

CURRICULUM VITAE

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EDUCATION

Brooklyn College	B.S. Chemistry	1969
Univ. of Massachusetts	M.S. Organic Chemistry	1971
City Univ. of New York	Ph.D. Biochemistry	1976

EXPERIENCE

2018-2021 Vice Dean for Faculty Affairs
2012-2018 Vice Dean for Faculty Affairs and Research
2005-present Co-Leader, Cancer Population Science Program, Herbert Irving Comprehensive Cancer Center
2000-2018 Director, NIEHS Center for Environmental Health in Northern Manhattan, School of Public Health
2000-2001 Chair, Molecular Epidemiology Working Group of the American Association for Cancer Research
1992-present Director, Biomarkers Core Facility, Herbert Irving Cancer Center
1992-2005 Director, Carcinogenesis Program, Herbert Irving Cancer Center
1998-2000 Deputy Director, NIEHS Center for Environmental Health in Northern Manhattan
1996-present Chair, Molecular Epidemiology Committee, Southwest Oncology Group
1990-1996 Associate Professor with tenure, School of Public Health, Columbia University
1983-1990 Assistant Professor, School of Public Health, Columbia University
1977-1982 Staff Associate, Institute of Cancer Research, Columbia University College of Physicians & Surgeons
1977-1982 Research Instructor, Dept. of Microbiology, New York Medical College
1972-1976 Teaching Assistant, Dept of Chemistry, Brooklyn College
1971-1972 Research Associate, Dept. of Pharmacology, Downstate Medical Center

PROFESSIONAL SOCIETY MEMBERSHIPS

Sigma Xi
American Chemical Society
American Association of Cancer Research
Harvey Society
Women in Cancer Research

RESEARCH INTERESTS

Molecular epidemiology and biological monitoring
Development of immunologic methods to monitor human exposure to chemical carcinogens utilizing monoclonal antibodies to carcinogens and carcinogen-DNA and protein adducts
Immunohistochemical techniques for adduct localization
Genetic susceptibility
Epigenetics in cancer susceptibility

EDITORIAL BOARDS

1999-2003 Associate Editor *Cancer Epidemiology Biomarkers & Prevention*
2003-2006 Senior Editor *Cancer Research*
2009-2015 Editorial Review Board *Environmental Health Perspectives*
2015-2020 Editorial Board *Journal of Clinical and Translational Hepatology*

HONORS

1994-98 Member of Metabolic Pathology Study Section
2001-2002 Chair, Molecular Epidemiology Group, American Association for Cancer Research
2006-2007 Avon Foundation-AACR Scholar Host for Avon Foundation-AACR International Scholar Awards in Breast Cancer Research

ADVISORY OR PEER REVIEW COMMITTEES

- 1990: American Cancer Society Ad Hoc grant review committee
 1991: National Cancer Institute Ad Hoc Contracts Technical Review
 NIEHS Superfund Grant Review Committee
 EPA Grant Review
 Netherlands Cancer Institute Grant Review
 1992: National Institute on Aging Ad Hoc review committee
 American Cancer Society grant review
 1993: National Institute of Environmental Health Science Ad Hoc site review committee
 NIH Ad Hoc member Toxicology study section
 NIH Ad Hoc member Metabolic Pathology study section
 1994-1998 Member NIH Metabolic Pathology Study Section
 1996: NIH Ad Hoc member Environmental Health Sciences Review Committee
 NIH Health Effects Institute AD Hoc Grant Review
 1996-2001 External Advisory Committee, Mt. Sinai Medical Center NIEHS Superfund Research Program
 1999: NIH Ad Hoc member Subcommittee E
 2000-present NIH Ad Hoc reviewer
 2000-2003 External Advisory Committee, American Health Foundation, Cancer Center
 2002: External Advisory Committee, NYU Program Project
 2002: External Review Committee, Division of Environmental and Occupational Health, School of Public Health, University of Minnesota
 2003-present: External Advisor, NIEHS Center Harvard University
 2005: Institute of Medicine Ad hoc Committee on the Disposition of the Air Force Health Study
 2006-2008: NIEHS Ad Hoc Reviewer ONES grants; NIEHS Special Emphasis Panel
 2007: NIH Office of Dietary Supplements Roundtable Discussion on Vitamin D Research Priorities
 2010-present AACR/Love Army of Women Scientific Review Board

INVITED CONFERENCES AND COMMITTEES

- 1982: 2nd International Conference on Mutagenic and Carcinogenic N- substituted Aryl Compounds, Hot Springs, AR
 Cold Spring Harbor Symposium on "Structures of DNA", Cold Spring, NY
 1983: Environmental Mutagenesis Subcommittee Meeting on DNA Adducts as Dosimeters of Human Exposure,
 Environmental Mutagen Society, Washington, D.C.
 1984: Panel Member, DOE-OHER Workshop on Occupational Health Research, Oak Ridge National Laboratories,
 Union Carbide Corp., Knoxville, TN
 Environmental Mutagen Society Satellite Meeting on Methods and Applications of Molecular Epidemiology in
 Genetic Toxicology, Montreal, Canada
 EPA-NIEHS Symposium on DNA Adducts: Dosimeters to Monitor Human Exposure to Environmental Mutagens
 and Carcinogens, Research Triangle Park, NC
 1985: National Bureau of Standards: Mechanisms of DNA Damage and Repair, Implications for Carcinogenesis and
 Risk Assessment, Gaithersburg, MD
 Presentation to the National Academy of Sciences Committee on Toxicology, Woods Hole, MA
 "Carcinogenicity of Alkylating Cytostatic Drugs" German Cancer Research Center, Heidelberg, Germany
 1986: Workshop on Carcinogenesis and Adducts in Animals and Humans, Bio- Research Inst, Boston, MA
 Workshop on Measurement and Characterization of DNA Adducts, Dept of Energy, Rockville, MD
 International Symposium on Biochemical and Cellular Indices of Human Toxicity in Occupational and
 Environmental Medicine Milan, Italy
 NIEHS Workshop on DNA adducts, Banbury Center, Cold Spring Harbor, Cold Spring Harbor, NY
 International School, Environmental Health, Italian Department of Environmental Protection, Trevignano Romano,
 Italy
 1987: Third International Conference on Carcinogenic and Mutagenic N-Substituted Aryl Compounds, Detroit, MI
 International Agency for Research on Cancer Conference on "Methods for Detecting DNA-Damaging Agents in
 Humans: Application in Cancer Epidemiology and Prevention", Helsinki, Finland
 International Symposium on Genetic Toxicology, Calcutta, India
 1988: Bioelectromagnetics Society Annual Meeting Tutorial Lecture: Molecular Mechanisms of Tumor Initiation and
 Promotion, Stamford, CT
 Health Effects Advisory Committee, Electric Power Research Institute, San Francisco, CA
 Sci-Tech Center at Liberty State Park Content Advisory Board for Environmental Science, Jersey City, NJ
 1989: Panel on Effects of Extremely Low Frequency Electromagnetic Radiation National Research Council,
 Washington, DC

- Fifth International Conference on Environmental Mutagens (ICEM), Cleveland, OH
 Basic Mechanisms of Mutation, Fifth ICEM Satellite Meeting, Toronto, Canada
 Genetic Toxicology of Complex Mixtures, Fifth ICEM Satellite Meeting, Washington, DC
 Biomonitoring and Carcinogen Risk Assessment, Cambridge England
 Psoralen Photobiology, Yale University, New Haven, CT
 12th International Symposium on Polycyclic Aromatic Hydrocarbons, Gaithersburg, MD.
 Symposium on DNA Damage and Repair, Brookhaven National Laboratories, Upton, NY.
 3rd International Conference on Anticarcinogenesis and Radiation Protection, Dubrovnik, Yugoslavia.
 Immunoassays for Monitoring Human Exposure to Toxic Chemicals in Food and The Environment, PACIFICHEM '89, Honolulu, HA
- 1990: Fourth International Symposium on Biological Reactive Intermediates Tucson, AZ
 Frontiers of Environmental Health: Biotechnology and Molecular Biology Univ Connecticut Center for Environmental Health, Storrs, CT
- 1991: Program Committee, American Association of Cancer Research
 Federation American Societies for Experimental Biology
 Symposium on Human Biomonitoring, Atlanta, GA
 National Research Council Committee on an assessment of the possible health effects of Ground Wave Emergency Network (GWEN)
 University of North Carolina Workshop on Current Perspectives on the Measurement of Hemoglobin Adducts in Humans, Chapel Hill, NC
 Symposium on Health Risk Assessment and Surveillance in the Industrial Setting, Taipei, Taiwan, Republic of China
 Hazardous Waste Health Risks, SCOMSEC, Cairo, Egypt.
 Environmental Carcinogenesis and its Prevention: The Head and Neck Cancer Model, Hershey, PA
- 1992: General Motors Advances in Cancer Research, Boston, MA
 European Optical Society, Berlin, Germany
- 1993: Environmental Mutagen Society, Norfolk, VA
 Society of Toxicology, Mid-Atlantic Chapter Fall Symposium on The Use of Biological Markers in Human Exposure Assessment, New Brunswick, NJ
- 1995: National Toxicology Program, Washington DC
 Ad Hoc Working group of the National Toxicology Program Board of Scientific Counselors
- 1996: Institute of Occupational Health, Catholic University, Rome Italy
 Program Committee American Association for Cancer Research
 International Society for Preventive Oncology 3rd International Symposium Impact of cancer Biotechnology Diagnostic and Prognostic Indicators
- 1997: Chemical Carcinogenesis and Biomonitoring Short Course, Center for Research in Oncology, Catholic University, Rome, Italy
 Biomarkers-the Genome and the Individual, Charleston, SC
 Ninth Annual Conference of the International Society for Environmental Epidemiology Taipei, Taiwan
 The Diagnosis and Treatment of Hepatic Neoplasms, NYU, NY
- 1998: Hot Topics in Hepatology & Hepatobiliary Malignancies, Orlando Florida
- 1999: Society of Toxicology, Molecular Epidemiology Symposium, New Orleans, LA
 First International Chicago Symposium on Malignancies of the Head & Neck Chicago, IL
 Women in Science Symposium Rutgers University, New Brunswick, NJ
 International Society of Environmental Epidemiology Symposium Biomarkers and molecular epidemiology in risk assessment Athens, Greece
- 2000: Biologic Markers of Carcinogen Exposure, Japanese Society of Cancer Molecular Epidemiology, Tokyo, Japan
 Recent Advances in Molecular Markers for Carcinogenesis and Chemoprevention, Korean Society of Toxicology/ Environmental Mutagens and Carcinogens Seoul, Korea
 Functional genomics, proteomics and high throughput technologies: tools for the 21st century Wayne State University, Detroit MI
 Chemical Perspectives on Human Cancer Pacificchem International Congress Honolulu Hawaii
 Continuing Education Course on Molecular Epidemiology, Society of Toxicology, Philadelphia, PA
- 2001: Biomarkers of Chemical Exposure Course, Catholic University, Rome, Italy
 HEI Air Toxics Research Planning Workshop, Health Effects Institute, Washington, DC
 Genetic Susceptibility to Prostate Cancer Workshop, National Cancer Institute, Columbia MD
 Chemoprevention & Molecular Epidemiology, UCLA Jonsson Comprehensive Cancer Center, Los Angeles CA
 Carcinogen-DNA and protein adducts as markers of exposure and risk" Mid-Atlantic Society of Toxicology Fall Scientific Meeting, Iselin, New Jersey
 IASLC 3rd International Conference on Prevention and Early Detection of Lung Cancer Reykyavik Iceland
 IARC Workshop on Mechanistic Considerations in the Design and Interpretation of Molecular Epidemiologic Studies of Cancer, Lyon France
 International Symposium on Molecular Basis for Cancer Chemo- and Immuno-Prevention, Shanghai, China

- 2002: NCI conference Risk Identification and Reduction Strategies involving Modulation of Glutathione S-transferase (GST) Isoforms, Bethesda MD
IARC Molecular Epidemiology Course, New York
- 2003: Molecular epidemiology Working Group-American Association for Cancer Research, Waikoloa, Hawaii
Gordon Research Conference Cancer Genetics and Epigenetics, Ventura, CA
NIOSH Applying Biomarkers to Occupational Health Practice, Santa Fe, NM
10th World Conference on Lung Cancer, Vancouver Canada
AACR Special Conference SNPs, Haplotypes and Cancer: Applications in Molecular Epidemiology, Key Biscayne FL
NCI Conference Validation of a Causal Relationship: Criteria to Establish Etiology, Washington, DC
- 2004: International Congress of Toxicology Satellite Meeting on Molecular Epidemiology-Linking Toxicology to Epidemiology-Biomarkers and New Technologies Porvoo Finland
- 2005: American Thoracic Society Annual Meeting Educational Session, San Diego, CA
National Academy of Sciences Air Forces Health Study, Washington DC
Society of Toxicology Annual Meeting Symposium, New Orleans, LA
American Association for Cancer Research Annual Meeting Symposium, Anaheim CA
NCI National Science Writers' Seminar on Racial Disparities, New York, NY
- 2006: European Environmental Mutagen Society, Prague, Czech Republic
Course in Genome Damage, Medellin, Colombia
AACR Conference "Frontiers in Cancer Prevention Research" Boston, MA
- 2007: Theoretical Course International Center for Genetic Engineering and Biotechnology: Clinical Aspects of Liver Cancer, Medellin, Colombia
Biobehavioral Mechanisms in Breast Cancer, City University of New York, NY, NY
Office of Dietary Supplement, NIH Vitamin D Conference, Washington DC
- 2008: Breast Cancer: Current Controversies and New Horizons, Harvard, Boston, MA
Canary Foundation Symposium, Stanford, CA
- 2009: AVON Breast Cancer Prevention: Research and Strategies for the 21st Century Miami FL
Keynote speaker, Annual meeting United Kingdom Environmental Mutagenesis Society, Leeds, UK
International Association for the Study of Lung Cancer San Francisco, CA
Young Survival Coalition/Women at Risk "Green is the New Pink: Breast Cancer and the Environment" New York, NY
- 2010: Forum Panelist American Association for Cancer Research Annual Meeting, Washington DC
The Second Niagara Lung Cancer Symposium, Niagara on the Lake, Ontario
- 2011: Epigenetics, Environment and Cancer Univ of Utah, Salt Lake City, UT
- 2012: Herbert Irving Comprehensive Cancer Center Annual Symposium: Epigenetics and Cancer, New York, NY
- 2013: Breast Cancer Management 2013 CME, Columbia University
Regional Interest Session: Assessment of Environmental, dietary and Biological Risk Factors Impacting Liver Cancer Incidence in Texas, Society of Toxicology, San Antonio TX
International Congress of Toxicology, Seoul, Korea
Center in Molecular Toxicology 25th Anniversary Symposium on Aflatoxin, Vanderbilt University, Nashville TN
- 2016: World Science Beijing, China
- 2017: Howell O. Archard Jr Symposium in Oral and Craniofacial Pathology Columbia University, New York, NY
International Conference on the Impact of Environment on Women's Health, Lucknow, India
- 2020: Keynote address City University of New York Research Scholars Program (CRSP), New York, NY

SEMINARS

- 1987: Univ Maryland School of Medicine, Baltimore, MD
Dept Pathology, Roosevelt Hospital, NY, NY
- 1988: Temple University, Philadelphia, PA
American Health Foundation, Valhalla, NY
- 1989: UMDNJ, Piscataway, NJ
Uniformed Services University of the Health Sciences, Bethesda, MD
St Jude Children's Research Hospital, Memphis, TN
Dept of Pharmacology, SUNY Stony Brook, NY
- 1990: MITRE Corporation, McLean VA
Univ Connecticut, Storrs, CT
- 1991: Brooklyn College, Brooklyn, NY
Rutgers University, Piscataway, NJ
New York University, Sterling Forest, NY
American Health Foundation, Valhalla, NY
Fox Chase Cancer Center, Philadelphia, PA
- 1993: Yale University, Dept of Pathology, New Haven, CT

Mt. Sinai Medical Center, NY, NY
1994: New York University, Sterling Forest, NY
1998: Vanderbilt University
Wyeth-Ayerst
SWOG Nurse Oncologist Committee
Wright State University
1999: Estee Lauder, Long Island, NY
National Center for Toxicologic Research, Little Rock AK
2001: UCLA, Los Angeles, CA
2002: UMDNJ, Newark, NJ
Nassau County Bar Association, Mineola, LI
University of Pennsylvania, Hershey PA
2003: BCERF Regional Cancer and Environment Forum, Purchase, NY
NYU School of Dentistry, New York, NY
2004: Mt Sinai Medical Center, New York NY
University of New Mexico, Albuquerque, NM
2005: New York Medical College, Valhalla, NY
Roswell Park Cancer Institute, Buffalo, NY
University of North Carolina, Chapel Hill, NC
New York University, New York, NY
2007: Wayne State University, Detroit, MI
2008: University of Texas Medical Branch, Galveston, TX
2012: University of Pennsylvania, Philadelphia, PA
2015: University of Colorado, Arora, CO
2018: John Jay College of Criminal Justice, CUNY, New York NY
2019: City University of New York Graduate Program, New York, NY
2020: Rutgers Exposure Science Student Association (RESSA), New Brunswick, NJ
2021: Queensborough Community College Environmental Sustainability Club, New York, NY

PUBLICATIONS

1. Zieger, H.E., Schaeffer, D., and Padronaggio, R. Stereochemistry and conformation of 9,10-diisopropyl 9,10-dihydroanthracenes, *Tet. Let.* 5027-5030, 1969.
2. Margolis, R.U., Margolis, R.K., Santella, R.M., and Atherton, D. The hyaluronidase of brain, *J. Neurochem.* 19, 2325-2332, 1972.
3. Santella, R.M., and Li, H.J. Studies on poly(L-lysine₅₀-L-tyrosine₅₀)-DNA interaction, *Biopol.* 3, 909-1926, 1974.
4. Ling, C.F., Santella, R.M., Shen, Y., and McEwen, W.E. Condensation of 2-benzoyl-1,2-dihydroisoquinaldonitrile hydro-fluoroborate with ethyl cinnamate and related compounds, *J. Org. Chem.* 1974.
5. Santella, R.M., and Li, H.J. Studies on interaction between poly(L-lysine₅₈, L-phenylalanine₄₂) and deoxyribonucleic acids, *Biochem.* 14, 3604-11, 1975.
6. Li, H.J., Herlands, L., Santella, R.M., and Epstein, P. Studies on the interaction of poly(L-lysine) and DNA of varied G+C contents, *Biopol.* 4, 2401-2415, 1975.
7. Santella, R.M., and Li, H.J. Interaction between poly(L-lysine₄₈-L-histidine₅₂) and DNA, *Biopol.* 16, 1879-1882, 1977.
8. Engelhardt, D.L., Santella, R.M., Rosenkranz, H.S., and Speck, W.T. The effect of light-treated human plasma on cell growth, *Photobiol. Photochem.* 26, 53-55, 1977.
9. Santella, R.M., Rosenkranz, H.S., Lubit, B.W., Erlanger, B.F., and Speck, W.T. Peroxidase technique for the detection of photochemical lesions in intracellular deoxyribonucleic acid, *Ped. Res.* 11, 939-941, 1977.
10. Speck, W.T., Santella, R.M., and Rosenkranz, H.S. Evaluation of the prophage B induction (inductest) for the selection of potential carcinogens, *Mut. Res.* 54, 101-104, 1978.
11. Santella, R.M., Rosenkranz, H.S., and Speck, W.T. Intracellular deoxyribonucleic acid modifying activity of intermittent phototherapy, *J. Pediat.* 93, 106-109, 1978.

12. Speck, W.T., Santella, R.M., Brem, S., and Rosenkranz, H.S. Alterations of human cellular DNA by neutral red in the presence of visible light, *Mutation Res.* 66, 95-98, 1979.
13. Santella, R.M., Fuchs, R.P.P., and Grunberger, D. Mutagenicity of 7-iodo and 7-fluoro derivatives of N-hydroxy and N-acetoxy-N-2-acetylaminofluorene in the Salmonella typhimurium assay, *Mutation Res.* 67, 85-87, 1979.
14. Santella, R.M., Grunberger, D., and Weinstein, I.B. DNA-benzo[a]-pyrene adducts formed in a Salmonella typhimurium mutagenesis assay system, *Mut. Res.* 61, 181-189, 1979.
15. Poirier, M.C., Santella, R.M., Weinstein, I.B., Grunberger, D., and Yuspa, S.H. Quantitation of benzo[a]pyrene-deoxyguanosine adducts by radioimmunoassay *Cancer Res.* 40, 412-416, 1980.
16. Santella, R.M., Kriek, E., and Grunberger, D. Circular dichroism and proton magnetic resonance studies of dApdG modified with N-2-aminofluorene and N-2-acetylaminofluorene, *Carcinogenesis* 1, 897-902, 1980.
17. Jeffrey, A.M., Kinoshita, T., Santella, R.M., Grunberger, D., Katz, L., and Weinstein, I.B. The chemistry of polycyclic aromatic hydrocarbon-DNA adducts, In: *Carcinogenesis: Fundamental Mechanisms and Environmental Effects*, eds. Ts'o, P.O.P., and Gelboin, H., Reidel Publ. Co., Amsterdam, 1980, pp. 565-579.
18. Kinoshita, T., Santella, R., Pulkrabek, P., and Jeffrey, A.M. Benzene oxide genetic toxicity, *Mutation Res.* 91, 99-102, 1981.
19. Santella, R.M., Grunberger, D., Weinstein, I.B., and Rich, A. Induction of the Z-conformation in poly(dG-dC).poly(dG-dC) by binding of N-2-acetyl-aminofluorene to guanine residues, *Proc. Natl. Acad. Sci. USA* 78, 1451-1455, 1981.
20. Grunberger, D., Santella, R.M., and Weinstein, I.B. Carcinogen-DNA adducts in mutagenesis assays, *Science* 213, 1411-1412, 1981.
21. Grunberger, D., and Santella, R.M. Alternative conformations of DNA modified by N-2-acetylaminofluorene, *J. Supramol. Struc. & Cellular Biochem.* 17, 231-244, 1981.
22. Santella, R.M., Grunberger, D., Broyde, S., and Hingerty, B.E. Z-DNA conformation of N-2-acetylaminofluorene modified poly(dG-dC).poly-(dG-dC) determined by reactivity with anti cytidine antibodies and minimized potential energy calculations, *Nucleic Acid Res.* 9, 5459-5467, 1981.
23. McEwen, W.E., Hernandez, M.A., Ling, C.F., Marmugi, E., Padronaggio (Santella), R.M., ZepplIII, C.M., and Lubinkowski, J.J. Substitution effects in the cycloaddition reactions of Reissert hydrofluorborate salts with alkenes. *J. Org. Chem.* 46, 1656-1662, 1981.
24. Fraenkel-Conrat, H., Singer, B., Takanami, Y., Santella, R.M., and Grunberger, D. Reconstitution of rods from tobacco mosaic virus protein and RNA modified with bulky carcinogens, *Proc. Natl. Acad. Sci. USA* 79, 2541-2543, 1982.
25. Santella, R., Kinoshita, T., and Jeffrey, A.M. Mutagenicity of some methylated benzo[a]pyrene derivatives, *Mutation Res.* 104, 209-213, 1982.
26. Ushay, H.M., Santella, R.M., Caradonna, J.P., Grunberger, D., and Lippard, S.J. Binding of [(dien)PtC] to poly(dG-dC).poly-(dG-dC) facilitates the B-Z conformational transition, *Nucleic Acid Res.* 10, 3573-358, 1982.
27. Santella, R.M., Grunberger, D., Nordheim, A., and Rich A. N-2-acetyl-aminofluorene modification of poly(dG-m5dC).poly(dG- m5dC) induces the Z-DNA conformation, *Biochem. Biophys Res. Comm.* 106, 1226-1232, 1982.
28. Poirier, M.C., Lippard, S., Zwelling, L.A., Ushay, M., Kerrigan, D., Thill, C.C., Santella, R.M., Grunberger, D., and Yuspa, S.H. Antibodies elicited against cis diammine-dichloroplatinum(II)-modified DNA are specific for cis-diamminedichloroplatinum(II)-DNA adducts formed in vivo and in vitro, *Proc. Natl. Acad. Sci. USA* 79, 6443-6447, 1982.
29. Kinoshita, T., Konieczny, M., Santella, R.M., and Jeffrey, A.M. Metabolism and covalent binding to DNA of 7-methylbenzo[a]pyrene, *Cancer Res.* 42, 4032-4038, 1982.
30. Santella, R.M., Grunberger, D., Weinstein, I.B., Carcinogens can induce alternate conformations in nucleic acid structure, *Cold Spring Harbor Symposium on Quantitative Biol.*, Vol. XLVII, p 339-346. 1983.
31. Grunberger, D. and Santella, R.M. Conformational changes in DNA induced by chemical carcinogens, In: *Genes and Proteins in Oncogenesis*, Columbia Univ. Symposium, Academic Press, NY, p. 13-40, 1983.

32. Poupko, J.M., Radomski, T., Santella, R.M., and Radomski, J.L. Organ, species and compound specificity in the metabolic activation of primary aromatic amines, *J. Natl. Cancer Inst.* 70, 1077-1080, 1983.
33. Jones, C.A., Santella, R.M., Huberman, E., Selkirk, J.K., and Grunberger, D. Comparison of the metabolism DNA-adduct formation and mutagenicity of benzo[a]pyrene in rat liver cells and fibroblasts, *Carcinogenesis*, 4, 1351-1357, 1983.
34. Santella, R.M., and Grunberger, D. Induction of the base displacement or Z-conformation in DNA by N-2-acetylaminofluorene modification, *J. Natl. Cancer Inst. Environ. Health Persp.* 49, 107-115, 1983.
35. Santella, R.M., Lin, C.D., Cleveland, W.L., and Weinstein, I.B. Monoclonal antibodies to DNA modified by a benzo[a]pyrene diol epoxide, *Carcinogenesis*, 5, 373-377, 1984.
36. Perera, F.P., Santella, R., Poirier, M.C. Potential methods to monitor human populations exposed to carcinogens: Carcinogen-DNA binding as an example, In: *Risk Quantitation and Regulatory Policy*, Hoel, D. Merrill, R., and Perera, F. Eds., Banbury Report no. 19, Cold Spring Harbor Lab., Cold Spring Harbor, NY, 1984.
37. Hanau, L., Santella, R.M., Grunberger, D.G., and Erlanger, B.F. An immunochemical examination of acetylaminofluorene (AAF)-modified poly(dG-dC).poly(dG-dC) in the Z conformation, *J. Biol. Chem.* 259, 173-178, 1984.
38. Santella, R.M., Hsieh, L.L., Lin, C.D., Viet, S., and Weinstein, I.B. Quantitation of exposure to benzo[a]pyrene with monoclonal antibodies, *Environ. Health Perspectives* 62, 95-99, 1985.
39. Das, M., Bickers, D.R., Santella, R.M., and Mukhtar, H. Altered patterns of cutaneous xenobiotic metabolism in UVB-induced squamous cell carcinoma in SKH-1 hairless mice, *J. Invest. Derm.* 84, 532-536, 1985.
40. Santella, R.M., Dharmaraja, N., Gasparro, F.P., Edelson, R.L. Monoclonal antibodies to DNA modified by 8-methoxypsoralen and ultraviolet A light, *Nucleic Acids Res.* 13, 2533-2544, 1985.
41. Hsieh, L.L., Jeffrey, A.M., and Santella, R.M. Monoclonal antibodies to 1-aminopyrene-DNA, *Carcinogenesis*, 6, 1289-1293, 1985.
42. Grunberger, D., Santella, R.M., Hanau, L., Erlanger, B.F., Stabilization of Z-DNA conformation by chemical carcinogens, In: *The Role of Chemicals and Radiation in the Etiology of Cancer*, Raven Press, New York, 465-475, 1985.
43. Santella, R.M., Hsieh, L.L., and Perera, F. Immunologic quantitation of carcinogen-DNA adducts, In: *Mechanisms of DNA Damage & Repair*, M.G. Simic, L. Grossman and A.C. Puton (eds.), Plenum Press, New York, p. 509-518, 1986.
44. Santella, R.M., Lin, C.D., and Dharmaraja, N. Monoclonal antibodies to a benzo[a]pyrene diol epoxide modified protein, *Carcinogenesis*, 7, 441-444, 1986.
45. Santella, R.M., and Yang, X.Y. Quantitation of carcinogen-DNA adducts with monoclonal antibodies, In: *Occupational and Environmental Chemical Hazards*, Foa, V., Emmett, E.A., Maroni, M., Colombi, A., Eds., Ellis Harwood Limited, West Sussex, England, 1986.
46. Hsieh, L.L., Wong, D., Heisig, V., Santella, R.M., Mauderly, J.J., Mitchell, C.E., Wolff, R.K., Jeffrey, A.M. Analysis of genotoxic components in diesel engine emissions, In: *Carcinogenic and Mutagenic Effects of Diesel Engine Exhaust*, Ishinishi, N., Koizumi, A., McClellan, R.O., and Strober, W., Eds., Elsevier Sciences Publishers, 1986.
47. Perera, F., Santella, R. and Poirier, M. Biomonitoring of workers exposed to carcinogens: immunoassays to benzo[a]pyrene adducts as a prototype, *J. Occup. Med.* 28, 1117-1123, 1986.
48. Sutherland, J.C., Bohai, L., Mugavero, J., Trunk, J., Tomasz, M., Santella, R.M., Marky, L., and Breslauer, K.J. Vacuum ultraviolet circular dichroism of double stranded nucleic acids, *Photochem. Photobio.* 44, 295, 1986.
49. Mukhtar, H., Asokan, P., Das, M., Santella, R.M. and Bickers, D.R. Benzo[a]pyrene diol epoxide-I-DNA adduct formation in the epidermis and lung of senear mice following topical application of crude coal tar, *Cancer Letters*, 33, 287-94, 1986.
50. Santella, R.M., Gasparro, F.P. and Edelson, R.L. Quantification of 8-methoxypsoralen-DNA adducts with specific antibodies, In: *Carcinogenicity of Alkylating Cytostatic Drugs*, Lyon, France, IARC, Schmahl, D. and Kaldor, J.M. Eds., 127-139, 1986.

