

**CURRICULUM VITAE**  
**CATHERINE A. MC CARTY, MPH, PhD**

**BUSINESS ADDRESS:**

Essentia Institute of Rural Health<sup>1</sup>  
502 East Second Street  
Duluth, MN 55805

**PRESENT POSITIONS:**

2011- Principal Research Scientist, Essentia Institute of Rural Health,  
Duluth, MN  
2005- Adjunct Professor, University of Wisconsin – Stevens Point  
2004- Adjunct Professor, Department of Population Health Sciences, Medical  
School, University of Wisconsin - Madison

**PAST POSITIONS:**

2009-2011 Tenured Senior Research Scientist, Marshfield Clinic Research  
Foundation  
2004-2009 Tenured Senior Research Scientist and Interim Director, Center for  
Human Genetics, Marshfield Clinic Research Foundation, Marshfield  
Clinic  
2003-2009 Adjunct Full Professor, Division of Epidemiology, School of Public  
Health, University of Minnesota  
2002-2004 Tenured Senior Research Scientist and Director, Personalized  
Medicine Research Center, Marshfield Clinic Research Foundation,  
Marshfield Clinic  
2001-2004 Honorary Associate Professor, University of Melbourne  
2001-2002 Tenured Senior Research Scientist, Marshfield Epidemiology Research  
Center, Marshfield Medical Research Foundation, Marshfield Clinic  
1999-2001 Associate Professor and Head of the Epidemiology Research Unit,  
University of Melbourne Department of Ophthalmology  
1997-1998 Senior Research Fellow and Head of the Epidemiology Research Unit,  
University of Melbourne Department of Ophthalmology  
1996-2000 Part-time Lecturer, Swinburne University of Technology Graduate  
Courses in Health Statistics  
1993-1996 Research Fellow and Head of the Epidemiology Research Unit,  
University of Melbourne Department of Ophthalmology  
1993 Mentor, Public Health Careers Opportunity Program, University of  
Pittsburgh Graduate School of Public Health  
1992 Reviewer of articles for the Committee to Review the Health Effects in  
Vietnam Veterans of Exposure to Herbicides, Institute of Medicine,  
National Academy of Sciences  
1992 Adjunct Faculty Member, LaRoche College nursing program, Pittsburgh  
1991-1993 University of Pittsburgh, School of Medicine - member of Pneumonia  
Patient Outcome Research Team (PORT)

<sup>1</sup> The Essentia Institute of Rural Health, a wholly owned corporation of Essentia Health, is assigned oversight of research and education for Essentia Health.

<sup>2</sup> This facility is a wholly owned subsidiary of Essentia Health. See attached "Essentia Health Facilities".

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1991-1993 Student Researcher, Health Policy Institute and Multi-center AIDS Cohort Study, University of Pittsburgh

1991-1993 Graduate Student Researcher, University of Pittsburgh Graduate School of Public Health - Healthy Women Study and Cholesterol Lowering Intervention Program

1990-1993 Nutrition Director, Camp Needlepoint, Hudson, Wisconsin

1990-1991 Teaching Fellow, University of Pittsburgh Graduate School of Public Health, Department of Epidemiology

1990-1991 Clinical Dietitian, Central Medical Center and Hospital, Pittsburgh

1990 Clinical Dietitian, Park Nicollet Medical Foundation, Minneapolis, Minnesota

1989-1990 Administrative Fellow, University of Minnesota Extension Service

1988 Student Intern, Rhode Island Dept of Health, WIC Division

1987-1990 Research Assistant, University of Minnesota School of Public Health - Wilmar Involved in Nutrition (WIN), the Minnesota Heart Health Project (MHHP), follow-up of bulimia patients, reliability and validity assessment of knee length measuring device

1987-1988 Consultant, American Heart Association, Minnesota Affiliate

1987 Student Intern, International Diabetes Center, Minneapolis, MN

1985-1986 Laboratory Assistant, Department of Horticulture sensory food evaluation laboratory, University of Minnesota

**EDUCATION:**

1993 University of Pittsburgh, Graduate School of Public Health, PhD in Epidemiology, Pittsburgh, PA

1990 University of Minnesota, School of Public Health, MPH in Nutrition, Minneapolis, MN

1986 University of Minnesota, College of Human Ecology, BS in Nutrition and Dietetics, Minneapolis, MN

**CONTINUING EDUCATION:**

2006 1-week University of St. Thomas-Marshfield Clinic Leadership course

2005 1-week course in Principles and Techniques of Fundraising, the Center on Philanthropy at IUPUI

2004 3-day course in Population Genetic Data Analysis, North Carolina State University

2003 1-week course in Statistical Genetics, University of Alabama at Birmingham

2002 1-week Basic Linkage Analysis Course, Rockefeller University

2002 1-week Advanced Gene Mapping/Linkage Course, Rockefeller University

2001 McGraw Hill course in management

2000 1-week residential leadership course, University of Melbourne

**HONORS/AWARDS:**

1985	Caleb Doehr travel award to attend clinical conference
1987-1988	Public Health Traineeship Award for MPH study
1989	Society for Nutrition Education Travel Award to attend the Annual Meeting
1991	National Heart, Lung and Blood Institute (NIH) scholarship to attend "Well Controlled Studies of Diet and Lipid Metabolism in Humans" workshop
1991-1993	Kraft General Foods Doctoral Dissertation Fellowship Award
1995	Travel Award for International Forum on Advanced Techniques in Lens and Cataract Research, Kanazawa, Japan
1998	Rhoto Travel Award for Young Asian Scientists to attend the Second Asian Cataract Research Conference, Pusan, Korea
1998	Member, Delta Omega Public Health Honor Society
1999	Victorian Public Health Research Award for Excellence, awarded to the Epidemiology Research Unit and the Eye Health Promotion Unit of the Centre for Eye Research Australia for innovative eye research with indigenous and non-indigenous people in Victoria
2002	Fellow, American College of Epidemiology
2004-2005	Buckman Fellowship for Leadership in Philanthropy, University of Minnesota
2005	Invited scientist, National Academies Keck Futures Initiative
2006	Gwen D. Sebold Research Fellowship Award, Marshfield Clinic
2009	Distinguished Alumni Award, University of Minnesota College of Food, Agricultural and Natural Resources Sciences
2010	Silver Fellow of the Association for Research in Vision and Ophthalmology
2010	Ojibwa District Scouter of the Year Award, Boy Scouts of America
2011	Ojibwa District award, Boy Scouts of America

**PROFESSIONAL MEMBERSHIPS AND SOCIETIES:**

American College of Epidemiology, Fellow  
American Dietetic Association, Registration number 724033  
American Public Health Association  
American Society for Human Genetics  
Association for Research in Vision and Ophthalmology  
Elected member, Program Planning Committee, 2001-2003  
Appointed member, Public Relations Committee, 2002-2007  
International Epidemiological Association  
International Genetic Epidemiology Society  
International Society for Geographical and Epidemiological Ophthalmology  
Society for Epidemiologic Research

**COMMITTEE/BOARD/ADMINISTRATIVE RESPONSIBILITIES:**

2013- Member, Duluth Superior Symphony Orchestra Board

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2012-2014 Member, International Expert Panel, Singapore National Medical Research Council

