall, Ph.D., Assistant Professor, Epidemiology

Post-Doctoral Mentoring

2005-2007     Mark Opler, Ph.D., Epidemiology; Current position: Assistant Professor  
NYU Medical Center.

2005-2006     James Gangwisch, Ph.D., Psychiatric Epidemiology Training Program;  
Current position: Assistant Professor New York State Psychiatric Institute.

2005-2006     Helen Kwon, Ph.D., Epidemiology, Kellogg Fellow; Current position:  
unknown

2006-2009     Gina Lovasi, Ph.D., R.W.J. Health and Society Scholar; Current position:  
Assistant Professor of Epidemiology, Mailman School of Public Health.

2009-2011     Michael Bader, Ph.D., R.W.J. Health and Society Scholar; Current  
position: Assistant Professor of Sociology, American University.

2011-Present   Michelle Maresca, M.D., Pediatrics Fellow, Columbia University Medical  
Center

Doctoral Sponsorship

Dissertation Sponsorship

2003-2007     Ai Kubo, Ph.D., Epidemiology, 2007; Dissertation: Dietary Factors and  
the Risk of Barrett's Esophagus. Current position: Staff Scientist, Kaiser  
Permanente Division of Research

2006-2009     Lina Titievsky, Ph.D., Epidemiology, 2010; Dissertation: Built  
environment and individual body mass index in NYC adults. Current  
position: Director, Epidemiology, Pfizer, Inc.

2007-2012     Russell McBride, Ph.D., Epidemiology, 2012 Awarded with Distinction;  
Dissertation: Obesity and Prostate Cancer – Bias and Biomarkers. Current  
position: Lecturer, Mount Sinai School of Medicine.

Dissertation Chair

2011             Catherine Richards, Epidemiology, Pending.

Dissertation Committee

2006             Julia Heck, Ph.D., Epidemiology

2007             Marian Olsen, Dr.P.H., Environmental Health Sciences

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2008	Rachel Sobell, Ph.D., Environmental Health Sciences
2008	Theresa Janevic, Ph.D., Epidemiology
2008	Megan Williams, Ph.D., Environmental Health Sciences
2011	Allan Just, Ph.D., Environmental Health Sciences
2011	Maria Argos, Ph.D. Epidemiology
2012	Keith Drake, Ph.D. Dartmouth College, The Dartmouth Institute
Pending	Ann Marie Reardon, Dr.P.H., Environmental Health Sciences

Masters Students

Thesis Supervision

2003	Eunpa Chai, M.P.H., Epidemiology
2003	Kendra Alyce Khawaja, M.P.H., Epidemiology
2004	Elizabeth Garduno, M.P.H., Epidemiology
2004	Ann Madsen, M.P.H., Epidemiology
2004	Sara Cabelli, M.P.H., Epidemiology
2005	Jen Chunn, M.P.H., Epidemiology
2006	Elizabeth Masters, M.P.H., Epidemiology
2006	Rachael Klein, M.P.H., Epidemiology
2006	Jason Lui, M.P.H., Epidemiology
2006	Wendy McDowell, M.P.H., Epidemiology
2006	Deborah Jones, M.P.H., Epidemiology
2008	Tara Kalra, M.P.H., Epidemiology
2008	Catherine Richards, M.P.H., Epidemiology
2009	Michelle Suwannukul, M.P.H., Epidemiology
2009	Todd Case, M.S., Epidemiology
2012	Jennifer Brite, M.P.H., Epidemiology
2012	Joshua Brooks, M.P.H., Epidemiology
2013	Liza Phillips, M.P.H., Epidemiology

**Other professional activities:**

Peer Reviewer (Journals)

American Journal of Health Promotion, Biochemical Pharmacology, Cancer Epidemiology Biomarkers & Prevention, Environmental Health Perspectives, Epidemiology, European Journal of Epidemiology, International Journal of Cancer, Journal of Applied Physiology, Journal of Occupational and Environmental Medicine,

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Journal of Urban Health, Journal of Urology, Molecular Carcinogenesis, Preventive Medicine and Social Science and Medicine.

