

# CURRICULUM VITAE

## Current Position

Business Address Myles Gordon Cockburn, Ph.D.  
Professor  
Department of Epidemiology  
Colorado School of Public Health  
13001 E. 17th Place, Room N6203C  
Aurora, CO 80045

Business Phone (303) 724 8791  
Mobile Phone (805) 490 4450  
E-Mail Address myles.cockburn@ucdenver.edu

## Education

- University • University of Otago, Dunedin, New Zealand, B.A. 1991
- Graduate • University of Otago, Dunedin, New Zealand, PGDipArt with distinction, 1992
- University of Otago, Dunedin, New Zealand, Ph.D. in Epidemiology (Thesis: Epidemiology of Gastric Cancer and Helicobacter pylori Infection in New Zealand. Committee: Dr Brian Cox, MD, Ph.D., Professor Charlotte Paul, MD, Ph.D.), 1998
- Fellowship • Health Research Council of New Zealand Overseas Postdoctoral Fellowship, 1996-1998

## Academic Appointments and Positions

- Research Assistant, University of Otago Department of Preventive and Social Medicine 1994 - 1996
- Teaching Assistant, University of Otago School of Physiotherapy, Research Methods Course 1996 - 1997
- Health Research Council of New Zealand Postdoctoral Fellow, University of Southern California School of Medicine, USC/Norris Cancer Center 1996-1998.
- Research Associate, Department of Preventive Medicine, University of Southern California School of Medicine, USC/Norris Cancer Center 1999-2001
- Visiting Assistant Professor of Research, Department of Preventive Medicine, University of Southern California School of Medicine, USC/Norris Cancer Center 2001-2003
- Assistant Professor of Research, Department of Preventive Medicine, University of Southern California School of Medicine, USC/Norris Comprehensive Cancer Center 2003-2008
- Associate Professor of Research, Department of Geography, College of Letters, Arts and Sciences, University of Southern California 2008 - 2010
- Associate Professor of Research, Department of Preventive Medicine, University of Southern California School of Medicine, USC/Norris Comprehensive Cancer Center 2008 – 2012
- Associate Professor with Tenure, Department of Preventive Medicine, University of Southern California School of Medicine, USC/Norris Comprehensive Cancer Center 2012 - 2015
- Associate Professor, Department of Dermatology, University of Southern California Keck School of Medicine 2014 - 2015

- Associate Professor, Spatial Sciences Institute, University of Southern California Dornsife College of Letters, Arts and Sciences 2014 – 2015
- Professor with Tenure, Department of Preventive Medicine, University of Southern California School of Medicine, USC/Norris Comprehensive Cancer Center 2015 -
- Professor, Department of Dermatology, University of Southern California Keck School of Medicine 2015 -
- Professor, Spatial Sciences Institute, University of Southern California Dornsife College of Letters, Arts and Sciences 2015 -
- Director, Division of Disease Prevention and Global Health, Preventive Medicine, USC/Keck School of Medicine, 2014 – 2016
- Visiting Professor, Department of Epidemiology, Colorado School of Public Health, 2016 – present
- AMC/CancerCure Chair in Cancer Prevention and Control, University of Colorado Cancer Center, 2016 – present

## Professional Positions

### *Consultantships*

10/1/2004 – 9/30/2011: Consultant to UCSD Chromaffin Cell and Hypertension Research Unit (“Functional allelic heterogeneity and pleiotropy of a repeat polymorphism in tyrosine hydroxylase: Prediction of catecholamines and response to stress in twins”, Autonomic Pharmacodynamic Pharmacogenomics NIH 5 U01 HL69758-04). Assist with analysis and interpretation of twin data.

6/1/2005 – 5/30/2010: Consultant to NCI Center to Reduce Cancer Health Disparities, Southern California Site: “WINCART: Weaving an Islander Network for Cancer Awareness, Research and Training”. (<http://crchd.nci.nih.gov/initiatives/cnp/programsites.html>). Provide expertise on methods for cancer trend analysis in distinct populations.

10/1/2005 – 9/31/2010: Consultant to NCI R03 Gomez, S, “Social and built environment and race/ethnic variations in cancer outcomes”. Assist with analysis and interpretation of GIS-related research activities.