2012 Member, Expert Panel for CDC National ALS Registry Biorepository

2011-2014 Member, External Advisory Board for NEI-funded Training Program in Quantitative Ocular Genomics, Vanderbilt University Medical Center

2011-2014 Member, American Association for the Advancement of Science Committee on Scientific Freedom and Responsibility

2011-2014 Member, External Advisory Board for NEI-funded Training Program in Quantitative Ocular Genomics, Vanderbilt University Medical Center

2011 Member, Genetics/Genomics working group for VA Gulf War Steering Committee

2010-2013 Member, Veterans Administration Genomic Medicine Program Advisory Committee

2009-2012 Member and Secretary, Opportunity Development Center Board

2008 Member, NW Biobank Oregon Scientific Advisory Board

2008 Member, American Health Information Community Personalized Health Care Workgroup, Pharmacogenomics Subgroup

2007-2010 Member, National Cancer Institute Prostate Lung Colorectal and Ovarian Cancer Screening trial Etiologic and Early markers Studies Review Panel

2007-2010 Member, Department of Veterans Affairs Genetic Epidemiology Scientific Review Committee

2007-2009 Elected member, International Genetic Epidemiology Society ELSI Committee

2007-2008 Member, Technical Expert Panel, AHRQ-funded "Needs assessment to establish an infrastructure for monitoring the utilization and outcomes of gene-based applications in the U.S. health care system"

2007 Invited member, Patient Centric Health Leadership Forum, sponsored by the Center for Medicine in the Public Interest and Duke University Center for Research on Prospective Health Care

2006-2007 Member, Genomics Curriculum Advisory Committee, University of Minnesota School of Public Health and Minnesota Department of Health Chronic Disease Genomics Project

2005-2009 Elected Scientist representative, Marshfield Clinic Research Foundation Board of Trustees and elected member of the Executive Committee

2005-2008 Member, Food and Nutrition Advisory Board, University of Wisconsin-Stevens Point

2004-2009 Board member, Wisconsin Association for Biomedical Research and Education

2004-2007 Board member, Wisconsin Small Business Innovation Consortium

2004-2005 Member, Selection Committee for Director of Medical Research, Marshfield Clinic

2004-2005 Member, planning committee for the American Cancer Society Rural Outreach Plan of Expansion conference

2003-2006 Elected Member, Alumni Society Board of Directors, College of Human Ecology, University of Minnesota

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- 2003 Member, Selection Committee for Human Geneticist and Associate Biostatistician, Tenure policy revision committee, Royalty Policy drafting team and 5-year strategic planning group, Marshfield Clinic Research Foundation
- 2002-2008 Member, Institutional Review Board, Marshfield Clinic
- 2002 Member, Healthy Lifestyles Internal Advisory Council, Marshfield Clinic
- 2001-2005 Member, Wellness Committee, Marshfield Clinic
- 2001-2004 Member, Research Committee, Marshfield Clinic
- 2001 Acting Chair, working group on assessment arrangements for students from non-English-speaking backgrounds, University of Melbourne
- 2000-2001 Member, RVEEH Ron Lowe Library Committee (Acting Chair in 2001)
- 2000-2001 Elected non-professorial academic member, University of Melbourne Council. *Committee responsibilities: Executive, Melbourne University Press Board of Management, Human Resources Committee, Access and Equity Committee (Acting Chair in 2001), Equal Employment Opportunity Committee (Chair in 2001)*
- 2000 Member, Latrobe University Committee for the Review of Undergraduate Research Methods and Statistics Teaching in the Faculty of Health Sciences
- 1998 Member, Working Group on Evaluation of the NHMRC Retinopathy Guideline Distribution
- 1998 Member, UV Index Workshop for Australia
- 1997-1998 Member, Employment and Vision Impairment Study reference group, Royal Victorian Institute for the Blind
- 1995-2000 Member, Melbourne Excimer Laser Protocol and Ethics Committee
- 1994-2000 Member, VECAT Study Steering Committee
- 1994-1999 Member, Rumbalara Eye Care Steering Committee
- 1993-1999 Proxy for Professor Taylor as needed at the RVEEH Human Research Ethics Committee and Research Committee
- 1993-1994 Secretary, Melbourne Excimer Laser Protocol and Ethics Committee
- 1992-1993 Project team member, Health Policy Institute, University of Pittsburgh
- 1990 Member, American Heart Association annual Food Festival Committee
- 1990 Member, Advisory Team on Screening Guidelines for Blood Cholesterol Education and Screening Programs, Minnesota Department of Health

**COMMUNITY/VOLUNTEER WORK:**

- 2013- Staff member, National Youth Leadership Training, Samoset Council, Boy Scouts of America
- 2013 Staff member, Boy Scouts of America National Jamboree
- 2013 Member, Duluth area United Way Community Investment panel
- 2011- Instructor, Matter of Balance falls prevention course, Arrowhead Area Agency on Aging
- 2011- District Committee Member and trainer, Voyageurs Area Council Boy Scouts of America

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2010-2011	Boy Scout Troop Committee member, Ojibwa District and Samoset Council trainer
2009-2010	Volunteer, Youth Net after school homework club
2007-2011	Member, Rotary Club of Marshfield
2006-2010	Treasurer and Webelos Den Leader, Cub Scout Pack 381
2006-2008	Coordinator, Teacher Appreciation Week, Washington Elementary School
2003-2009	Sand hill crane counter, Wisconsin Crane Foundation
2002-2007	Mentor, University of Minnesota Alumni Association Mentor Connection program
2002-2003	Loon census, Minnesota Department of Natural Resources
2001-2008	Mentor, Pathway Partners mentoring program, Marshfield Senior High School
1997, 2000	Mentor, University of Melbourne Mentor Scheme for Women
1993	American Diabetes Association Diabetes Awareness Week educator
1989-1990	American Heart Association annual Food Festival grocery store tour leader
1989-1990	American Cancer Society annual Great American Food Fight Against Cancer facilitator
1987-1988	Head Start Program nutrition specialist
1985-1987	American Red Cross professional nutrition speaker and Minnesota State Fair first aid attendant

**FUNDED RESEARCH/GRANTS RECEIVED:**

**Co-Investigator**

1. Cancer Research Network Comparative Effectiveness Research in Genomic and Personalized Medicine, \$265,000. 2009-2011
2. NIDDK grant number R01 DK080007-01A1, "Pharmacogenetics of obesity and endocannabinergic modulation (POEM)", \$170,497. 2009-2012
3. ICTR University of Wisconsin, "Polymorphisms in cytochrome b5 and its reductase, and risk of sulfonamide", \$50,000. 2009-2010
4. National Center for Research Resources, "Genetic epidemiology of endometriosis", \$188,000. 2009-2010
5. National Cancer Institute, "Building a population laboratory for pharmacoepidemiologic and pharmacogenomic studies in cancer: cardiotoxicity following systemic therapy for breast cancer", \$144,000. 2008-2010
6. Agency for Health Care Research and Quality, "A case control study to assess association of variations in OCT genes with effectiveness of metformin in diabetic patients", \$45,000. 2008-2009
7. NCI grant number U19-079689 for "Cancer Research Network". 2007-2012
8. NIEHS R21 grant for "Study of environmental risk factors of MS after conditioning on genetic factors", \$300,000. 2007-2009
9. NHLBI grant number HL69757 for "Pharmacogenomics and risk of cardiovascular disease", \$946,577. 2007-2008