Peer Reviewer (Funding agencies)

2005-2008 Italian Association for Cancer Research  
2006-2010 Robert Wood Johnson Active Living Research Program  
2007 The Prostate Cancer Charity  
2009-Present Research Grants Council of Hong Kong.  
2011-Present National Institute of Health, CIHB study section, member  
2012 Canadian Breast Cancer Foundation  
2012 The Executive Agency for Higher Education, Research, Development and Innovation Funding, Romania

Conference Organizing Committees

2009 American Society of Preventive Oncology, national conference  
2010 Best Practices and New Directions in Neighborhood Research, Columbia University

Governmental Advisory Panels

2006 National Cancer Institute. Workshop on the feasibility of a physical activity, weight control trial to prevent breast cancer: the State of the evidence and possible designs  
2007-2010 New York City Government. W.K. Kellogg Foundation - New York City Food and Fitness Initiative  
2008 National Cancer Institute/American Association for Cancer Research. Think Tank Conference on Energy Balance and Cancer; Mechanisms and Mediators

Corporate Advisory Panels

2006-Present Executive Health Exams, Inc. Medical Advisory Board  
2006-2007 Alliance for Wellness ROI, Inc.  
2006-Present Executive Health Exams, Inc. Life Extension Research Institute  
2010-Present Delos Living, Inc. Scientific Advisory Board

Speakers Bureau

2006-Present New York Presbyterian Hospital Cancer Prevention Program, Speakers Bureau



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Testimony

- 2009 New York City Council, Hearing on Access to Healthy Foods in New York City
- 2009 New York City Planning Commission, Hearings on Food Retail Expansion to Support Health (FRESH) zoning proposals

**Publications:**

Peer-Reviewed Articles

Published or In-Press

1. Perera, F.P., Estabrook, A., Hewer, A., Channing, K., Rundle, A., Mooney, L., Whyatt, R., Phillips, D.H. DNA damage from environmental carcinogens in human breast tissue. Cancer Epidemiology, Biomarkers and Prevention, Vol. 4, p233-238 April/May 1995.
2. Blackwood, A., Wolff, M., Rundle, A., Estabrook, A., Schnabel, F., Mooney, L., Rivera, M., Channing, K., Perera, F. Organochlorine compounds (DDE and PCBs) in plasma and breast cyst fluid of women with benign breast disease. Cancer Epidemiology, Biomarkers and Prevention, Vol 7, p579-583, 1998.
3. Tang, D.L., Rundle, A., Warburton, D., Santella, R.M., Tsai, W-Y., Chiamprasert, S., Y.Z. Hsu, Perera, F.P. Association between both genetic and environmental biomarkers and lung cancer: evidence of a greater risk of lung cancer in women smokers. Carcinogenesis, Vol 19, p1949-1953, 1998.
4. Rundle, A., Tang, D., Hibshoosh, H., Estabrook, A., Schnabel, F., Cao, W., Grumet, S., Perera, F. The relationship between genetic damage from polycyclic aromatic hydrocarbons in breast tissue and breast cancer. Carcinogenesis, Vol 21, 1281-9, 2000. \*
5. Rundle, A., Tang, D., Zhou, J., Cho, S., Perera, F. The association between glutathione s-transferase-M1 genotype and polycyclic aromatic hydrocarbon-DNA adducts in breast tissue. Cancer Epidemiology, Biomarkers and Prevention, Vol 9, 1079-85, 2000. \*
6. Rundle, A., Tang, D., Hibshoosh, H., Schnabel, F., Kelly, A., Levine, R., Zhou, J., Link, B., Perera, F. molecular epidemiologic studies of polycyclic aromatic hydrocarbon-DNA adducts and breast cancer. Environmental and Molecular Mutagenesis, Vol 39, 201-7, 2002. \*
7. Rundle, A., Tang, D., Brandt-Rauf, P., Zhou, J., Kelly, A., Schnabel, F., Perera, P. Association between the Ras p21 oncoprotein in blood samples and breast cancer. Cancer Letters, Vol 185, 71-8, 2002. \*