10/1/2005 – 9/31/2010: Consultant to NCI R01 Gomez, S, “Impact of discrimination on medical care & quality of life: breast & colon cancer”. Assist with analysis and interpretation of GIS-related research activities.

1/1/2009 – 12/31/2014: Consultant to NCI R01 Gomez, S, “Impact of contextual factors on disparities in breast cancer risk and survival”. Assist with analysis and interpretation of health-related GIS data.

1/1/2007 – 12/31/2011: Consultant to Susan G Komen Foundation award (DISP0707415), Blackburn, C, “Quantifying Transportation Barriers in Accessing Health Facilities for Breast Cancer Diagnosis and Treatment” Assist with analysis and interpretation of health-related GIS data.

10/30/2009 – 9/30/2014: Consultant to 2P50 CA095815-06 “Communications-based strategies to eliminate cancer disparities” (Kreuter, PI). Providing GIS expertise on the presentation and communication of cancer-based risk maps.

10/12/2012 – present: Member of Chemical Mixtures in the Environment Task Force for The Halifax Project, an international consortium of invited scientists whose goal is to produce position statements on current cancer research progress and identify priority areas for future research.

### **Honors and Awards**

- Health Research Council of New Zealand Postgraduate/Doctoral Scholarship 1994-1997
- John Young Award for Excellence in Cancer Research 2002
- Special Recognition Award, American Cancer Society, 2008
- Mellon Mentoring Award, Mentoring Graduate Students, University of Southern California, 2014

### **Professional Affiliations**

#### *International*

- Australasian Epidemiological Association, 1994-
- Public Health Association of New Zealand, 1994-
- International Epidemiological Association, 1994-
- International Society for Twin Studies, 1999-
- American Association for the Advancement of Science, 1999-
- Society for Epidemiologic Research, 2002-
- International Society for Environmental Epidemiology, 2005-
- Society for Melanoma Research, 2006-
- Member of the American College of Epidemiology (ACE), 2008-

### **Professional Leadership and Service**

#### *Departmental*

- Advisory Committee to the Chair, Department of Preventive Medicine, USC Keck School of Medicine, 2012 – 2013
- Education Committee, Department of Preventive Medicine, USC Keck School of Medicine, 2012 – 2016
- Faculty Appointments and Promotions Committee, Spatial Sciences Institute, USC/Dornsife, 2012 – 2016
- Faculty Appointments and Promotions Committee, Preventive Medicine, USC/Keck School of Medicine, 2013 – 2016

#### *University*

- Scientific Director, Los Angeles Cancer Surveillance Program, Los Angeles, CA, July 2010 – present
- Associate Director (Keck School of Medicine), Spatial Sciences Institute, University of Southern California, Los Angeles, CA, July 2010 – present
- Member, University of Southern California/Los Angeles County Institutional Review Board, 2009 – present
- *Ad hoc* Vice Chair, University of Southern California/Los Angeles County Institutional Review Board, 2011 – present
- Member, NEIHS Southern California Environmental Health Sciences Center, 2003 – present
- Member, Norris Comprehensive Cancer Center, 2004 – present

- Member, University of Colorado Comprehensive Cancer Center, 2016 – present

#### *Community*

- Director of the USC “SunSmart” program, providing sun exposure awareness education to school children in Los Angeles
  - 5-15 classrooms engaged per year since 2006
  - Supervision of USC undergraduates in service learning in USC Family of Schools
  - Development and presentation of new materials to improve behavioral interventions
- Member of Executive Committee of the Hoag Family Cancer Center Melanoma Program, 2014 – present
  - Develop melanoma prevention programs and integrate community cancer prevention strategies into the overall Cancer Center mission.

#### *National*

- Chair, Scientific Editorial Board, North American Association of Central Cancer Registries (NAACCR), 2006 – present
- Chair, Demographics Working Group (PhenX), Human Genome Research Institute (NHGRI), 2008-2010
- Member, American College of Epidemiology (ACE), 2008 – present
- Member, North American Association of Cancer Registries Committee on Geographical Information Systems, 2011 – present
- Chair, Expert Review Panel (PhenX), Human Genome Research Institute (NHGRI), 2015 – present

### **Review, Referee and Editorial Activities**

#### *NIH Study Section*

- Member, NIH Psychosocial Risk and Disease (PRDP) Study Section, 2009 – 2013, 2017
- Member, NIH Rapid Access to Interventional Development (RAID) Study Section, 2011