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10. Marshfield Clinic Research Committee grant for “The role of cigarette smoking, statin use and genetics in the development of osteoporosis in postmenopausal women”, \$44,867. 2005
11. March of Dimes grant for “Educational genetics brochure”, \$10,649. 2005
12. Marshfield Clinic Research Committee grant for “Genetic and environmental contributions to Alzheimer’s Disease”, \$57,000. 2004
13. Hugh D. Williamson Foundation grant for a retinal camera for CHARM, \$10,000. 2001
14. NHMRC Translational Grant in Injury “The role of regulation in preventing sports injuries”, \$100,000. 2001-2002
15. Ramaciotti Foundation grant for a retinal camera for CHARM, \$10,000. 2000
16. Victorian Retinopathy Screening Development Program. Statewide Research and Evaluation, \$74,450. 2000-2001
17. Zeiss Pty Ltd grant to evaluate new field analyser, \$6000. 1998
18. Department of Human Services grant for study of utility of vision screening in aged care centres, \$160,000. 1998-1999
19. Jack Brockhoff Foundation grant for the Visual Impairment Project, \$120,000. 1998-1999
20. Victorian Department of Human Services Division of Public Health, \$55,338. 1997
21. Public Health Research and Development Committee project grant number 974180, The Visual Impairment Project Incidence Study, \$223,342. 1997-1998
22. Ian Potter Foundation equipment grant for the Visual Impairment Project, \$10,000. 1996
23. Bilateral Science and Technology Program Grant for collaboration with Dr. Mylan Van Newkirk and the Hong Kong Adult Vision Pilot Study, \$3200. 1996
24. University of Melbourne Visiting Research Scholar Award for Dr. Mylan Van Newkirk from the Chinese University of Hong Kong, \$9000. 1996
25. Victorian Health Promotion Foundation project grant number 95-0252 for the Visual Impairment Project, \$450,000. 1996-1998
26. University of Melbourne International Exchange Agreements Collaborative Research Award for collaboration with the Chinese University of Hong Kong, \$10,000. 1995
27. Jack Brockhoff Foundation grant for the Melbourne VIP and the Low Vision Unit, \$165,000. 1995-1998
28. 2 Feilman Foundation equipment grants for the Melbourne Visual Impairment Project, \$4500. 1995
29. Felton Bequest equipment grant for the Melbourne Visual Impairment Project, \$10,000. 1995
30. William Angliss equipment grant for the Melbourne Visual Impairment Project, \$1000. 1995
31. ORIA grant for the Melbourne VIP nursing home study, \$5000. 1995
32. National Health and Medical Research Council project grant number 950612 for the Melbourne VIP, \$45,000. 1995

Principal Investigator

1. Essentia Health Duluth Clinic Foundation, “HPV and Oral Cancer”; \$35,482. 2013
2. Whiteside Institute for Clinical Research, “HPV and Oral Cancers”; \$51,415. 2013

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3. Duluth Clinic Foundation Board, "Vacation, depression and work productivity"; \$52,983. 2012
4. National Human Genome Research Institute grant number 1U01HG006389-01, "IRIS: Incorporating Research Into Sight", \$2,929,685. 2011-15; \$151,499 administrative supplement awarded September 2011
5. National Human Genome Research Institute grant number 1U01HG004608-01, "Genome-wide study of cataract and low HDL in the Personalized Medicine Research Project", \$3,164,974. 2007-11; \$150,000 administrative supplement awarded August 2009
6. American Health Assistance Foundation, National Glaucoma Research Program, "A population-based study of pharmacogenetics and glaucoma", \$90,000. 2005-7
7. National Health and Medical Research Council project grant number 128201, A population-based study of progression and risk factors for age-related maculopathy, \$758,570. 2000-02
8. University of Melbourne International Collaborative Research Program, "Solar radiation, cataract and age-related macular degeneration", \$3110. 2000
9. National Diabetes Strategy, Further follow-up of health care practitioners in relation to the NHMRC guidelines for diabetic retinopathy, \$15,385. 2000
10. Australia-India Council, Australia India Collaboration in the Interpretation and Dissemination of Ophthalmic Epidemiology Data, \$8670. 2000
11. Wagstaff Ophthalmology Research Fellowship, Royal Victorian Eye and Ear Hospital; \$510,000. 1999-2001
12. Victorian Health Promotion Foundation research grant number 98-0141 for the Visual Impairment Project Incidence Study, \$190,000. 1999-2000
13. University of Melbourne Faculty Minor Works Program grant for office refurbishment, \$5000. 1999
14. Royal Victorian Eye and Ear Hospital Research Committee, FDT Evaluation, \$2570. 1999
15. National Health and Medical Research Council project grant number 990477, The Visual Impairment Project Incidence Study, \$102,343. 1999
16. Rothschild Australia equipment grant for the Visual Impairment Project, \$11,250. 1998
17. Johnson & Johnson Medical Education Foundation for visit by Dr. Dandona, \$2240. 1998
18. Hugh D. Williamson Foundation equipment grant for the Visual Impairment Project, \$5000. 1998
19. Eye, Ear, Nose and Throat Research Institute grant for the Visual Impairment Project, \$11,400. 1998
20. Eye, Ear, Nose and Throat Research Institute grant for the Visual Impairment Project, \$23,144. 1998
21. Appel Family Bequest equipment grant for the Visual Impairment Project, \$5000. 1998
22. Eye, Ear, Nose and Throat Research Institute equipment grant for the Visual Impairment Project, \$18,230. 1997
23. Diabetes Australia grant to evaluate the NHMRC Guidelines for Diabetic Retinopathy, \$33,740. 1997



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24. Research Mentor Project, University of Melbourne, \$6500. 1995
25. Bilateral Science and Technology Program Grant for collaboration with LV Prasad Eye Institute in India, \$6000. 1995
26. Ian Potter Foundation travel grant to attend ARVO, \$2500. 1994

### PATENT APPLICATIONS:

M08012US Provisional patent application "Intraocular pressure response to topical  $\beta$ -blockers is associated with an ADRB2 SNP"

### PAID CONSULTANCIES:

2001	Principal Consultant, TAC Pharmaceutical Company
2000	Member, committee to review undergraduate research methods and statistics teaching, Latrobe University
1997	EyeSaver Pty Ltd, "EyeSaver: crossover field study evaluation"
1997	Commonwealth Department of Veteran's Affairs, "UV-B exposure and cataract"
1997	Alcon Australia, "Dry eye in pilots"
1989	Park Nicollet Medical Center, "Focus group report on the Physician Based Nutrition Program"
1985	Academy of the Pacific, "The effects of caffeine and sugar on young adults"