51. Everson, R.B., Randerath, E., Santella, R.M., Cefalo, R.C., Avitts, T.A., and Randerath, K. Detection of smoking related covalent DNA adducts in human placenta, *Science*, 231, 54-57, 1986.
52. Santella, R.M., Gasparro, F. and Hsieh, L.L. Quantitation of carcinogen-DNA adducts with monoclonal antibodies, *Progress in Experimental Tumor Research: Carcinogenesis and Adducts*, 31, 63-75, 1987.
53. Yang, X.Y., DeLeo, V., and Santella, R.M. Immunological detection and visualization of 8-methoxypsoralen-DNA photoadducts, *Cancer Research*, 47, 2451-2455, 1987.
54. Wallin, H., Jeffrey, A.M., and Santella, R.M. Investigation of benzo[a]pyrene-globin adducts, *Cancer Letters*, 35, 139-146, 1987.
55. Perera, F.P., Santella, R.M., Brenner, D., Poirier, M.C., Munshi, A.A., Fischman, H.K., and Van Ryzin, J. DNA adducts, protein adducts and SCEs in cigarette smokers and nonsmokers, *J. Natl. Can. Inst.*, 79, 449-456, 1987.
56. Geacintov, N.E., Zinger, D., Ibanez, V., Santella, R., Grunberger, D., Harvey, R. G. Properties of covalent benzo(a) pyrene diol epoxide-DNA adducts investigated by fluorescence techniques, *Carcinogenesis*, 8, 925-935, 1987.
57. Santella, R.M., Hatch, H., Pirastu, R., and Brandt-Rauf, P.W. Carcinogen evaluation: In Vitro Testing, In Vivo Testing and Epidemiology, *Seminars in Occupational Medicine*, Vol 2, 245-255, 1987.
58. Santella, R. M. In vitro testing for carcinogens and mutagens, In: *Occupational Medicine-State of the Art Reviews, Occupational Cancer and Carinogenesis*, Brandt-Rauf, P.W., Ed., Hanley & Belfus, Inc. Philadelphia, 1987.
59. Santella, R.M. Application of new techniques for the detection of carcinogen adducts to human population monitoring, *Mutation Res.*, 205, 271-282, 1988.
60. Perera, F.P., Santella, R.M., Brenner, D., Young, T-L., Weinstein, I.B. Application of biological markers to the study of lung cancer causation and prevention, In: *Methods for Detecting DNA-Damaging Agents in Humans: Applications in Cancer Epidemiology and Prevention*, IARC Publications #89, Lyon, 1988.
61. Hemminki, K., Perera, F.P., Phillips, D.H., Randerath, K., Reddy, M.V., Santella, R.M. Aromatic DNA adducts in white blood cells of foundry workers, In: *Methods for Detecting DNA-Damaging Agents in Humans: Applications in Cancer Epidemiology and Prevention*, IARC Publications #89, Lyon, 1988.
62. Santella, R.M., Yang, X.Y., Deleo, V.A., Gasparro, F.P. Detection and quantitation of 8-methoxypsoralen-DNA adducts, In: *Methods for Detecting DNA-Damaging Agents in Humans: Applications in Cancer Epidemiology and Prevention*, IARC Publications #89, 1988.
63. Perera, F.P., Hemminki, K, Young, T.L., Brenner, D. Kelly, G. and Santella, R.M. Detection of polycyclic aromatic hydrocarbon-DNA adducts in white blood cells of foundry workers, *Cancer Res.*, 48, 2288-2291, 1988.
64. Young, T.L. and Santella, R.M. Immunologic detection of exposure to vinyl chloride: antibodies to ethenoadenosine and ethenocytidine, *Carcinogenesis*, 9, 589-592, 1988.
65. Everson, R.B., Randerath, E., Santella, R.M., Avitts, T.A., Weinstein, I.B. Randerath, K., Quantitative associations between DNA damage in human placenta, maternal smoking, and birth weight, *J. Natl. Can. Inst.*, 80, 567-576, 1988.
66. Santella, R.M., Weston, A., Perera, F.P., Trivers, G.T., Harris, C.C., Young, T.L., Nguyen, D., Lee, B.M. and Poirier, M.C. Interlaboratory comparison of antisera and immunoassays for benzo[a]pyrene-diol-epoxide-I modified DNA, *Carcinogenesis*, 9, 1265-1269, 1988.
67. Gasparro, F.P. and Santella, R.M. Immunoassay of DNA Damage, *Photochem. Photobiol.*, 48, 321-328, 1988.
68. Hemminki, K., Perera, F. P., Phillips, D. H., Randerath, K. Reddy, M. V. and Santella, R. M. Aromatic deoxyribonucleic acid adducts in white blood cells of foundry and coke oven workers, *Scand. J. Work Environ. Hlth.*, 14, Suppl. 1, 55-56, 1988.
69. Santella, R.M. Immunologic technique for the detection and quantitation of 8-methoxypsoralen-DNA adducts, In: *Psoralen DNA Photobiology*, Ed, F. Gasparro, CRC Press, Boca Raton, Fla. 1988.

70. Santella, R. M. Monitoring human exposure to carcinogens by DNA adduct measurement, *Cell. Biol. Toxicol.*, 4, 511-516, 1988.
71. Lee, B. M. and Santella, R. M. Quantitation of protein adducts as a marker of genotoxic exposure: immunologic detection of benzo(a)pyrene-globin adducts in mice, *Carcinogenesis*, 9, 1773-1778, 1988.
72. Yang, X.Y., Delohery, T. and Santella, R.M. Flow cytometric analysis of 8-methoxypsoralen-DNA photoadducts in human keratinocytes, *Cancer Res.*, 48, 7013-7017, 1988.
73. Tromberg, B.J., Sepaniak, M.J., Alaire, J.P., Vo-Dinh, T. and Santella, R.M. Development of antibody-based fiber optic sensors for detection of benzo(a)pyrene metabolites, *Anal. Chem.*, 60, 1901-1909, 1988.
74. Hsieh, L.L., Hsu, S.W., Chen, D.S. and Santella, R. M. Immunological detection of aflatoxin-B₁-DNA adducts formed in vivo, *Cancer Res.*, 48, 6328-6331, 1988.
75. Santella, R.M. Monitoring human exposure to carcinogens by DNA adduct measurement, *The Nucleus*, 31, 81-83, 1988.
76. Yang, X.Y., Ronai, Z.A., Santella, R.M. and Weinstein, I.B. Effects of 8-methoxypsoralen and ultraviolet A light on EGF receptor (HER-I) expression, *Biochem. Biophys. Res. Commun.*, 157, 590-596, 1988.
77. Vo-Dinh, T., Tromberg, B.J., Sepaniak, M.J., Griffin, G.D., Ambrose, K.R., and Santella, R.M. Immunofluorescence detection for fiberoptics chemical and biological sensors in: *Proceedings of SPIE-The International Society for Optical Engineering, Fluorescence Detection II*, 910:87-94, 1988.
78. Yang, X.Y., Santella, R.M. Development of monoclonal antibodies to acetylaminofluorene modified DNA and poly(dG-dC)-poly(dG-dC), In: *Carcinogenic and Mutagenic Responses to Aromatic Amines and Nitroarenes*, C.M. King, L.J., Romano, D. Schuetzle, Eds., Elsevier, N.Y., 1988.
79. Santella, R.M. and Stefanidis, M. Immunological methods for the detection and quantitation of exposure to aromatic hydrocarbons, In: *Chemical Analysis on Polycyclic Aromatic Compounds*, Vo-Dinh., T., Ed., John Wiley and Sons, Inc., New York, 391-410, 1989.
80. Miolo, G., Stefanidis, M., Santella, R. M., Dall'Acqua, F. and Gasparro, F. P. 6,4,4'-Trimethylangelicin photoadduct formation in DNA: Production and characterization of a specific monoclonal antibody, *J. Photochem. Photobio., B: Biology*, 3, 101-112, 1989.
81. Perera, F. Mayer, J., Jaretzki, A., Hearne, S., Brenner, D., Young, T.L., Fischman, H., Grimes, M., Grantham, S., Tang, M.X., Tsai, W.-Y., Santella, R.M. Comparison of DNA adducts and sister chromatid exchange in lung cancer cases and controls, *Cancer Res.*, 49, 4446-4451, 1989.
82. Yang, X.Y., Gasparro, F.P., DeLeo, V.A. and Santella, R.M. 8-methoxypsoralen-DNA adducts in patients treated with 8-methoxypsoralen and ultraviolet A light, *J. Invest. Derm.*, 92, 59-63, 1989.
83. Perera, F., Jeffrey, A., Santella, R.M., Brenner, D., Mayer, J., Latriano, L., Smith, S. Young, T.L., Tsai, W.Y., Hemminki, K., and Brandt-Rauf, P. Macromolecular adducts and related biomarkers in biomonitoring and epidemiology of complex exposures. In: *Complex Mixtures and Cancer Risk*, H. Vainio, M. Sorsa, A.J. McMichael (Eds.), IARC Scientific Publication, 104, pp. 164-180, 1990.
84. Santella, R.M., Li, Y., Zhang, Y.J., Young, T.L., Stefanidis, M., Lu, X.Q., Lee, B.M., Gomes, M. and Perera, F.F. Immunologic methods for the detection of polycyclic aromatic hydrocarbon-DNA and protein adducts, In: *Genetic Toxicology of Complex Mixtures*, Ed., Waters, M.D., Plenum, New York, 1990.
85. Young, T.L., Habraken, Y., Ludlum, D.B. and Santella, R.M. Development of monoclonal antibodies recognizing 7-(2-hydroxyethyl)guanine and imidazole ring-opened 7-(2-hydroxyethyl)guanine, *Carcinogenesis*, 11, 1685-1689, 1990.
86. Perera, F.P, Schulte, P., Santella, R.M., Brenner, D. DNA adducts and related biomarkers in assessing the risk of complex mixtures, In: *Genetic Toxicology of Complex Mixtures: Short-Term Bioassays in the Analysis of Complex Environmental Mixtures*, VI M.D. Waters, S. Nesnow, J. Lewtas, M. M. Moore, and F. B. Daniel, Eds., Plenum, New York, 271-290, 1990.
87. Santella, R.M., Yang, X.Y., Hsieh, L.L. and Young, T.L. Immunologic methods for the detection of carcinogen adducts in humans. *Prog Clin. Biol. Res.* 340C:247-257, 1990.

88. Santella, R.M., Yang, X.Y., Hsieh, L.L., Young, T.L., Lu, X.Q., Stefanidis, M., Perera, F.P. Immunologic methods for the detection of carcinogen adducts in humans, In: DNA Damage and Repair in Human Tissues, Sutherland, B.M., and Woodhead, A.D., Eds, Plenum, New York, 1990.
89. Herbert, R., Marcus, M., Wolff, M.s., Perera, F.P., Andrews, L., Godbold, J.H., Rivera, M., Stefanidis, M., Lu, X.Q., Landrigan, P.J., and Santella, R.M. Detection of adducts of deoxyribonucleic acid in white blood cells of roofers by ³²P-postlabeling: relationship of adduct levels to measures of exposure to polycyclic aromatic hydrocarbons. *Scand. J. Work Environ. Health*, 16,135-143,1990.
90. Hemminki, K., Grzybowska, E., Chorazy, M., Twardowska-Sauchka, K., Sroczynski, J.W., Putnam, K.L., Randerath, K., Phillips, D.H., Hewer, A., Santella, R.M., Young, T.L., Perera, F.P. DNA adducts in humans environmentally exposed to aromatic compounds in an industrial area of Poland. *Carcinogenesis*,11, 1229-1231, 1990.
91. Santella, R.M., Yang, X.Y., Young, T.L., Baliga, B. and Perera, F. Monitoring human exposure to carcinogens by DNA adduct measurement, In: *Advances in Cell and Chromosome Research*, Sharma, A.K., and Sharma. A., Eds., Oxford & IBH, Publishing Co., Calcutta, 121-135, 1990.
92. Santella, R.M., Zhang, Y.J., Young, T.L., Lee, B.M., and Lu, X.Q. Monitoring human exposure to environmental carcinogens. In: *Biological Reactive Intermediates IV-Molecular and Cellular Effects, and Human Impact*, Witmer, C.M., Ed., Plenum Press, New York, 1990.
93. Hemminki, K., Grzybowska, E., Chorazy, M., Twardowska-Sauchka, K., Sroczynski, J.W., Putnam, K.L., Randerath, K., Phillips, D.H., Hewer, A., Santella, R.M., and Perera, F.P. DNA adducts in humans related to occupational and environmental exposure to aromatic compounds. *Experimental and Epidemiological Applications to Risk Assessment of Complex Mixtures*. IARC., 1990.
94. Gomes, M. and Santella, R.M. Immunologic methods for the detection of benzo(a)pyrene metabolites in urine. *Chem. Res. Toxicol.*, 3, 307-310, 1990.
95. Brandt-Rauf, P.W., Smith, S., Perera, F.P., Niman, H.L, Yohannan, W., Hemminki, K., and Santella, R.M. Serum oncogene proteins in foundry workers, *J. Soc. Occup. Med.*, 40, 11-14, 1990.
96. Zhang, Y.L., Li, Y., DeLeo, V.A., and Santella, R.M. Detection of DNA adducts in skin biopsies of coal tar treated psoriasis patients: Immuno-fluorescence and ³²P postlabeling. *J. Skin Pharm.*, 3, 171-179, 1990.
97. Hatch, M.C., Warburton, D. and Santella, R.M. PAH-DNA adducts in spontaneously aborted fetal tissue. *Carcinogenesis*, 11, 1673-1675, 1990.
98. Perera, F. Jeffrey, A., Brandt-Rauf, P.W., Brenner, D., Mayer, J., Smith, S., Latriano, L., Hemminki, K., Santella, R.M. Molecular epidemiology and cancer prevention, *Cancer Detection Prevention.*, 14, 639-645, 1990.
99. Hemminki, K., Randerath, K., Reddy, M.V., Putman, K.L., Santella, R.M., Perera, F.P., Phillips, D.H., Hewer, A., Savela, K. Postlabelling and immunoassay analysis of polycyclic aromatic hydrocarbon-DNA adducts in white blood cells of foundry workers. *Scand. J. Work Environ. Health*, 16:158-162, 1990.
100. Perera, F.P, Santella, R.M., Brandt-Rauf, P.W., Kahn, S., Jiang, W., Tang, D.L. and Mayer, L. The role of molecular epidemiology in cancer prevention. In: *Xenobiotics and Cancer*, L. Ernster, et al. Eds. Japan Sci Soc Press, Tokyo/Taylor & Francis Ltd, London, 1990.
101. Jeffrey, A.M., Santella, R.M., Wong, D., Hsieh, L.L., Heisig, V., Doskocil, G., Ghayourmanesh, S. Metabolic activation of nitropyrenes and diesel particulate extracts. Health Effects Institute, Research Report Number 34, 1990.
102. Perera, F. Mayer, J. Santella, R.M., Brenner, D., Jeffrey, A., Latriano, L., Smith, S., Warburton, D., Young, T.L., Tsai, W.Y., Hemminki, K., Brandt-Rauf, P. Biological markers in risk assessment for environmental carcinogens, *Environ. Health Persp.*, 90: 247-254, 1991.
103. Hsieh, L.L., Hsu, S.W., Chen, D.S., Santella, R.M. Immunological approach to study primary liver cancer risk from aflatoxin exposure in Taiwan, *Proceedings of Symposium on Health Risk Assessment on Environmental, Occupational, and Life Style Hazards*. Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan, 1991.

104. Zhang, Y.J., Chen, C.J., Haghighi, B., Yang, G.Y., Hsieh, L.L., Wang, L.W., Santella, R.M. Quantitation of aflatoxin B₁-DNA adducts in woodchuck hepatocytes and rat liver tissue by indirect immunofluorescence analysis. *Cancer Research*, 51, 1720-1725, 1991.
105. Perera, F.P., Santella, R.M., Brandt-Rauf, P, Kahn, S., Jiang, W., and Mayer, J. Molecular Epidemiology of Lung Cancer. In: *Origins of Human Cancer: A comprehensive Review*, Banbury Report no. 26, Cold Spring Harbor Lab., Cold Spring Harbor, NY, 1991.
106. Lee, B.M., Yin, B., Herbert, R., Hemminki, K., Perera, F.P., Santella, R.M. Immunologic measurement of polycyclic aromatic hydrocarbon-albumin adducts in foundry workers and roofers. *Scand. J. Work, Environ. Health* 17, 190-194, 1991.
107. Vo-Dinh, T., Alarie, J.P., Johnson, R.W., Sepaniak, J.J. Santella, R.M. Evaluation of the fiber-optic antibody-based fluoroimmunosensor for DNA adducts in human placenta samples. *Clin. Chem.* 37, 532-535, 1991.
108. Santella, R.M., Young, T.L., Habraken, Y. and Ludlum, B.D. Development of techniques to monitor exposure to vinyl chloride and ethylene oxide, In: *Human Carcinogen Exposure: Biomonitoring and Risk Assessment*, Garner, R.C., Farmer, P.B., Steel, G.T., and Wright, A.S. (Eds.), Oxford University Press, 389-397, 1991.
109. Santella, R.M. DNA adducts in humans as biomarkers of exposure to environmental and occupational carcinogens. *Environ. Carc. Reviews*, C9(1), 57-81, 1991.
110. Baoyun, Y., Gasparro, F.P., Bevilacqua, P.M. and Santella, R.M. Quantitation of plasma levels of 8-methoxypsoralen by competitive enzyme-linked immunosorbent assay. *J. Invest. Derm.*, 97, 1001-1004, 1991.
111. Perera, F.P., Santella, R.M., Brandt-Rauf, P., Kahn, S., Jiang, W., Tang, D., Mayer, J. The role of molecular epidemiology in cancer prevention. In: *Xenobiotics and Cancer*, I. Ernster, et al. (Eds.), Japan Sci. Soc. Press, Tokyo/Taylor & Francis Ltd., London, pp. 339-350, 1991.
112. Lu, X., Levy, M., Weinstein, I.B. and Santella, R.M. Immunological Quantitation of levels of tissue inhibitor of metalloproteinase-1 in human colon cancer. *Cancer Res*, 51:6231-6235, 1991.
113. Santella, R.M. Immunoassays for the clinically used DNA damaging agents 8-methoxypsoralen and cis-diamminedichloro platinum(II), In: *Monitoring Human Exposure to Carcinogens: Analytical, Epidemiological and Ethical Considerations*, Skipper, P.L., Groopman, J.D., Koschier, F., Eds., Telford Press, Caldwell, N.J. 1991
114. Zhang, Y.J., Chen, C.J., Lee, C.S., Haghighi, B., Yang, G.Y., Wang, L.W., Feitelson, M. and Santella, R.M. Aflatoxin B₁-DNA adducts and hepatitis B virus antigens in hepatocellular carcinoma and non-tumorous liver tissue. *Carcinogenesis*, 12, 2247-2252, 1991.
115. Santella, R.M., Zhang, Y.J., Young, T.L., Li, Y., Toor, M., Lee, B.M., Stefanidis, M., Warburton, D., DeLeo, V., and Perera, F.P. Biological monitoring of exposure to polycyclic aromatic hydrocarbons. In: *Anticarcinogenesis and Radiation Protection: Strategies in Protection from Radiation and Cancer*, Nygaard, O.F., Ed., Plenum Press, New York, 155-169, 1991.
116. Perera, F., Mayer, J., Santella, R.M., Brenner, D., Tsai, W.Y., Brandt-Rauf, P. and Hemminki, K. DNA adducts and other biological markers in risk assessment for environmental carcinogens. *Ann. Ist. Super. Sanita*, 27, 615-620, 1991.
117. Santella, R.M., Gomes, M., Zhang, Y.J., Young, T.L., and Perera, F.P. Immunologic Methods for Detection of Human Exposure to Polycyclic Aromatic Hydrocarbons. In: *Proceedings of Symposium on Health Risk Assessment and Surveillance in the Industrial Setting*, Taipei, Taiwan, 83-94, 1991.
118. Hsieh, L.L., Zhang, Y.J., Chen, C.J. and Santella, R.M. Immunological approach to study primary liver cancer risk from aflatoxin exposure in Taiwan. In: *Proceedings of Symposium on Health Risk Assessment and Surveillance in the Industrial Setting*, Taipei, Taiwan, 447-456, 1991.
119. Santella, R.M., Zhang, Y.J., Hsieh, L.L., Young, T.L., Lu, X.Q., Lee, B.M., Yang, G.Y., and Perera, F.P. Immunologic methods for monitoring human exposure to benzo(a)pyrene and aflatoxin B₁: measurement of carcinogen adducts. In: *Immunoassays for Monitoring Human Exposure to Toxic Chemicals*, Vanderlaan, M., Ed., American Chemical Society Publications, Washington, D.C., 229-245, 1991.
120. Herbert, R., Marcus, M. Wolff, M.S., Perera, F., Andrews, L., Godbold, J.H., Rivera, M., Stefanidis, M., Lu, X.Q., Landrigan, P.J., Santella, R.M. A pilot study of detection of DNA adducts in white blood cells of roofers by 32P-post

labeling, In: Experimental and Epidemiological Applications to Risk Assessment of Complex Mixtures, IARC Publications, Lyon, 1992.

121. Chen, C.J., Zhang, Y.J., Lu, S.N., Santella, R.M. Aflatoxin B₁-DNA adducts in smeared tumor tissue of hepatocellular carcinoma patients. *Hepatology* 16, 1150-1155, 1992.

122. Perera, F.P., Hemminki, K., Grzybowska, E., Motykiewicz, G., Michalska, J., Santella, R.M., Young, T.L., Dickey, C., Brandt-Rauf, P., DeVivo, I., Blaner, W., Tsai, W.Y., Chorazy, M. Molecular damage from environmental pollution in Poland. *Nature* 360, 256-158, 1992.

123. Santella, R.M., Grinberg-Funes, R.A., Young, T.L., Dickey, C., Singh, V.N., Wang, L.W. and Perera, F.P. Cigarette smoking related polycyclic aromatic hydrocarbon-DNA adducts in peripheral mononuclear cells. *Carcinogenesis* 13, 2041-2045, 1992.

124. Carothers, A., Zhen, W., Mucha, J., Zhang, Y.J., Santella, R.M. Grunberger, D. and Bohr, V. A., DNA strand-specific repair of (1 α)-3 β ,4 β -dihydroxy-1 α ,2 α -epoxy-1,2,3,4-tetrahydrobenzo[*c*]phenanthrene adducts in the hamster dihydrofolate reductase gene correlates with induced strand-biased mutations *Proc. Natl. Acad. Sci.* 89, 11925-11929, 1992.

125. Perera, F.P., Brenner, D., Mayer, J., Tang, D., Young, T.L., Motykiewicz, G., Grzybowska, E., Chorazy, M., Hemminki, K., Santella, R. DNA adducts and related biomarkers in populations exposed to environmental carcinogens. *Environ. Health Persp.* 98, 133-137, 1992.

126. Santella, R.M., Perera, F.P., Zhang, Y.J., Chen, C.J., Young, T.L. Immunologic methods for monitoring carcinogen exposure. *Proceedings of International Conference on Monitoring Toxic Chemicals and Biomarkers*, SPIE Bellingham, Washington, 1716, 236-247, 1992.

127. Perera, F.P., Motzer, R.J., Tang, D., Reed, E., Parker, R., Warburton, D., O'Neill, P., Albertini, R., Bigbee, W.L., Jensen, R.H., Santella, R., Tsai, W.Y., Simon-Cerejido, G., Randall, C., Bosl, G. Multiple biological markers in germ cell tumor patients treated with platinum-based chemotherapy. *Cancer Res.* 52, 3558-3565, 1992.

128. Santella, R.M., Zhang, Y.J., Chen, C.J., Hsieh, L.L., Lee, C.S., Haghghi, B., Yang, G.Y., Wang, L.W., Feitelson, M. Immunohistochemical Detection of Aflatoxin B₁-DNA Adducts and Hepatitis B Virus Antigens in Hepatocellular Carcinoma and Non-tumorous Liver Tissue, *Environ. Health Persp.*, 99, 199-202, 1993.

129. Perera, F.P. and Santella, R.M. Carcinogenesis. In: *Molecular Epidemiology: Principles and Practice*, Schulte, P.A., Perera, F.P. (Eds.). Academic Press, Inc., Orlando, FL, 277-300, 1993.

130. Luo, J.C., Yu, M.W., Chen, C.J., Santella, R.M., Carney, W.P. and Brandt-Rauf, P.W. Serum *c-erbB-2* oncoprotein in hepatocellular carcinogenesis. *Medical Science Research*, 21, 305-307, 1993.

131. Rousset, S., Nocentini, S., Santella, R.M., Gasparro, F.P. and Mounstacchi, E. Immunological probing of induction and repair of 8-methoxypsoralen photoadducts in DNA from Fanconi anemia and normal human fibroblasts: quantitative analysis by electron microscopy. *J. Photochem. Photobiol. B: Biol.*, 18, 27-34, 1993.

132. Santella, R.M. and Perera, F.P. Molecular epidemiologic approaches in environmental carcinogenesis. In: *Molecular Biological Approaches to Environmental Science*, Garte, S.J. (Ed.), Lewis Publishers, Boca Raton, FL, 153-176, 1993.

133. Mumford, J.L., Lee, X., Lewtas, J., Young, T.L., and Santella, R.M. DNA adducts as biomarkers for assessing exposure to polycyclic aromatic hydrocarbons in tissues from Xuan Wei women with higher exposure to coal combustion emissions and high lung cancer mortality. *Environ. Health Persp.*, 99, 83-87, 1993.