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8. Tang, DT., Cho, S., Rundle, A., Chen, S., Zhou, J., Hsu, Y., Schnabel, F., Estabrook, A., Perera, F. Polymorphisms in the dna repair enzyme XPD are associated with levels of PAH-DNA adducts and breast cancer risk in a case-control study. *Breast Cancer Research and Treatment*, Vol 75, 159-66, 2002.
9. Perera, R., Mooney, L., Stampfer, M., Phillips, D., Bell, D., Rundle, A., Cho, S., Tsai, WY., Ma, J., Blackwood, A., Tang, D. Associations between carcinogen-DNA damage, glutathione s-transferase genotypes, and risk of lung cancer in the prospective Physicians' Health Cohort Study. *Carcinogenesis*, Vol 10, 1641-6, 2002.
10. Tang, D., Rundle, A., Mooney, L., Cho, S., Schnabel., F, Estabrook, A., Kelly, A., Levine, R., Hibshoosh, H., Perera,. A. Sulfotransferase 1A1 (SULT1A1) polymorphism, PAH-DNA adduct levels in breast tissue and breast cancer risk. *Breast Cancer Research and Treatment*, Vol 2, 217-22, 2003.
11. Rundle, A., Schwartz, S. Issues in the epidemiologic analysis and interpretation of intermediate biomarkers. *Cancer Epidemiology Biomarkers and Prevention*, Vol. 12, 491-6, 2003. \*
12. Ahsan, H., Rundle, A. Measures of genotype vs. gene products: promise and pitfalls in cancer prevention. *Carcinogenesis*, Vol, 24, 1229-34, 2003.
13. Rundle, A., Tang, D., Mooney, L., Grumet, S., Perera, F. The interaction between alcohol consumption and GSTM1 genotype on PAH-DNA adduct levels in breast tissue. *Cancer Epidemiology Biomarkers and Prevention*, Vol, 12, 911-4, 2003. \*
14. Li, Y., Marion, MJ., Rundle, A., W Brandt-Rauf, P. A common polymorphism in XRCC1 as a biomarker of susceptibility for chemically induced genetic damage. *Biomarkers*. Vol, 8, 408-12, 2003.
15. Gatto, N., Campbell, U., Rundle, A., Ahsan, H. Further development of the case-only design for assessing gene-environment interaction: Evaluation of and adjustment for bias. *International Journal of Epidemiology*, Vol. 33, 1014-24, 2004.
16. Rybicki, B., Rundle, A., Savera, A., Sankey, S., Tang, D. Polycyclic aromatic hydrocarbon-DNA adducts in prostate cancer. *Cancer Research*, Vol. 64, 8854-9, 2004.
17. Rundle, A. Molecular epidemiology of physical activity and cancer. *Cancer Epidemiology Biomarkers and Prevention*, Vol. 14, 227-36, 2005. \*
18. Rundle, A., Vineis, P., Ahsan, H. Design options for molecular epidemiology research within cohort studies. *Cancer Epidemiology Biomarkers and Prevention*, Vol 14, 1899-907, 2005. \*