### MEDIA INTERVIEWS:

Sept 1994	<i>Vogue Australia</i> , p32, "A burning matter"
10 Aug 1994	<i>Broadmeadows Observer</i> , p9, "Eyes put to the test"
29 Aug 1994	<i>Herald Sun</i> , p56, "Victorians blind to eye care"
16 Nov 1994	<i>Broadmeadows Observer</i> , p14, "Project finds eye problems"
24 Nov 1994	<i>Herald Sun</i> , p21, "Diabetics warned of blindness risk"
4 May 1995	<i>The Australian</i> , p4, "Cancers, blindness feared most"
11 Sept 1996	ABC regional radio, live to air interview, "The Visual Impairment Project – the rural stage"
12 Sept 1996	ABC regional radio Sale, live to air interview with Penny Johnston, "The Visual Impairment Project"
October 1996	<i>Australian Doctor</i> , "Cataracts found in 30% of over-40s"
March 1997	<i>Insight</i> , p6, "One in four over 40 have a cataract: Melbourne study"
16 June 1997	<i>Herald Sun</i> , "Lenses ray of hope"
17 Nov 1997	Radio station 3AK in Melbourne, live to air interview with Annette & Rob, "Diabetic eye disease"
12 Dec 1997	Radio station 3AAA in Brisbane, live to air interview with Donald Johannessen, "Sunlight and eyes"
12 Dec 1997	Radio station 3AK Melbourne Skyline, live to air interview with Graham Reebek, "Sunglasses and your eyes"
12 Dec 1997	<i>Herald Sun</i> , "And don't forget the sunnies"
16 April 1998	<i>Herald Sun</i> , p11, "Diabetics blind to eyesight risk"
25-26 Apr 1998	<i>Weekend Australian</i> , p44, "Diabetics risk loss of vision by missing eye checks"

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8 Sept 1999	RVIB Around the Institute radio, 10 minute taped interview with Jo Matthews on diabetic retinopathy
21 June 2000	RVIB Around the Institute radio, 10 minute taped interview with Jo Matthews on smoking and eye disease
21 July 2000	Channel 10 television, live cut interview by Tracey Spicer on the launch of the <i>Eye Care for the Community</i> document
21 July 2000	Radio station 2SM in Sydney, taped interview with Diane Coveny on the launch of the <i>Eye Care for the Community</i> document
16 Aug 2000	RVIB Around the Institute Radio, 10 minute taped interview with Jo Matthews on cataract
29 Nov 2000	RVIB Around the Institute Radio, 10 minute taped interview with Jo Matthews on glaucoma
14 Feb 2001	RVIB Around the Institute Radio, 10 minute taped interview with Jo Matthews on refractive error
19 Sept 2002	Media launch of Personalized Medicine Research Project with ongoing interviews for local and national television, radio, newspaper and magazines
Nov 2005	Media release and subsequent print, radio and television interviews on "Vacations and mental health in rural women"
Nov 2005-2007	Spokesperson for bimonthly 30-second television commercials on research topics for the Marshfield Clinic
April 2007	Media release and subsequent print and radio interviews on "Dessert calories and obesity"

**PEER-REVIEWED PUBLICATIONS:**

1. Carson CA. *Nutrition and HIV Infection*. Minneapolis, MN: Univ. of Minnesota; 1990. Plan B thesis.
2. Himes JH, Carson CA, Pheley AM. Measurement errors for a portable device measuring short-term growth. *Am J Hum Biol* 1991;3:325-329.
3. Carson CA. Review of: *Keeping Food Fresh: How to Choose and Store Everything You Eat*. *J Nutr Educ* 1991;23:197.
4. Carson CA, Lansing DL, Mullis RM. Putting nutrition on the grocery store shelf. *J Am Diet Assoc* 1992;2:159.
5. Zucconi SL, Carson CA, Holsinger G, and the Project Team. *Health Care Needs of the Community: Implications for Health Care Reform. HPI Policy Series #19*. Pittsburgh, PA: University of Pittsburgh Health Policy Institute; 1993.
6. Carson CA, Caggiula AW, Watson JE. Margarines are not all created equal. *RN* 1993;56:71-72.
7. Carson CA, Cauley J, Caggiula AW. The relation of caffeine to blood lipids in elderly women. *Am J Epidem* 1993;138:94-100.
8. Carson CA. *Assessment of the Dietary Intake in Participants of the Cholesterol Lowering Intervention Program*. Pittsburgh, PA: University of Pittsburgh; 1993. Doctoral Dissertation.
9. Carson C. Reviews of: *Statistical First Aid: Interpretation of Health Research Data and Biostatistics: A Methodology for the Health Sciences*. *Epidemiol Monitor* 1993;14:9-10.

10. Mullis RM, Carson CA. Research strategies for implementing dietary guidelines. In: *The Research Agenda for Dietetics Proceedings*. Chicago, IL: American Dietetic Association; 1993.
11. Carson CA, Zucconi SL. Epidemiologic indicators of health status to guide health care management decision-making. *J Health Admin Educ* 1993;11:551-562.
12. Carson CA, Zucconi SL. Health status indicators for the year 2000: projections for Allegheny County, Pennsylvania. *Publ Health Rep* 1993;108:711-715.
13. Carson CA, Fine MJ, Smith MA, Weissfeld LA, Huber J, Kapoor WK. The quality of published reports of community-acquired pneumonia. *J Gen Intern Med* 1994;9:13-19.
14. Zucconi SL, Jacobson LP, Schragger LK, Kass NE, Lave JR, Carson CA, et al. Impact of immunosuppression on health care utilization by men in the Multicenter AIDS Cohort Study (MACS). *JAIDS* 1994;7:607-616.
15. Carson CA, Taylor HR. The effects of sunlight on the eye and the role of prevention. *Mod Med Aust* 1994;May:58-64.
16. Carson CA, Hassel CA. Educating high-risk Minnesotans about dietary fats, blood cholesterol, and heart disease. *J Am Diet Assoc* 1994;94:659-660.
17. Young IM, Rait JL, Guest CS, Carson CA, Taylor HR. Comparison between Fastpac and conventional Humphrey perimetry. *Aust NZ J Ophthalmol* 1994;22:95-99.
18. Carson CA, Caggiula AW, Meilahn EN, Matthews KA, Kuller LH. Coffee consumption: relationship to blood lipids in middle-aged women. *Int J Epidemiol* 1994;23:523-527.
19. Carson CA, Taylor HR, McCarty DJ, Zimmet P. Age-standardisation in epidemiological data. (Letter). *Int J Epidemiol* 1994;23:643-644.
20. Carson CA, Meilahn EN, Caggiula AW. A comparison of waist measurements: a methodological issue in longitudinal studies. *J Am Diet Assoc* 1994;94:771-772.
21. Zucconi SL, Carson CA. CDC's Consensus Set of Health Status Indicators: monitoring and prioritization by state health departments. *Am J Publ Health* 1994;84:1644-1646.
22. Carson CA, Snibson GR, Taylor HR. An analysis of clinical correlations 1, 3, 6, and 12 months after excimer laser photorefractive keratectomy. *Laser Light Ophthalmol* 1994;6:249-257.
23. Livingston PM, Carson CA, Stanislavsky YL, Lee SE, Guest CS, Taylor HR. Methods for a population-based study of eye disease: the Melbourne Visual Impairment Project. *Ophthalmic Epidemiol* 1994;1:139-148.
24. Fine MJ, Smith MA, Carson CA, Meffe F, Sankey SS, Weissfeld LA, Detskey AS, Kapoor WN. Efficacy of pneumococcal vaccination in adults: a meta-analysis of randomized controlled trials. *Arch Int Med* 1994;154:2666-2677.
25. Taylor HR, Carson CA. Excimer laser treatment for high and extreme myopia. *Trans Am Ophthalmol Soc* 1994;92:251-264.
26. Carson CA. Author's response to Coffee and Blood Lipids in Women. (Letter). *Int J Epidemiol* 1995;24:244.
27. Carson CA. Letter. *Dear Colleague Cardiol* 1995;4:8-9.
28. Livingston PM, Lee SE, De Paola C, Carson CA, Guest CS, Taylor HR. Knowledge of glaucoma, and its relationship to self-care practices in a population sample. *ANZ J Ophthalmol* 1995;23:37-41.