134. Perera, F. P., Tang, D. L., O'Neill, P., Bigbee, W. L., Albertini, R., Santella, R., Ottman, R., Tsai, W. Y., Dickey, C., Mooney, L. A., Savelle, K., and Hemminki, K. HPRT and glycophorin A mutations in foundry workers: relationship to PAH exposure and PAH-DNA adducts. *Carcinogenesis*, 14, 969-973, 1993.

135. Weston, A., Dowman, E.D., Shields, P.G., Trivers, G.E., Poirier, M.C., Santella, R.M., Manchester, D.K. Detection of polycyclic aromatic hydrocarbon-DNA adducts in human lung. *Environ. Health Persp.*, 99, 257-259, 1993.

136. Hatch, M.C., Chen, C.J., Levin, B., Ji, B.T., Yang, G.Y., Hsu, S.W., Wang, L.-W., Hsieh, L.L., Santella, R.M. Urinary aflatoxin levels, hepatitis B virus infection and hepatocellular carcinoma in Taiwan. *Int. J. Cancer*, 54, 931-934, 1993.

137. Perera, F.P., Tang, D., Grinberg-Funes, R.A., Blackwood, M.A., Dickey, C., Blaner, W., Santella, R.M. Molecular epidemiology of lung cancer and the modulation of markers of chronic carcinogen exposure by chemopreventive agents. *J Cellular Biochem*, 17F, S119-128, 1993.
138. Santella, R.M., Grinberg-Funes, R., Perera, F.P., Zhang, Y.J., Chen, C.J., Young, T.L. Molecular Epidemiology: Measurement of DNA Adducts. *Accomplishments in Cancer Research*, Fortner, J.G, Rhoads, J.E. (Eds.), J.B. Lippincott Co., Philadelphia, 191-201, 1993.
139. Jiang, W., Zhang, Y.J., Kahn, S., Hollstein, M., Santella, R., Lu, S.H., Harris, C., Montosano, R. and Weinstein, I.B. Altered expression of the cyclin D1 and retinoblastoma genes in human esophageal cancer. *Proc. Natl. Acad. Sci. USA*, 90, 9026-9030, 1993.
140. Zhang, Y.J., Wei, J., Chen, C.J., Lee, C.S., Santella, R.M. and Weinstein, I.B. Amplification and overexpression of cyclin D1 in human hepatocellular carcinoma. *Biochemical, Biophysical Res. Commun.*, 196, 1010-1016, 1993.
141. Jiang, W., Kahn, S.M., Xhou, P., Zhang, Y-J, Cacace, A.M., Infante, A.S., Doi, S., Santella, R.M., Weinstein, I.B. Overexpression of cyclin D1 in rat fibroblasts causes abnormalities in growth control, cell cycle progression and gene expression. *Oncogene* 8, 3447-3457, 1993.
142. Santella, R.M., Hemminki, K., Tang, D., Paik, M., Ottman, R., Young, T.L., Savela, K., Vodicka, L., Dickey, C., Whyatt, R., Perera, F.P. Polycyclic Aromatic Hydrocarbon-DNA adducts in white blood cells and urinary 1-hydroxypyrene in foundry workers. *Cancer Epidemiology, Biomarkers & Prevention*, 2, 59-62, 1993.
143. Santella, R.M., Gomes-Nunes, M., Blaskovic, R., Perera, F.P., Tang, D., Beachman, A., Lin, J.-H., DeLeo, V.A. Quantitation of polycyclic aromatic hydrocarbons, 1-hydroxypyrene, and mutagenicity in urine of coal tar treated psoriasis patients and untreated volunteers. *Cancer Epi Biomarkers & Prevent* 3, 137-140, 1994.
144. Crawford, F.G., Mayer, J., Santella, R.M., Cooper, T., Ottman, R., Tsai, W-Y., Simon-Cereijido, G., Wang, M., Tang, D., Perera, F.P. Biomarkers of environmental tobacco smoke in preschool children and their mothers. *J. Nat. Cancer Inst.* 86, 1398-1402, 1994.
145. Grinberg-Funes, R.A., Singh, V.N., Perera, F.P., Bell, D.A., Young, T.L., Dickey, D., Wang, L.W., Santella, R.M. Polycyclic aromatic hydrocarbon-DNA adducts in smokers and their relationship to micronutrient levels and glutathione-S-transferase M1 genotype. *Carcinogenesis*, 15, 2449-2454, 1994.
146. Yu, M-W., Chien, C-J., Luo, J-C., Brandt-Rauf, P.W., Carney, W.P., Santella, R.M. Correlations of chronic hepatitis B virus infection and cigarette smoking with elevated expression of neu oncoprotein in the development of hepatocellular carcinoma. *Cancer Research* 54, 5106-5110, 1994.
147. Perera, F.P., Dickey, C., Santella, R.M., O'Neill, J.P., Albertini, R.J., Ottman, R., Tsai, W.Y., Mooney, L.A., Savela, K., Hemminki, K. Carcinogen-DNA adducts and gene mutation in foundry workers with low-level exposure to polycyclic aromatic hydrocarbons. *Carcinogenesis*, 15, 2905-2910, 1994.
148. Yu, M.W., Zhang, Y.J., Blaner, W.S., Santella, R.M. Influence of vitamin A, C, E and β -carotene on aflatoxin B1 binding to DNA in woodchuck hepatocytes, *Cancer*, 73, 596-604, 1994.
149. Weston, A., Santella, R.M., and Bowman, E. Detection of polycyclic aromatic hydrocarbon metabolites in urine from coal tar treated psoriasis patients and controls, *Polycyclic Aromatic Hydrocarbons* 5, 241-247, 1994.
150. Weinstein, I.B., Carothers, A.M., Santella, R.M., Perera, F. Molecular Mechanisms of mutagenesis and multistage carcinogenesis. In: *The Molecular Basis of Cancer*, Mendelsohn, Howley, Liotta and Israel, (Eds.), 1995.
151. Santella, R.M., Perera, F.P., Young, T.L., Zhang, Y-J, Chiamprasert, S., Deliang, T., Wang, L.W., Beachman, A., Lin, J-H, and DeLeo, V.A. Polycyclic aromatic hydrocarbon DNA and protein adducts in coal tar treated patients and controls and their relationship to glutathione-S-transferase genotype. *Mut Research*, 334, 117-124. 1995.
152. Santella, R.M. The Epidemiology of primary hepatocellular cancer. *New Perspectives in Cancer Diagnoses and Management*, 3, 3-14. 1995.
153. Zhang, Y.J., Hsu, T.M., Santella, R.M. Immunoperoxidase detection of polycyclic aromatic hydrocarbon-DNA adduct in oral mucosa cells of smokers and nonsmokers. *Cancer Epidemiology, Biomarkers & Prevention* 4, 133-138, 1995.

154. Yin, B., Whyatt, R.M., Perera, F.P., Randall, R.C., Cooper, T., Santella, R.M. Determination of 8-hydroxydeoxyguanosine by an immunoaffinity chromatography-monoclonal antibody-based ELISA. *Free Radical Biology & Medicine*, 18, 1023-1032, 1995.
155. Al-Atrash, J., Zhang, Y-J., Kin, D., Kadlubar, F.F., Santella, R.M. Quantitative immunohistochemical analysis of 4-Aminobiphenyl-DNA in cultured cells and mice: Comparison to gas chromatography/mass spectroscopy analysis. *Chemical Research in Toxicology*, 8, 747-754, 1995.
156. Motykiewicz, G., Malusecka, E., Grzybowska, E., Chorazy, M., Zhang, Y-J, Perera, F.P., Santella, R.M. Immunohistochemical quantitation of polycyclic aromatic hydrocarbon-DNA adducts in human lymphocytes. *Cancer Research*, 55, 1417-1422, 1995.
157. Han, E.K-H., Sgambato, A., Jiang, W., Zhang, Y.J., Santella, R.M., Doki, Y., Cacace, A.M., Schieren, I., Weinstein, I.B. Stable overexpression of cyclin D1 in a human mammary epithelial cell line prolongs the S-phase and inhibits growth. *Oncogene* 10, 953-961, 1995.
158. Mooney, L.A., Santella, R.M., Covey, L., Jeffrey, A.M., Bigbee, W., Randall, M.C., Cooper, T.B., Ottman, R., Tsai, W-Y, Wazneh, L., Glassman, A.H., Young, T-L, Perera, F.P. Decline of DNA damage and other biomarkers in peripheral blood following smoking cessation. *Cancer Epidemiology, Biomarkers, and Prevention* 4, 579-690, 1995.
159. Yu, M-W, Yarborough, A.G., Chiamprasert, S., Santella, R.M., Liaw, Y-F, Chen, C-J Cytochrome P-450 2E1 and glutathione S-transferase M1 polymorphisms and susceptibility to hepatocellular carcinoma. *Gastroenterology*, 109, 1266-1273, 1995.
160. Hsu, T.M., Liu, T.M., Amin, S., Geacintov, N.E., Santella, R.M. Determination of stereospecificity of benzo[a]pyrene diol epoxide-DNA antisera with site-specifically modified oligonucleotides. *Carcinogenesis* 16, 2263-2265, 1995.
161. Tang, D., Santella, R.M., Blackwood, A.M., Young, T-L., Mayer, J., Jaretzki, A., Grantham, S., Tsai, W-Y., Perera, F.P. A molecular epidemiological case-control study of lung cancer. *Cancer Epidemiology, Biomarkers & prevention* 4, 341-346, 1995.
162. Zhou, P., Jiang, W., Zhang, Y-J., Kahn, S.M., Schieren, J.I., Santella, R.M., Weinstein, I.B. Antisense to cyclin D1 inhibits growth and reverses the transformed phenotype of human esophageal cancer cells. *Oncogene*, 11, 571-580, 1995.
163. Weinstein, I.B., Santella, R.M., Perera, F.P. The molecular biology and molecular epidemiology of cancer. In: *The Science and Practice of Cancer Prevention and Control*, Greenwald, P., Kramer, B.S. and Weed, D.L. (Eds.), Marcel-Dekker, 1995.
164. Sgambato, A., Han, E.K-H, Zhang, Y-J, Moon, R.C., Santella, R.M., Weinstein, I.B. Deregulated expression of cyclin D1 and other cell cycle-related genes in carcinogen-induced rat mammary tumors. *Carcinogenesis* 16, 2193-2198, 1995.
165. Chen, D-J., Wang, L-Y., Lu, S-N., Wu, M-H., You, S-L., Zhang, Y-J., Wang, L-W., Santella, R.M. Elevated aflatoxin exposure and increased risk of hepatocellular carcinoma. *Hepatology* 24, 38-42, 1996.
166. Yarborough, A., Zhang, Y-J., Hsu, T-M., Santella, R.M. Immunoperoxidase detection of 8-hydroxydeoxyguanosine in aflatoxin B₁-treated rat liver and human oral mucosal cells. *Cancer Research* 56, 683-688, 1996.
167. Santella, R.M., Zhang, Y-J., Yarborough, A., Motykiewicz, G., Hsu, T-M., Lunn, R., Al-Atrash, J., Antisera to carcinogen-DNA adducts and their application in molecular epidemiology, *Acta Medic Romana* 34, 229-237, 1996.
168. Chen, C-J., Yu, M-W., Liaw, Y-F., Wang, L-W., Chiamprasert, S., Matin, F., Hirvonen, A., Bell, D.A., Santella, R.M. Chronic hepatitis B carriers with null genotypes of glutathione S-transferase M1 and T1 who are exposed to aflatoxin are at increased risk of hepatocellular carcinoma. *Amer. J. Human Genetic* 59, 128-134. 1996.
169. Curigliano, G., Zhang, Y-J., Wang, L-Y., Flamini, G., Alcini, A., Ratto, C, Giustacchini, M., Alcini, E., Cittadini, A., Santella, R.M. Immunohistochemical quantitation of 4-aminobiphenyl-DNA adducts and p53 nuclear overexpression in T1 bladder cancer of smokers and nonsmokers. *Carcinogenesis* 17, 911-916, 1996.
170. Widlak, P., Gryzbowska, E., Hemminki, K., Santella, R.M., Chorazy, M. ³²P postlabelling of bulky human DNA adducts enriched by different methods including immunoaffinity chromatography. *Chem.-Biol. Interactions* 99, 99-107, 1996.

171. Burgeot, T., Bocquene, G., Porte, C., Dimeet, J., Santella, R.M., Garcia de la Parra, L.M., Pihol-Leskowicz, A., Raoux, C., Galgani, R.F. Bioindicators of pollutant exposure in the Northwestern Mediterranean Sea. *Mar. Ecol. Prog. Ser.* 131, 124-141, 1996.
172. Wang, L-Y., Hatch, M., Chen, C-J., Levin, B., You, S-L., Wu, M-H., Wu, W-P., Wang, L-W., Wang, Q., Huang, G-T., Yang, P-M., Lee, H-S., Santella, R.M. Aflatoxin exposure and the risk of hepatocellular carcinoma in Taiwan. *Int. J. Cancer*, 67, 620-625, 1996.
173. Mumford, J.L., Williams, K., Wilcosky, T.C., Everson, R.B., Young, T.L., Santella, R.M., A sensitive color ELISA for detecting polycyclic aromatic hydrocarbon-DNA adducts in human tissues. *Mutation Research*, 359, 171-177, 1996.
174. Gammon, M.D., Wolff, M.S., Neugut, A.I., Terry, M.B., Britton, J.A., Greenebaum, E., Hibshoosh, H., Levin, B., Wang, Q., Santella, R.M., Treatment for breast cancer and blood levels of chlorinated hydrocarbons. *Cancer Epidemiology, Biomarkers & Prevention* 5, 457-459. 1996.
175. Santella, R.M. (Letter) International Openness. *Science* vol. 272, 1086, 1996.
176. Motykiewicz, G., Perera, F.P., Santella, R.M., Hemminki, K., Seemayer, N.H., Chorazy, M. Assessment of cancer hazard from environmental pollution in Silesia. *Toxicology Let.*, 88, 169-173, 1996.
177. Perera, F.P., Mooney, L.A., Dickey, C.P., Santella, R.M., Bell, D., Blaner, W., Tang, D., Whyatt, R.M. Molecular epidemiology in environmental carcinogenesis. *Environmental Health Perspectives* 104, 441-443, 1996.
178. Rousset, S., Nocentini, S., Santella, R.M., Moustacchi, E., 6,4,4'-Trimethylangelicin photoadduct immunodetection in DNA: induction and repair in fanconi anemia and normal human fibroblasts. *J. Photochem. Photobiol.* 38, 220-227, 1997.
179. Gammon, M.D., Wolff, M.S., Neugut, A.I., Terry, M.B., Papadopoulos, K, Levin, B., Wang, Q, Santella, R.M. Temporal variation in chlorinated hydrocarbons in healthy women. *Cancer Epidemiology, Biomarkers & Prevention.* 6, 327-332, 1997.
180. Mooney, L.A., Bell, D.A., Santella, R.M., Van Bennekum, A.M., Ottman, R., Paik, M., Blaner, W.S., Lucier, G.W., Covey, L., Young, T-L., Cooper, T.B., Glassman, A.H., Perera, F.P. Contribution of genetic and nutritional factors to DNA damage in heavy smokers. *Carcinogenesis* 18, 101-107, 1997.
181. Hsu, T-M., Zhang, Y-J., Santella, R.M. Immunoperoxidase quantitation of 4-aminobiphenyl- and polycyclic aromatic hydrocarbon-DNA adducts in exfoliated oral and urothelial cells of smokers and nonsmokers. *Cancer Epidemiology, Biomarkers & Prevention* 6, 193-199, 1997.
182. Bowman, E.D., Rothman, N., Hackl, C., Santella, R.M. and Weston, A. Interindividual variation in the levels of certain urinary polycyclic aromatic hydrocarbon metabolites following medicinal exposure to coal tar ointment. *Biomarkers* 2, 321-327, 1997.
183. Lunn, R.M., Zhang, Y.J., Wang, L.Y., Chen, C.J., Lee, P.H., Lee, C.S., Tsai, W.Y., and Santella, R.M. P53 mutations, chronic hepatitis B virus infection, and aflatoxin exposure in hepatocellular carcinoma in Taiwan. *Cancer Res.* 57, 3471-3477, 1997.
184. Sgambato, A. Zhang, Y.J., Santella, R.M., and Weinstein, I.B. Deregulated expression of p27^{Kip1} in human breast cancer. *Clin. Cancer Res.* 3, 1879-1887, 1997.
185. Santella, R.M. DNA damage as an intermediate biomarker in intervention studies *Exper. Med. Biol.* 216, 166-171, 1997
186. Mathieu, A., Payne, J.F., Fancey, L.L., Santella, R.M., and Young, T.L. Polycyclic aromatic hydrocarbon DNA adducts in Beluga whales from the Arctic. *J. Toxicol. Environ. Health* 51, 1-4, 1997.
187. Zhang, Y.J., Geacintov, N.E., and Santella, R.M. Development of monoclonal antibody recognizing benzo[c]phenanthrenediol epoxide-DNA adducts: application to immunohistochemical detection of DNA damage. *Chem. Res. Tox.* 10, 948-952, 1997.
188. Yu, M.W., Lien, H.P., Chiu, Y.H., Santella, R.M., Liaw, Y.F., and Chen, C.J. Effect of aflatoxin metabolism and DNA adduct formation on hepatocellular carcinoma among chronic hepatitis B carriers in Taiwan. *J. Hepatology* 27, 320-330, 1997.

189. Romano, G., Mancini, R., Fedele, P., Curigliano, G., Flamini, G., Giovagnoli, M.R., Malara, N., Boninsegna, A., Vecchione, A., Santella, R.M., Cittadini, A. Immunohistochemical analysis of 4-aminobiphenyl-DNA adducts in oral mucosal cells of smokers and nonsmokers. *Anticancer Research* 17, 2827-2830, 1997.
190. Dickey, C., Santella, R.M., Hattis, D., Tang, D., Hsu, Y., Cooper, T., Young, T.L., and Perera, F.P. Variability in PAH-DNA adduct measurements in peripheral mononuclear cells: implications for quantitative cancer risk assessment. *Risk Analysis* 17, 649-656, 1997.
191. Wang, L-Y, Chen, C.J., Zhang, Y-J., Tsai W-Y., Lee P-H., Feitelson, M.A., Lee, C-S., Santella, R.M. 4-Aminobiphenyl-DNA damage in liver tissue of hepatocellular carcinoma patients and controls. *Amer. J. Epi.* 147, 315-323, 1998.
192. Perera, F.P., Whyatt, R.M., Jedrychowski, W., Rauh, V., Manchester, D., Santella, R.M., and Ottman, R. Recent developments in molecular epidemiology - A study of the effects of environmental polycyclic aromatic hydrocarbons on birth outcomes in Poland *Amer. J. Epi.* 147, 309-314, 1998.
193. Flamini, G., Romano, Gianpiero, R., Curigliano, G., Chiominto, A., Capelli, G., Boninsegna, A., Signorelli, C., Ventura, L., Santella, R.M., Sgambato, A., and Cittadini, A. 4-Aminobiphenyl-DNA adducts in laryngeal tissue and smoking habits: an immunohistochemical study. *Carcinogenesis* 19, 353-357, 1998.
194. Whyatt, R.M., Santella, R.M., Jedrychowski, W., Garte, S.J., Bell, D.A., Ottman, R., Gladek-Yarborough, A., Cosma, G., Young, T.L., Cooper, T.B., Randall, M.C., Manchester, D.K., Perera, F.P. Relationship between ambient air pollution and DNA damage in Polish mothers and newborns *Envir. Health Perspect.* 106, 821-826, 1998.
195. Santella, R.M., Chen, C.J., Zhang, Y.J., Yu, M.W. and Wang, L.Y. Biological markers of aflatoxin B₁ in hepatocellular cancer in Taiwan in *Biomarkers Medical and Workplace Applications* Mendelson, M.L., Mohr, L.C., and Peeters, J.P. editors, Joseph Henry Press Washington DC 355-364, 1998
196. Sgambato, A., Zhang, Y.J., Ciaparrone, M., Soh, J.W., Cittadini, A., Santella, R.M., and Weinstein, I.B. Overexpression of p27^{Kip1} inhibits the growth of both normal and transformed human mammary epithelial cells. *Cancer Res.* 58, 3448-3454, 1998.
197. Whyatt, R.M., Bell, D.A., Jedrychowski, W., Santella, R.M., Garte, S.J., Cosma, G., Manchester, D.K., Young, T.L., cooper, T.B., Ottman, R., Perera, F.P. Polycyclic aromatic hydrocarbon-DNA adducts in human placenta and modulation by CYP1A1 induction and genotype. *Carcinogenesis* 19, 1389-1392, 1998.
198. Motykiewicz, G., Michalska, J., Pendzich, J., Malusecka, E., Strozyk, M., Kalinowska, E., Butkiewicz, D., Mielzynska, D., Midro, A., Santella, R.M., Chorazy, M. A molecular epidemiology study in women from Upper Silesia, Poland. *Toxicology Let.* 96,97, 195-202, 1998.
199. Zhang, Y.J., Weksler, B.B., Wang, L.Y., Schwartz, J. and Santella, R.M. Immunohistochemical detection of polycyclic aromatic hydrocarbon-DNA damage in human blood vessels of smokers and non-smokers *Atherosclerosis* 140, 325-331, 1998.
200. Begemann, M., Kashimawo, S.A., Lunn, R.M., Delohery, T., Choi, Y.J.A., Kim, S., Heitjan, D.F., Santella, R.M., Schiff, P.B., Bruce, J.N., and Weinstein, I.B. Growth inhibition induced by Ro31-8220 and calphostin C in human glioblastoma cell lines is associated with apoptosis and inhibition of CDC2 kinase. *Anticancer Res.* 18, 3139-3152, 1998.
201. Tang, D.L., Rundle, A., Warburton, D., Santella, R.M., Tsai, W.Y., Chiamprasert, S., Hsu, Y.Z., and Perera, F.P. Associations between both genetic and environmental biomarkers and lung cancer: evidence of a greater risk of lung cancer in women smokers. *Carcinogenesis* 19, 1949-1954, 1998.
202. Yao, Y.J., Zhang, H., Lee, P.K., Ahsan, H., Chen, C.J., Lee, P.O., Peacocke, M., Santella, R.M., and Tsou, H.C. PTEN/MMAC1 mutations in hepatocellular carcinomas. *Oncogene* 18, 3181-3185, 1999.
203. Calderon-Garciduenas, L., Wang, L.W., Zhang, Y.J., Rodriguez-Alcaraz, A., Osnaya, N., Villarreal-Calderon, A., Santella, R.M. 8-Hydroxy-2'-deoxyguanosine, a major mutagenic oxidative DNA lesion and DNA strand breaks in nasal respiratory epithelium of children exposed to urban pollution. *Environ. Health Persp.* 107, 469-474, 1999.
204. Zhao, J.F., Zhang, Y.J., Kubilus, J., Jin, X.H., Santella, R.M., Athar, M., Wang, Z.Y., Bickers, D.R. Reconstituted 3-dimensional human skin as a novel *in vitro* model for studies of carcinogenesis *Biochem. Biophys. Res. Commun.* 254 49-53, 1999

205. Romano, G., Sgambato, A., Boninsegna, A., Flamini, G., Curigliano, G., Yang, Q., LaGioia, V., Signorelli, C., Ferro, A., Capelli, G., Santella, R.M., and Cittadini, A. Evaluation of polycyclic aromatic hydrocarbon-DNA adducts in exfoliated oral cells by an immunohistochemical assay. *Cancer Epi. Biomarkers & Prevention* 8, 91-96, 1999.
206. Hoque, A., Patt, Y.Z., Yoffe, B., Groopman, J.D., Greenblatt, M.S., Zhang, Y.J., and Santella, R.M. Does aflatoxin B₁ play a role in the etiology of hepatocellular carcinoma (HCC) in the United States (U.S.)? *Nutrition and Cancer* 35, 27-33, 1999.
207. Yu, M.W., Chiu, Y.H., Yang, S.Y., Santella, R.M., Chern, H.D., Liaw, Y.F., Chen, C.J. Cytochrome P4501A1 genetic polymorphisms and risk of hepatocellular carcinoma among chronic hepatitis B carriers. *Brit. J. Cancer* 80, 598-603, 1999.
208. Santella, R.M. Immunologic methods for detection of DNA damage in humans. *Cancer Epi, Biomarkers & Prevention* 8, 733-739, 1999.
209. Zhao, J. F., Zhang, Y. J., Jin, X. H., Athar, M., Santella, R. M., Bickers, D. R., and Wang, Z. Y. Green tea protects against psoralen plus ultraviolet A-induced photochemical damage to skin. *J Invest Dermatol*, 113, 1070-1075, 1999.
210. Yu, M.W., Chiu, Y.H., Chiang, Y.C., Chen, C.H., Lee, T.H., Santella, R.M., Chern, H.D., Liaw, Y.F., and Chen, C.J. Plasma carotenoids, glutathione S-transferase M1 and T1 genetic polymorphisms and risk of hepatocellular carcinoma: independent and interactive effects. *Amer. J. Epi.* 149, 621-629, 1999.
211. Northridge, M.E., Yankura, J., Kinney, P.L., Santella, R.M., Shepard, P., Riojas, Y., Aggarwal, M., Strickland, P., and the Earth Crew Diesel exhaust exposure among adolescents in Harlem: a community-driven study. *Amer. J. Public Health* 89, 998-1002, 1999.
212. Yao, Y., Slosberg, E.D., Wang, L., Hibshoosh, H., Zhang, Y.J., Xing, W.Q., Santella, R.M., and Weinstein, I.B. Increased susceptibility to carcinogen-induced mammary tumors in MMTV-Cdc25B transgenic mice. *Oncogene* 18, 5159-5166, 1999.
213. Xu, A., Wu, L.J., Santella, R.M. and Hei, T. Role of oxyradicals in mutagenicity and DNA damage induced by crocidolite asbestos in mammalian cells. *Cancer Res.* 59, 5922-5926, 1999.
214. Fontana, R.J., Lown, K.S., Paine, M.F., Fortlage, L., Santella, R.M., Felton, J.S., Knize, M.G., Greenberg, A. and Watkins, P.B. Effects of a chargrilled meat diet on expression of CYP3A4, CYP1A, and P-glycoprotein levels in healthy volunteers. *Gastroenterology* 111 789-98, 1999
215. Poirier, M.C., Santella, R.M. and Weston, A. Carcinogen macromolecular adducts and their measurement. *Carcinogenesis* 21, 353-359, 2000.
216. Santella, R.M., Gammon, M., Motykiewicz, G., Young T.L., Zhang, Y.J., Hayes, S.C., Terry, M.B., Schoenberg, J.A., Brinton, L.A., Bose, S., Teitelbaum, S.L., Hibshoosh, H. Immunohistochemical analysis of polycyclic aromatic hydrocarbon-DNA adducts in breast tumor tissue. *Cancer Letters* 154, 143-149, 2000.
217. Zhang, Y.J., Chen, S.Y., Tsai, W.Y., Ahsan, H., Lunn, R.M., Wang, L.Y., Chen, C.J. and Santella, R.M. Expression of Cytochrome P450 1A1/2 and 3A4 in Liver tissues of hepatocellular carcinoma cases and controls from Taiwan and their relationship to Hepatitis B virus and aflatoxin B₁- and 4-aminobiphenyl-DNA adducts. *Biomarkers* 5, 295-306, 2000.
218. Simpson, C.D., Wu, M.T., Christiani, D.C., Santella, R.M., Carmella, S.G. and Hecht, S.S. Determination of *r*-7,*t*-8,9,*c*-10-tetrahydrozy-7,8,9,10-tetrahydrobenzo[*a*]pyrene in human urine by gas chromatography-negative ion chemical ionization-mass spectrometry. *Chem. Res. Toxicol.* 13, 271-280, 2000.
219. Banerjee, R., Caruccio, L., Zhang, Y.J., McKercher, S., and Santella, R.M. Effects of carcinogen induced transcription factors on the activation of hepatitis B virus expression in human hepatoblastoma HEPG2 cells and its implication on hepatocellular carcinomas. *Hepatology* 32, 367-374, 2000.
220. Santella, R.M., Carcinogen-DNA and protein adducts: Markers of exposure and risk. *Proceeding of the International Symposium on Recent Advances in Molecular Markers for Carcinogenesis & Chemoprevention* 2-17, 2000.
221. Yao, Y., Doki, Y., Jiang, W., Imoto, M., Venkatraj, V.S., Warburton, D., Santella, R.M., Lu, B.F., Yan, L.B., Sun, X.H., Su, T., Luo, J.Q. and Weinstein, I.B. Cloning and characterization of DIP1, a novel protein that is related to the Id family of proteins. *Exp. Cell Res.* 257, 22-28, 2000.