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19. Chun J., Joseph KA., El-Tamer M., Rundle A., Jacobson J., Schnabel F. Cohort study of women at risk for breast cancer and gross cystic disease. *American Journal of Surgery*, Vol 190, 583-587, 2005.
20. Rundle, A., Orjuela, M., Mooney, L., Tang, D., Kim, M., Calcagnotto, Richie, J., Perera, F. Moderate physical activity is associated with increased blood levels of glutathione among smokers. *Biomarkers*, Vol 10, 390-400, 2005. \*
21. Rybicki, B., Nock, N., Savera, A., Tang, D., Rundle, A. Polycyclic aromatic hydrocarbon-DNA adduct formation in Prostate Carcinogenesis. *Cancer Letters*, Sept, 2005.
22. Gangwisch, J., Heymsfield, S., Boden-Albala, B., Buijs, R., Kreier, F., Pickering, T., Rundle, A., Zammit, G., Malaspina, D. Short Sleep Duration as a risk factor for hypertension: Analyses of the NHANES I. *Hypertension*, Vol. 47, 833-9, 2006.
23. Steindorf, K., Friedenreich, C., Linseisen, J., Rohrmann, S., Rundle, A., Veglia F, Vineis P, Johnsen NF, Tjonneland A, Overvad K, Raaschou-Nielsen O, Clavel-Chapelon F, Boutron-Ruault MC, Schulz M, Boeing H, Trichopoulou A, Kalapothaki V, Koliva M, Krogh V, Palli D, Tumino R, Panico S, Monninkhof E, Peeters PH, Boshuizen HC, Bueno-de-Mesquita HB, Chirlaque MD, Agudo A, Larranaga N, Quiros JR, Martinez C, Barricarte A, Janzon L, Berglund G, Bingham S, Khaw KT, Key TJ, Norat T, Jenab M, Cust A, Riboli E. Physical activity and lung cancer risk in the European Prospective Investigation into Cancer and Nutrition (EPIC) cohort. *International Journal of Cancer*, Vol. 119, 2389-97, 2006.
24. Rundle, A., Carcinogen-DNA adducts as a biomarker for cancer risk. *Mutation Research*, Vol. 600, 23-36, 2006. \*
25. Miller, T., Rauh, V., Glied, S., Hattis, D., Rundle, A., Andrews, H., Perera F. The economic impact of early life environmental tobacco smoke exposure: early intervention for developmental delay. *Environ Health Perspect*, Vol 114, 1585-8, 2006.
26. Rundle, A., Roux, AV., Freeman, L., Miller, D., Neckerman, K., Weiss, CC. The urban built environment and obesity in New York City: A multilevel analysis. *American Journal of Health Promotion*, Vol. 21 (4 Suppl), 326-34, 2007. \*
27. Aryeh D. Stein, A., Kahn, H., Rundle, A., Zybert, P., de Bruin, K., Lumey, L. Anthropometry in middle age following exposure to famine during gestation: evidence from the Dutch famine. *American Journal of Clinical Nutrition*. Vol. 85, 869-76, 2007.
28. Tang, D., Liu J., Rundle, A., Neslund-Dudas, C., Savera, A., Bock, C., Nock, N., Yang, J., Rybicki, B. Grilled meat consumption and PhIP-DNA adducts in prostate