29. Levin S, Carson CA, Garrett SKM, Taylor HR. Prevalence of central islands following excimer laser refractive surgery. *J Cataract Refract Surg* 1995;21:21-26.
30. Carson CA, Taylor HR. Excimer laser treatment for high and extreme myopia. *Arch Ophthalmol* 1995;113:431-436.
31. Snibson GR, Carson CA, Aldred GF, Taylor HR. One year evaluation of excimer laser photorefractive keratectomy for myopia and myopic astigmatism. *Arch Ophthalmol* 1995;113:994-1000.
32. Carson CA, Taylor HR. Excimer laser treatment for high and extreme myopia. *Ophthalmology Digest* 1995;6:26-27.
33. Young IM, Rait JL, Carson CA, Taylor HR. Fastpac visual field screening. *Ophthalmic Epidemiol* 1995;2:117-122.
34. Livingston PM, Carson CA, Taylor HR. The epidemiology of cataract: a review of the literature. *Ophthalmic Epidemiol* 1995;2:151-164.
35. Fine MJ, Smith MA, Carson CA, Mutha S, Sankey SS, Weissfeld LA, Kapoor WN. Prognosis and outcomes of community-acquired pneumonia: a meta-analysis. *JAMA* 1996;275:134-141.
36. Snibson GR, Carson CA, Aldred GF, Levin S, Taylor HR. Retreatment following excimer laser photorefractive keratectomy. *Am J Ophthalmol* 1996;121:250-257.
37. Dickson PR, McCarty CA, Keeffe JE, Baxter R, Harper CA, Taylor HR. Diabetic retinopathy: examination practices and referral patterns of general practitioners. *Med J Aust* 1996;164:341-344.
38. Vajpayee RB, McCarty CA, Aldred G, Taylor HR. Overcorrection after excimer laser treatment for myopia and myopic astigmatism. *Arch Ophthalmol* 1996;114:252-256.
39. Taylor HR, McCarty CA, Aldred GF. The predictability of excimer laser treatment of myopia. *Arch Ophthalmol* 1996;114:248-251.
40. McCarty CA, Aldred GF, Taylor HR. Comparison of results of excimer laser correction of all degrees of myopia at 12 months postoperatively. *Am J Ophthalmol* 1996;121:372-383.
41. McCarty CA, Keeffe JE, Livingston PM, Taylor HR. The importance and state of medical and public health research related to vision in Australia. *Aust NZ J Ophthalmol* 1996;24:3-5.
42. McCarty CA, Garrett SKM, Aldred GF, Taylor HR. Assessment of subjective pain following photorefractive keratectomy. *J Refract Surg* 1996;12:365-369.
43. McCarty CA, Bailey IL, Livingston PM, De Paola C, Taylor HR. Reliability and validity of decimal tonometry readings. *Aust NZ J Ophthalmol* 1996;24:35-37.
44. Carson CA, Taylor HR. Excimer laser treatment for high and extreme myopia. *Arch Ophthalmol (Indian edition)*. 1996;3:258-259.
45. Dickson PR, McCarty CA, Keeffe JE, Harper CA, Taylor HR. Diabetic retinopathy: the role of the general practitioner. (Letter). *Med J Aust* 1996;165:295.
46. Taylor HR, McCarty CA. Does UV light cause cataract? *Ophthalmology World News* 1996;July:23.
47. McCarty CA, Taylor HR. Recent developments in vision research. Light damage in cataract. *Invest Ophthalmol Vis Sci* 1996;37:1720-1723.
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149. Taylor HR, Weih LM, McCarty CA. The future needs of eye care. Presented at the 1999 Melbourne Ophthalmic Alumni meeting, July 1999.
150. Keeffe JE, Weih LM, Hassell JB, McCarty CA. A profile of vision-related handicap. Presented at the 1999 Melbourne Ophthalmic Alumni meeting, July 1999.
151. Guymer RH, McNeil RJ, Cain MS, Allen PJ, McCarty CA, Baird PN. Is there a role for the ABCR Stargardt's gene in AMD? A profile of vision-related handicap. Presented at the 1999 Melbourne Ophthalmic Alumni meeting, July 1999.
152. Francis BH, Thomas AK, McCarty CA. The impact of rubella immunisation on the serological status of women of childbearing age. Presented at the Ninth International Congress of Virology, Sydney, August 1999.
153. Zhang Y, Keeffe J, Weih L, Harper A, McCarty C. Prevalence of diabetes in Melbourne ethnic Chinese. Presented at the Biennial Meeting of the International Agency to Prevent Blindness, Beijing, China, September 1999.
154. Brown S, Weih L, McCarty C, Taylor H. Prevalence of strabismus in adults. Presented at the Annual Meeting of the Orthoptic Association of Australia, Melbourne, November 1999.
155. Brown S, Weih L, Dimitrov P, McCarty C, Taylor H. Amblyopia in Victoria. Presented at the Annual Congress of the Royal Australian College of Ophthalmologists, Melbourne, November 1999.
156. Brown S, Weih L, Nanjan M, McCarty C, Taylor H. Assessment of adult stereopsis using Lang 1 Stereotest. Presented at the Annual Congress of the Royal Australian College of Ophthalmologists, Melbourne, November 1999.
157. Keeffe JE, McCarty CA, Weih LM, Taylor HR. Age-related eye disease in Australia. Presented at the first National Science of Ageing conference, Melbourne, November 1999.
158. Weih LM, McCarty CA, Taylor HR. Functional implications of vision impairment. Presented at the Australian Ophthalmic and Visual Science Meeting, Canberra, December 1999.
159. Mukesh BN, Van Newkirk MR, Wang JJ, Mitchell P, Taylor HR, McCarty CA. The prevalence of age-related maculopathy: the Visual Impairment Project. Presented at the Australian Ophthalmic and Visual Science Meeting, Canberra, December 1999.
160. Keeffe JE, Taylor KI, McKay R, McCarty CA. NHMRC Guidelines for Management of Diabetic Retinopathy: evaluation of changes in practice by ophthalmologists and optometrists. Presented at the Australian Ophthalmic and Visual Science Meeting, Canberra, December 1999.
161. Sikivou B, McCarty C, Harper A, Keeffe J. Characteristics of non-regular screeners for diabetic retinopathy. Presented at the Australian Ophthalmic and Visual Science Meeting, Canberra, December 1999.