222. Jacobson, J.S., Begg, M.D., Wang, L.W., Wang, Q., Agarwal, M., Norkus, E.P., Singh, V.N., Young, T.L., Yang, D., and Santella, R.M. Effects of a six-month intervention on DNA damage in heavy smokers. *Cancer Epidemiol. Biomark. Prevent.*, 9: 1303-1311, 2000.
223. Bostwick, D.G., Alexander, E.E., Singh, R., Shan, A., Qian, J., Santella, R.M., Oberley, L.W., Yan, T., Zhong, W., Jiang, X., and Oberley, T.D. Antioxidant enzyme expression and reactive oxygen species damage in prostatic intraepithelial neoplasia and cancer. *Cancer* 89, 123-34, 2000
224. Chen, S.Y. Chen, C.J. Tsai, W.Y., Ahsan, H., Liu, T.Y., Lin, J.T. and Santella, R.M. Associations of plasma aflatoxin B₁-albumin adducts level with plasma selenium level and genetic polymorphisms of glutathione S-transferase M1 and T1. *Nutrition and Cancer* 38, 179-185, 2000.
225. Whyatt, R.M., Perera, F.P., Jedrychowski, W., Santella, R.M., Garte, S., Bell, D.A. Association between Polycyclic aromatic hydrocarbon-DNA adduct levels in maternal and newborn white blood cells and glutathione S-transferase P1 and CYP1A1 polymorphisms. *Cancer Epi, Biomarkers & Prevention* 8, 207-212, 2000.
226. Hoque, A., Albanes, D., Lippman, S.M., Spitz, M.R., Taylor, P.R., Klein, E.A., Thompson, I.M., Goodman, P., Stanford, J.L., Crowley, J.J., Coltman, C.A., and Santella, R.M.. Molecular Epidemiologic Studies within the Selenium and Vitamin E Cancer Prevention Trial (SELECT). *Cancer Causes and Control* 12, 627-633, 2001.
227. Sun, C.A., Wang, L.Y., Chen, C.J., Lu, S.N., You, S.L., Wang, L.W., Wang, Q., Wu, D.M. and Santella, R.M. Genetic polymorphisms of glutathione S-transferase M1 and T1 associated with susceptibility to aflatoxin-related hepatocarcinogenesis among chronic hepatitis B carriers: A nested case-control study in Taiwan. *Carcinogenesis* 22: 1289-1294, 2001
228. Ahsan, H., Wang, L.Y., Chen, C.J., Tsai, W.Y. and Santella, R.M. Intraindividual variability in aflatoxin-albumin adduct levels and effects of hepatitis B and C virus infection and glutathione S-transferase M1 and T1 genotype. *Envir. Health Persp.* 109, 833-837, 2001
229. Whyatt, R.M., Jedrychowski, W., Hemminki, K., Santella, R.M., Tsai, W.Y., Yong, K. and Perera, F.P. Biomarkers of polycyclic aromatic hydrocarbon-DNA damage and cigarette smoke exposures in paired maternal and newborn blood samples as a measure of differential susceptibility. *Cancer Epi. Biomarkers & Prevention* 10, 581-588, 2001
230. Reinisch, W., Nahavandi, H., Santella, R.M., Zhang, Y.J., Gasche, C., Moser, G., Waldhans, T., Gangl, A., Vogelsang, H., and Knobler, R. Extracorporeal photochemotherapy in patients with steroid-dependent Crohn's disease: a prospective study. *Aliment. Pharmacol. Ther.* 15, 1313-1322, 2001.
231. Chen, S.Y. Chen, C.J. Chou, S.R., Hsieh, L.L., Wang, L.Y., Tsai, W.Y., Ahsan, H., and Santella, R.M. Association of aflatoxin B₁-albumin adduct levels with hepatitis B surface antigen status among adolescents in Taiwan. *Cancer Epidemiol. Biomark. Prevention* 10, 1223-1226, 2001.
232. Santella, R.M. Immunoassays for Carcinogen-DNA and Protein Adducts. *Acta Medic Romana* 39, 162-174, 2001.
233. Motykiewicz, G., Malusecka, E., Michalska, J., Kalinowska, E., Wloch, J., Butkiewicz, D., Mazurek, A., Lange, D., Perera, F.P., Santella, R.M. Immunoperoxidase detection of polycyclic aromatic hydrocarbon-DNA adducts in breast tissue sections. *Cancer Detection and Prevention* 25, 328-335, 2001.
234. Zhang, Y.J., Chang, S.Y., Hsu, T.M., and Santella, R.M. Immunohistochemical detection of malondialdehyde-DNA adducts in human oral mucosa cells. *Carcinogenesis*, 23, 207-211, 2002.
235. Zhang, Y.J., Chen, S.Y., Chen, C.J. and Santella, R.M., Polymorphism of the cyclin D1 gene in hepatocellular carcinoma. *Molecular Carcinogenesis* 33, 125-129, 2002.
236. Chen, S.Y., Wang, L.Y., Lunn, R.M., Tsai, W.Y., Lee, P.H., Lee, C.S., Ahsan, H., Zhang, Y.J., Chen, C.J., and Santella, R.M., Polycyclic aromatic hydrocarbon-DNA adducts in liver tissues of hepatocellular carcinoma patients and controls. *Int. J. Cancer* 99, 14-21, 2002.
237. Gammon, M.D., Neugut, A. I., Santella, R.M., Teitelbaum, S.L., Britton, J.A., Terry, M.B., Eng, S.M., Wolff, M.S., Stellman, S.D., Kabat, G., Levin, B., Bradlow, H.L., Hatch, M., Beyea, J., Camann, D., Trent, M., Senie, R., Garbowski, G. C., Maffeo, C., Montalvan, P., Berkowitz, G., Kemeny, M., Citron, M., Schnabel, F., Schuss, A., Hajdu, S., Vinceguerra, V., Collman, G. W., and Ostram, G. I. The Long Island Breast Cancer Study Project: description of a multi-institutional collaboration to identify environmental risk factors for breast cancer. *Environ. Breast Cancer Research and Treatment* 74, 235-254, 2002.

238. Gammon, M.D., Santella, R.M., Neugut, A. I., Eng, S.M., Teitelbaum, S.L., Paykin, A., Levin, B., Terry, M.B., Young, T.L., Wang, L., Wang, Q., Britton, J.A., Wolff, M.S., Stellman, S.D., Hatch, M., Kabat, G., Senie, R., Senie, R., Garbowski, G., Maffeo, C., Montalvan, P., Berkowitz, G., Kemeny, M., Citron, M., Schnabel, F., Schuss, A., Hajdu, S., and Vinceguerra, V. Environmental toxins and breast cancer on Long Island. I. Polycyclic aromatic hydrocarbon-DNA Adducts. *Cancer Epi. Biomarkers & Prevention* 11, 677-685, 2002.

239. Gammon, M.D., Wolff, M.S., Neugut, A. I., Eng, S.M., Teitelbaum, S.L., Britton, J.A., Terry, M.B., Levin, B., Stellman, S.D., Kabat, G., Hatch, M., Senie, R., Berkowitz, G., Bradlow, H.L., Garbowski, G., Maffeo, C., Montalvan, P., Kemeny, M., Citron, M., Schnabel, F., Schuss, A., Hajdu, S., Vinceguerra, V., Niguidula, N., Ireland, K. and Santella, R.M., Environmental Toxins and breast cancer on Long Island. II. Organochlorine compound levels in blood. *Cancer Epi. Biomarkers & Prevention* 11, 686-691, 2002.

240. Andrulis, I.L., Anton-Culver, H., Beck, J., Bove, B., Boyd, J., Buys, S., Godwin, A., Hopper, J., Li, F., Neuhausen, S.L., Ozelik, H., Peel, D., Santella, R.M., Southey, M., van Orsouw, N., Venter, D., Vijg, J., and Whittemore, A. for the Cooperative Family Registry for Breast Cancer Studies. Comparison of DNA- and RNA- Based Methods for Detection of Truncating *BRCA1* Mutations. *Human Mutation* 20, 65-73, 2002.

241. Carlson, N., Lechago, J., Richter, J., Sampliner, R.E., Peterson, L., Santella, R.M., Goldblum, J., Falk, G., Ertan, A. and Younes, M. Acid suppression therapy (AST) may not alter malignant progression in Barrett's metaplasia (BM) showing p53 protein accumulation. *Amer. J. Gastroenterology* 97, 340-345, 2002.

242. Motykiewicz, G., Faraglia, B., Wand, L., Terry, M.B., Senie, R.T. and Santella, R.M. Removal of benzo(a)pyrene diol epoxide (BPDE)-DNA adducts as a measure of DNA-repair capacity in lymphoblastoid cell lines from sisters discordant for breast cancer. *Environmental and Molecular Mutagenesis* 40, 93-100, 2002.

243. Perera, F.P., Hemminki, K., Jedyrychowski, W., Whyatt, R., Hsu, Y., Campbell, R., Santella, R.M., O'Neill, P. DNA Damage from Environmental Carcinogens is Associated with Somatic Gene Mutation in Newborns. *Cancer Epi. Biomarkers & Prevent.* 11, 1134-1137, 2002.

244. Kessel, M., Liu, S.X., Xu, A., Santella, R. and Hei, T.K. Arsenic induces oxidative DNA damage in mammalian cells. *Molecular and Cellular Biochemistry* 234/235 301-308, 2002.

245. Zhang, Y.J., Ahsan, H., Chen, Y., Lunn, R., Wang, L.Y., Chen, S.Y., Lee, P.H., Chen, C.J. and Santella, R.M. High frequency of promoter hypermethylation of the RASSF1A and p16 genes and its relationship to aflatoxin B1-DNA adduct levels in human hepatocellular carcinoma. *Molecular Carcinogenesis* 35, 85-92, 2002.

246. Santella, R.M. Mechanisms and biological markers of carcinogenesis. in *Cancer Precursors: Epidemiology, Detection, and Prevention*, Franco, E.L. and Rohan, T.E. eds. Springer New York 7-19, 2002

247. Sun, C.A., Wu, D.M., Wang, L.Y., Chen, C.J., You, S.L. and Santella, R.M. Determinants of formation of aflatoxin-albumin adducts: a seven-township study in Taiwan. *British J Cancer* 87: 966-970, 2002

248. Gaspari, L., Chang, S-S., Santella, R.M., Garte, S., Pedotti, P. and Taioli, E. Polycyclic aromatic hydrocarbon-DNA adducts in human sperm as a marker of DNA damage and infertility. *Mutation Research, Genetic Toxicology and Environmental Mutagenesis* 535, 155-160, 2003.

249. Singh, R., McEwan, M., Lamb, J.H., Santella, R.M. and Farmer, P.B. An improved liquid chromatography-mass spectrometry/mass spectrometry method for the determination of 8-hydroxy-2'-deoxyguanosine in DNA samples using immunoaffinity column purification. *Rapid Communications in Mass Spectrometry* 17; 126-134, 2003.

250. Krebs, C., Koestner, W., Nissen, M., Welge, V., Parusel, I., Malavasi, F., Leiter, E., Santella, R.M., Haag, F. and Koch-Nolte, F. Flow cytometric and immunoblot assays for cell surface ADP-ribosylation using a monoclonal antibody specific for ethenoadenosine. *Analytical Biochem* 314: 108-115, 2003.

251. Faraglia, B., Chen, S.Y., Gammon, M.D., Zhang, Y.J., Teitelbaum, S., Neugut, A.I., Ahsan, H., Garbowski, G.C., Hibshoosh, H., Lin, D., Kadlubar, F.F., and Santella, R.M. Evaluation of 4-aminobiphenyl-DNA adducts in human breast cancer: The influence of tobacco smoke. *Carcinogenesis* 24, 719-725, 2003.

252. Gammon, M.D. and Santella, R.M. Correspondence re: Gammon *et al.*, Environmental toxins and breast cancer on Long Island. I. Polycyclic aromatic hydrocarbon DNA adducts. *Cancer Epidemiology, Biomarkers & Prevention* 12, 75-6, 2003.

253. Ahsan, H., Chen, Y., Wang, Q., Slovovich, V., Graziano, J.H., and Santella, R.M. DNA repair gene *XPD* and susceptibility to arsenic-induced hyperkeratosis. *Toxicology Letters* 143, 123-131, 2003.
254. Weiserbs, K.F., Jacobson, J.S., Begg, M.D., Wang, L.W., Wang, Q., Agrawal, M., Norkus, E.P., Young, T.L. and Santella, R.M. A cross-sectional study of polycyclic aromatic hydrocarbon-DNA adducts and polymorphism of glutathione S-transferases among heavy smokers by race/ethnicity. *Biomarkers* 8, 142-155, 2003.
255. Ahsan H., Chen Y., Kibriya MG., Islam MN., Slavkovich VN., Graziano JH. Santella RM. Susceptibility to arsenic-induced hyperkeratosis and oxidative stress genes myeloperoxidase and catalase. *Cancer Letters*. 201, 57-65, 2003
256. Rahman, M.H., Arslan, M.I., Chen, Y., Ali, S., Parvin, T., Wang, L.W., Santella, R.M., Ahsan, H. Polycyclic aromatic hydrocarbon-DNA adducts among rickshaw drivers in Dhaka City, Bangladesh. *Int. Arch. Occup. Environ. Health* 76, 533-538, 2003.
257. Smith SJ, Neugut A, Heitjan D, Forde K, Holt P, Santella RM, Jiin-Chyuan L, Carney W, Ward L, Brandt-Rauf PW. In situ quantification of aberrant p53 in colorectal neoplasia. *Biomarkers* 8 (3-4):311-32, 2003.
258. Zhang, Y.J., Chen, Y., Ahsan, H., Lunn, R.M., Lee, P.H., Chen, C.J., and Santella, R.M. Inactivation of the DNA repair gene O⁶-Methylguanine-DNA methyltransferase by promoter hypermethylation and its relationship to aflatoxin B₁-DNA adducts and p53 mutation in hepatocellular carcinoma *Int. J. Cancer* 103, 440-444, 2003.
259. Lai JC, Benimetskaya, L, Santella, RM, Wang, Q, Miller, PS and Stein, CA G3139 (oblimersen) may inhibit prostate cancer cell growth in a partially bis-CpG-dependent non-antisense manner. [Molecular Cancer Therapeutics](#) 2, 1031-1043, 2003
260. Chen, S.Y., Liu, T.Y., Shun, C.T., Wu, M.S., Lu, T.H., Lin, J.T., Sheu, J.C., Santella, R.M. and Chen, C.J. Modification effects of *GSTM1*, *GSTT1* and *CYP2E1* polymorphisms on associations between raw salted food and incomplete intestinal metaplasia in a high-risk area of stomach cancer. *Int. J. Cancer* 108, 606-612, 2004.
261. Machella, N., Regoli, F., Cambria, A., and Santella, R.M. Application of an immunoperoxidase staining method for detection of 7,8-dihydro-8-oxodeoxyguanosine as a biomarker of chemical-induced oxidative stress in marine organisms. *Aquatic Toxicology* 67, 23-32, 2004.
262. John, E.M., Hopper, J.L., Beck, J.C., Knight, J.A., Neuhausen, S.L., Senie, R.T., Ziogas, A., Andrulis, I.L., Anton-Culver, H., Boyd, N., Buys, S.S., Daly, M.B., Santella, R.M., Southey, M.C., Venne, V.L., Venter, D.J., West, D.W., Whittemore, A.S. and Seminara, D. for the Breast Cancer Family Registry. The Breast Cancer Family Registry (Breast CFR): An infrastructure for cooperative multinational, interdisciplinary and translational studies of the genetic epidemiology of breast cancer. *Breast Cancer Res.* 2004;6:R375-R389
263. DeBord D.G., Savage R.E. Jr., Drexler H., Freeman C., Groopman J., Jayjock M., McDiarmid M., Morgan M., Santella R., Schulte P., Talaska G., Tardiff R. Viau C. A summary of the workshop applying biomarkers to occupational health practice. *Journal of Occupational & Environmental Hygiene*. 1(5):D57-60, 2004.
264. Spitz M. R., Santella R, M., Boffetta P., Buffler P. Subgroup report: head and neck cancer. IARC Scientific Publications. (157):41-7, 2004.
265. Terry, M.B., Gammon, M.D., Eng, S., Paykin, A., Wang, Q., Hayes, S., Neugut, A., Teitelbaum, S.L., and Santella, R.M. Polymorphism in the DNA repair gene *XPD*, polycyclic aromatic hydrocarbon-DNA adducts, cigarette smoking and breast cancer risk. *Cancer Epi. Biomarkers & Prevention* 13, 2053-2058, 2004.
266. Machella, N., Regoli, F., Cambria, A., and Santella, R.M. Oxidative damage to DNA: an immunohistochemical approach for detection of 7,8-dihydro-8-oxodeoxyguanosine in marine organisms. *Marine Environmental Res.* 58, 725-729, 2004.
267. Ahn, J., Gammon, M.D., Santella, R.M., Gaudet, M.M., Britton, J.A., Teitelbaum, S.L., Terry, M.B., Neugut, A.I., Josephy, P.D. and Ambrosone, C.B. Myeloperoxidase (MPO) genotype, fruit and vegetable consumption, and breast cancer risk. *Cancer Research* 64, 7634-7639, 2004.
268. Ahsan, H., Chen, Y., Whittemore, A.S., Kibriya, M.G., Gurchich, I., Senie, R.T., Santella, R.M. A family-based genetic association study of variants in estrogen-metabolism genes *COMT* and *CYP1B1* and breast cancer risk. *Breast Cancer Research and Treatment* 85, 121-31, 2004
269. Gammon, M.B., Sagiv, S.K., Eng, S.M., Shantakumar, S., Gaudet, M.M., Teitelbaum, S.L., Britton, J.A., Terry, M.B.,

- Wang, L.W., Qiao, Q., Stellman, S.D., Beyea, J., Hatch, M., Kabat, G.C., Wolff, M.S., Levin, B., Neugut, A.I., and Santella, R.M. Polycyclic aromatic hydrocarbon (PAH)-DNA adducts and breast cancer: a pooled analysis. *Arch. Environ. Health* 59, 640-649, 2004. PMC4277204
270. Kennedy, D.D, Santella, R.M., Qiang, Q., Ladas, E. And Kelley, K.M. 8-oxo-dG elevated in children during leukemia treatment *Integrative Cancer Therapies* 3, 301-309, 2004.
271. Gammon, M.D., Eng, S.M., Teitelbaum, S.L., Britton, J.A., Kabat, G.C., Hatch, M., Paykin, A.B., Neugut, A.I. and Santella, R. M. Environmental Tobacco Smoke and Breast Cancer Incidence. *Environmental Research* 92, 176-185, 2004
272. Peng, T., Liu, Z.M., Liu, T.W., Li, L.Q., Peng, M.H., Qin, X., Yan, L.N., Liang, R.X., Wei, Z.L., Wang, L.W., Wang, Q., Shen, H.M., Ong, C.N., Santella, R.M. Associated factors in modulating aflatoxin B1-albumin-adducts level in three Chinese populations. *Digestive Diseases and Sciences* 50, 525-532, 2005.
273. Ahsan, H., Whittemore, A.S., Chen, Y., Senie, R.T., Hamilton, S.P., Wang, Q., Gurvich, I., Santella, R.M. Variants in estrogen-biosynthesis genes *CYP17* and *Cyp 19* and breast cancer risk: a family-based genetic association study. *Breast Cancer Research* 7, R71-R81, 2005.
274. Lippman, S., Goodman, P., Klein, E., Parnes, H., Thompson, I., Kristal, A., Santella, R.M., Probstfield, J., Moinpour, C., Albanes, D., Taylor, P., Minasian, L., Hoque, A., Thomas, S., Crowley, J., Gaziano, J., Stanford, J., Cook, E., Fleshner, N., Lieber, M., Walther, P., Khuri, F., Karp, D., Schwartz, G., Ford, L., Coltman, Jr., C., Designing the Selenium and Vitamin E Cancer Prevention Trial (Select) *Journal of the National Cancer Institute* 97, 94-102, 2005.
275. Kennedy, D.O., Agrawal, M., Shen, J., Terry, M.B., Zhang, F.F., Senie, R.T., Motykiewicz, G., and Santella, R.M. DNA repair capacity of lymphoblastoid cell lines from sisters discordant for breast cancer. *Journal of the National Cancer Institute* 97, 127-132, 2005. 15657342
276. Kelley, M.J., Glaser, E.M., Herndon, J.E, Becker, F., Zhang, Y-J., Santella, R.M., Carmella, S.G., Hecht, S.S., Gallot, L., Schilder, L., Crowell, J.A., Perloff, M., Folz, R.J., and Bergan, R.C. Safety and efficacy of weekly oral oltipraz in chronic smokers. *Cancer Epidemiology, Biomarkers & Prevention* 14 892-899, 2005.
277. Chen, J., Gammon, M.D., Chan, W., Palomeque, C., Wetmur, J.G., Kabat, G.C., Teitelbaum, S.T., Britton, J.A., Terry, M.B., Neugut, A.I., and Santella, R.M. One-Carbon metabolism, *MTHFR* polymorphisms and risk of breast cancer. *Cancer Research* 65, 1606-1614, 2005.
278. Santella, R.M., Gammon, M., Terry, M.B., Senie, R., Shen, J., Kennedy, D., Agrawal, M., Faraglia, B., Zhang, F.F. DNA adducts, DNA repair genotype/phenotype and cancer risk. *Mutation Research* 592, 29-35, 2005.
279. Kristal, A.R., King, I.B., Albanes, D., Pollak, M.N., Stanzky, F.Z., Santella, R.M., and Hoque, A. Centralized blood processing for the Selenium and Vitamin E Cancer Prevention Trial: Effect of delayed processing on carotenoids, tocopherols, insulin-like growth factor-1, insulin-like growth factor binding protein3, steroid hormones and lymphocyte viability. *Cancer Epi. Biomarkers & Prevention* 14, 727-730, 2005.
280. Machella, N., Regoli, F., Santella, R.M. Immunofluorescent detection of 8-oxo-dG and PAH bulky adducts in fish liver and mussel digestive gland. *Aquatic Toxicology* 71 335-343, 2005.
281. Wolff, M.S., Teitelbaum, S.L., Liroy, P.J., Santella, R.M., Wang, R.Y., Jones, R.L., Caldwell, K.L., Sjodin, A., Turner, W.E., Li, W., Georgopoulos, P., and Berkowitz, G.S. Exposures among pregnant women near the World Trade Center site on 11 September 2001. *Environ. Health Perspectives* 113, 739-748, 2005.
282. Ahn, J., Gammon, M.D., Santella, R.M., Gaudet, M.M., Britton, J.A., Teitelbaum, S.L., Terry, M.B., Nowell, S., Davis, W., Garza, C., Neugut, A.I., Ambrosone, C.B. Associations between breast cancer risk and the endogenous antioxidant catalase (CAT), fruit and vegetable consumption, and supplement use. *Amer. J. Epi.* 162, 1-10, 2005.
283. Wolff, M.S., Britton, J.A., Teitelbaum, S.L., Eng, S., Deych, E., Ireland, K., Liu, Z., Neugut, A.I., Santella, R.M., Gammon, M.D. Improving organochlorine biomarker models for cancer research. *Cancer Epi. Biomarkers & Prevention* 14, 2224-2236, 2005.
284. Gaudet, M.M., Gammon, M.D., Santella, R.M., Britton, J.A., Teitelbaum, S.L., Eng, S.M., Terry, M.B., Bensen, J.T., Schroeder, J., Olshan, A.F., Neugut, A.I., and Ambrosone, C.A. MnSOD Val-9Ala genotype, pro- and anti-oxidant environmental modifiers, and breast cancer among women on Long Island, New York *Cancer Causes and Control* 16, 1225-1234, 2005

285. Ahn, J., Gammon, M.D., Santella, R.M., Gaudet, M.M., Britton, J.A., Teitelbaum, S.L., Terry, M.B., Neugut, A.I. and Ambrosone, C.B. No Association between GPX1 Pro198 Leu polymorphism and breast cancer risk. *Cancer Epidemiology, Biomarkers & Prevention* 14, 2459-61, 2005.
286. Paracchini, V., Chang, S.S., Santella, R.M., Garte, S., Pedotti, P., Taioli, E. GSTM1 deletion modifies the levels of polycyclic aromatic hydrocarbon-DNA adducts in human sperm. *Mutation Res.* 586, 97-101, 2005.
287. Shen, J., Terry, M.B., Gammon, M.D., Wang, L.W., Wang, Q., Zhang, F.F., Teitelbaum, S.L., Neugut, A., Santella, R.M. Genetic polymorphisms in the DNA repair gene XRCC1 and, interaction with PAH-DNA adducts on breast cancer risk. *Cancer Epi. Biomarkers & Prevention* 14, 336-42, 2005
288. Zhang, Y.J., Chen, Y., Ahsan, H., Lunn, R.M., Chen, S.Y., Lee, P.H., Chen, C.J. and Santella, R.M. Silencing of glutathione S-transferase P1 by promoter hypermethylation and its relationship to environmental chemical carcinogens in hepatocellular carcinoma. *Cancer Letters* 221, 135-143, 2005.
289. Shen, J., Terry, M.B., Gammon, M.D., Zhang, F.F., Teitelbaum, S.L., Eng, S.M., Sagiv, S.K., Gaudet, M.M., Neugut, A. I., and Santella, R.M. *MGMT* genotype, haplotype and susceptibility to breast cancer — evidence from a population-based case-control study. *Carcinogenesis* 12, 2131-2137, 2005
290. Shantakumar, S., Gammon, M.D., Eng, S.M., Sagiv, S.K., Gaudet, M.M., Teitelbaum, S.T., Britton, J.A., Terry, M.B., Paykin, A., Young, T.L., Wang, L.W., Wang, Q., Stellman, S.D., Beyea, J., Hatch, M., Camann, D., Prokopczyk, B., Kabat, G.C., Levin, B., Neugut, A.I. and Santella, R.M. Residential environmental exposures and other characteristics associated with detectable PAH-DNA adducts in peripheral mononuclear cells in a population-based sample of adult females. *J. Expo. Anal. Environ. Epi.* 65, 1606-14, 2005.
291. Shen, J., Terry, M.B., Gammon, M.D., Gaudet, M.M., Teitelbaum, S.L., Eng, S.M., Sagiv, S.K., Neugut, A. I., and Santella, R.M. IGHMBP2 Thr671Ala polymorphism might be a modifier for the effects of cigarette smoking and PAH-DNA adducts to breast cancer risk. *Breast Cancer Research and Treatment* 99, 1-7, 2006.
292. Zhang, Y.J., Rossner, P., Chen, Y., Agrawal, M., Wang, Q., Wang, L., Ahsan, H., Yu, M.W., Lee, P.H., Santella, R.M. Aflatoxin B1 and polycyclic aromatic hydrocarbon adducts, p53 mutations and p16 methylation in liver tissue and plasma of hepatocellular carcinoma patients. *Int. J. Cancer* 119, 985-991, 2006.
293. Rossner, P., Terry, M.B., Gammon, M.D., Zhang, F.F., Teitelbaum, S.L., Eng, S.M., Sagiv, S.K., Gaudet, M.M., Neugut, A. I., and Santella, R.M. *OGG1* polymorphism and breast cancer risk. *Cancer Epi. Biomarkers & Prevention* 15, 811-5, 2006.
294. Rossner, P., Gammon, M.D., Terry, M.B., Agrawal, M., Zhang, F.F., Teitelbaum, S.L., Eng, S.M., Gaudet, M.M., Neugut, A. I., and Santella, R.M. Relationship between urinary 15-F_{2t}-isoprostane and 8-oxodeoxyguanosine levels and breast cancer risk. *Cancer Epi. Biomarkers & Prevention* 15, 639-44, 2006.
295. Li, H., Zhang, Y., Santella, R.M. and Weinstein, I.B. *Hint1* is a haplo-insufficient tumor suppressor in mice. *Oncogene* 25, 713-721, 2006.
296. Gaudet, M.M., Bensen, J.T., Olshan, A.F., Schroeder, J., Terry, M.B., Eng, S.M., Teitelbaum, S.L., Britton, J.A., Lehman, T.A., Neugut, A.I., Ambrosone, C.B., Santella, R.M., Gammon, M.D. COMT haplotypes, hormonal factors, and breast cancer among women on Long Island, New York. *Breast Cancer Res Treat* 2006.
297. Louis, E.D., Factor-Litvak, P., Parides, M., Andrews, L., Santella, R.M., and Wolff, M.S. Organochlorine pesticide exposure in essential tremor: A case-control study using biological and occupational exposure assessments. *Neurotoxicology* 27(4):579-86, 2006.
298. Beyea, J., Hatch, M., Stellman, S.D., Santella, R.M., Teitelbaum, S.L., Prokopczyk, B., Camann, D., Gammon, M.D. Validation and calibration of a model used to reconstruct historical exposure to polycyclic aromatic hydrocarbons for use in epidemiologic studies. *Environmental Health Perspectives* 114, 1053-1058, 2006.
299. Terry, M.B., Gammon, M.D., Zhang, F.F., Knight, J.A., Wang, Q., Britton, J.A., Teitelbaum, S.L., Neugut, A.I. and Santella, R.M. *ADH3* genotype, alcohol intake, and breast cancer risk. *Carcinogenesis* 27, 840-847, 2006.
300. Cleveland, R.J., Gammon, M.D., Edmiston, S.N., Teitelbaum, S.L., Britton, J.A., Terry, M.B., Eng, S.M., Neugut, A.I., Santella, R.M. and Conway, K. *IGF1 CA* repeat polymorphisms, lifestyle factors and breast cancer risk in the Long Island Breast Cancer Study Project. *Carcinogenesis* 27, 758-765, 2006