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- carcinogenesis. *Cancer Epidemiology Biomarkers and Prevention*. Vol. 16, 803-8, 2007.
29. Nock, N., Tang, D., Rundle, A., Neslund-Dudas, C., Savera, J., Bock, C., Yang, J., Rybicki, B. Associations between Smoking, Polymorphisms in Polycyclic Aromatic Hydrocarbon (PAH) Metabolism and Conjugation Genes and PAH-DNA Adducts in Prostate Tumors Differ by Race. *Cancer Epidemiology Biomarkers & Prevention*. Vol 16, 1236-45, 2007.
  30. Tang, D., Liu J., Bock, C., Neslund-Dudas, C., Rundle, A., Savera, A., Yang, JJ, Nock, N., Rybicki, B. Racial differences in clinical and pathological associations with PhIP-DNA adducts in prostate. *International Journal of Cancer*, Vol 121, 1319-24, 2007.
  31. Rundle, A., Madsen, A., Orjuela, M., Mooney, L., Tang, D., Kim, M., Perera, F. The association between Benzo[a]pyrene-DNA adducts and body mass index, calorie intake and physical activity. *Biomarkers*, Vol 12, 123-32, 2007\*.
  32. Neslund-Dudas, C., Bock, C., Nock, N., Yang, J., Rundle, A., Tang, D., Rybicki, B. SRD5A2 and HSD3B2 Polymorphisms are associated with prostate cancer risk and aggressiveness. *Prostate*, Vol. 67, 1654-1663, 2007.
  33. Rundle, A., Hagins, M., Orjuela, M., Mooney, L., Kim, M., Perera, F. Traditional physical activity indexes derived from the Harvard Alumni Activity Survey have low construct validity in a lower income, urban population. *Journal of Urban Health*, Vol 84, 722-32, 2007\*
  34. Hagins, M., Pappas, E., Kremenec, I., Orishimo, K., Rundle, A. The effect of an inclined landing surface on biomechanical variables during a jumping task. *Clinical Biomechanics*, Sept, 2007.
  35. Gangwisch, J., Heymsfield, S., Boden-Albala, B., Buijs, R., Kreier, F., Pickering, T., Rundle, A., Zammit, G., Malaspina, D. Age differences in the association between sleep duration and diabetes incidence in a large U.S. sample. *Sleep*, Vol 30, 1667-73, 2007.
  36. Jacobson, J., Mellins, R., Garfinkel, R., Rundle, A., Perzanowski, M., Chew, G., Andrews, H., Goldstein, I. Asthma, body mass, gender, and Hispanic national origin among 517 preschool children in New York City. *Allergy*, Vol 63, 87-94, 2008.
  37. Schmitz, KH., Warren, M., Rundle, A., Williams, NI., MD Gross, MD., Kurzer, MS. Effects of exercise on oxidative stress, estrogens, and body size among young women. *Cancer Epidemiology Biomarkers and Prevention*, Vol 17, 220-3, 2008.
  38. Rundle, A., Neugut, A. Obesity and screening PSA levels among men undergoing an annual physical exam. *The Prostate*, Vol 68, 373-80, 2008\*.

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39. Rybicki, BA., Neslund-Dudas C., Bock, CH., Rundle, A., Savera, AT., Yang, JJ., Nock, NL., Tang, D. Polycyclic aromatic hydrocarbon-DNA adducts in prostate and biochemical recurrence after prostatectomy. *Clinical Cancer Research*, Vol 14, 750-7, 2008.
40. Hagins, M., McDowell, W., Rundle, A. Does practicing Hatha yoga satisfy recommendations for intensity of physical activity which improves and maintains health and cardiovascular fitness? *BMC Complementary and Alternative Medicine*, Vol 7, 2007
41. Rundle, A., Richards, C., Perera, F., Tang, D. Lack of association between physical activity in smokers and plasma glutathione peroxidase levels. *Cancer Epidemiology Biomarkers and Prevention*, Vol62, 647-9, 2008\*.
42. Rundle, A., Lebwohl, B., Vogel, R., Levine, S., Neugut, A. Colonoscopic screening in average risk individuals ages 40 to 49 versus 50 to 59 years. *Gastroenterology*, Vol 134, 1311-5, 2008.\*
43. Park, Y., Weiss, C. Freeman, L., Quinn, J., Neckerman, K., Rundle, A. Immigration, acculturation and body mass index in New York City: the roles of personal and neighborhood characteristics. *International Journal of Behavioral Nutrition and Physical Activity*, Vol 5, 2008.\*
44. Lovasi, G., Quinn, J., Neckerman, K., Perzanowski, M., Rundle, A. Children living in areas with more street trees have lower asthma prevalence. *Journal of Epidemiology and Community Health*, Vol 62, 647-9, 2008.\*
45. Gangwisch JE, Heymsfield SB, Boden-Albala B, Buijs RM, Kreier F, Opler MG, Pickering TG, Rundle AG, Zammit GK, Malaspina D. Sleep duration associated with mortality in elderly, but not middle-aged, adults in a large US sample. *Sleep*. Vol 31,1087-96, 2008.
46. Williams, M., Rundle, A., Holmes, D., Reyes, M., Hoepner, L., Barr, D., Camann, D., Perera, F., Whyatt M. Changes in pest infestation levels, self-reported pesticides use and permethrin exposure during pregnancy following the 2000-01 US EPA restriction of organophosphates, *Environmental Health Perspectives*, Vol 116, 1681-8, 2008.
47. Rundle, A., Field, S., Park, Y., Freeman, L., Liu, S-M, Quinn, J., Weiss, C., Neckerman, K. Personal and neighborhood socio-economic status and body mass index in New York City. *Social Science and Medicine*, Vol 67, 1951-8, 2008\*.
48. Rundle, A., Neckerman, K., Freeman, L., Lovasi, G., Purciel, M., Quinn, J., Richards, C., Sircar, N., Weiss, C. Neighborhood Food Environment and Walk-