162. Barty S, McCarty C, Taylor HR. Availability of eye health care services in rural Victoria: an ecological study. Presented at the Australian Ophthalmic and Visual Science Meeting, Canberra, December 1999.
163. McCarty DJ, McCarty CA. Survey of dry eye in Australian pilots. Presented at the Australian Ophthalmic and Visual Science Meeting, Canberra, December 1999.
164. Brown S, McCarty C, Taylor H. Stereopsis in an adult population. Presented at the Australian Ophthalmic and Visual Science Meeting, Canberra, December 1999.
165. Dimitrov PN, Taylor HR, McCarty CA. Association of presbyopic correction with changes in visual fields. Presented at the Australian Ophthalmic and Visual Science Meeting, Canberra, December 1999.
166. Khong JJ, McCarty CA, Dimitrov PN, Rait J, Maclean H. Can the specificity of the FDT be improved by retesting after abnormal results? Presented at the Australian and New Zealand Glaucoma Club Meeting, Melbourne, February 2000.
167. Dandona R, Dandona L, John RK, McCarty CA, Rao GN. Awareness of eye diseases in an urban population in southern India. *Invest Ophthalmol Vis Sci* 2000;40:S297.
168. Weih L, Sakellariou A, Rait J, McCarty C, Taylor H. Performance of frequency doubling perimetry in screening for glaucoma. *Invest Ophthalmol Vis Sci* 2000;40:S.
169. Dandona L, Dandona R, Srinivas M, Mandal P, McCarty CA, Rao GN. Glaucoma in an urban population in southern India: the Andhra Pradesh Eye Disease Study. *Invest Ophthalmol Vis Sci* 2000;40:S546.
170. Lee SJ, Harper CA, McCarty CA, Taylor HR, Keeffe JE. Program for the early detection of diabetic retinopathy: a two-year follow-up. *Invest Ophthalmol Vis Sci* 2000;40:S468.
171. Mukesh BN, Van Newkirk MR, Wang JJ, Mitchell P, Taylor HR, McCarty CA. The prevalence of age-related maculopathy: the Visual Impairment Project. *Invest Ophthalmol Vis Sci* 2000;40:S158.
172. Taylor HR, McCarty CA, Mukesh BN. Vision loss and mortality: the Melbourne Visual Impairment Project. *Invest Ophthalmol Vis Sci* 2000;40:S324.
173. McCarty CA, Nanjan MB, Fu CL, Mitchell P, Wang JJ, Taylor HR. Risk factors for age-related maculopathy: the Visual Impairment Project. *Invest Ophthalmol Vis Sci* 2000;40:S120.
174. McCarty DJ, Fu CL, Harper CA, McCarty CA, Taylor HR. Five-year incidence of diabetic retinopathy in the Melbourne Visual Impairment Project. *Invest Ophthalmol Vis Sci* 2000;40:S467.
175. McNeil RJ, Baird PNS, Cain MS, Allen PJ, McCarty CA, Guymer RH. Is there a role for the ABCR Stargadts gene in AMD? *Invest Ophthalmol Vis Sci* 2000;40:S144.
176. Taylor HR, Nanjan MB, McCarty CA. Visual impairment will kill you. Presented at the Royal Victorian Eye and Ear Hospital Alumni 2000 Scientific Meeting, 3 June 2000.
177. Lee SJ, McCarty CA, Harper CA, Taylor HR, Keeffe JE. Behaviour change for the early detection of diabetic retinopathy: what impact does screening have on outcome? Presented at the Royal Victorian Eye and Ear Hospital Alumni 2000 Scientific Meeting, 3 June 2000.



178. McCarty CA, Nanjan MB, Taylor HR. The five-year incidence of cataract surgery in the Melbourne Visual Impairment Project. Presented at the Third Asian Cataract Research Conference, Hong Kong, 16-19 November 2000.
179. Wright SE, McCarty CA, McKay R, Taylor KI, Keeffe JE. Changes in attitudes and practices of optometrists in their management of diabetic retinopathy after the release of NHMRC guidelines. Presented at the Australasian Ophthalmic and Visual Science Meeting, Sydney, 1-3 December 2000.
180. McCarty CA, Wright S, McKay R, Taylor KI, Keeffe JE. Changes in management of diabetic retinopathy by Australian ophthalmologists as a result of the NHMRC clinical guidelines. Presented at the Australasian Ophthalmic and Visual Science Meeting, Sydney, 1-3 December 2000.
181. Keeffe JE, Wright SE, McKay R, Taylor KI, McCarty CA. Management of diabetic retinopathy by Australian general practitioners: changes as a result of the NHMRC clinical practice guidelines. Presented at the Australasian Ophthalmic and Visual Science Meeting, Sydney, 1-3 December 2000.
182. Robman LD, McCarty CA, Taylor HR, McNeil JJ. Intra-observer reproducibility in digital lens imaging. Presented at the Australasian Ophthalmic and Visual Science Meeting, Sydney, 1-3 December 2000.
183. Robman LD, McCarty CA, Tikellis G, Ogden K, McNeil JJ, Taylor HR. Lens opacity measurements prior to cataract extraction. Presented at the Australasian Ophthalmic and Visual Science Meeting, Sydney, 1-3 December 2000.
184. Mukesh BN, McCarty CA, Rait J, Taylor HR. Incidence of primary open angle glaucoma: the Visual Impairment Project. Presented at the Australasian Ophthalmic and Visual Science Meeting, Sydney, 1-3 December 2000.
185. Mukesh BN, McCarty CA, Rait J, Taylor HR. Incidence of open angle glaucoma: the Visual Impairment Project. *Invest Ophthalmol Vis Sci* 2001;42:S156.
186. Taylor HR, Tikellis G, Robman R, McCarty CA, McNeil JJ. Vitamin E supplementation and age-related maculopathy. *Invest Ophthalmol Vis Sci* 2001;42:S311.
187. McCarty CA, Mukesh BN, Taylor HR. The five-year incidence and progression of lens opacities in the Melbourne Visual Impairment Project. *Invest Ophthalmol Vis Sci* 2001;42:S508.
188. Robman LD, McCarty CA, Tikellis G, Garrett SKM, Ogden K, McNeil JJ, Taylor HR. VECAT Study: the effect of vitamin E on the progression of lens opacities (preliminary results). *Invest Ophthalmol Vis Sci* 2001;42:S508.
189. Baird PN, Tomlin BM, McNeil RM, Weih LM, McCarty CA, Cain M, Guymer RM. Do single nucleotide polymorphisms (SNP's) in the peripherin RDS gene play a role in AMD? *Invest Ophthalmol Vis Sci* 2001;42:S638.
190. McCarty DJ, Mukesh BN, Nayak IV, Wang JJ, Mitchell P, Taylor HR, McCarty CA. Prevalence and associations of epiretinal membranes in the Melbourne Visual Impairment Project. *Invest Ophthalmol Vis Sci* 2001;42:S699.
191. Dimitrov PN, Mukesh BN, Taylor HR, McCarty CA. Causes of decreased visual acuity over five years in the Melbourne Visual Impairment Project. *Invest Ophthalmol Vis Sci* 2001;42:S709.
192. Keeffe JE, McCarty CA, Jin C, Taylor HR. Vision impairment and driving. *Invest Ophthalmol Vis Sci* 2001;42:S722.