#### *Other Study Sections*

- Scottish National Health Service Chief Scientist Office
- Los Angeles Basin Clinical Translational Sciences Institute (CTSI): Community and Outcomes Review Committee

#### *Journal Reviews*

- American Journal of Epidemiology
- American Journal of Public Health
- American Journal of Tropical Medicine & Hygiene
- Annals of Epidemiology
- Cancer
- Cancer Causes and Control
- Cancer Detection and Prevention
- Cancer Epidemiology Biomarkers and Prevention
- Cancer Research
- Clinical Cancer Research

- Clinical Gastroenterology and Hepatology
- Epidemiology
- Epidemiology and Infection
- European Journal of Gastroenterology and Hepatology
- Helicobacter
- International Journal of Cancer
- Transactions in GIS
- Twin Research

## **Invited Lectures, Presentations, Workshops**

### *International*

- Incorporating spatial variation in geocoding processes for exposure assessment. NCI Conference on Geospatial Approaches to Cancer Control and Population Sciences. Bethesda, MD, Sept 2016.
- Trends in Adolescent and Young Adult Cancers, North American Association of Central Cancer Registries, Ottawa, Canada, June 22, 2014.
- Overdiagnosis of Cancer and Implications for Cancer Surveillance, Plenary Session and Moderator, North American Association of Central Cancer Registries, Ottawa, Canada, June 22, 2014
- Synthesizing Population, Place and Health, Vespucci Institute, Catalina Island, 4/3/2013 – 4/8/2013
- The final word on the increase in melanoma incidence: it's not due to screening! North American Association of Central Cancer Registries, Quebec City, Quebec, Canada, June 22, 2013
- Evaluating Methods For Preserving Confidentiality During The Release Of Records Incorporating Address Or Other Geodata. North American Association of Central Cancer Registries, Quebec City, Quebec, Canada, June 22, 2013
- Methods for improving UV dosimetry and incorporating data in to epidemiologic studies University of Otago, Dunedin, New Zealand, 3/13/2008
- Melanoma epidemiology, etiology, and prospects for prevention. University of Otago, Dunedin, New Zealand, 11/20/2008
- Geographic Information Science for Addiction and Obesity Prevention in China. International Society for Environmental Epidemiology, Paris, 10/10-14, 2006

### *National*

- Skin Cancer Prevention in the Community, Hoag Family Cancer Center, Newport Beach, CA, March 15, 2015.
- Big Pictures in Cancer Control, Los Angeles Geospatial Summit, Los Angeles, CA, Feb 27, 2015.
- Globally Translational Approaches to Melanoma Prevention, CME for Dermatologists and Residents, Los Angeles, CA, March 22, 2015.
- Innovative Uses of Geodata for Cancer Control, National Cancer Institute Invited Collaborative on Spatial Sciences, Sept 17, 2014.
- How Can Avoiding the Sun in Los Angeles Help Reduce the Global Melanoma Burden? Los Angeles Cancer Surveillance Program Symposium, Los Angeles, CA, Aug 1, 2014.
- Multidisciplinary Approaches to Melanoma Prevention, Cancer Research Network (Simulcast), March 14, 2014.