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- ability Predict Obesity in New York City. *Environmental Health Perspectives*, Vol. 117, 442-7, 2009.\*
49. Rundle, A., Richards, C., Neugut, A. Body composition, abdominal fat distribution and PSA test results. *Cancer Epidemiology Biomarkers Prevention*, Vol 18, 331-6, 2009.\*
  50. Lovasi, G., Neckerman, K., Quinn, J., Weiss, C., Rundle, A. Effect of individual or neighborhood disadvantage on the association between neighborhood walkability and body mass index. *American Journal of Public Health*, Vol 99, 279-84, 2009\*.
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3. Rundle, A., Jankowski, M., Oleksandr, N., Tang, D., Rybicki, B. Obesity and prostate cancer risk: a prospective study of high risk men. Cancer Epidemiology Biomarkers and Prevention, submitted 2012\*.
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Patents/Intellectual Property

1. Rundle, A., Bader, M., Mooney, S. System, Device and Methods for Selecting Map Segments from a Sample Plan. Provisional Application for a Patent 2012.

Book Chapters

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1. Rundle, A., Ahsan, H., Molecular Epidemiologic Studies Nested within Cohorts. In Molecular Epidemiology of Chronic Disease. Edited by Wild, C., Vineis, P., Garte, S. John Wiley & Sons, Ltd, London. 2008.\*
2. Rundle, A. Mechanisms Underlying the Effects of Physical Activity on Cancer. In Physical Activity, Dietary Calorie Restriction and Cancer. Edited by Anne McTiernan. Springer Science, New York. 2010.\*
3. Neckerman, K., Purciel, M., Quinn, J., Rundle, A. Urban Design Qualities in New York City. In Measuring Urban Design. Edited by Reid Ewing and Otto Clemente. Island Press, Washington, DC. 2012.

Letters to the Editor

1. Perera F., Rundle A. Correspondence re: Gammon et al, Environmental toxins and breast cancer on Long Island. I. Polycyclic aromatic hydrocarbon DNA adducts. 11, 677-685, 2002. Cancer Epidemiology Biomarkers & Prevention. Vol 1, 75 2003.
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4. Cereijido, A, Richards, C., Rundle, A. Correspondence re: “The Joy of Cooking Too Much: 70 years of calorie increases in Classic Recipes”. Annals of Internal Medicine, epub, September 2009\*.

Lay/Practitioner Publications

1. Rundle, A. Adapting molecular epidemiologic approaches to the study of physical activity and cancer. American College of Sports Medicine’s Certified News. Vol 17, 7-9.\*

Illustrations

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2. Figures 2.5, 4.5 and 7.1 in What's the Risk? A Guide to Environmental Health Hazards. Goldstein, I., and Goldstein, M., Oxford University Press, 2001