301. Ahn, J., Gammon, M.D., Santella, R.M., Gaudet, M.M., Britton, J.A., Teitelbaum, S.T., Terry, M.B., Neugut, A.I., Eng, S.M., Zhang, Y., Garza, C. and Ambrosone, C.B. Effects of glutathione S-transferase A1 (*GSTA1*) genotype and potential modifiers on breast cancer. *Carcinogenesis* 27, 1876-1882, 2006.
302. Li, Y., Marion, M.J., Zipprich, J., Freyer, G., Santella, R.M., Kanki, C., Brandt-Rauf, P.W. The role of XRCC1 polymorphisms in base excision repair of etheno-DNA adducts in French vinyl chloride workers. *Int. J. Occup. Environ. Health* 19, 45-52, 2006.
303. Shen, J., Desai, M., Agrawal, M., Kennedy, D., Senie, R.S., Santella, R.M. and Terry, M.B. Polymorphisms in nucleotide excision repair genes and DNA repair capacity in sisters discordant for breast cancer *Cancer Epi., Biomarkers & Prevention* 15,1614-1619, 2006.
304. Spurdle, A.B., Antoniou, A.C., Kelemen, L., Holland, H. Peock, S., Cook, M.R., Smith, P.L., Greene, M.H., Simard, J., Plourde, M., Southey, M., Godwin, A., Beck, J., Miron, A., Daly, M., Santella, R., Hopper, J., John, E.M., Andrulis, I., Durocher, F., Struwing, J.F., ABCFS, AJBCS, BCFR, INHERIT, kConFab, EMBRACE Study Collaborators, Easton, D.F., Chenevix-Trench, G. The AIB1 polyglutamine repeat does not modify breast cancer risk in BRCA1 and BRCA2 mutation carriers. *Cancer Epi, Biomarkers & Prevention* 15 76-79, 2006
305. Santella RM. Approaches to DNA/RNA Extraction and whole genome amplification. *Cancer Epidemiology, Biomarkers & Prevention*. 15(9):1585-7, 2006.
306. Shen J, Gammon MD, Terry MB, Teitelbaum SL, Neugut AI, Santella RM. [Genetic polymorphisms in the cyclooxygenase-2 gene, use of nonsteroidal anti-inflammatory drugs, and breast cancer risk](#). *Breast Cancer Res*. 2006;8(6):R71.PMCID: PMC1797023.
307. Perera FP, Tang D, Brandt-Rauf P, Santella RM, Mooney LV, Tu YH, Bendkowska I, Bell DA. Lack of associations among cancer and albumin adducts, ras p21 oncoprotein levels, and CYP1A1, CYP2D6, NAT1, and NAT2 in a nested case-control study of lung cancer within the physicians' health study. *Cancer Epidemiology, Biomarkers & Prevention*. 15(7):1417-9, 2006.
308. Greenlee, H., Chen, Y., Kabat, G.C., Wang, Q., Kibriya, M.G., Gurvich, I., Sepkovic, D.W., Bradlow, H.L., Senie, R.T., Santella, R.M., and Ahsan, H. Variants in estrogen metabolism and biosynthesis genes and urinary estrogen metabolites in women with a family history of breast cancer. *Breast Cancer Res. Treatment* 102, 111-7, 2007.
309. Sanyal, M., Mercan, D., Belander, K., Santella, R.M. DNA adducts in human placenta exposed to ambient environment and cigarette smoke during pregnancy *Birth Defects Research Part A: Clinical and Molecular Teratology* 79, 289-94, 2007.
310. Zhang, Y-J., Wu, H-C., Shen, J., Ahsan, H., Tsai, W.Y., Yang, H.I., Wang, L.Y., Chen, S.Y., Chen, C.J. and Santella, R.M. Predicting hepatocellular carcinoma by detection of aberrant promoter methylation in serum DNA. *Clinical Cancer Research* 13, 2378-2384, 2007.
311. Terry, M.B., Knight, J.A., Lydia Zablotska, L., Santella, R.M., Wang, Q., Daly, M. and John, E. Alcohol metabolism, alcohol intake, and Breast Cancer Risk: A sister-pair analysis *Breast Cancer Research and Treatment* 106, 281-288, 2007.
312. Sagiv, S.K., Gaudet, M.M., Eng, S.M., Abrahamson, P.E., Shantakumar, S., Teitelbaum, S.L., Britton, J.A., Bell, P., Thomas, J.A., Neugut, A.I., Santella, R.M., Gammon, M.D. Active and passive cigarette smoke and breast cancer survival. *Annal. Epi.* 17, 385-93, 2007.
313. Steck, S.E., Gaudet, M.M., Eng, S.M., Britton, J.A., Teitelbaum, S.L., Neugut, A.I., Santella, R.M., and Gammon, M.D. Lifetime versus recent dietary intake of sources of polycyclic aromatic hydrocarbons and heterocyclic amines and breast cancer risk. *Epidemiology* 18, 373-381, 2007.
314. Rossner, P., Sveciva, V, Milcova, A., Lnenickova, Z., Solansky, I., Santella, R.M., and Sram, R.J. Oxidative and nitrosative stress markers in bus drivers. *Mutation Research* 617 23-32, 2007.
315. Guerrero-Preston R., Santella R.M., Blanco A., Desai M., Berdasco M., Fraga M. Global DNA hypomethylation in liver cancer cases and controls: a phase I preclinical biomarker development study. *Epigenetics*. 2, 223-226, 2007.
316. Wu, H.C. Wang, W., Wang, L.W., Yang, H.I., Ahsan, H., Tsai, W.Y., Wang, L.Y., Chen, S.Y. Chen, C.J., and Santella, R.M. Polycyclic aromatic hydrocarbon- and aflatoxin-albumin adducts, and Hepatitis B virus infection and hepatocellular carcinoma in Taiwan. *Cancer Let.* 252, 104-114, 2007

317. Wu, H.C. Wang, W., Wang, L.W., Yang, H.I., Ahsan, H., Tsai, W.Y., Wang, L.Y., Chen, S.Y. Chen, C.J., and Santella, R.M. Urinary 8-oxodeoxyguanosine, aflatoxin B₁ exposure and hepatitis B virus infection and hepatocellular carcinoma in Taiwan. *Carcinogenesis* 28, 995-999, 2007
318. Shen, J., Terry, M.B. Gurvich, I., Senie, R.T, and Santella, R.M. Short telomere length and breast cancer risk: a study in sister-pairs. *Cancer Research* 67, 5538-5544, 2007. PMID 17545637
319. Peng, T., Li, L.Q., Peng, M.H., Liu, Z.M., Liu, T.W., Yan, L.N., Shen, H.M., Wang, L.W., Wang, Q., Wang, K., Liang, R.X., Wei, Z.L., Ong, C.N., Santella, R.M. Is correction for protein concentration a scotoma of protein adduct dosimetry? – Hypothesis and clues from an AFB₁-exposed population. *Cancer Science* 98, 140-146, 2007.
320. Steck, S.E., Gaudet, M.M., Britton, J.A., Teitelbaum, S.L., Terry, M.B., Neugut, A.I., Santella, R.M., and Gammon, M.D. Interactions among GSTM1, GSTT1 and GSTP1 polymorphisms, cruciferous vegetable intake and breast cancer risk. *Carcinogenesis* 28, 1954-1959, 2007.
321. Xu, X., Gammon, M.D., Rao, M., Wetmur, J.G., Teitelbaum, S.L., Neugut, A.I., Santella, R.M., Chen, J. A functional 19bp deletion polymorphism of dihydrofolate reductase (DHFR) and risk of breast cancer among multivitamin users. *Am J Clin Nutr* 85, 1098-1102, 2007. PMC2693263
322. Wang, L., Zhang, Y.J., Li, H., Xu, Z., Santella, R.M., and Weinstein, I.B. Hint1 inhibits growth and activator protein-1 activity in human colon cancer cells *Cancer Res.* 67, 4700-4708, 2007
323. Terry, M.T., Gammon, M.D., Zhang, F.F., Vaughan, T.L., Chow, W.H., Risch, H.A., Schoenberg, J.B., Mayne, S.T., Stanford, J.L., West, A.B., Rotterdam, H., Blot, W.J., Fraumeni, JF., and Santella, R.M. Alcohol intake, metabolism and risk of esophageal and gastric adenocarcinomas. *Cancer Causes & Control* 18, 1039-46, 2007.
324. Chen, Y., Santella, R.M., Kibriya, M., Wang, Q., Kappil, M., Verret, W.J., Graziano, J.H., and Ahsan, A. Association between arsenic exposure from drinking water and plasma levels of soluble cell adhesion molecules. *Environmental Health Perspectives*, 115,1415-20, 2007.
325. Peng, T., Li, L.Q., Peng, M.H., Liu, Z.M., Liu, T.W., Guo, Y., Xiao, K.Y., Qin, Z., Ye, X.P., Mo, X.S., Yan, L.N., Lee, B.L., Shen, H.M., Tamae, K., Wang, L.W., Wang, Q., Khan, K.M., Wang, K., Liang, R., Wei, Z., Kasai, H., Ong, C.N. and Santella, R.M. Evaluation of oxidative stress in a group of adolescents exposed to a high-level of aflatoxin B₁—a multi-center and multi-biomarker study. *Carcinogenesis* 28, 2347-2354, 2007.
326. Crew, K.D., Gammon, M.D., Terry, M.B., Zhang, F.F., Agrawal, M., Eng, S.M., Sagiv, S.K., Teitelbaum, S.L., Neugut, A.I., Santella, R.M. Genetic polymorphisms in the apoptosis-associated genes FAS and FASL and breast cancer risk. *Carcinogenesis* 28, 2548-2551, 2007.
327. Rossner Jr., P., Gammon, M.D., Terry, M.B., Agrawal, M., Ferris, J.S., Zhang, F.F., Teitelbaum, S.T., Eng, S.M., Gaudet, M.M., Neugut A., Santella R.M. Plasma protein carbonyl levels and breast cancer risk. *Journal of Cellular and Molecular Medicine* 11, 1138-1148, 2007.
328. Crew, K.D., Gammon, M.D., Terry, M.B., Zhang, F.F., Agrawal, M., Eng, S.M., Sagiv, S.K., Teitelbaum, S.L., Neugut, A.I., Santella, R.M. Polymorphisms in nucleotide excision repair genes, polycyclic aromatic hydrocarbon-DNA adducts, and breast cancer risk *Cancer Epidemiol Biomarkers Prev.* 16, 2033-41, 2007.
329. Zhang, Y.J., Shen, J., Yu, M.W., Lee, P.H. and Santella, R.M. Telomere length in hepatocellular carcinoma and paired adjacent non-tumor tissues by quantitative PCR. *Cancer Investigation* 25, 668-677, 2007.
330. Yoon, A.J., Shen, J., Santella, R.M., Zegarelli, D.J., Chen, R., and Weinstein, I.B. Activated checkpoint kinase 2 expression and risk for oral squamous cell carcinoma. *Cancer Epidemiology Biomarkers & Prevention* 16, 2768-3772, 2007.
331. Xu X, Gammon MD, Zhang H, Wetmur JG, Rao M, Teitelbaum SL, Britton JA, Neugut AI, Santella RM, Chen J. [Polymorphisms of one-carbon-metabolizing genes and risk of breast cancer in a population-based study](#). *Carcinogenesis*. 2007 Jul;28(7):1504-9. PMID: PMC2673236
332. Steck SE, Gaudet MM, Eng SM, Britton JA, Teitelbaum SL, Neugut AI, Santella RM, Gammon MD. [Cooked meat and risk of breast cancer--lifetime versus recent dietary intake](#). *Epidemiology*. 2007 May;18(3):373-82. PubMed PMID: 17435448.

333. Wu, H.C. Wang, Q., Yang, H.I., Ahsan, H., Tsai, W.Y., Wang, L.Y., Chen, S.Y. Chen, C.J., and Santella, R.M. Urinary 15-F2t-isoprostane, aflatoxin B1 exposure and Hepatitis B virus infection and hepatocellular carcinoma in Taiwan. *Carcinogenesis* 29, 971-976, 2008. PMID: PMC2902383
334. Liu, Z.M., Li, L.Q., Peng, M.H., Liu, T.W., Qin, Z., Guo, Y., Xiao, K.Y., Ye, X.P., Mo, X.S., Qin, X., Li, S., Yan, L.N., Shen, H.M., Wang, L.W., Wang, Q., Wang, K, Liang, R., Wei, Z., Ong, C.N., Santella, R.M. and Peng, T. Hepatitis B virus infection contributes to oxidative stress in a population exposed to aflatoxin B1 and high-risk for hepatocellular carcinoma. *Cancer Letters* 263, 212-222, 2008 PMID: PMC2676441.
335. Mitsumoto, H., Santella, R.M., Hornig, M., Liu, X., Bogdanov, M., Mehrazin, M., Zipprich, J., Wu, H.C., Mahata, J., Kilty, M., Bednarz, K., Bell, D., Gordon, P.H., Naini, A., Beal, M.F., Factor-Litvak, P. Oxidative stress biomarkers in sporadic ALS. *Amyotrophic Lateral Sclerosis. Amyotroph Lateral Scler.* 9, 177-83, 2008. PMID: 18574762
336. Gammon, M.D., and Santella, R.M. PAH, Genetic Susceptibility, and Breast Cancer Risk: An Update from the Long Island Breast Cancer Study Project. *European Journal of Cancer* 44, 636-640, 2008 PMID: 18314326
337. Xu, X., Gammon, M.D., Zeisel, S.H., Lee, Y.L., Wetmur, J.G., Teitelbaum, S.L., Bradshaw, P.T., Neugut, A.I., Santella, R.M., and Chen, J. A., Choline metabolism and risk of breast cancer in a population-based study. *The FASEB Journal* 6, 2045-52, 2008 PMID: PMC2430758.
338. Yeh, C., Barr, R.G., Powell, C.A., Mesia-Vela, S., Wang, Y., Hamade, N.K., Austin, J.H.M. and Santella, R.M. No effect of cigarette smoking dose on oxidized plasma proteins. *Environmental Research* 106, 219-225, 2008 PMID: PMC2268894.
339. Mesia-Vela S, Yeh CC, Austin JHM, Dounel M, Powell CA, Reeves A, Santella RM, Stevenson L, Yankelevitz D, Barr RG. Plasma carbonyls do not correlate with lung function or computed tomography measures of lung density in older smokers. *Biomarkers* 13, 422-434, 2008 PMID: PMC2692958.
340. Chen Y, Gammon MD, Teitelbaum SL, Britton JA, Terry MB, Shantakumar S, Eng SM, Wang Q, Gurvich I, Neugut AI, Santella RM, Ahsan H. Estrogen-biosynthesis gene CYP17 and its interactions with reproductive, hormonal and lifestyle factors in breast cancer risk: Results from the Long Island Breast Cancer Study Project. *Carcinogenesis* 29, 766-71, 2008. PMID:8281250 <http://carcin.oxfordjournals.org/content/29/4/766.long>
341. Shen J, Gammon MD, Terry MB, Teitelbaum SL, Eng SM, Neugut AI, Santella RM. Xeroderma pigmentosum complementation group C genotypes/diplotypes play no independent or interaction role with polycyclic aromatic hydrocarbons-DNA adducts for breast cancer risk. *Eur J Cancer* 44, 710-7, 2008 PMID: PMC2390906.
342. Gaudet MM, Gammon MD, Bensen JT, Sagiv SK, Shantakumar S, Teitelbaum SL, Eng SM, Neugut AI, Santella RM, Weston A. Genetic variation of TP53, polycyclic aromatic hydrocarbon-related exposures, and breast cancer risk among women on Long Island, New York. *Breast Cancer Res Treat* 108:93-99, 2008 PMID:17624591 <http://www.springerlink.com/content/192q9146x1h358k5/>
343. Hoque, A., Goodman, P., Ambrosone, C.B., Figg, W.D., Price, D.K., Kopp, W., Wu, X., Conroy, J., Lehman, T.A. Santella, R.M. Extraction of DNA from serum for high-throughput genotyping: Findings from pilot studies within the Prostate Cancer Prevention Trial. *Urology* 71, 967-970, 2008 PMID: PMC2387066.
344. Talbott KE, Gammon MD, Kibriya MG, Chen Y, Teitelbaum SL, Long CM, Gurvich I, Santella RM, Ahsan H.A CYP19 (aromatase) polymorphism is associated with increased premenopausal breast cancer risk. *Breast Cancer Res Treat.* 111, 481-487, 2008 PMID: 17975727 <http://www.springerlink.com/content/u04g5hq4k2wp185g/>
345. Grann VR, Bowman N, Joseph C, Wei Y, Horwitz MS, Jacobson JS, Santella RP, Hershman DL. Neutropenia in 6 ethnic groups from the Caribbean and the United States. *Cancer.* 15;113, 854-60, 2008 PMID:18543314 <http://onlinelibrary.wiley.com/doi/10.1002/ncr.23614/abstract;jsessionid=A086150B270911227B003C8BF66A9429.d02t01?systemMessage=Wiley+Online+Library+will+be+disrupted+14+May+from+10-12+BST+for+monthly+maintenance>
346. Machella, N., Terry, M.B., Zipprich, J., Gurvich, I., Liao, Y., Senie, R.T., Kennedy, D.O. and Santella, R.M. Double strand breaks repair in lymphoblastoid cell lines from sisters discordant for breast cancer. *Carcinogenesis* 29, 1367-1372, 2008. PMID: PMC2899852.
347. Reid ME, Santella R, Ambrosone CB. Molecular epidemiology to better predict lung cancer risk. *Clin Lung Cancer.* 2008 May;9(3):149-53. PMID: 18621624

348. Terry, M.B., Ferris, J.S., Pilsner, R., Flom, J.D., Tehranifar, P., Santella, R.M., Gamble, M.V. and Susser, E. Genomic DNA methylation among women in a multi-ethnic New York City birth cohort *Cancer Epidemiol Biomarkers Prev.* 2008 Sep;17(9):2306-10. PMID: 18768498 <http://cebp.aacrjournals.org/content/17/9/2306.long>
349. Golembesky, A.K., Gammon, M.D., North, K.E., Bensen, J.T., Schroeder, J.C., Teitelbaum, S.L., Neugut, A.I., Santella, R.M. Peroxisome proliferator-activated receptor-alpha (*PPARA*) genetic polymorphisms and breast cancer risk: a Long Island ancillary study. *Carcinogenesis* 29, 1944-1949, 2008. PMID: PMC2722854.
350. Chen, Y., Kibriya, M.G., Jasmine, F., Santella, R.M., Senie, R.T., and Ahsan, H. Do placental genes affect maternal breast cancer? Association between offspring's CGB5 and CSH1 gene variants and maternal breast cancer risk. *Cancer Research* 68, 9729-9734, 2008. PMID: PMC2779753.
351. Mahata, J., Argos, M., Verret, W., Kibriya, M.G, Santella, R.M. and Ahsan, H. Effect of selenium and vitamin E supplementation on plasma protein carbonyl levels in patients with arsenic-related skin lesions. *Nutr Cancer.* 60, 55-60, 2008. PMID: 18444136
352. Xu X, Gammon MD, Wetmur JG, Bradshaw PT, Teitelbaum SL, Neugut AI, Santella RM, Chen J. B-vitamin intake, one-carbon metabolism, and survival in a population-based study of women with breast cancer. *Cancer Epidemiol Biomarkers Prev.* 2008 Aug;17(8):2109-16. PMID: PMC2673236.
353. Wang L, Li H, Zhang Y, Santella RM, Weinstein IB. HINT1 inhibits beta-catenin/TCF4, USF2 and NFkappaB activity in human hepatoma cells. *Int J Cancer.* 124(7):1526-1534, 2009. PMID: PMC2667231.
354. Neuhaussen, S.L., Ozcelik, H., Southey, M.C., John, E.M., Godwin, A.K., Chung, W., Iriondo-Perez, J., Miron, A., Santella, R.M., Whittemore, A., Andrulis, A.L., Buys, S.S., Daly, M.B., Hopper, J.L., Seminara, D., Senie, R.T., Terry, M.B. for the Breast Cancer Family Registry *BRCA1* and *BRCA2* mutation carriers in the Breast Cancer Family Registry: an open resource for collaborative research. *Breast Cancer Research and Treatment* 116, 379-386, 2009 PMID2775077.
355. Xu, X., Gammon, M.D., Zhang, Y., Bestor, T., Zeisel, S.H., Wetmur, J.G., Wallenstein, S., Bradshaw, P.T., Garbowski, G., Teitelbaum, S.L., Neugut, A.I., Santella, R.M., and Chen, J. *BRCA1* Promoter methylation is associated with increased mortality among women with breast cancer. *Breast Cancer Research and Treatment.* *Breast Cancer Res Treat.* 115(2):397-404, 2009 PMID: PMC2693263.
356. Shen, J., Gammon, D.G., Terry, M.B., Wang, Q., Bradshaw, P., Teitelbaum, S.L., Neugut, A.I. and Santella, R.M. Telomere length, oxidative damage, antioxidants and breast cancer risk. *Int J Cancer.* 124(7):1637-43, 2009 PMID: PMC2727686.
357. Zhang, Y., Wu, H., Shen, J., Li, H., Wang, L., Yu, M-W., Lee, P., Weinstein, I.B. and Santella, R.M. Silencing of *Hint1*, a novel tumor suppressor gene, by promoter hypermethylation in hepatocellular carcinoma. *Cancer Letters* 275(2):277-84, 2009. PMID: PMC3522093
358. Wu, H.C. Wang, Q., Yang, H.I., Ahsan, H., Tsai, W.Y., Wang, L.Y., Chen, S.Y. Chen, C.J., and Santella, R.M. Aflatoxin B₁ exposure, hepatitis B virus infection and hepatocellular carcinoma in Taiwan. *Cancer Epidemiology, Biomarkers & Prevention* 18, 846-853, 2009. PMID: PMC3535829 <http://cebp.aacrjournals.org/content/18/3/846.long>
359. Rossner Jr., P., Gammon, M.D., Zhang, Y., Terry, M.B., Hibshoosh, H., Memeo, L., Mansukhani, M., Long, C., Garbowski, G., Agrawal, M., Kalra, T.S., Gaudet, M.M., Teitelbaum, S.T., Neugut A., Santella R.M. Mutations in *p53*, *p53* protein overexpression and breast cancer survival. *Journal of Cell and Molecular Medicine* 13(9B):3847-5, 2009 PMID: PMC2832100.
360. Yeh, C., Santella, R.M., Hsieh, L.L., Sung, F.C., Tang, R. An intron 4 VNTR polymorphism of the endothelial nitric oxide synthase gene is associated with early-onset colorectal cancer. *International Journal of Cancer* 124(7):1565-71 2009 PMID: PMC2653782.
361. Sagiv, S.K., Gaudet, M.M., Eng, S.M., Abrahamson, P.E., Shantakumar, S. Teitelbaum, S.L., Bell, P., Thomas, J.A., Neugut, A.I., Santella, R.M., and Gammon, M.D. Polycyclic aromatic hydrocarbon-DNA adducts and survival among women with breast cancer. *Environmental Research* 109(3):287-291, 2009. PMID: PMC2735116.
362. Lippman SM, Klein EA, Goodman PJ, Lucia MS, Thompson IM, Ford LG, Parnes HL, Minasian LM, Gaziano JM, Hartline JA, Parsons JK, Bearden JD 3rd, Crawford ED, Goodman GE, Claudio J, Winquist E, Cook ED, Karp DD, Walther P, Lieber MM, Kristal AR, Darke AK, Arnold KB, Ganz PA, Santella RM, Albanes D, Taylor PR, Probstfield JL, Jagpal TJ, Crowley JJ, Meyskens FL Jr, Baker LH, Coltman CA Jr. Effect of Selenium and Vitamin E on Risk of Prostate

Cancer and Other Cancers: The Selenium and Vitamin E Cancer Prevention Trial (SELECT). JAMA. 2009 301(1): 39-51
PMID: 19066370. <http://jama.ama-assn.org/content/301/1/39.long>

363. McCarty, K.M., Santella, R.M., Steck, S.E., Cleveland, R.J., Ahn, J., Ambrosone, C.B., North, K., Sagiv, S.K., Eng, S.M., Teitelbaum, S.L., Neugut, A.I., and Gammon, M.D. PAH-DNA Adducts, Cigarette Smoking, GST Polymorphisms, and Breast Cancer Risk. Environmental Health Perspectives 117(4):552-528, 2009 PMID: PMC2679598.

364. Crew, K.D., Gammon, M.D., Steck, S.E., Hershman, D.L., Cremers, S., Dworakowski, E., Shane, E., Terry, M.B., Desai, M., Teitelbaum, S.L., Neugut, A.I., Santella, R.M. Association between plasma 25-hydroxyvitamin D and Breast cancer risk. Cancer Prevention Research 2, 598-604, 2009. PMID: PMC3077714.

365. Zipprich, J., Terry, M.B., Liao, Y., Agrawal, M., Gurvich, I., Senie, R., and Santella, R.M. Plasma protein carbonyls and breast cancer risk in sisters discordant for breast cancer from the New York site of the Breast Cancer Family Registry. Cancer Research 69(7):2966-72, 2009. PMID: PMC2666943.