- Translational Approaches to Melanoma, Prevention Keck School of Medicine Research Seminar, Jan 27, 2014.
- A Life-course Approach to Melanoma Etiology and Prevention, Los Angeles Dermatological Association Grand Rounds, Los Angeles CA, Feb 12, 2014
- Improving Targeted Screening for Melanoma in High Risk Populations, Society for Melanoma Research, Nov 13, 2013, San Francisco.
- Are Skin Cancer Screening Trial Participants a Biased Selection? Society for Melanoma Research, Nov 13, 2013, San Francisco.
- Gene- and Environment-wide Association Studies, Los Angeles Sig-spatial Meeting, Nov 6, 2013.
- Cancer Surveillance: The Next 40 Years. Los Angeles Cancer Surveillance Program Symposium, Los Angeles, CA, Apr 11, 2013.
- Lessons from Cancer Surveillance relevant to improving Epilepsy Surveillance Institute of Medicine Working Group on Epilepsy, Washington DC, March 21, 2011.
- Data for Decision Making: Turning Knowledge Into Action. CORICA (Center for Community Research in Cancer), UCLA, Los Angeles, Mar 31, 2011.
- Melanoma surveillance: why are we under-reporting and how do we fix it? [Session Moderator and speaker] NAACCR Annual Conference, San Diego, 5/15/2009
- Overcoming measurement error and recall bias in the search for the etiology of melanoma, 2/24/2008, University of Colorado Health Sciences Center, Denver, Colorado.
- Melanoma etiology and prevention. University of New Mexico, 7/17/2007
- Prostate cancer risk associated with pesticide exposure in California's Central Valley. Detroit, MI. North American Association of Central Cancer Registries, Annual Meeting, June 2007.
- Cancer in Pacific Island Populations in Southern California. WINCART Annual Conference, California Endowment, 10/9/2006
- Racial/ethnic disparities in cancer incidence in Los Angeles County. Gender, Ethnicity and Health (Department of Gender Studies, USC), 3/27/2006
- Applications of GIS in public health research. American College of Preventive Medicine Conference, Reno, Nevada. 2/24/2006
- The "Value For Money" Approach to Cancer Control. California Cancer Registry Technical Conference, San Diego, CA, 12/9/2005.
- Strategies for Cancer Control in Pacific Island populations. Orange County Pacific Islander Community Organization, Fullerton, CA. 11/9/2005
- Melanoma in California's Latino Population. California Association of Cancer Registries Scientific Conference, Sacramento, CA, 4/11/2005

### **Teaching record**

- Small group sessions leader for 3rd and 5th year medical students Preventive Medicine Rotation, University of Otago. 1995-1997 (150 students per semester, developed course materials, sole instructor)
- University of Otago, New Zealand: Research methods for Physiotherapy 1995-1997 (50 students per semester, developed course materials, sole instructor)
- University of Southern California Keck School of Medicine: Small groups leader in epidemiology laboratories for 1st and 3rd year medical students, 1999- (90 students per semester, developed course materials, sole instructor)

- University of Southern California Keck School of Medicine: Lecture on epidemiology of melanoma, and prospects for its prevention, PM 510, 1999- (10 students per semester, developed course materials, sole instructor)
- University of Southern California Keck School of Medicine: Lecture on methods of age-period-cohort analysis, PM 512, 2002- (50 students per semester, developed course materials, sole instructor)
- University of Southern California Keck School of Medicine: "Principles of Epidemiology", PM512, 2005 – (20 students per semester, developed course materials, sole instructor)
- University of Southern California Keck School of Medicine: "Epidemiology in Practice", PM524, 2014 – (10 students per semester, developed course materials, sole instructor)
- University of Southern California Keck School of Medicine: "Melanoma prevention", Dermatology Residency Program, 2013 – (5-10 Residents per year, developed course materials, sole instructor)
- University of Colorado School of Public Health, "Cancer Prevention and Control", EPI6622, 2017 – (Developed course materials, sole instructor).

### **Student Mentoring and Projects**

#### **Primary Mentor, Masters of Public Health Students, USC, Los Angeles, California**

- Ying Yan (MPH, 2006, publication #24 of bibliography)
- Jennifer Marusek (MPH, 2006, publication #21 of bibliography)

#### **Primary Mentor, Dermatology Residents, 2008-present**

- Rehana Hamidi (USC, 2008/9, publications #34 and #51 of bibliography)
- Eleni Linos (Stanford, 2009, publication #43 of bibliography)
- Ricardo Pollitt (Stanford, 2009-2011, publication #55 of bibliography)
- Ashley Sutton (USC, 2012-2013)
- Rebecca Chibani (USC, 2012)
- Amelia Hausauer (Stanford, 2012-2013, publication #60 of bibliography)
- Angela Ng (USC, 2013-2014, publication #76 of bibliography)

### **Undergraduate Student Projects**

#### **Second Year Medical Student Projects, USC, Los Angeles, California**

- Indra Chakrabati (2005, publication #17 of bibliography)
- Scott Worswick (2008, publication #37 of bibliography)
- Misha Heller (2009/10)
- Abigail Tiyagi (2012-2014, publication #83, #116 of bibliography)

### **Health Promotion Undergraduate Research Projects (HP290/HP490)**

- 2012: 4 undergraduates supervised for research in the SunSmart program in USC-affiliated elementary schools
- 2013: 8 undergraduates supervised for research in the SunSmart program in USC-affiliated elementary schools
- 2014: 11 undergraduates supervised for research in SunSmart program.
- 2015: 14 undergraduates supervised for research in SunSmart program.