Multimedia

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2. Rundle, A., Aflatoxin Carcinogenesis. Interactive CD-Rom. Mailman School of Public Health, P8432 Environmental Epidemiology, 2000\*.
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4. Rundle, A., Brandt-Rauf, P., P53 Wildtype-Mutant Protein Conformation Morph. A Sterio-scopic 3-Dimensional Film. Digital Video. Mailman School of Public Health, P8432 Environmental Epidemiology, 2001\*.
5. Rundle, A. Carcinogen and DNA Animation and Graphics for Bill Moyers Documentary, PBS, May 10<sup>th</sup>, 2002\*.
6. Cereijido, F., Rundle, A. Mahler Y Leche. Four Video Installations. Solo show at Centro Cultural Borges, Buenos Aires, 2003.
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8. Rundle, A., Cereijido, F. Vectors of Fate. Video shown on Public Television, Buenos Aires, 2005.\*
9. Cereijido, F., Rundle, A., Travel by Milk: Tijuana. Video installation. Permanent collection of the La Jolla Museum of Contemporary Art, 2006.
10. Cereijido, F., Rundle, A., Travel by Milk: Detroit. Video installation. Group show at 555 Gallery, Detroit, Michigan, 2006.
11. Rundle, A., Cereijido, F. Sumo Y Leche. Shown as part of Renmora at M&A (Materials and Applications), Los Angeles, California, 2008.\*
12. Rundle, A., Cereijido, F. Sumo Y Leche. Shown as part of Al Df en Leche, at Universidad Del Claustro De Sor Juana, Mexico City 2009.\*

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13. Cereijido, F., Rundle, A., Travel by Milk: Tijuana. Video installation. Shown as part of Al DF en Leche, at Universidad Del Claustro De Sor Juana, Mexico City 2009.
14. Rundle, A. Development of air spaces in the human lung. Digital video. Thoracic Society Annual Meeting 2009.\*

**Invited presentations:**

1. A Molecular Epidemiologist's Journey: from Chemical Carcinogens to Physical Activity. Derald H. Ruttenberg Cancer Center, Mount Sinai School of Medicine, Oct 2002.
2. Primer on Epidemiology for laboratory scientists. Sixth International Course of Molecular Epidemiology. Torino, Italy. December 2003.
3. Gene-Environment Interactions. Sixth International Course of Molecular Epidemiology. Torino, Italy. December 2003.
4. Misclassification and Sample Size. Sixth International Course of Molecular Epidemiology. Torino, Italy. December 2003.
5. Physical Activity, Blood Glutathione and Lung Cancer. GEN-AIR VII Investigators Meeting, International Agency for Research on Cancer. Torino, Italy, December 2003.
6. Advanced Study Design. International Graduate School of Genetic and Molecular Epidemiology. Karolinska Institute, Stockholm, Sweden. March 2004
7. Advanced Statistical Analyses. International Graduate School of Genetic and Molecular Epidemiology. Karolinska Institute, Stockholm, Sweden. March 2004
8. Molecular Epidemiology: Theory and Examples from Breast Cancer. Hospital Italiano de Buenos Aires. Buenos Aires, Argentina. April 2004.
9. Molecular Epidemiology of Physical Activity and Cancer. Imperial College of London. London, England, November 2004.
10. Design Options for Biomarker Studies within Large Cohort Studies. Imperial College of London. London, England, November 2004.
11. Physical Activity and Obesity Research: an Urban Perspective. Mailman School of Public Health, Department of Epidemiology Seminar Series, February, 2005

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12. The Molecular Epidemiology of Physical Activity and Cancer. Albert Einstein School of Medicine, New York, March 2005.
13. The Urban Environment: Physical Activity & Obesity – Just how much of a risk for cancer? American Cancer Society, National Minority Cancer Awareness Week, April 2005.
14. Physical Activity and Obesity Research: an Urban Perspective. Department of Epidemiology, University of Michigan, Michigan, October 2005.
15. Physical Activity and Obesity Research: an Urban Perspective. Henry Ford Cancer Center, Detroit, Michigan, October 2005.
16. The epidemic of overweight among New York City children: Research on physical activity and body size in Head Start. The 2005 Lucille N. Austin Lecture. Columbia University School of Social Work, New York, December 2005.
17. The urban built environment and obesity in New York City: A multilevel analysis. Robert Wood Johnson Active Living Research Conference Plenary Session, San Diego, California, April 2006.
18. The built environment and body mass index in New York City. American Institute of Architecture, Fit City Conference, New York City, New York, May 2006.
19. Weight gain upon entering college: The Freshman 15 (or more)? New York Institute of Technology. Old Westbury, New York, June 2006.
20. Obesity and Prostate Cancer Prognosis and Survival. Roswell Park Cancer Institute. Buffalo, New York, July 2006
21. The Obesity Epidemic in New York City: Physical Activity in Kids and Obesity in Adults. Lehman College, New York, NY Sept 2006
22. Obesity, Exercise & Cancer. Metropolitan Transit Authority, Wellness Forum, New York, NY Nov 2006.
23. Obesity, Exercise & Cancer. American Express, Wellness Forum, New York, NY Jan 2007.
24. Built and Social Characteristics of Neighborhoods and Body Size Among Residents of New York City. University of North Carolina, Chapel Hill, North Carolina, March 2007
25. Analyses of Physical Activity, Biomarkers and Lung Cancer Risk Among Non- and Ex-smokers in EPIC. Imperial College, London, England, April 2007