366. Li Y, Marion MJ, Zipprich J, Santella RM, Freyer G, Brandt-Rauf PW. Gene-environment interactions between DNA repair polymorphisms and exposure to the carcinogen vinyl chloride. Biomarkers 14(3):148-155, 2009. PMID: 19274602. <http://informahealthcare.com/doi/abs/10.1080/13547500902811266>

367. Yoon, A.J., Shen, J., Wu, H.C., Angelopoulos, C., Singer, S., Chen, R. and Santella R.M. Expression of Activated Checkpoint Kinase 2 and Histone 2AX in exfoliative oral cells following exposure to ionizing radiation. Radiation Research 17, 771-775, 2009. PMID: 19580484. <http://www.rjournal.org/doi/abs/10.1667/RR1560.1>

368. Xu, X., Gammon, M.D., Zeisel, S.H., Bradshaw, P.T., Wetmur, J.G., Teitelbaum, S.L., Neugut, A.I., Santella, R.M. and Chen, J. High intakes of choline and betaine reduce breast cancer mortality in a population-based Study. FASEB J. 23, 4022-4028, 2009. PMID: PMC2775010.

369. Yazici, H., Zipprich, J., Peng, T., Akisik, E.Z., Tigli, H., Isin, M., Akisik, E.E., Terry, M.B., Senie, R.T., Li, L., Peng, M., Liu, Z., Santella, R.M. Investigation of the *miR16-1* (C>T)+7 substitution in seven different types of cancer from three ethnic groups. Journal of Oncology 2009:827532; PMID: PMC2766826.

370. Yazici, H., Terry, M.B., Cho, Y.H., Senie, R.T., Liao, Y., Andrulis, I., and Santella, R.M. Aberrant methylation of *RASSF1A* in plasma DNA prior to breast cancer diagnosis in the Breast Cancer Family Registry. Cancer Epidemiology, Biomarkers & Prevention 18, 2723-2725, 2009. PMID: 19755643 <http://cebp.aacrjournals.org/content/18/10/2723.long>

371. Li Y, Long C, Lin G, Marion MJ, Freyer G, Santella RM, Brandt-Rauf PW., Effect of the XRCC1 codon 399 polymorphism on the repair of vinyl chloride metabolite-induced DNA damage. J Carcinog. 2009;8:14 PMID: PMC2791826.

372. Shen, J, Gammon, M.D., Wu, H.C., Terry, M.B., Wang, Q., Bradshaw, B.T., Teitelbaum S.L., Neugut, A.I., Santella, R.M. Multiple genetic variants in telomere pathway genes and breast cancer risk. Cancer Epidemiology, Biomarkers & Prevention 19, 219-228, 2010 PMID: PMC2805470.

373. ESCULA [European Standards Committee on Urinary (DNA) Lesion Analysis]*, Evans, M., Olinski, R., Loft, S. and Cooke, M.S., ESCULA Authors: Rossner, Jr., P., Sram, R., Henriksen, T., Poulsen, H.E., Weimann, A., Barbieri, A., Sabatini, L., Violante, F., Kino, S., Ochi, T., Sakai, K., Takeuchi, M., Kasai, H., Meerman, J.H.N., Gackowski, D., Rozalski, R., Siomek, A., Halliwell, B., Jenner, A.M., Cerda, C., Saez, G., Haghdoost, S., Svoboda, P., C-W., Chao, M-R., Peng, K-Y., Shih, W-C., Wu, KY., Orhan, H., Istanbulu, N.S., Mistry, V., Farmer, P.B., Sandhu, J., Singh, R., Cortez, C., Su, Y., Santella, R.M., Lambert, P., Smith, R. Towards consensus in the analysis of urinary 8-oxo-7,8-dihydro-2'-deoxyguanosine as a non-invasive biomarker of oxidative stress. FASEB Journal 24(4):1249-60, 2010 Dec 4. PMID: 19966135 <http://www.fasebj.org/content/24/4/1249.long>

374. Grass, D.R., Ross, J.M., Family, F., Barbour, J., Simpson, H. J., Datta, S., Coulibaly, D., Slavkovich, V., Hernandez, J., Chen, Y., Graziano, J., Santella, R., Li, Y., Brandt-Rauf, P.W. and Chillrud, S.N., Airborne Particulate-Metals in the NYC Subway: A Pilot Study to Assess the Potential for Health Impacts, Environmental Research 110(1):1-11, 2010 PMID: 19926803

375. Cleveland RJ, Gammon MD, Long CM, Gaudet MM, Eng SM, Teitelbaum SL, Neugut AI, Santella RM., Common genetic variations in the *LEP* and *LEPR* genes, obesity and breast cancer incidence and survival. Breast Cancer Res Treat. 120(3):745-52, 2010 PMID: 19697123 <http://www.springerlink.com/content/w26173038586142m/>

376. Mordukhovich I, Rossner Jr P Jr, Terry MB, Santella RM, Zhang YJ, Hibshoosh H, Memeo L, Mansukhani M, Long CM, Garbowski G, Agrawal M, Gaudet MM, Steck SE, Sagiv SK, Eng SM, Teitelbaum SL, Neugut AI, Conway-Dorsey K,

- Gammon MD. Associations between polycyclic aromatic hydrocarbon-related exposures and p53 mutations in breast tumors. *Environ Health Perspect.* 118, 511-518, 2010. PMID: PMC2854728.
377. Hoque A., Ambrosone C.B., Till, C., Goodman, P.J., Tangen, C., Kristal, A., Lucia, S., Wang, Q., Kappil, M., Thompson, I., Hsing, A.W., Parnes, H., Lippman, S.M., Santella, R.M. Serum oxidized protein and prostate cancer risk within the Prostate Cancer Prevention Trial. *Cancer Prevention Research* 3, 478–483, 2010 PMID: PMC2853720.
378. Zipprich, J., Terry, M.B., Brandt-Rauf, P., Freyer, G.A., Liao, Y., Agrawal, M., Gurvich, I., Senie, R. and Santella, R.M. XRCC1 polymorphisms and breast cancer risk from the New York site of the Breast Cancer Family Registry: A family-based case-control study *Journal of Carcinogenesis* 9, 4, 2010. PMID: PMC2862506.
379. Hong M, Xu A, Zhou H, Wu L, Randers-Pehrson G, Santella RM, Yu Z, Hei TK. Mechanism of genotoxicity induced by targeted cytoplasmic irradiation. *Br J Cancer.* 103, 1263-1269, 2010 ; PMID: PMC2967061
380. Cho, Y.H., Yazici, H., Wu, H-C., Terry, M.B., Gonzalez, K., Qu, M., Dalay, N., Santella, R.M. Aberrant promoter hypermethylation and genomic hypomethylation in tumor, adjacent normal tissues and blood from breast cancer patients. *Anticancer Research* 30, 2489-2496, 2010 PMID: 20682973 <http://ar.iiajournals.org/content/30/7/2489.long>
381. Xu X, Gammon MD, Zhang Y, Cho YH, Wetmur JG, Bradshaw PT, Garbowski G, Hibshoosh H, Teitelbaum SL, Neugut AI, Santella RM, Chen J. Gene promoter methylation is associated with increased mortality among women with breast cancer. *Breast Cancer Res Treat.* 121, 685-692, 2010; PMID: PMC2869387.
382. Goodman P.J., Tangen C.M., Kristal A.R., Thompson I.M., Lucia M.S., Platz E.A., Figg W.D., Hoque A., Hsing A., Neuhaus M.L., Parnes H.L., Reichardt J.K., Santella R.M., Till C., Lippman S.M. Transition of a clinical trial into translational research: the prostate cancer prevention trial experience. *Cancer Prev Res (Phila).* 3, 1523-1533, 2010 PMID: PMC3058741
383. Wu H-C., Delgado-Cruzata, L., Kappil, M., Flom, J.D., Ferris, J.S., Liao, Y., Santella, R.M., and Terry, M.B. Global methylation profiles in DNA from different blood cell types. *Epigenetics* 6, 76-85, 2011 PMID: PMC3052916.
384. Wu H-C., John, E.M., Ferris, J.S., Keegan, T.H., Chung, W.K., Andrulis, I., Delgado-Cruzata, L., Kappil, M., Gonzalez, K., Santella, R.M., and Terry, M.B. Global DNA methylation levels in girls with and without a family history of breast cancer. *Epigenetics* 6, 29-33, 2011. PMID: PMC3052913
385. Ramsey, S. and Santella, R.M. The Definition of Life: A Survey of Obstetricians and Neonatologists in New York City Hospitals Regarding Extremely Premature Births. *Maternal and Child Health Journal* 15(4):446-452 2011 PMID: PMC2862506.
386. Santella RM, Zhang YJ. Immunologic detection of benzo(a)pyrene-DNA adducts. *Methods Mol Biol.* 2011;682:271-8 <http://www.springerlink.com/content/r63801x25h044414/#section=810998&page=1>
387. Smith LD, Tesoriero AA, Wong EM, Ramus SJ, O'Malley FP, Mulligan A, Terry M, Senie RT, Santella RM, John EM, Andrulis IL, Ozcelik H, Daly MB, Godwin AK, Buys SS, Fox S, Goldgar DE, Giles GG, Hopper JL, Southey MC. Contribution of large genomic BRCA1 alterations to early-onset breast cancer selected for family history and tumour morphology: A report from The Breast Cancer Family Registry. *Breast Cancer Research* 13:R14 (31 January 2011) <http://breast-cancer-research.com/content/13/1/R14>
388. Cai Q, Wen W, Qu S, Li G, Egan KM, Chen K, Deming SL, Shen H, Shen CY, Gammon MD, Blot WJ, Matsuo K, Haiman CA, Khoo US, Iwasaki M, Santella RM, Zhang L, Fair AM, Hu Z, Wu PE, Signorello LB, Titus-Ernstoff L, Tajima K, Henderson BE, Chan KY, Kasuga Y, Newcomb PA, Zheng H, Cui Y, Wang F, Shieh YL, Iwata H, Le Marchand L, Chan SY, Shrubsole MJ, Trentham-Dietz A, Tsugane S, Garcia-Closas M, Long J, Li C, Shi J, Huang B, Xiang YB, Gao YT, Lu W, Shu XO, Zheng W. Replication and Functional Genomic Analyses of the Breast Cancer Susceptibility Locus at 6q25.1 Generalize Its Importance in Women of Chinese, Japanese, and European Ancestry. *Cancer Res.* 15; 71(4):1344-55, 2011 PMID: PMC3083305
389. Zhang FF, Morabia A, Carroll J, Gonzalez K, Fulda K, Kaur M, Vishwanatha JK, Santella RM, Cardarelli R. Dietary patterns are associated with levels of global genomic DNA methylation in a cancer-free population. *J Nutrition* 141(6):1165-71 2011 PMID: PMC3095144
390. Zhang FF, Cardarelli R, Carroll J, Fulda KG, Kaur M, Gonzalez K, Vishwanatha JK, Santella RM, Morabia A. Significant differences in global genomic DNA methylation by gender and race/ethnicity in peripheral blood *Epigenetics.* 6(5):623-9 2011 PMID: PMC3230547

391. Yao,S., Till, C., Kristal,A.R., Goodman,P.J., Hsing,A.W., Tangen,C.M., Platz,E.E., Stanczyk,F.Z., Reichardt,J.K.V., Tang,L., Neuhausser,M.L., Santella,R.M., Figg,W.D., Price,D.K., Parnes,H.L., Lippman,S.M., Thompson,I.M., Ambrosone,C.B., and Hoque, A. Serum estrogen levels and prostate cancer risk in the Prostate Cancer Prevention Trial: a nested case-control study *Cancer Causes and Control* 22(8):1121-31, 2011. PMID:PMC3139891
392. Terry MB, Delgado-Cruzata L, Vin-Raviv N, Wu HC, and Santella RM. DNA methylation in white blood cells: Association with risk factors in epidemiologic studies. *Epigenetics*. 6(7):828-37, 2011. PMID:3154425
393. Tang L, Yao S, Till C, Goodman PJ, Tangen CM, Wu Y, Kristal AR, Platz EA, Neuhausser ML, Stanczyk FZ, Reichardt JK, Santella RM, Hsing A, Hoque A, Lippman SM, Thompson IM, Ambrosone CB. Repeat polymorphisms in estrogen metabolism genes and prostate cancer risk: results from the Prostate Cancer Prevention Trial. *Carcinogenesis*. 32, 1500-06, 2011 PMID:PMC3179424
394. Xu X, Gammon MD, Jefferson E, Zhang Y, Cho YH, Wetmur JG, Teitelbaum SL, Bradshaw PT, Terry MB, Garbowski G, Hibshoosh H, Neugut AI, Santella RM, Chen J. The influence of one-carbon metabolism on gene promoter methylation in a population-based breast cancer study. *Epigenetics*. 2011 6(11):1276-83 PMID:PMC3242810
395. Lumey LH, Terry MB, Delgado-Cruzata L, Liao Y, Wang Q, Susser E, McKeague I, Santella RM. Adult DNA methylation in relation to prenatal nutrition *Int J Epidemiol*. 41(1):116-23, 2012. PMID:PMC3304521
396. Cho YH, Shen J, Gammon MD, Zhang YJ, Wang Q, Gonzalez K, Xu X, Bradshaw PT, Teitelbaum SL, Garbowski G, Hibshoosh H, Neugut AI, Chen J, Santella RM. Prognostic significance of gene-specific promoter hypermethylation in breast cancer patients. *Breast Cancer Res Treat*. 131(1):197-205, 2012 PMID:PMC3576848
397. Flom JD, Ferris JS, Liao Y, Tehranifar P, Belessiotis Richards C, Cho YH, Gonzalez K, Santella RM, Terry MB. [Prenatal Smoke Exposure and Genomic DNA Methylation in a Multi-ethnic Urban Birth Cohort](#). *Cancer Epidemiol Biomarkers Prev*. 20, 2518-2523, 2011 PMID:PMC3559183
398. Navas MC, Suarez I, Carreño A, Uribe D, Rios WA, Cortes-Mancera F, Martel G, Vieco B, Lozano D, Jimenez C, Gouas D, Osorio G, Hoyos S, Restrepo JC, Correa G, Jaramillo S, Lopez R, Bravo LE, Arbelaez MP, Scoazec JY, Abedi-Ardekani B, Santella RM, Chemin I, Hainaut P. Hepatitis B and Hepatitis C infection biomarkers and TP53 mutations in Hepatocellular Carcinomas from Colombia. *Hepat Res Treat*. 2011:582945. doi: 10.1155/2011/582945. Epub 2011 Oct 31
399. Delgado-Cruzata L, Hruby GW, Gonzalez K, McKiernan J, Benson MC, Santella RM, Shen J. DNA Methylation Changes Correlate with Gleason Score and Tumor Stage in Prostate Cancer. *DNA Cell Biol*. 31(2):187-92, 2012 PMID:PMC3272239
400. Shen J, Wang S, Zhang YJ, Kappil M, Wu HC, Kibriya MG, Wang Q, Jasmine F, Ahsan H, Lee PH, Yu MW, Chen CJ, Santella RM [Genome-wide DNA methylation profiles in hepatocellular carcinoma](#). *Hepatology*. 55(6):1799-808, 2012 PMID:PMC3330167
401. Takata Y, King IB, Lampe JW, Burk RF, Hill KE, Santella RM, Kristal AR, Duggan DJ, Vaughan TL, Peters U. [Genetic Variation in GPX1 Is Associated with GPX1 Activity in a Comprehensive Analysis of Genetic Variations in Selenoenzyme Genes and Their Activity and Oxidative Stress in Humans](#). *J Nutr*. 142(3):419-26, 2012 PMID: 22259188
402. Xu X, Gammon MD, Hernandez-Vargas H, Herceg Z, Wetmur JG, Teitelbaum SL, Bradshaw PT, Neugut AI, Santella RM, Chen J. DNA Methylation in Peripheral Blood Measured by LUMA is Associated with Breast Cancer in a Population-based Study *FASEB J*. 2012 26(6):2657-66. PMID:PMC3360146
403. Morabia A, Zhang FF, Kappil MA, Flory J, Mirer FE, Santella RM, Wolff M, Markowitz SB. [Biologic and epigenetic impact of commuting to work by car or using public transportation: A case-control study](#). *Prev Med*. 54(3-4):229-33, 2012 PMID:PMC3670595
404. Shen J, Hruby GW, McKiernan JM, Gurchich I, Lipsky MJ, Benson MC, Santella RM. [Dysregulation of circulating microRNAs and prediction of aggressive prostate cancer](#). *Prostate*. 2012 Feb 1. doi: 10.1002/pros.22499. PMID:PMC3368098
405. Zhang FF, Santella RM, Wolff M, Kappil MA, Markowitz SB, Morabia A. White blood cell global methylation and *IL-6* promoter methylation in association with diet and lifestyle risk factors in a cancer-free population *Epigenetics*. 2012 Jun 1;7(6). PMID:PMC3398989

406. Shen J, Gammon MD, Terry MB, Bradshaw PT, Wang Q, Teitelbaum SL, Neugut AI, Santella RM. Genetic polymorphisms in telomere pathway genes, telomere length and breast cancer survival Breast Cancer Research and Treatment. Breast Cancer Res Treat. 134, 393-400, 2012 PMID:PMC3579614
407. Wu HC, Wang Q, Delgado-Cruzata L, Santella RM, Terry MB. Genomic methylation changes over time in peripheral blood mononuclear cell DNA: Differences by assay type and baseline values Cancer Epidemiol Biomarkers Prev.;21(8):1314-8 2012 PMID: 22665578
408. Wu HC, Wang Q, Yang HI, Tsai WY, Chen CJ, Santella RM. Global DNA methylation levels in white blood cells as a biomarker for hepatocellular carcinoma risk: a nested case-control study Carcinogenesis. 33, 1340-1345, 2012 PMID:PMC3499052
409. Takata Y, Kristal AR, Santella RM, King IB, Duggan DJ, Lampe JW, Rayman MP, Blount PL, Reid BJ, Vaughan TL, Peters U. Selenium, Selenoenzymes, Oxidative Stress and Risk of Neoplastic Progression from Barrett's Esophagus: Results from Biomarkers and Genetic Variants PLoS One. 2012;7(6):e38612. PMID:PMC3371043
410. Wu HC, Wang Q, Delgado-Cruzata L, Flom JD, Perrin M, Liao Y, Ferris JS, Santella RM, Terry MB. Repetitive element DNA methylation levels in white blood cell DNA from sisters discordant for breast cancer from the New York site of the Breast Cancer Family Registry. Carcinogenesis. 33, 1946-1952, 2012 PMID:PMC3499042
411. Zhang YJ, Wu HC, Yazici H, Yu MW, Lee PH, Santella RM. [Global hypomethylation in hepatocellular carcinoma and its relationship to aflatoxin B\(1\) exposure.](#) World J Hepatol. 4(5):169-75, 2012. PMID:PMC3365436
412. Shen J, Terry MB, Liao Y, Gurchich I, Wang Q, Senie RT, Santella RM. [Genetic variation in telomere maintenance genes, telomere length and breast cancer risk.](#) PLoS One. 2012;7(9):e44308. PMID:PMC3435409
413. Crew KD, Brown P, Greenlee H, Bevers TB, Arun B, Hudis C, McArthur HL, Chang J, Rimawi M, Vornik L, Cornelison TL, Wang A, Hibshoosh H, Ahmed A, Terry MB, Santella RM, Lippman SM, Hershman DL. [Phase IB Randomized, Double-Blinded, Placebo-Controlled, Dose Escalation Study of Polyphenon E in Women with Hormone Receptor-Negative Breast Cancer.](#) Cancer Prev Res (Phila). 2012 Sep;5(9):1144-54. PMID:PMC3816771
414. Delgado-Cruzata L, Wu HC, Perrin M, Liao Y, Kappil MA, Ferris JS, Flom JD, Yazici H, Santella RM, Terry MB. [Global DNA methylation levels in white blood cell DNA from sisters discordant for breast cancer from the New York site of the Breast Cancer Family Registry.](#) Epigenetics. 2012 7(8):868-74. PMID:22705975 PMID:PMC3427282
415. Shen J, Wang S, Zhang YJ, Kappil MA, Chen Wu H, Kibriya MG, Wang Q, Jasmine F, Ahsan H, Lee PH, Yu MW, Chen CJ, Santella RM. [Genome-wide aberrant DNA methylation of microRNA host genes in hepatocellular carcinoma.](#) Epigenetics. 2012 7(11):1230-7. PMID:PMC3499324
416. Shen J, Wang S, Zhang YJ, Wu HC, Kibriya MG, Jasmine F, Ahsan H, Wu DP, Siegel AB, Remotti H, Santella RM. [Exploring genome-wide DNA methylation profiles altered in hepatocellular carcinoma using Infinium HumanMethylation 450 BeadChips.](#) Epigenetics. 2013 8(1):34-43 PMID:PMC3549879
417. Tehranifar P, Wu HC, Fan X, Flom JD, Ferris JS, Cho YH, Gonzalez K, Santella RM, Terry MB. [Early life socioeconomic factors and genomic DNA methylation in mid-life.](#) Epigenetics. 2013 8(1):23-7. PMID:PMC3549876
418. McCullough LE, Santella RM, Cleveland RJ, Bradshaw PT, Millikan RC, North KE, Olshan AF, Eng SM, Ambrosone CB, Ahn J, Steck SE, Teitelbaum SL, Neugut AI, Gammon MD. [Polymorphisms in oxidative stress genes, physical activity, and breast cancer risk.](#) Cancer Causes Control. 2012 23(12):1949-58. PMID:PMC3796339
419. Barregård L, Moller P, Henriksen T, Mistry V, Koppen G, Rossner P, Sram R, Weimann A, Poulsen H, Nataf R, Andreolli R, Manini P, Marczylo TH, Lam P, Evans MD, Kasai H, Kawai K, Li YS, Sakai K, Singh R, Teichert F, Farmer P, Rozalski R, Gackowski D, Siomek A, Saez G, Cerda C, Broberg K, Lund C, Hossain M, Haghdoost S, Hu CW, Chao MR, Wu KY, Senduran N, Orhan H, Smith RJ, Santella RM, Su Y, Cortez C, Yeh S, Olinski R, Loft S, Cooke MS. [Human and methodological sources of variability in the measurement of urinary 8-oxo-7,8-dihydro-2'-deoxyguanosine.](#) Antioxid Redox Signal. 18, 2377, 2013 PMID:PMC3671631
420. Wu HC, Santella RM. [The role of aflatoxins in hepatocellular carcinoma.](#) Hepat Mon. 2012 Oct;12(10 HCC):e7238. doi: 10.5812/hepatmon. PMID:PMC3496858

421. Wu HC, Wang Q, Yang HI, Tsai WY, Chen CJ, Santella RM. [Global DNA methylation in a population with aflatoxin B1 exposure](#). Epigenetics. 2013 Jul 18;8(9). PMID:PMC3883773
422. McCullough LE, Santella RM, Cleveland RJ, Millikan RC, Olshan AF, North KE, Bradshaw PT, Eng SM, Terry MB, Shen J, Crew KD, Rossner P Jr, Teitelbaum SL, Neugut AI, Gammon MD. [Polymorphisms in DNA repair genes, recreational physical activity and breast cancer risk](#). Int J Cancer. 134(3):654-63, 2014 PMID:PMC3830595
423. D'Amico E, Factor-Litvak P, Santella RM, Mitsumoto H. [Clinical perspective on oxidative stress in sporadic amyotrophic lateral sclerosis](#). Free Radic Biol Med. 2013 Jun 21;65C:509-527. PMID:PMC3859834
424. Wu HC, Delgado-Cruzata L, Machella N, Wang Q, Santella RM, Terry MB. [DNA double-strand break repair genotype and phenotype and breast cancer risk within sisters from the New York site of the Breast Cancer Family Registry \(BCFR\)](#) Cancer Causes Control. 24(12):2157-68, 2013 PMID:PMC3947831
425. Shen J, Wang A, Wang Q, Gurvich I, Siegel AB, Remotti H, Santella RM. [Exploration of Genome-wide Circulating MicroRNA in Hepatocellular Carcinoma \(HCC\): MiR-483-5p as a Potential Biomarker](#). Cancer Epidemiol Biomarkers Prev. 22, 2364-73 2013 PMID:PMC3963823
426. Delgado-Cruzata L, Wu HC, Liao Y, Santella RM, Terry MB. Changes in DNA methylation by extent of breast cancer family history in unaffected women Epigenetics. 9, 243-8 2014 PMID:PMC3962534
427. Santella RM, Wu H-C Environmental Exposures and Hepatocellular Carcinoma J Clin and Translational Hepatology 2013 1:138-143 http://www.jcthn.net/images/fulltext/v1i2/138_SantellaR-JCTH-13-008.pdf
428. Qi LN, Li LQ, Chen YY, Chen ZH, Bai T, Xiang BD, Qin X, Xiao KY, Peng MH, Liu ZM, Liu TW, Qin X, Li S, Han ZG, Mo ZN, Santella RM, Winkler CA, O'Brien SJ, Peng T. [Genome-wide and differential proteomic analysis of hepatitis B virus and aflatoxin B1 related hepatocellular carcinoma in Guangxi, China](#). PLoS One. 2013 Dec 31;8(12):e83465. PMID:PMC3877066
429. Lai RK, Chen Y, Guan X, Noursome D, Sharma C, Canoll P, Bruce J, Sloan AE, Cortes E, Vonsattel J, Su T, Delgado-Cruzata L, Gurvich I, Santella RM, Ostrom Q, Lee A, Gregersen P and Barnholtz-Sloan J (2014) Genome-Wide Methylation Analyses in Glioblastoma Multiforme. PLoS ONE 9(2): e89376. PMID:PMC3931727
430. Ahsan H, Halpern J, Kibriya MG, Pierce BL, Tong L, Gamazon ER, McGuire V, Felberg A, Shi J, Jasmine F, Roy S, Paul-Brutus R, Argos M, Melkonian S, Chang-Claude J, Andrulis IL, Hopper JL, John EM, Malone KE, Ursin G, Gammon MD, Thomas DC, Seminara D, Casey G, Knight JA, Southey MC, Giles GG, Santella RM, Lee E, Conti DV, Duggan D, Gallinger S, Haile RW, Jenkins MA, Lindor NM, Newcomb PA, Michailidou K, Apicella C, Park DJ, Peto J, Fletcher O, Dos Santos Silva I, Lathrop M, Hunter DJ, Chanock SJ, Meindl A, Schmutzler RK, Muller-Myhsok B, Lochmann M, Beckmann M, Hein R, Makalic E, Schmidt DF, Bui QM, Stone J, Flesch-Janys D, Dahmen N, Nevanlinna H, Aittomäki K, Blomqvist C, Hall P, Czene K, Irwanto A, Liu J, Rahman N, Turnbull C, Dunning AM, Pharoah PD, Waisfisz Q, Meijers-Heijboer HE, Uitterlinden AG, Rivadeneira F, Nicolae D, Easton DF, Cox NJ, Whittermore AS A Genome-wide Association Study of Early-onset Breast Cancer Identifies PFKM as a Novel Breast Cancer Gene and Supports a Common Genetic Spectrum for Breast Cancer at Any Age. Cancer Epidemiol Biomarkers Prevent 2014 Apr;23(4):658-69. doi: 10.1158/1055-9965.EPI-13-0340. Epub 2014 Feb 3. PMID:24493630
431. Khankari NK, Bradshaw PT, McCullough LE, Teitelbaum SL, Steck SE, Fink BN, Xu X, Ahn J, Ambrosone CB, Crew KD, Terry MB, Neugut AI, Chen J, Santella RM, Gammon MD. Genetic variation in multiple biologic pathways, flavonoid intake, and breast cancer. Cancer Causes Control. 25(2):215-26, 2014. PMID:PMC3932534
432. Wu HC, Wang Q, Chung WK, Andrulis IL, Daly MB, John EM, Keegan THM, Knight J, Bradbury AR, Kappil MA, Gurvich I, Santella RM and Terry MB Correlation of DNA methylation levels in blood and saliva DNA in young girls of the LEGACY Girls study Epigenetics 9(7):929-33. doi: 10.4161/epi.28902. PMID:PMC4143407
433. Crew KD, Ho KA, Brown P, Greenlee H, Bevers TB, Arun B, Sneige N, Hudis C, McArthur HL, Chang J, Rimawi M, Cornelison TL, Cardelli J, Santella RM, Wang A, Lippman SM, Hershman DL. [Effects of a green tea extract, Polyphenon E, on systemic biomarkers of growth factor signalling in women with hormone receptor-negative breast cancer](#). J Hum Nutr Diet. 2014 Mar 19. doi: 10.1111/jhn.12229. PMID:PMC4205214
434. Mitsumoto H, Factor-Litvak P, Andrews H, Goetz RR, Andrews L, Rabkin JG, McElhiney M, Nieves J, Santella RM, Murphy J, Hupf J, Singleton J, Merle D, Kilty M, Heitzman D, Bedlack RS, Miller RG, Katz JS, Forshew D, Barohn RJ,