### **Graduate Student Thesis/Dissertation Committees**

*Post-doctoral Mentor*

- Jokay Ghosh (Epidemiology, 2013-4)
- Publications #66, #67, #74, #92 of bibliography

*Primary Mentor, PhD Dissertation, USC, Los Angeles, California*

- Zaria Tatalovich (USC, Geography, 2007)
  - publications #23, #24, #69 of bibliography
  - *Program Director, Statistical Research and Application Branch, Surveillance Research Program, National Cancer Institute*
- Daniel Goldberg (USC, Computer Science, 2009)
  - publications #29, #35, #38, #52, #61, #62, #64, #73, #74, #84 of bibliography
  - *Assistant Professor, Department of Geography, Texas A&M University*
- Xinbo Zhang (Biostatistics, 2009)
  - Publications #29, #42, #61, #72 of bibliography
  - *Assistant Professor, Division of Biostatistics, School of Medicine, Oregon School of Health Sciences*
- Thomas Ly (Biostatistics, 2013)
  - Publication #94 of bibliography
  - *Senior Biostatistician, Federal Drug Administration.*
- Carrie Tayour (Epidemiology, 2014)
  - Recipient of 2013-2014 Provost's Scholarship
  - Publication #119 of bibliography
  - *Division Head, Epidemiology, Los Angeles County Department of Public Health*
- Loraine Escobedo (Epidemiology, 2015)
  - Publications #56 (under Agustin), #104, #108 of bibliography
  - *Provost's Post-Doctoral Scholar, USC Spatial Sciences Institute*
- Kimberly Miller (Health Behavior Research, 2015)
  - Recipient of 2013-2014 Provost's Scholarship
  - Elected to Phi Kappa Phi Honor Society, 2015
  - Publications #83, #115, #116, #117, #118, #120, #123 of bibliography
  - *Assistant Professor, Institute for Prevention Research, USC/Keck School of Medicine.*
- Amanda Goodrich (Epidemiology, ongoing, Year 4, passed Qualifying Exam)
- Kathy Wojcik (Epidemiology, ongoing, Year 3, passed Qualifying Exam)
- Charlotte Deng (Biostatistics, ongoing, Year 2)
- Jing Yu (Epidemiology, ongoing, Year 2)

*Outside Member/Mentor, PhD Dissertation Committee*

- Constance Wang (University of Texas, El Paso, Epidemiology, 2006)



- Gu Zhu (University of Queensland, Australia, Molecular Epidemiology, 2009)
- Christi Schroeder (USC, Chemistry, 2012)
  - Publication #68 of bibliography
- Esther Erdei (University of New Mexico, Epidemiology, ongoing)
- Anthong Wang (UCLA, ongoing)
  - Publication #102 of bibliography
- Sona Oskunyan (UCLA, ongoing)
  - Publications #77, #94, #113 of bibliography

*Member, PhD Dissertation Committee, USC, Los Angeles, California*

- Valentina Andreeva-Cook (Epidemiology, 2008)
  - Publications #39, #54, #58, #62 of bibliography
  - Senior Researcher, INSERM, Paris, France.
- Beth Pineles (MD/PhD Epidemiology, 2013)
- Fan Yang (PhD, Biostatistics, 2013)
- Jessica Barrington-Trimmis (PhD, Epidemiology, 2014)
  - Publication #90 of bibliography

*Chairperson, Masters Thesis Committee, USC, Los Angeles, California*

- Ying Yan (Epidemiology, 2007)
- Vanessa Tavares (Epidemiology, 2006)

*Member, Masters Thesis Committee, USC, Los Angeles, California, 2006*

- Lingyun Ji (Public Health, 2006)

## Research Record

### Research Grants

#### *Active, Principal Investigator*

1. National Cancer Institute [R01] 09/01/2015-08/30/2018  
 1 R01 CA195218 \$821,917  
 (Cockburn, PI) 20% FTE  
 “Innovative solutions to spatial uncertainty in geocoding”  
 This proposal aims to evaluate a novel solution to a longstanding problem in exposure assessment that relies on geolocating individuals and estimating exposure from spatial surfaces of environmental pollutants
  