193. Robman L, Dhadwal H, McCarty C, Garrett S, Wittpenn J, Taylor H. Early detection of nuclear lens changes with quasielastic light scatter. Presented at the International Society of Geographical and Epidemiological Ophthalmology, Sydney, April 2002.
194. Dimitrov PN, Mukesh BN, Wang JJ, Mitchell P, Taylor HR, McCarty CA. Association of refractive error with age-related macular degeneration in the Visual Impairment Project. Presented at the International Society of Geographical and Epidemiological Ophthalmology, Sydney, April 2002.
195. Robman LD, Tikellis G, Dimitrov P, Dowrick A, Nicolas C, Cameron J, McGrath B, McNeil JJ, Guymer R, McCarty CA. Cardiovascular health and age-related maculopathy (CHARM) Study: methodology and response rate. Presented at the International Congress of Ophthalmology, Sydney, April 2002.
196. Tikellis G, Robman L, Guymer R, McCarty C. Comparison of 3 fundus cameras for detecting features related to early age-related macular degeneration (AMD). Presented at the International Congress of Ophthalmology, Sydney, April 2002.
197. McCarty C, Chyou P-H, Kempf DL, Ziegelbauer L, McCarty DJ, Gunderson P, Reding D. A comparison of cardiovascular risk factors in farm and non-farm residents: the Wisconsin Rural Women's Health Study. Presented at the International Congress of Epidemiology, Montreal August 2002.
198. McCarty D, Chyou P, McCarty C, Gunderson P, Reding D. Glucose intolerance in the Wisconsin Rural Women's Health Study. Presented at the International Congress of Epidemiology, Montreal August 2002.
199. Dowrick A, Robman L, Tikellis G, Dimitrov P, Nicolas C, Cameron J, McGrath B, McNeil JJ, Guymer R, McCarty C. The progression of age-related maculopathy and its association with cardiovascular risk factors: the CHARM Study. Presented at the Australian Ophthalmic and Vision Science Meeting, Sydney, December 2002.
200. Dimitrov P, Robman L, Tikellis G, Dowrick A, Nicolas C, Cameron J, McGrath B, McNeil JJ, Guymer R, McCarty C. Impact of progression of age-related macular degeneration on functional impairment. Presented at the Australian Ophthalmic and Vision Science Meeting, Sydney, December 2002.
201. Nicolas C, Robman L, Tikellis G, Dimitrov P, Dowrick A, Guymer R, McCarty CA. Iris colour, ethnic origin and progression of age-related maculopathy. Presented at the Australian Ophthalmic and Vision Science Meeting, Sydney, December 2002.
202. McCarty CA, Caldwell M, Burmester J, Christensen C, Greenlee R, Giampietro P, McCarty D, Reed K, Westbrook S, Wilke S. Marshfield Clinic Personalized Medicine Research Project: Purpose, design and early recruitment results. Presented at the XIX International Congress of Genetics, Melbourne, Australia, July 2003.
203. McCarty C, Nair A, Austin D, Giampietro P. Informed consent and subject motivation to participate in a large, population-based genomics study: The Marshfield Clinic Personalized Medicine Research Project. Presented at the joint meeting of the Society for Epidemiologic Research and the Canadian Society for Epidemiology and Biostatistics, Toronto, June 2005. *Am J Epidemiol* 2005;161(Suppl):S108.
204. Brown-Switzer C, Sirohi E, Peissig P, Berg RL, Ghebranious N, McCarty CA, Wilke RA. Statin-use phenotyping in the advanced elderly – validation in a large, population-based DNA biobank. Presented at Experimental Biology 2006, San Francisco, California, April 1-5, 2006.

205. Bhupathi SSV, Berg RL, McCarty CA, Wilke RA. Frequency of self-reported adverse drug reactions (ADRs) in a population-based biobank. Presented at the Annual HMO Research Network Annual Meeting, Boston, May 1-3, 2006.
206. Robman L, Hodge A, Tikellis G, Dimitrov P, McCarty C, Guymer R. Lutein, zeaxanthin and n-3 fatty acids: are they subjected to a systemic bias in research on nutrition and age-related macular degeneration? Presented at the 15<sup>th</sup> Annual Meeting of the Australasian Epidemiological Association, 2006.
207. McCarty CA, S Turner, L Rasmussen, C Waudby, R Berg, J Linneman, P Peissig, L Chen, J Starren, RA Wilke, M Ritchie. Genome-Wide Association Study of Cataract in the eMERGE Consortium. Platform presentation at the annual meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, Florida, 4 May 2010.
208. McLaren GD, McCarty CA, Ritchie M, Turner S, Gordeuk VR, Garner CP, Vulpe CD, McLachlan S, Adams PC, McLaren CE. Lack of association between single nucleotide polymorphism rs3811647 in the *tf* gene and iron status in patients with iron deficiency and control subjects. *Blood* 2010;116:1727.

**INVITED PRESENTATIONS:**

1. Carson CA. Nutrition and AIDS. Invited seminar presented to the Public Health Nutrition Practice group of the Twin Cities District Dietetic Association for 1 CEU. 2 May 1989, Minneapolis, MN.
2. Carson CA. Nutrition and AIDS. Invited presentation at the 1990 Minnesota Annual WIC Nutrition Education Conference. 29 May 1990, Minneapolis, MN.
3. Carson C. Nutrition puts the bite on cancer. Invited presentation at the nursing conference Nutrition in Cancer Prevention and Recovery. 15 June 1990, St. Paul, MN.
4. Carson CA, Zucconi SL. Development of an index to measure the health status of a geographic region to guide health policy development and program planning. Invited presentation at the Annual Meeting of the American Public Health Association, 10-14 November 1991, Atlanta, Georgia.
5. Zucconi S, Carson C. The health status indicators. Invited presentation at the 1992 Designated State Centers Director's Meeting, sponsored by the National Center for Health Statistics, 2-4 December 1992, Newport, Rhode Island.
6. Zucconi SL, Carson CA. Monitoring and prioritization of the consensus set of health status indicators by state health departments in the United States. Invited presentation at the NCHS Public Health Conference on Records and Statistics, 19-21 July 1993, Washington, D.C.
7. Taylor HR, Carson CA. Epidemiology of myopia. Invited paper presented at the 15th Congress of the Asia-Pacific Academy of Ophthalmology, 6-10 March 1995.
8. Carson C. Ophthalmological problems of older people. Invited presentation at the PHA "Public Health Aspects of Ageing" seminar, 13 June 1995, Melbourne.
9. Carson C, Keeffe J. Visual impairment in older people. Invited presentation at the monthly forum of the Australian Association of Gerontology, 5 September 1995, Melbourne.
10. Carson C, Maclean H. Antioxidants and the eye. Invited CME presentation to the Academy for General Practice, 7 September 1995, Melbourne.