Sorenson EJ, Oskarsson B, Fernandes Filho JA, Kasarskis EJ, Lomen-Hoerth C, Mozaffar T, Rollins YD, Nations SP, Swenson AJ, Shefner JM, Andrews JA, Koczon-Jaremko BA; ALS COSMOS Study Group. [ALS Multicenter Cohort Study of Oxidative Stress \(ALS COSMOS\): study methodology, recruitment, and baseline demographic and disease characteristics](#). *Amyotroph Lateral Scler Frontotemporal Degener*. 2014 Jun;15(3-4):192-203. doi: 10.3109/21678421.2013.864312. Epub 2014 Feb 24. PMID: 24564738 [PubMed - in process]

435. Yoon AJ, Wang S, Shen J, Robine N, Philipone E, Oster M, Nam A, Santella RM. Prognostic value of miR-375 and miR-214-3p in early stage oral squamous cell carcinoma. *Am J Transl Res* 2014;6:580-592. PMID: PMC4212932

436. Delgado-Cruzata L, Vin-Raviv N, Tehranifar P, Flom J, Reynolds D, Gonzalez K, Santella RM, Terry MB. [Correlations in global DNA methylation measures in peripheral blood mononuclear cells and granulocytes](#). *Epigenetics*. 2014 Dec 6:0. [Epub ahead of print] PMID: 25482109 [PubMed - as supplied by publisher]

437. Reimers LL, Crew KD, Bradshaw PT, Santella RM, Steck SE, Sirosh I, Terry MB, Hershman DL, Shane E, Cremers S, Dworakowski E, Teitelbaum SL, Neugut AI, Gammon MD. [Vitamin D-related gene polymorphisms, plasma 25-hydroxyvitamin D, and breast cancer risk](#). *Cancer Causes Control*. 2014 Nov 25. [Epub ahead of print] PMID: 25421379 [PubMed - as supplied by publisher]

438. White AJ, Teitelbaum SL, Stellman SD, Beyea J, Steck SE, Mordukhovich I, McCarty KM, Ahn J, Rossner P Jr, Santella RM, Gammon MD. [Indoor air pollution exposure from use of indoor stoves and fireplaces in association with breast cancer: a case-control study](#). *Environ Health*. 2014 Dec 12;13(1):108. doi: 10.1186/1476-069X-13-108. <http://www.ehjournal.net/content/13/1/108>

439. Khankari NK, Bradshaw PT, Steck SE, He K, Olshan AF, Shen J, Ahn J, Chen Y, Ahsan H, Terry MD, Teitelbaum SL, Neugut AI, Santella RM, Gammon MD. Dietary intake of fish, polyunsaturated fatty acids, and survival after breast cancer: a population-based, follow-up study on Long Island, NY. *Cancer*. 015 Mar 24. doi: 10.1002/cncr.29329

440. Gross-Davis CA, Heavner K, Frank AL, Newschaffer C, Klotz J, Santella RM, Burstyn I. [The role of genotypes that modify the toxicity of chemical mutagens in the risk for myeloproliferative neoplasms](#). *Int J Environ Res Public Health*. 2015 Feb 24;12(3):2465-85. doi: 10.3390/ijerph120302465. PMID: 25719551

441. Hoque A, Yao S, Till C, Kristal AR, Goodman PJ, Hsing AW, Tangen CM, Platz EA, Stanczyk FZ, Reichardt JK, vanBokhoven A, Neuhauser ML, Santella RM, Figg WD, Price DK, Parnes HL, Lippman SM, Ambrosone CB, Thompson IM. [Effect of Finasteride on Serum Androstenedione and Risk of Prostate Cancer Within the Prostate Cancer Prevention Trial: Differential Effect on High- and Low-grade Disease](#). *Urology*. 2015 Mar;85(3):616-20. doi: 10.1016/j.urology.2014.11.024. PMID: 25733274

442. Michailidou K, Beesley J, Lindstrom S, Canisius S, Dennis J, Lush MJ, Maranian MJ, Bolla MK, Wang Q, Shah M, Perkins BJ, Czene K, Eriksson M, Darabi H, Brand JS, Bojesen SE, Nordestgaard BG, Flyger H, Nielsen SF, Rahman N, Turnbull C; BOCS, Fletcher O, Peto J, Gibson L, Dos-Santos-Silva I, Chang-Claude J, Flesch-Janys D, Rudolph A, Eilber U, Behrens S, Nevanlinna H, Muranen TA, Aittomäki K, Blomqvist C, Khan S, Aaltonen K, Ahsan H, Kibriya MG, Whittemore AS, John EM, Malone KE, Gammon MD, **Santella RM**, Ursin G, Makalic E, Schmidt DF, Casey G, Hunter DJ, Gapstur SM, Gaudet MM, Diver WR, Haiman CA, Schumacher F, Henderson BE, Le Marchand L, Berg CD, Chanock SJ, Figueroa J, Hoover RN, Lambrechts D, Neven P, Wildiers H, van Limbergen E, Schmidt MK, Broeks A, Verhoef S, Cornelissen S, Couch FJ, Olson JE, Hallberg E, Vachon C, Waisfisz Q, Meijers-Heijboer H, Adank MA, van der Luijt RB, Li J, Liu J, Humphreys K, Kang D, Choi JY, Park SK, Yoo KY, Matsuo K, Ito H, Iwata H, Tajima K, Guénel P, Truong T, Mulot C, Sanchez M, Burwinkel B, Marme F, Surowy H, Sohn C, Wu AH, Tseng CC, Van Den Berg D, Stram DO, González-Neira A, Benitez J, Zamora MP, Perez JI, Shu XO, Lu W, Gao YT, Cai H, Cox A, Cross SS, Reed MW, Andrulis IL, Knight JA, Glendon G, Mulligan AM, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N; kConFab Investigators; AOCs Group, Lindblom A, Margolin S, Teo SH, Yip CH, Taib NA, Tan GH, Hooning MJ, Hollestelle A, Martens JW, Collée JM, Blot W, Signorello LB, Cai Q, Hopper JL, Southey MC, Tsimiklis H, Apicella C, Shen CY, Hsiung CN, Wu PE, Hou MF, Kristensen VN, Nord S, Alnaes GI; NBCS, Giles GG, Milne RL, McLean C, Canzian F, Trichopoulos D, Peeters P, Lund E, Sund M, Khaw KT, Gunter MJ, Palli D, Mortensen LM, Dossus L, Huerta JM, Meindl A, Schmutzler RK, Sutter C, Yang R, Muir K, Lophatananon A, Stewart-Brown S, Siriwanarangsana P, Hartman M, Miao H, Chia KS, Chan CW, Fasching PA, Hein A, Beckmann MW, Haerle L, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Ashworth A, Orr N, Schoemaker MJ, Swerdlow AJ, Brinton L, Garcia-Closas M, Zheng W, Halverson SL, Shrubsole M, Long J, Goldberg MS, Labrèche F, Dumont M, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Grip M, Brauch H, Hamann U, Brüning T; GENICA Network, Radice P, Peterlongo P, Manoukian S, Bernard L, Bogdanova NV, Dörk T, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Devilee P, Tollenaar RA, Seynaeve C, Van Asperen CJ, Jakubowska A, Lubinski J, Jaworska K, Huzarski T, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Slager S, Toland AE, Ambrosone CB, Yannoukakos D, Kabisch M, Torres D, Neuhausen SL, Anton-Culver H, Luccarini C, Baynes C, Ahmed S, Healey CS, Tessier DC, Vincent D, Bacot F, Pita G, Alonso MR, Álvarez N, Herrero D, Simard J, Pharoah PP, Kraft P, Dunning AM, Chenevix-Trench G, Hall P,

- Easton DF. [Genome-wide association analysis of more than 120,000 individuals identifies 15 new susceptibility loci for breast cancer](#). Nat Genet. 2015 Mar 9. doi: 10.1038/ng.3242. [Epub ahead of print] PMID:25751625
443. McCullough LE, Eng SM, Bradshaw PT, Cleveland RJ, Steck SE, Terry MB, Shen J, Crew KD, Rossner P Jr, Ahn J, Ambrosone CB, Teitelbaum SL, Neugut AI, Santella RM, Gammon MD. [Genetic polymorphisms in DNA repair and oxidative stress pathways may modify the association between body size and postmenopausal breast cancer](#). Ann Epidemiol. 2015 Jan 24. pii: S1047-2797(15)00037-X. doi: 10.1016/j.annepidem.2015.01.009. [Epub ahead of print] PMID:25703993
444. Shen J, Wang S, Siegel AB, Remotti H, Wang Q, Sirosh I, Santella RM. [Genome-Wide Expression of MicroRNAs Is Regulated by DNA Methylation in Hepatocarcinogenesis](#). Gastroenterol Res Pract. 2015;2015:230642. doi: 10.1155/2015/230642. PMCID:PMC4377534
445. Delgado-Cruzata L, Zhang W, McDonald JA, Tsai WY, Valdovinos C, Falci L, Wang Q, Crew KD, Santella RM, Hershman DL, Greenlee H. [Dietary modifications, weight loss, and changes in metabolic markers affect global DNA methylation in Hispanic, african american, and afro-Caribbean breast cancer survivors](#). J Nutr. 2015 Apr;145(4):783-90. doi: 10.3945/jn.114.202853. Epub 2015 Feb 4. PMID: 25833781
446. Chang CW, Wu HC, Terry MB, Santella RM. [microRNA Expression in Prospectively Collected Blood as a Potential Biomarker of Breast Cancer Risk in the BCFR](#). Anticancer Res. 2015 Jul;35(7):3969-77. PMID:26124344 <http://ar.iiarjournals.org/content/35/7/3969.long> PMCID: PMC4776637
447. Terry M, McDonald JA, Wu H, Eng S, Santella RM. Epigenetic Biomarkers of Breast Cancer Risk: Across the Breast Cancer Prevention Continuum. Adv Exp Med Biol. 2016;882:33-68. doi: 10.1007/978-3-319-22909-6_2. PMCID: PMC5305320
448. Shen J, LeFave C, Sirosh I, Siegel AB, Tycko B, Santella RM. [Integrative epigenomic and genomic filtering for methylation markers in hepatocellular carcinomas](#). BMC Med Genomics. 2015 Jun 10;8(1):28. doi: 10.1186/s12920-015-0105-1. PMCID:PMC4460673
449. McCullough LE, Chen J, White AJ, Xu X, Cho YH, Bradshaw PT, Eng SM, Teitelbaum SL, Terry MB, Garbowski G, Neugut AI, Hibshoosh H, Santella RM, Gammon MD. [Gene-Specific Promoter Methylation Status in Hormone-Receptor-Positive Breast Cancer Associates with Postmenopausal Body Size and Recreational Physical Activity](#). Int J Cancer Clin Res. 2015;2(1). pii: 013. PMCID:PMC4440485
450. Winchester DA, Till C, Goodman PJ, Tangen CM, Santella RM, Johnson-Pais TL, Leach RJ, Xu J, Zheng SL, Thompson IM, Lucia MS, Lippmann SM, Parnes HL, Dluzniewski PJ, Isaacs WB, De Marzo AM, Drake CG, Platz EA. [Variation in genes involved in the immune response and prostate cancer risk in the placebo arm of the Prostate Cancer Prevention Trial](#). Prostate. 2015 Jun 5. doi: 10.1002/pros.23021. PMID:26047319
451. Khankari NK, Bradshaw PT, Steck SE, He K, Olshan AF, Shen J, Ahn J, Chen Y, Ahsan H, Terry MB, Teitelbaum SL, Neugut AI, Santella RM, Gammon MD. Polyunsaturated fatty acid interactions and breast cancer incidence: a population-based case-control study on Long Island, New York. Ann Epidemiol. 2015 Dec;25(12):929-35. doi: 10.1016/j.annepidem.2015.09.003. Epub 2015 Sep 14. PMID:26452606
452. White AJ, Chen J, Teitelbaum SL, McCullough LE, Xu X, Hee Cho Y, Conway K, Beyea J, Stellman SD, Steck SE, Mordukhovich I, Eng SM, Beth Terry M, Engel LS, Hatch M, Neugut AI, Hibshoosh H, Santella RM, Gammon MD. [Sources of polycyclic aromatic hydrocarbons are associated with gene-specific promoter methylation in women with breast cancer](#). Environ Res. 2015 Dec 6;145:93-100. doi: 10.1016/j.envres.2015.11.033. [Epub ahead of print] PMID: 26671626
453. White AJ, Chen J, McCullough LE, Xu X, Cho YH, Teitelbaum SL, Neugut AI, Terry MB, Hibshoosh H, Santella RM, Gammon MD. [Polycyclic aromatic hydrocarbon \(PAH\)-DNA adducts and breast cancer: modification by gene promoter methylation in a population-based study](#). Cancer Causes Control. 2015 Dec;26(12):1791-802. doi: 10.1007/s10552-015-0672-7. Epub 2015 Sep 25. PMID:26407953
454. Shen J, Siegel AB, Remotti H, Wang Q, Shen Y, Santella RM. [Exploration of Deregulated Long Non-Coding RNAs in Association with Hepatocarcinogenesis and Survival](#). Cancers (Basel). 2015 Sep 10;7(3):1847-62. doi: 10.3390/cancers7030865. PMCID:PMC4586798

455. Cho YH, McCullough LE, Gammon MD, Wu HC, Zhang YJ, Wang Q, Xu X, Teitelbaum SL, Neugut AI, Chen J, Santella RM. [Promoter Hypermethylation in White Blood Cell DNA and Breast Cancer Risk](#). J Cancer. 2015 Jul 15;6(9):819-24. doi: 10.7150/jca.12174. eCollection 2015. PMID:PMC4532978
456. Hoyos-Giraldo LS, Escobar-Hoyos LF, Saavedra-Trujillo D, Reyes-Carvajal I, Muñoz A, Londoño-Velasco E, Tello A, Cajas-Salazar N, Ruiz M, Carvajal S, Santella RM. [Gene-specific promoter methylation is associated with micronuclei frequency in urothelial cells from individuals exposed to organic solvents and paints](#). J Expo Sci Environ Epidemiol. 2015 May 20. doi: 10.1038/jes.2015.28. [Epub ahead of print] PMID:25993025
457. McCullough LE, Chen J, White AJ, Xu X, Cho YH, Bradshaw PT, Eng SM, Teitelbaum SL, Terry MB, Garbowski G, Neugut AI, Hibshoosh H, Santella RM, Gammon MD. [Global DNA Methylation, Measured by the Luminometric Methylation Assay \(LUMA\), Associates with Postmenopausal Breast Cancer in Non-Obese and Physically Active Women](#). J Cancer. 2015 May 1;6(6):548-54. doi: 10.7150/jca.11359. PMID:PMC4439941
455. Winchester DA, Till C, Goodman PJ, Tangen CM, Santella RM, Johnson-Pais TL, Leach RJ, Xu J, Zheng SL, Thompson IM, Lucia MS, Lippmann SM, Parnes HL, Dluzniewski PJ, Isaacs WB, De Marzo AM, Drake CG, Platz EA. [Variation in genes involved in the immune response and prostate cancer risk in the placebo arm of the Prostate Cancer Prevention Trial](#). Prostate. 2015 Sep;75(13):1403-18. doi: 10.1002/pros.23021. Epub 2015 Jun 5.
456. Winchester DA, Gurel B, Till C, Goodman PJ, Tangen CM, Santella RM, Johnson-Pais TL, Leach RJ, Thompson IM, Xu J, Zheng SL, Lucia MS, Lippman SM, Parnes HL, Isaacs WB, Drake CG, Marzo AM, Platz EA. [Key genes involved in the immune response are generally not associated with intraprostatic inflammation in men without a prostate cancer diagnosis: Results from the prostate cancer prevention trial](#). Prostate. 2016 Jan 15. doi: 10.1002/pros.23147. [Epub ahead of print] PMID:26771888
457. [Mordukhovich I¹, Beyea J, Herring AH, Hatch M, Stellman SD, Teitelbaum SL, Richardson DB, Millikan RC, Engel LS, Shantakumar S, Steck SE, Neugut AI, Rossner P, Santella RM, Gammon MD](#). Vehicular Traffic-Related Polycyclic Aromatic Hydrocarbon Exposure and Breast Cancer Incidence: The Long Island Breast Cancer Study Project (LIBCSP). [Environ Health Perspect](#). 2016 Jan;124(1):30-8. doi: 10.1289/ehp.1307736. PMID:PMC4710589
458. Mordukhovich I, Beyea J, Herring AH, Hatch M, Stellman SD, Teitelbaum SL, Richardson DB, Millikan RC, Engel LS, Shantakumar S, Steck SE, Neugut AI, Rossner P Jr, Santella RM, Gammon MD. [Polymorphisms in DNA Repair Genes, Traffic-Related Polycyclic Aromatic Hydrocarbon Exposure, and Breast Cancer Incidence](#). Int J Cancer. 2016 Mar 4. doi: 10.1002/ijc.30079. PMID:26946191
459. McCullough LE, Chen J, Cho YH, Khankari NK, Bradshaw PT, White AJ, Garbowski G, Teitelbaum SL, Terry MB, Neugut AI, Hibshoosh H, Santella RM, Gammon MD. [DNA methylation modifies the association between obesity and survival after breast cancer diagnosis](#). Breast Cancer Res Treat. 2016 Feb;156(1):183-94. doi: 10.1007/s10549-016-3724-0. Epub 2016 Mar 5. PMID:26945992
460. Wu HC, Shen J, Yang HI, Tsai WY, Chen CJ, Santella RM. [Blood DNA methylation markers in prospectively identified hepatocellular carcinoma cases and controls from Taiwan](#). World J Hepatol. 2016 Feb 18;8(5):301-6. doi: 10.4254/wjh.v8.i5.301. PMID: PMC4757653
461. White AJ, Bradshaw PT, Herring AH, Teitelbaum SL, Beyea J, Stellman SD, Steck SE, Mordukhovich I, Eng SM, Engel LS, Conway K, Hatch M, Neugut AI, Santella RM, Gammon MD. [Exposure to multiple sources of polycyclic aromatic hydrocarbons and breast cancer incidence](#). Environ Int. 2016 Feb 12;89-90:185-192. doi: 10.1016/j.envint.2016.02.009. [PMC4818720](#)
462. Couch FJ, Kuchenbaecker KB, Michailidou K, Mendoza-Fandino GA, Nord S, Lilyquist J, Olswold C, Hallberg E, Agata S, Ahsan H, Aittomäki K, Ambrosone C, Andrulis IL, Anton-Culver H, Arndt V, Arun BK, Arver B, Barile M, Barkardottir RB, Barrowdale D, Beckmann L, Beckmann MW, Benitez J, Blank SV, Blomqvist C, Bogdanova NV, Bojesen SE, Bolla MK, Bonanni B, Brauch H, Brenner H, Burwinkel B, Buys SS, Caldes T, Caligo MA, Canzian F, Carpenter J, Chang-Claude J, Chanock SJ, Chung WK, Claes KB, Cox A, Cross SS, Cunningham JM, Czene K, Daly MB, Damiola F, Darabi H, de la Hoya M, Devilee P, Diez O, Ding YC, Dolcetti R, Domchek SM, Dorfling CM, Dos-Santos-Silva I, Dumont M, Dunning AM, Eccles DM, Ehrencrona H, Ekici AB, Eliassen H, Ellis S, Fasching PA, Figueroa J, Flesch-Janys D, Försti A, Fostira F, Foulkes WD, Friebel T, Friedman E, Frost D, Gabrielson M, Gammon MD, Ganz PA, Gapstur SM, Garber J, Gaudet MM, Gayther SA, Gerdes AM, Ghousaini M, Giles GG, Glendon G, Godwin AK, Goldberg MS, Goldgar DE, González-Neira A, Greene MH, Gronwald J, Guénel P, Gunter M, Haeberle L, Haiman CA, Hamann U, Hansen TV, Hart S, Healey S, Heikkinen T, Henderson BE, Herzog J, Hogervorst FB, Hollestelle A, Hooning MJ, Hoover RN, Hopper JL, Humphreys K, Hunter DJ, Huzarski T, Ilyanov EN, Isaacs C, Jakubowska A, James P, Janavicius R, Jensen UB, John EM, Jones M, Kabisch M, Kar S, Karlan BY, Khan S, Khaw KT, Kibriya MG, Knight JA, Ko YD, Konstantopoulou I, Kosma VM, Kristensen V, Kwong A, Laitman Y, Lambrechts D, Lazaro C, Lee E, Le Marchand L, Lester J, Lindblom A, Lindor N,

Lindstrom S, Liu J, Long J, Lubinski J, Mai PL, Makalic E, Malone KE, Mannermaa A, Manoukian S, Margolin S, Marme F, Martens JW, McGuffog L, Meindl A, Miller A, Milne RL, Miron P, Montagna M, Mazoyer S, Mulligan AM, Muranen TA, Nathanson KL, Neuhausen SL, Nevanlinna H, Nordestgaard BG, Nussbaum RL, Offit K, Olah E, Olopade OI, Olson JE, Osorio A, Park SK, Peeters PH, Peissel B, Peterlongo P, Peto J, Phelan CM, Pilarski R, Poppe B, Pykäs K, Radice P, Rahman N, Rantala J, Rappaport C, Rennert G, Richardson A, Robson M, Romieu I, Rudolph A, Rutgers EJ, Sanchez MJ, Santella RM, Sawyer EJ, Schmidt DF, Schmidt MK, Schmutzler RK, Schumacher F, Scott R, Senter L, Sharma P, Simard J, Singer CF, Sinilnikova OM, Soucy P, Southey M, Steinemann D, Stenmark-Askmal M, Stoppa-Lyonnet D, Swerdlow A, Szabo CI, Tamimi R, Tapper W, Teixeira MR, Teo SH, Terry MB, Thomassen M, Thompson D, Tihomirova L, Toland AE, Tollenaar RA, Tomlinson I, Truong T, Tsimiklis H, Teulé A, Tumino R, Tung N, Turnbull C, Ursin G, van Deurzen CH, van Rensburg EJ, Varon-Mateeva R, Wang Z, Wang-Gohrke S, Weiderpass E, Weitzel JN, Whittemore A, Wildiers H, Winqvist R, Yang XR, Yannoukakos D, Yao S, Zamora MP, Zheng W, Hall P, Kraft P, Vachon C, Slager S, Chenevix-Trench G, Pharoah PD, Monteiro AA, García-Closas M, Easton DF, Antoniou AC. Identification of four novel susceptibility loci for oestrogen receptor negative breast cancer. *Nat Commun*. 2016 Apr 27;7:11375. doi: 10.1038/ncomms11375. PMID:PMC4853421

462. Lai CY, Hsieh LL, Tang R, Santella RM, Chang-Chieh CR, Yeh CC. Association between polymorphisms of APE1 and OGG1 and risk of colorectal cancer in Taiwan. *World J Gastroenterol*. 2016 Mar 28;22(12):3372-80. doi: 10.3748/wjg.v22.i12.3372. PMID:PMC4806195

463. Rossner P Jr, Orhan H, Koppen G, Sakai K, Santella RM, Ambroz A, Rossnerova A, Sram RJ, Ciganek M, Neca J, Arzuk E, Mutlu N, Cooke MS. Urinary 8-oxo-7,8-dihydro-2'-deoxyguanosine analysis by an improved ELISA: An inter-laboratory comparison study. *Free Radic Biol Med*. 2016 Jun;95:169-79. doi: 10.1016/j.freeradbiomed.2016.03.016. Epub 2016 Mar 22. PMID: 27016072

464. Terry MB, McDonald JA, Wu HC, Eng S, Santella RM. Epigenetic Biomarkers of Breast Cancer Risk: Across the Breast Cancer Prevention Continuum. *Adv Exp Med Biol*. 2016;882:33-68. doi: 10.1007/978-3-319-22909-6_2. PMID: 26987530

465. Kappil MA, Liao Y, Terry MB, Santella RM. DNA Repair Gene Expression Levels as Indicators of Breast Cancer in the Breast Cancer Family Registry. *Anticancer Res*. 2016 Aug;36(8):4039-44. PMID: [PMC5278521](#)

466. Greenlee H, Odgen Gaffney A, Aycinena AC, Koch P, Contento I, Karmally W, Richardson JM, Shi Z, Lim E, Tsai WY, Santella RM, Blaner WS, Clugston RD, Cremers S, Pollak S, Sirosi I, Crew KD, Maurer M, Kalinsky K, Hershman DL. Long-term diet and biomarker changes after a short-term intervention among Hispanic breast cancer survivors: The ¡Cocinar Para Su Salud! randomized controlled trial. *Cancer Epidemiol Biomarkers Prev*. 2016 Nov;25(11):1491-1502 PMID:[PMC5501703](#)

467. Ruan P, Shen J, Santella RM, Zhou S, Wang S. NEpiC: a network-assisted algorithm for epigenetic studies using mean and variance combined signals. *Nucleic Acids Res*. 2016 Sep 19;44(16):e134 PMID: [PMC5027497](#)

468. Guo Y, Warren Andersen S, Shu XO, Michailidou K, Bolla MK, Wang Q, Garcia-Closas M, Milne RL, Schmidt MK, Chang-Claude J, Dunning A, Bojesen SE, Ahsan H, Aittomäki K, Andrulis IL, Anton-Culver H, Arndt V, Beckmann MW, Beeghly-Fadiel A, Benitez J, Bogdanova NV, Bonanni B, Børresen-Dale AL, Brand J, Brauch H, Brenner H, Brüning T, Burwinkel B, Casey G, Chenevix-Trench G, Couch FJ, Cox A, Cross SS, Czene K, Devilee P, Dörk T, Dumont M, Fasching PA, Figueroa J, Flesch-Janys D, Fletcher O, Flyger H, Fostira F, Gammon M, Giles GG, Guénel P, Haiman CA, Hamann U, Hoening MJ, Hopper JL, Jakubowska A, Jasmine F, Jenkins M, John EM, Johnson N, Jones ME, Kabisch M, Kibriya M, Knight JA, Koppert LB, Kosma VM, Kristensen V, Le Marchand L, Lee E, Li J, Lindblom A, Luben R, Lubinski J, Malone KE, Mannermaa A, Margolin S, Marme F, McLean C, Meijers-Heijboer H, Meindl A, Neuhausen SL, Nevanlinna H, Neven P, Olson JE, Perez JI, Perkins B, Peterlongo P, Phillips KA, Pykäs K, Rudolph A, Santella R, Sawyer EJ, Schmutzler RK, Seynaeve C, Shah M, Shrubsole MJ, Southey MC, Swerdlow AJ, Toland AE, Tomlinson I, Torres D, Truong T, Ursin G, Van Der Luijt RB, Verhoef S, Whittemore AS, Winqvist R, Zhao H, Zhao S, Hall P, Simard J, Kraft P, Pharoah P, Hunter D, Easton DF, Zheng W. Genetically Predicted Body Mass Index and Breast Cancer Risk: Mendelian Randomization Analyses of Data from 145,000 Women of European Descent. *PLoS Med*. 2016 Aug 23;13(8):e1002105. doi: 10.1371/journal.pmed.1002105. eCollection 2016 Aug. PMID:[PMC4995025](#)

469. Philipone E, Yoon AJ, Wang S, Shen J, Ko YC, Sink JM, Rockafellow A, Shammay NA, Santella RM. MicroRNAs-208b-3p, 204-5p, 129-2-3p and 3065-5p as predictive markers of oral leukoplakia that progress to cancer. *Am J Cancer Res*. 2016 Jul 1;6(7):1537-46. eCollection 2016. PMID:[PMC4969402](#)