2. National Cancer Institute [R01] 06/01/2012-05/30/2017  
 5 R01 CA 158407 \$1,834,334  
 (Cockburn, PI) 10% FTE  
 “A novel intervention to improve sun exposure awareness and behavior in children”  
 This community-based RCT aims to improve SunSmart messages in Los Angeles children, and evaluate methods of primary prevention of melanoma that can be expanded to school curricula nationwide
  
3. EPA/NIMHD/NIEHS [P50] 07/01/2015-06/30/2020  
 P50 ES 026086 \$610,366  
 (Gilliland/Breton)  
 Role: Core PI, 10% FTE  
 “Maternal and Developmental Risks from Environmental and Social Stressors (MADRES)”  
 This study will develop and maintain a cohort of Hispanic mothers and their newborns in order to investigate environmental impacts on a number of chronic disease outcomes.
  
4. NIH/NIEHS 04/01/2016-03/31/2021  
 2P30ES007048-21 (Gilliland) \$999,455  
 Role: Core PI.  
 “Environmental Exposures, Host Factors, and Human Disease”  
 This is Center application for investigating the role of environmental exposures in a variety of disease outcomes.

#### *Active, Co-investigator*

5. California Department of Public Health 07/01/2012– 06/30/2017  
 12 10211 \$5,053,865  
 (Deapen, PI) 5% FTE  
 “Cancer Surveillance Program”  
 This grant supports the collection of cancer incidence data in Los Angeles County.
  
6. National Cancer Institute 08/01/2013-07/31/2017  
 N01 PC 2013 00004 \$3,015,029  
 (Deapen, PI) 20% FTE

“Continuation of Population-Based Surveillance Epidemiology and End Results (SEER) Registry in Los Angeles”

This grant supports population-based cancer incidence data collection and research for NCI’s SEER program.

7. National Cancer Institute 12/01/2001-11/30/2020\*  
5 P30 CA 014089-38 \$3,735,539  
(Gruber, PI) 5% FTE  
“USC Norris Comprehensive Cancer Center (Core) Support”  
\* This is the continuation of a grant that has been funded since 1976, and the renewal has been approved for funding. Awaiting dates and funding amount for the new award.
  8. National Cancer Institute 09/01/2011-07/31/2016  
1 R01 CA 154644 \$34,182  
(Monroe, PI) 5% FTE  
“Obesogenic Environment: Impact on Breast, Colorectal, and Prostate Cancer Risk”  
We will link detailed individual-level behavioral risk factor data and genetic data from the Multiethnic Cohort study with socioeconomic and built environment data to quantify an obesogenic environment characterized by features such as access to food stores, places to exercise, and access to health care.
  9. Susan G Komen 07/01/2013-06/30/2017  
11R13262718 TBA  
(Wu, PI) 5% FTE  
“A Cohort Study on Air Pollution and Breast Cancer in Los Angeles County”  
The overall objective is to examine the role of air pollution and risk of breast cancer among whites and non-whites in Los Angeles using the large Multiethnic Cohort Study.
  10. National Cancer Institute 09/01/2013-08/31/2018  
1 P50 CA 18090-5 \$515,518  
(Samet, PI) 5% FTE  
“The USC Tobacco Center of Regulatory Science (TCORS)”
- Pending, Principal Investigator*
11. National Cancer Institute [R01] 07/01/2017– 06/30/2022  
(Cockburn, PI) \$2,653,450  
“An Innovative sun exposure behavior intervention: SunSmart Families”  
(Submitted July 5, 2016, 11<sup>th</sup> percentile, resubmitted 2/5/2017)
  12. National Cancer Institute [R21] 07/01/2017-06/30/2020  
(Cockburn, MPI) \$453,750  
“Evaluating and optimizing e-Consultation to improve melanoma outcomes”  
(Submitted July 16th, 2016, 11<sup>th</sup> percentile, resubmitted 2/16/2017)
  13. National Cancer Institute [R21] 07/01/2017– 06/30/2022  
(Cockburn, Co-PI) \$453,750  
“Non-melanoma skin cancer prevention in adolescents”  
(Submitted Oct 5, 2016)

14. National Cancer Institute [R21] 07/01/2017-06/30/2020  
 (Cockburn, PI) \$453,750  
 "Sun exposure behavior in melanoma survival"  
 (Submitted Feb 16, 2017)