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26. Urban Design, Sprawl and Body Size Among Residents of New York City. International Forum on Public Health, Shanghai, China, December 2007.
27. Analyses of Case-Only Study Designs. Shanghai Medical School, Shanghai, China, December 2007.
28. Obesity, Exercise & Cancer. NY Life, Employee Wellness Seminar, New York, NY Jan 2008.
29. Neighborhood Environment and Health. New York City Department of Health and Mental Hygiene Annual Staff Meeting, New York City, June 2008.
30. Advanced Epidemiologic Study Design. Molecular Epidemiology Workshop, Shanghai Centers for Disease Control, Shanghai, China, December 2008.
31. Obesity and neighborhood built and social environments: Chinese boxes and eco-epidemiology. Moores Comprehensive Cancer Center, San Diego, March 2009.
32. Neighborhood social and built environments and obesity in New York City. New York Academy of Medicine, New York City, September 2009.
33. Using Biomarkers in Nested Case-Control and Case-Cohort Studies. Imperial College, London, England, October 2009.
34. Using Google Street View to Implement Community Audit Tools: The Pedestrian Environment Data Scan. Active Living Research Conference, San Diego, February 2010.
35. The Epidemic of Childhood Obesity: Individual, Environmental, and Social Causes. Child and Adolescent Psychiatry, Grand Rounds, Columbia University/ New York State Psychiatric Institute, New York, NY February 2010.
36. Neighborhood Social and Built Environments and Health. Million Trees NYC Research Symposium, New York NY, March 2010.
37. Aspirations for Healthy Food Among Hispanic Immigrants: The NYC Experience. Shopping for Health Conference, University of Washington, Seattle, WA, May 2010.
38. Using Google Street View to Measure Neighborhood Conditions (with Dr. Teitler). Best Practices and New Directions in Neighborhood Research Conference, Columbia University, New York, NY, October 2010.
39. The Hunger/Obesity Paradox. NYC Emergency Food Program Advocacy Conference. New York, NY, October 2010.

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40. Prenatal Exposures to Endocrine Disruptors (with Drs. Perera and Oberfield). Pediatric Grand Rounds, Columbia University Medical Center, New York, NY October 2010.
41. Neighborhood Built and Social Environments and Health: Moving beyond census variables to describe contexts. Henry Ford Health System, Detroit, MI. March 2011.
42. Nested Case-Control and Case-Cohort Study Design and the use of Biomarkers. Henry Ford Health System, Detroit, MI. March 2011.
43. Obesity, Exercise & Cancer. American Express, Wellness Lunch, New York, NY Jul 2011.
44. Prenatal Exposure to Polycyclic Aromatic Hydrocarbons and Childhood Obesity. University of Illinois at Chicago School of Public Health, Chicago, IL October 2011.
45. Multi-level Approaches to the Study of Endocrine Disrupting Pollutants and Childhood Obesity. University of Massachusetts Amherst, Amherst, MA February 2012.
46. Designing Cities to Fight Obesity. New York University, New York City, NY, May 2012.
47. Neighborhood walkability and physical activity and obesity: Translating research into action. National Organization of City transportation Officials annual meeting, New York City, NY, Oct 2012.