470. Parada, H., Bradshaw, P.T., Engel, L.S., Conway, K., Steck, S.E., Teitelbaum, S.L., Neugut, A.I., Santella, R.M., Gammon, M.D. Environmental tobacco smoke exposure and survival following breast cancer. *Cancer Epidemiology, Biomarkers & Prevention*. pii: cebp.0658.2016. [Epub ahead of print] PMID:27765798

471. Niehoff N, White AJ, McCullough LE, Steck SE, Beyea J, Mordukhovich I, Shen J, Neugut AI, Conway K, Santella RM, Gammon MD. [Polycyclic aromatic hydrocarbons and postmenopausal breast cancer: An evaluation of effect measure modification by body mass index and weight change.](#) Environ Res. 2016 Oct 11;152:17-25. doi: 10.1016/j.envres.2016.09.022. PMID:[PMC5135619](#)
472. Kappil M, Terry MB, Delgado-Cruzata L, Liao Y, Santella RM. [Mismatch Repair Polymorphisms as Markers of Breast Cancer Prevalence in the Breast Cancer Family Registry.](#) Anticancer Res. 2016 Sep;36(9):4437-41. PMID:[PMC5278884](#)
473. Shen J, Yeh CC, Wang Q, Gurchich I, Siegel AB, Santella RM. [Plasma Adiponectin and Hepatocellular Carcinoma Survival Among Patients Without Liver Transplantation.](#) Anticancer Res. 2016 Oct;36(10):5307-5314. PMID:[PMC5289215](#)
474. Parada H Jr, Steck SE, Cleveland RJ, Teitelbaum SL, Neugut AI, Santella RM, Gammon MD. [Genetic polymorphisms of phase I metabolizing enzyme genes, their interaction with lifetime grilled and smoked meat intake, and breast cancer incidence.](#) Ann Epidemiol. 2016 Nov 25. pii: S1047-2797(16)30497-5. doi: 10.1016/j.annepidem.2016.11.005. [Epub ahead of print] PMID:[PMC5364809](#)
475. Wu HC, Southey MC, Hibshoosh H, Santella RM, Terry MB. [DNA Methylation in Breast Tumor from High-risk Women in the Breast Cancer Family Registry.](#) Anticancer Res. 2017 Feb;37(2):659-664. PMID:[PMC5505167](#)
476. Zeng H, Wu HC, Wang Q, Yang HI, Chen CJ, Santella RM, Shen J. [Telomere Length and Risk of Hepatocellular Carcinoma: A Nested Case-control Study in Taiwan Cancer Screening Program Cohort.](#) Anticancer Res. 2017 Feb;37(2):637-644. PMID:28179311
476. Parada H Jr, Steck SE, Bradshaw PT, Engel LS, Conway K, Teitelbaum SL, Neugut AI, Santella RM, Gammon MD. [Grilled, Barbecued, and Smoked Meat Intake and Survival Following Breast Cancer.](#) J Natl Cancer Inst. 2017 Jan 5;109(6). pii: djw299. doi: 10.1093/jnci/djw299. [PMC5214623](#)
478. Winchester DA, Till C, Goodman PJ, Tangen CM, Santella RM, Johnson-Pais TL, Leach RJ, Xu J, Zheng SL, Thompson IM, Lucia MS, Lippman SM, Parnes HL, Isaacs WB, De Marzo AM, Drake CG, Platz EA. [Association between variants in genes involved in the immune response and prostate cancer risk in men randomized to the finasteride arm in the Prostate Cancer Prevention Trial.](#) Prostate. 2017 Mar 20. doi: 10.1002/pros.23346. [Epub ahead of print] PMID:28317149
479. Manzanares MÁ, de Miguel C, Ruiz de Villa MC, Santella RM, Escrich E, Solanas M. [Dietary lipids differentially modulate the initiation of experimental breast carcinogenesis through their influence on hepatic xenobiotic metabolism and DNA damage in the mammary gland.](#) J Nutr Biochem. 2017 Feb 10;43:68-77. doi: 10.1016/j.jnutbio.2017.01.016. [Epub ahead of print] PMID:28264783
480. Shen J, Siegel AB, Remotti H, Wang Q, Santella RM. [Identifying microRNA panels specifically associated with hepatocellular carcinoma and its different etiologies.](#) Hepatoma Res. 2016 Jun;2:151-162. doi: 10.20517/2394-5079.2015.66. PMID:[PMC5325160](#)
481. McCullough LE, Chen J, Cho YH, Khankari NK, Bradshaw PT, White AJ, Teitelbaum SL, Terry MB, Neugut AI, Hibshoosh H, Santella RM, Gammon MD. [Modification of the association between recreational physical activity and survival after breast cancer by promoter methylation in breast cancer-related genes.](#) Breast Cancer Res. 2017 Feb 21;19(1):19. doi: 10.1186/s13058-017-0811-z. PMID:[PMC5319077](#)
482. Shen J, Liao Y, Hopper JL, Goldberg M, Santella RM, Terry MB. Dependence of cancer risk from environmental exposures on underlying genetic susceptibility: an illustration with polycyclic aromatic hydrocarbons and breast cancer. Br J Cancer. 2017 Mar 28. doi: 10.1038/bjc.2017.81. [Epub ahead of print] PMID:[PMC5418454](#)
483. Tehranifar P, Wu HC, McDonald JA, Jasmine F, Santella RM, Gurchich I, Flom JD, Terry MB. [Maternal cigarette smoking during pregnancy and offspring DNA methylation in midlife.](#) Epigenetics. 2017 May 11:0. doi: 10.1080/15592294.2017.1325065. PMID: [PMC5873358](#)
484. Parada, H., Bradshaw, P.T., Steck, S.E., Engel, L.S., Conway, K., Teitelbaum, S.L., Neugut, A.I., Santella, R.M., Gammon, M.D. Post-diagnosis changes in cigarette smoking and survival following breast cancer. *JNCI Cancer Spectrum*. 2017 Sep;1(1). pii: pkx001. doi: 10.1093/jncics/pkx001 PMID: [PMC5875926](#)

485. Yeh CC, Goyal A, Shen J, Wu HC, Strauss JA, Wang Q, Gurvich I, Safyan RA, Manji GA, Gamble MV, Siegel AB, Santella RM. [Global Level of Plasma DNA Methylation is Associated with Overall Survival in Patients with Hepatocellular Carcinoma](#). *Ann Surg Oncol*. 24(12):3788-3795 2017 doi: 10.1245/s10434-017-5913-4. PMC5801698
486. Parvez F, Medina S, Santella RM, Islam T, Lauer FT, Alam N, Eunos M, Rahman M, Factor-Litvak P, Ahsan H, Graziano JH, Liu KJ, Burchiel SW. [Arsenic exposures alter clinical indicators of anemia in a male population of smokers and non-smokers in Bangladesh](#). *Toxicol Appl Pharmacol*. 2017 May 16. pii: S0041-008X(17)30208-9. doi: 10.1016/j.taap.2017.05.014. [Epub ahead of print] PMID:28526635
487. Chu YJ, Yang HI, Wu HC, Liu J, Wang LY, Lu SN, Lee MH, Jen CL, You SL, Santella RM, Chen CJ. [Aflatoxin B₁ exposure increases the risk of cirrhosis and hepatocellular carcinoma in chronic hepatitis B virus carriers](#). *Int J Cancer*. 2017 Aug 15;141(4):711-720. doi: 10.1002/ijc.30782. Epub 2017 May 26. PMC5513813
488. Aushev VN, Lee E, Zhu J, Gopalakrishnan K, Li Q, Teitelbaum SL, Wetmur JG, Degli Esposti D, Hernandez-Vargas H, Herceg Z, Parada H, Santella RM, Gammon MD, Chen J. [Novel predictors of breast cancer survival derived from miRNA activity analysis](#). *Clin Cancer Res* 2018 Feb 1;24(3):581-591 PMID: PMC6103440
489. Wu HC, Yang HI, Wang Q, Chen CJ, Santella RM. [Plasma DNA methylation marker and hepatocellular carcinoma risk prediction model for the general population](#). *Carcinogenesis*. 2017 Oct 1;38(10):1021-1028. doi: 10.1093/carcin/bgx078. PMID:28981677
490. Tang L, Platek ME, Yao S, Till C, Goodman PJ, Tangen CM, Wu Y, Platz EA, Neuhauser ML, Stanczyk FZ, Reichardt JKV, Santella RM, Hsing A, Figg WD, Lippman SM, Thompson IM, Ambrosone CB. Associations between polymorphisms in genes related to estrogen metabolism and function and prostate cancer risk: results from the Prostate Cancer Prevention Trial. *Carcinogenesis*. 2017 Dec 8. doi: 10.1093/carcin/bgx144. [Epub ahead of print] PMID:29228205
491. Aushev VN, Lee E, Zhu J, Gopalakrishnan K, Li Q, Teitelbaum SL, Wetmur JG, Degli Esposti D, Hernandez-Vargas H, Herceg Z, Parada H, Santella RM, Gammon MD, Chen J. Novel predictors of breast cancer survival derived from miRNA activity analysis. *Clin Cancer Res*. 2017 Nov 14. pii: clincanres.0996.2017. doi: 10.1158/1078-0432.CCR-17-0996. [Epub ahead of print] PMID:29138345
492. Cheng TD, Darke AK, Redman MW, Zirpoli GR, Davis W, Payne Ondracek R, Bshara W, Omilian AR, Kratzke R, Reid ME, Molina JR, Kolesar JM, Chen Y, MacRae RM, Moon J, Mack P, Gandara DR, Kelly K, Santella RM, Albain KS, Ambrosone CB. Smoking, Sex, and Non-Small Cell Lung Cancer: Steroid Hormone Receptors in Tumor Tissue (S0424). *J Natl Cancer Inst*. 2018 Jan 13. doi: 10.1093/jnci/djx260. [Epub ahead of print] PMID:2934658
493. Chu YJ, Yang HI, Wu HC, Lee MH, Liu J, Wang LY, Lu SN, Jen CL, You SL, Santella RM, Chen CJ. [Aflatoxin B₁ exposure increases the risk of hepatocellular carcinoma associated with hepatitis C virus infection or alcohol consumption](#). *Eur J Cancer*. 2018 Mar 10;94:37-46. doi: 10.1016/j.ejca.2018.02.010. PMC5895495
494. Wu HC, Do C, Andrulis IL, John EM, Daly MB, Buys SS, Chung WK, Knight JA, Bradbury AR, Keegan THM, Schwartz L, Krupska I, Miller RL, Santella RM, Tycko B, Terry MB. [Breast Cancer Family History and Allele-Specific DNA Methylation in the Legacy Girls Study](#). *Epigenetics*. 2018 Feb 13:1-23. doi: 10.1080/15592294.2018.1435243. PMID: PMC5997170
495. Parada H Jr., Gammon MD, Chen J, Calafat AM, Neugut AI, Santella RM, Wolff MS, Teitelbaum SL. Urinary Phthalate Metabolite Concentrations and Breast Cancer Incidence and Survival following Breast Cancer: The Long Island Breast Cancer Study Project. *Environ Health Perspect*. 2018 Apr 26;126(4):047013. doi: 10.1289/EHP2083. PMID: 29701940 PMID: PMC6071801
496. Collin LJ, McCullough LE, Conway K, White AJ, Xu X, Cho YH, Shantakumar S, Teitelbaum SL, Neugut AI, Santella RM, Chen J, Gammon MD. Reproductive characteristics modify the association between global DNA methylation and breast cancer risk in a population-based sample of women. *PLoS One*. 2019 Feb 14;14(2):e0210884. doi: 10.1371/journal.pone.0210884. eCollection 2019. PMID:30763347
497. Parada, H. Jr., Cleveland, R.J., North, K.E., Stevens, J., Teitelbaum, S.L., Neugut, A.I., Santella, R.M., Martinez, M.E., Gammon, M.D. Genetic polymorphisms of diabetes-related genes, their interaction with diabetes status, and breast cancer incidence and mortality: The Long Island Breast Cancer Study Project. *Molecular Carcinogenesis*. 2018 Nov 20. doi: 10.1002/mc.22940. PMID: PMC6377588
498. Statland JM, Moore D, Wang Y, Walsh M, Mozaffar T, Elman L, Nations SP, Mitsumoto H, Fernandes JA, Saperstein D, Hayat G, Herbelin L, Karam C, Katz J, Wilkins HM, Agbas A, Swerdlow RH, Santella RM, Dimachkie MM, Barohn RJ;

- Rasagiline Investigators of the Muscle Study Group and Western ALS Consortium. Rasagiline for amyotrophic lateral sclerosis: A randomized, controlled trial. *Muscle Nerve*. 2018 Sep 7. doi: 10.1002/mus.26335. PMID: 30192007
499. Houghton LC, Knight JA, Wei Y, Romeo, RD, Goldberg, M, Andrulis, IL, Bradbury, AR, Buys, SS, Daly, MB, John, EM, Chung, WK, Santella, RM, Stanczyk, FZ, Terry, MB. Association of Prepubertal and Adolescent Androgen Concentrations With Timing of Breast Development and Family History of Breast Cancer. *JAMA Netw Open*. 2019;2(2):e190083. doi:10.1001/jamanetworkopen.2019.0083 PMID: PMC6484611
500. Santella, RM Measurement of polycyclic aromatic hydrocarbon-DNA adducts and studies of human cancer risk using antibody-based methods in Carcinogens, DNA Damage and Cancer Risk Poirier, MC ed World Scientific NJ 2019
501. Wu HC, Cohn BA, Cirillo PM, Santella RM, Terry MB. DDT Exposure during Pregnancy and DNA Methylation Alterations in Female Offspring in the Child Health and Development Study. *Reprod Toxicol*. 2019 Feb 26. pii: S0890-6238(18)30531-8. doi: 10.1016/j.reprotox.2019.02.010. PMID: PMC6710160
502. Parvez F, Lauer FT, Factor-Litvak P, Liu X, Santella RM, Islam T, Eunos M, Alam N, Sarwar G, Rahman M, Ahsan H, Graziano J, Burchiel SW. Assessment of arsenic and polycyclic aromatic hydrocarbon (PAH) exposures on immune function among males in Bangladesh. *PLoS One*. 2019 May 16;14(5):e0216662. doi: 10.1371/
503. Parada, H. Jr., Gammon, M.D., Ettore, H., Chen, J., Calafat, A.M., Neugut, A.I., Santella, R.M., Wolff, M.S., Teitelbaum, S.L. Urinary concentrations of environmental phenols and their associations with breast cancer incidence and mortality following breast cancer. *Environ Int*. 2019 Jun 18;130:104890. doi: 10.1016/j.envint.2019.05.084. PMID: 31228785 PMID: PMC6679996
504. Lauer FT, Parvez F, Factor-Litvak P, Liu X, Santella RM, Islam T, Eunos M, Alam N, Hasan AKMR, Rahman M, Ahsan H, Graziano J, Burchiel SW. Changes in human peripheral blood mononuclear cell (HPBMC) populations and T-cell subsets associated with arsenic and polycyclic aromatic hydrocarbon exposures in a Bangladesh cohort. *PLoS One*. 2019 Jul 31;14(7):e0220451. doi: 10.1371/journal.pone.0220451. eCollection 2019 PMID: PMC6668812
505. Burchiel SW, Lauer FT, Factor-Litvak P, Liu X, Santella RM, Islam T, Eunos M, Alam N, Islam T, Rahman M, Ahmed A, Ahsan H, Graziano J, Parvez F. An increase in circulating B cells and B cell activation markers in peripheral blood is associated with cigarette smoking in a male cohort in Bangladesh. *Toxicol Appl Pharmacol*. 2019 Oct 25:114783. doi: 10.1016/j.taap.2019.114783. PMID: 31669812
506. Aushev V, Gopalakrishnan K, Teitelbaum SL, Parada H, Santella RM, Gammon M, Chen J. Tumor expression of environmental chemical-responsive genes and breast cancer mortality. *Endocr Relat Cancer*. 2019 Oct 1. pii: ERC-19-0357. doi: 10.1530/ERC-19-0357. PMID: 31593922
507. McCullough LE, Collin LJ, Conway K, White AJ, Cho YH, Shantakumar S, Terry MB, Teitelbaum SL, Neugut AI, Santella RM, Chen J, Gammon MD. Reproductive characteristics are associated with gene-specific promoter methylation status in breast cancer. *BMC Cancer*. 2019 Sep 18;19(1):926. doi: 10.1186/s12885-019-6120-4. PMID: 31533668 PMID: PMC6749688
508. Wang T, McCullough LE, White AJ, Bradshaw PT, Xu X, Cho YH, Terry MB, Teitelbaum SL, Neugut AI, Santella RM, Chen J, Gammon MD. Prediagnosis aspirin use, DNA methylation, and mortality after breast cancer: A population-based study. *Cancer*. 2019 Nov 1;125(21):3836-3844. doi: 10.1002/cncr.32364. Epub 2019 Aug 12. PMID: 31402456
509. Yoon AJ, Wang S, Kutler DI, Carvajal RD, Philipone E, Wang T, Peters SM, LaRoche D, Hernandez BY, McDowell BD, Stewart CR, Momen-Heravi F, Santella RM. MicroRNA-based risk scoring system to identify early-stage oral squamous cell carcinoma patients at high-risk for cancer-specific mortality. *Head Neck*. 2020 Aug;42(8):1699-1712. doi: 10.1002/hed.26089. Epub 2020 Jan 25. PMID: 31981257; PMID: PMC7369212.
510. Genkinger JM, Su GH, Santella RM. Identifying Novel Genetic Markers Through Transcription-Wide Association Study: Can This Be A Path To Reducing The Burden of Pancreatic cancer?. *J Natl Cancer Inst*. 2020;djz247. doi:10.1093/jnci/djz247
511. Wang T, Nichols HB, Nyante SJ, Bradshaw PT, Moorman PG, Kabat GC, Parada H Jr, Khankari NK, Teitelbaum SL, Terry MB, Santella RM, Neugut AI, Gammon MD. Urinary Estrogen Metabolites and Long-Term Mortality Following Breast Cancer. *JNCI Cancer Spectr*. 2020 Mar 2;4(3):pkaa014. doi: 10.1093/jncics/pkaa014. PMID: 32455334; PMID: PMC7236781.

512. Yazici H, Wu HC, Tigli H, Yilmaz EZ, Kebudi R, Santella RM. High levels of global genome methylation in patients with retinoblastoma. *Oncol Lett.* 2020 Jul;20(1):715-723. doi: 10.3892/ol.2020.11613. Epub 2020 May 13. PMID: 32565997; PMCID: PMC7286142.
513. Mitumoto H, Garofalo DC, Santella RM, Sorenson EJ, Oskarsson B, Fernandes JAM Jr, Andrews H, Hupf J, Gilmore M, Heitzman D, Bedlack RS, Katz JS, Barohn RJ, Kasarskis EJ, Lomen-Hoerth C, Mozaffar T, Nations SP, Swenson AJ, Factor-Litvak P. Plasma creatinine and oxidative stress biomarkers in amyotrophic lateral sclerosis. *Amyotroph Lateral Scler Frontotemporal Degener.* 2020 May;21(3-4):263-272. doi: 10.1080/21678421.2020.1746810. Epub 2020 Apr 10. PMID: 32276554; PMCID: PMC7373369.
514. McDonald JA, Cherubin S, Goldberg M, Wei Y, Chung WK, Schwartz LA, Knight JA, Schooling CM, Santella RM, Bradbury AR, Buys SS, Andrulis IL, John EM, Daly MB, Terry MB. Common Childhood Viruses and Pubertal Timing: The LEGACY Girls Study. *Am J Epidemiol.* 2020 Oct 31;kwaa240. doi: 10.1093/aje/kwaa240. Epub ahead of print. PMID: 33128063.
515. Wu HC, Brennan LA, Goldberg M, Chung WK, Wei Y, Santella RM, Terry MB. Influence of pubertal development on urinary oxidative stress biomarkers in adolescent girls in the New York LEGACY cohort. *Free Radic Res.* 2020 Jun;54(6):431-441. doi: 10.1080/10715762.2020.1798001. Epub 2020 Sep 10. PMID: 32686531.
516. Monson KR, Goldberg M, Wu HC, Santella RM, Chung WK, Terry MB. Circulating growth factor concentrations and breast cancer risk: a nested case-control study of IGF-1, IGFBP-3, and breast cancer in a family-based cohort. *Breast Cancer Res.* 2020 Oct 22;22(1):109. doi: 10.1186/s13058-020-01352-0. PMID: 33092613; PMCID: PMC7579807.
517. Yoon AJ, Santella RM, Wang S, Kutler DI, Carvajal RD, Philipone E, Wang T, Peters SM, Stewart CR, Momen-Heravi F, Troob S, Levin M, AkhavanAghdam Z, Shackelford AJ, Canterbury CR, Shimonosono M, Hernandez BY, McDowell BD, Nakagawa H. MicroRNA-based cancer mortality risk scoring system and hTERT expression in early-stage oral squamous cell carcinoma. *J Oncol* 2021. doi.org/10.1155/2020/8292453.
518. Coignard J, Lush M, Beesley J, O'Mara TA, Dennis J, Tyrer JP, Barnes DR, McGuffog L, Leslie G, Bolla MK, Adank MA, Agata S, Ahearn T, Aittomäki K, Andrulis IL, Anton-Culver H, Arndt V, Arnold N, Aronson KJ, Arun BK, Augustinsson A, Azzollini J, Barrowdale D, Baynes C, Becher H, Bermisheva M, Bernstein L, Biakowska K, Blomqvist C, Bojesen SE, Bonanni B, Borg A, Brauch H, Brenner H, Burwinkel B, Buys SS, Caldés T, Caligo MA, Campa D, Carter BD, Castela JE, Chang-Claude J, Chanock SJ, Chung WK, Claes KBM, Clarke CL; GEMO Study Collaborators; EMBRACE Collaborators, Collée JM, Conroy DM, Czene K, Daly MB, Devilee P, Diez O, Ding YC, Domchek SM, Dörk T, Dos-Santos-Silva I, Dunning AM, Dwek M, Eccles DM, Eliassen AH, Engel C, Eriksson M, Evans DG, Fasching PA, Flyger H, Fostira F, Friedman E, Fritschi L, Frost D, Gago-Dominguez M, Gapstur SM, Garber J, Garcia-Barberan V, García-Closas M, García-Sáenz JA, Gaudet MM, Gayther SA, Gehrige A, Georgoulas V, Giles GG, Godwin AK, Goldberg MS, Goldgar DE, González-Neira A, Greene MH, Guénel P, Haeblerle L, Hahnen E, Haiman CA, Håkansson N, Hall P, Hamann U, Harrington PA, Hart SN, He W, Hogervorst FBL, Hollestelle A, Hopper JL, Horcasitas DJ, Hulick PJ, Hunter DJ, Imyanitov EN; KConFab Investigators; HEBON Investigators; ABCTB Investigators, Jager A, Jakubowska A, James PA, Jensen UB, John EM, Jones ME, Kaaks R, Kapoor PM, Karlan BY, Keeman R, Khusnutdinova E, Kiiski JI, Ko YD, Kosma VM, Kraft P, Kurian AW, Laitman Y, Lambrechts D, Le Marchand L, Lester J, Lesueur F, Lindstrom T, Lopez-Fernández A, Loud JT, Luccarini C, Mannermaa A, Manoukian S, Margolin S, Martens JWM, Mebirouk N, Meindl A, Miller A, Milne RL, Montagna M, Nathanson KL, Neuhausen SL, Nevanlinna H, Nielsen FC, O'Brien KM, Olopade OI, Olson JE, Olsson H, Osorio A, Ottini L, Park-Simon TW, Parsons MT, Pedersen IS, Peshkin B, Peterlongo P, Peto J, Pharoah PDP, Phillips KA, Polley EC, Poppe B, Presneau N, Pujana MA, Punie K, Radice P, Rantala J, Rashid MU, Rennert G, Rennert HS, Robson M, Romero A, Rossing M, Saloustros E, Sandler DP, Santella R, Scheuner MT, Schmidt MK, Schmidt G, Scott C, Sharma P, Soucy P, Southey MC, Spinelli JJ, Steinsnyder Z, Stone J, Stoppa-Lyonnet D, Swerdlow A, Tamimi RM, Tapper WJ, Taylor JA, Terry MB, Teulé A, Thull DL, Tischkowitz M, Toland AE, Torres D, Trainer AH, Truong T, Tung N, Vachon CM, Vega A, Vijai J, Wang Q, Wappenschmidt B, Weinberg CR, Weitzel JN, Wendt C, Wolk A, Yadav S, Yang XR, Yannoukakos D, Zheng W, Ziogas A, Zorn KK, Park SK, Thomassen M, Offit K, Schmutzler RK, Couch FJ, Simard J, Chenevix-Trench G, Easton DF, Andrieu N, Antoniou AC. A case-only study to identify genetic modifiers of breast cancer risk for BRCA1/BRCA2 mutation carriers. *Nat Commun.* 2021 Feb 17;12(1):1078. doi: 10.1038/s41467-020-20496-3. PMID: 33597508; PMCID: PMC7890067.
519. Wang L, Li Q, Aushev VN, Neugut AI, Santella RM, Teitelbaum S, Chen J. PAM50- and immunohistochemistry-based subtypes of breast cancer and their relationship with breast cancer mortality in a population-based study. *Breast Cancer.* 2021 May 18. doi: 10.1007/s12282-021-01261-w. Epub ahead of print. PMID: 34003448.
520. Wu HC, Yang HI, Lin PH, Chen CJ, Santella RM, Terry MB. Reproductive and environmental exposures and the breast cancer risk in Taiwanese women. *Sci Rep.* 2021 Aug 2;11(1):15656. doi: 10.1038/s41598-021-95290-2. PMID: 34341437; PMCID: PMC8329069

521. Mitsumoto H, Garofalo DC, Gilmore M, Andrews L, Santella RM, Andrews H, McElhiney M, Murphy J, Nieves JW, Rabkin J, Hupf J, Horton DK, Mehta P, Factor-Litvak P. Case-control study in ALS using the National ALS Registry: lead and agricultural chemicals are potential risk factors. *Amyotroph Lateral Scler Frontotemporal Degener*. 2021 Jun 17:1-13. doi: 10.1080/21678421.2021.1936556. Epub ahead of print. PMID: 34137650.
522. Wu HC, Shen J, Siegel A, Santella RM. Environmental exposure and clinical correlates of hepatocellular carcinoma in New York City: a case only study. *Cancer Causes Control*. 2021 Sep 8. doi: 10.1007/s10552-021-01494-2. Epub ahead of print. PMID: 34498221.
523. Zhang X, Wolff MS, Shen J, Parada H Jr, Santella RM, Neugut AI, Chen J, Teitelbaum SL. Phthalates and Phenols, Leukocyte Telomere Length, and Breast Cancer Risk and Mortality in the Long Island Breast Cancer Study Project. *Cancer Epidemiol Biomarkers Prev*. 2021 Oct 25. doi: 10.1158/1055-9965.EPI-21-0830. Epub ahead of print. PMID: 34697054.
524. John EM, Koo J, Ingles SA, Keegan TH, Nguyen JT, Thomsen C, Terry MB, Santella RM, Nguyen K, Yan B. Predictors of urinary polycyclic aromatic hydrocarbon metabolites in girls from the San Francisco Bay Area. *Environ Res*. 2021 Dec 9:112534. doi: 10.1016/j.envres.2021.112534. Epub ahead of print. PMID: 34896321.
525. Chronister BNC, Wu T, Santella RM, Neugut AI, Wolff MS, Chen J, Teitelbaum SL, Parada H Jr. Dietary Acid Load, Serum Polychlorinated Biphenyl Levels, and Mortality Following Breast Cancer in the Long Island Breast Cancer Study Project. *Int J Environ Res Public Health*. 2021 Dec 30;19(1):374. doi: 10.3390/ijerph19010374. PMID: 35010632; PMCID: PMC8751127.