15. National Cancer Institute [R21] 07/01/2017-06/30/2020  
 (Cockburn, PI) \$453,750  
 "Personal exposure environments in cancer control"  
 (Submitted Feb 16, 2017)

*Pending, Co-Investigator*

16. National Cancer Institute [R01] 04/01/2018–03/31/2023  
 (Huh, PI) \$3,223,566  
 Just-in-time sun safety intervention for children: Mobile SunSmart  
 Role: Co-Investigator  
 (Submitted June 5, 2016, 22<sup>nd</sup> percentile, preparing resubmission)

*Completed, Principal Investigator*

1. St. Baldrick's Foundation 07/01/2012–12/31/2014  
 (Cockburn, PI) 5% FTE \$69,601  
 "Improving AYA Cancer Outcomes by Effective Dissemination and Outreach"
2. Clinical Translational Sciences Institute (USC) 07/01/2013-06/30/2014  
 8UL1TR000130 \$43,370  
 (Cockburn, PI) 0% FTE  
 "Sun exposure behaviors in melanoma survivors"
3. National Cancer Institute 12/1/2007–11/30/2012  
 R01CA121052-01 \$1,443,027  
 (Cockburn, PI) 10% FTE  
 "Improving early detection of melanoma with skin self examination"
4. Electric Power Research Institute 10/01/2008 – 11/30/2013  
 (Cockburn, PI) 2% FTE \$443,066  
 "Leukemia, Brain Tumors and Distance to Power Lines in California"
5. Southern California Environmental Health 10/01/2011 – 9/31/2012  
 Sciences Center \$30,000  
 "Pesticide exposure and breast cancer in California's Central Valley"
6. National Institute of 12/1/2007–11/30/2014  
 Environmental Health Sciences \$2,037,500  
 R01ES015552  
 (Cockburn, PI) 10% FTE  
 "Defining critical aspects of environmental ultraviolet exposure in melanogenesis"
7. National Institute of 12/1/2007–11/30/2014

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|---|-------------------------|
| Environmental Health Sciences   | \$481,603               |
| R01 ES015552-S1   |                         |
| (Cockburn, PI) 10% FTE  |                         |
| "Defining critical aspects of environmental ultraviolet exposure in melanogenesis [Supplement]"   |                         |
| 8. MGM-Grand Foundation   | 12/1/2007 – 11/30/2010  |
| (Cockburn, PI) 0% FTE   | \$20,000                |
| "Development of novel personal wavelength-specific UV dosimeters for population-based studies of melanogenesis"                           |                         |
| 9. National Cancer Institute  | 10/1/2009 - 9/30/2010   |
| N01-PC-95002-18   | \$132,363               |
| (Cockburn, PI) 10% FTE  |                         |
| "Detailed Reporting of Melanoma Incident Cases to Enhance Descriptive Epidemiology, Survival Analyses and Tissue Linkage"                 |                         |
| 10. National Cancer Institute   | 10/1/2008 - 9/30/2010   |
| N01-PC-85013-20   | \$162,363               |
| (Cockburn, PI) 10% FTE  |                         |
| "Evaluating Methods for Preserving Confidentiality During the Release of Records Incorporating GeoData"                                   |                         |
| 11. National Cancer Institute   | 9/1/2007 – 8/31/2010    |
| N01-PC-75023-47-01  | \$140,537               |
| (Cockburn, PI) 5% FTE   |                         |
| "Enhancing the utility of geocoding accuracy assessments: Understanding, Analyzing, and Utilizing Spatial Error in the Geocoding Process" |                         |
| 12. Department of Defense Prostate Cancer Research Program  | 08/01/2005 – 07/30/2008 |
| PC051037  | \$504,283               |
| (Cockburn, PI)  |                         |
| "Prostate Cancer and Pesticide Exposure in Diverse Populations in California's Central Valley"  |                         |
| 13. National Cancer Institute   | 10/1/2006 - 9/30/2008   |
| NO1-PC-55020-22   | \$152,738               |
| (Cockburn, PI)  |                         |
| "Cancer Incidence in Pacific Island Populations in the US"  |                         |
| 14. National Cancer Institute   | 10/1/2006 - 9/30/2008   |
| NO1-PC-55020-20   | \$34,730                |
| (Cockburn, PI)  |                         |
| "Trends in cancer incidence among Asian and Hispanic sub-populations by age, period, and immigration cohort"                              |                         |
| 15. Wright Foundation   | 7/1/2005 – 6/30/2008    |

- (Cockburn, PI) \$50,000  
 "Differential Wnt5a expression: A Potential Prognostic Indicator and Future Screening Tool for Identification of High Risk Melanoma"
16. National Cancer Institute 08/01/2005 – 07/30/2008  
 1R03-CA-115210-01 \$162,688  
 (Cockburn, PI)  
 "Melanoma genes in high-risk twins"
17. National Institutes of Health 10/1/2003 - 9/31/2004  
 N01-PC-35016-20/11 \$132,733  
 (Cockburn, PI)  
 "Reducing reporting delay and reporting error in melanoma surveillance"
18. National Institutes of Health 08/01/2004 – 07/30/2006  
 1R03-CA-110846-01 \$162,500  
 (Cockburn, PI)  
 "Prostate Cancer and Pesticide Exposure Pilot Study"
19. National Institutes of Health 10/1/2005 - 9/31/2006  
 NO1-PC-55020-20/04 \$54,143  
 (Cockburn, PI)  
 "Does Completeness of SEER Follow-Up Vary By Race/Ethnicity?"
20. National Institutes of Health 10/1/2004 - 9/31/2005  
 N01-PC-45011-20/02 \$36,954  
 (Cockburn, PI)  
 "Assessing the feasibility of collecting body height, weight and obesity in a cancer registry"
21. National Institutes of Health 10/1/2003 - 4/31/2005  
 N01-PC-35016-20/10 \$155,022  
 (Cockburn, Co-PI)  
 "The Role of Acculturation, SES, and Race/Ethnicity in the Diagnosis and Treatment of Stomach, Kidney and Liver Cancer"
22. National Institutes of Health 10/1/2000 - 9/31/2001  
 N01-PC-05016-20 \$97,865  
 (Cockburn, Co-PI)  
 "Utility of SEER data in the descriptive epidemiology of HIV-associated cancers"
- Completed, Co-Investigator*
23. National Cancer Institute 09/30/2000 – 6/30/2006  
 N01-PC-05016-SOW 10 \$84,360  
 (W Cozen, PI)  
 "Feasibility of Retrieval and Storage of Tissue Blocks for Cancer Patients"
24. National Institute of Health 12/1/2000 – 11/30/2005  
 1 R01 NS40194-01A2 \$2,458,545

- (Mack, PI)  
"Acquired & Genetic Determinants of Multiple Sclerosis"
25. National Cancer Institute 08/01/03 – 07/31/05  
R01CA098763 \$143,232  
(Chou, PI)  
"Psychosocial predictors of increased smoking among youth"
26. NIH/NCI/SEER 9/30/2001 – 7/31/2003  
1N01-PC-67010 \$78,046  
(Cozen, PI)  
"Popblocks- population-based tissue specimens for epidemiology studies"
27. California Breast Cancer Research Program 7/1/2000 – 6/30/2003  
6PB-0052 \$213,432  
(Mack, PI)  
"Mammographic Density, HRT and Hormonal Activity"
28. James H. Zumberge Research & Innovation Fund 7/1/2001 – 6/31/2002  
(Mack, PI) \$36,776  
"An innovative collaboration for the simultaneous investigation of constitutional and environmental risk factors for melanoma"
29. California Breast Cancer Research Program 7/1/1997 - 6/30/2002  
3PB-0029 \$1,273,282  
(Mack, PI)  
"Radiographic Density, Cancer, Inheritance and Acquired Risk in Twins"

**Bibliography:****Papers published in peer-reviewed journals**

[Notes:

- Publications marked with an asterisk (\*) are the work of graduate students and/or trainees (such as medical students or Residents) for whom I was the primary mentor.
- Publications marked with a (#) represent longstanding collaboration with Dr. Ritz's group at UCLA, where I have provided novel pesticide exposure assessment and/or produced linkage of cohorts with cancer registry data, expertise in study design and analysis. Most of those publications list Dr. Ritz as senior author, Dr. Ritz's graduate student who conducted the project for their dissertation as first author, and I have chosen a contributing author role].

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