11. McCarty CA. The Melbourne Visual Impairment Project. Invited presentation at Christian Blind Mission International, 12 December 1996, Melbourne.
12. Keeffe JE, Nettle HR, Loh E, McCarty CA, Taylor HR. Testing of a low vision kit. Invited presentation at the World Congress on Gerontology, August 1997, Adelaide.
13. McCarty CA, Taylor HR. An urban/rural comparison of cataract prevalence in Australia. Invited presentation at the Second Asian Cataract Research Conference, Pusan, Korea, 4-6 June 1998.
14. McCarty CA, Taylor HR. Risk factors for age-related cataract in Australia. Invited presentation at the XIII International Congress of Eye Research, Paris, France, 26-31 July 1998.
15. McCarty C. Teaching epidemiology to mature age students. Invited presentation at the 2<sup>nd</sup> annual Australian International Conference on Teaching Statistics, Melbourne, 10 December 1999.
16. McCarty CA. Prevalence of visual impairment among older people. Invited presentation at the 2<sup>nd</sup> Victorian Conference on Preventing Falls Among Older People. Melbourne, 23 June 2000.
17. McCarty C. Projected numbers of people with eye disease: implications for research and training. Invited presentation at the Ophthalmology 2000 meeting, Melbourne, 9-11 August 2000.
18. McCarty C. Vision and falls in the Melbourne Visual Impairment Project. Invited seminar at the National Ageing Research Institute, Melbourne, 21 August 2000.
19. McCarty CA, Fu CL, Taylor HR. Predictors of falls in the Melbourne Visual Impairment Project. Invited presentation at the Annual Meeting of the Royal Australian College of Ophthalmologists, November 2000, Sydney.
20. Keeffe JE, McCarty CA, Taylor HR. The decision to drive, accidents and impaired vision. Invited presentation at the Annual Meeting of the Royal Australian College of Ophthalmologists, November 2000, Sydney.
21. McCarty C. Personalized Medicine Research Project. Invited presentation at the 21<sup>st</sup> Annual Laboratory Medicine in Review Conference, Marshfield, October 2002.
22. McCarty C. Personalized Medicine research Project. Invited presentation at the P3G and North American Stakeholders' Meeting, Montreal, August 2003.
23. McCarty C. The importance of epidemiology in the effort of reducing world blindness due to cataract. Invited presentation at the European Association for Vision and Eye Research Annual Meeting, Allicante, Spain, October 2003.
24. McCarty C. Design issues in genetic epidemiology research in ophthalmology. Invited symposium presentation at the International Ophthalmology Conference in China, Beijing, November 2003.
25. McCarty C. The Marshfield Clinic Personalized Medicine Research Project: the handle for the genomic pump. Invited seminar at the Office of Genomics and Disease Prevention, Centers for Disease Control and Prevention, Atlanta, February 2004.
26. McCarty C. The Marshfield Personalized Medicine Project. Invited presentation and participation in the CDC meeting "International biobank and cohort studies: developing a harmonious approach", Atlanta, 7-8 February, 2005.
27. McCarty C. Public health implications of genomics research. Invited keynote address at the 3<sup>rd</sup> annual "Practical Genetics for Health Care Providers" conference, Sheboygan, WI, May 2005.

28. McCarty CA, Ghebranious N. Genetic and environmental contributions to Alzheimer's Disease: a study using the Marshfield Clinic Personalized Medicine Research Project. Invited workshop at the 20<sup>th</sup> annual state conference on Alzheimer's Disease and related disorders, May 7-9, 2006, Green Bay, Wisconsin.
29. McCarty C. "Racial variations in eye disease: perspective from AMD, diabetic retinopathy and cataract". Invited presentation in mini symposium on race and science, Annual meeting of the Association for Research in Vision and Ophthalmology, Florida, April 30-May 4, 2006.
30. McCarty C. Marshfield Clinic Personalized Medicine Research Project. Invited presentation at the NIH/FDA sponsored "Understanding the genetic basis of medication safety: a workshop" meeting, Washington DC, December 11-12 2006.
31. McCarty CA. The Marshfield Clinic Personalized Medicine Research Project: Data access issues and current status. Invited presentation at the Veteran's Department Genomic Medicine Advisory Committee meeting, Washington DC, March 16, 2007.
32. McCarty CA. Sunlight exposure assessment: can we accurately assess vitamin D exposure from sunlight? Invited presentation in Experimental Biology Symposium, Washington DC, May 1, 2007.
33. McCarty CA. Marshfield Model. Invited presentation at Institute of Medicine workshop entitled "Genome Wide Association Studies: Obstacles and Opportunities for Data Sharing", June 7, 2007, Washington DC.
34. McCarty CA. Invited member of response panel at roundtable entitled "Genes and the Environment: the Emerging Role of Genomics and Public Health". University of Minnesota, June 8, 2007.
35. McCarty CA. Personalized Medicine Project Update. Invited presentation at the Wisconsin Genetics Exchange, Marshfield, September 6, 2007.
36. McCarty CA, Alcohol Intake, Genetics and Risk of Breast Cancer in PLCO, Invited talk in the plenary session, PLCO/NLST Steering Committee Meeting, Bethesda, September 18, 2007.
37. McCarty CA. Personalized Medicine Project. Invited presentation at the 26<sup>th</sup> annual Laboratory Medicine in Review program, Marshfield, October 19, 2007.
38. McCarty CA. Integrating genomics and patient level data: Marshfield Clinic experience. Invited presentation at the Patient Centric Health Leadership Forum, Washington DC, November 20, 2007.
39. McCarty CA. The Marshfield Clinic Personalized Medicine Research Project: Opportunities for Collaboration in Translational Research, Invited presentation at Clinical Sciences Collaborative Opportunities Gathering, UW La Crosse, December 1, 2007.
40. McCarty CA. Translational genetics and biobanking. Invited presentation at the Kaiser Colorado Institute for Health Leadership Translational Genetics Workshop, Denver, Colorado, December 3-4, 2007.
41. McCarty CA. The Marshfield Clinic Personalized Medicine Research Project: A Model for Translational Genomics Research. Grand Rounds, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, December 7, 2007.
42. McCarty CA. The Marshfield Clinic Personalized Medicine Research Project: Translational Research in a Biobank with an Attached Electronic Medical Record. Informatics Grand Rounds, Mayo Clinic, December 14, 2007.

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43. McCarty CA. Biobanking for Pharmacogenetics Research. Invited presentation at CDC workshop “Understanding the Genomic Basis of Vaccine Safety”, Atlanta, January 30-31, 2008.
44. McCarty CA. Personalized Medicine at the Marshfield Clinic. Invited presentation at the American Medical Association –MSS Region 2 Annual Meeting, 1 March 2008, Iowa City.
45. McCarty CA. Personalized Medicine in Ophthalmology. Invited presentation at International Conference on Nano-medicine & Recent Advances in Ophthalmic Research, Chennai, India, 3-6 September 2008.
46. McCarty CA. Personalized Medicine at the Marshfield Clinic. Invited presentation at the Eleventh Annual International Conference on Drug Metabolism/Applied Pharmacokinetics, Merrimac, Wisconsin, 11 September 2008.
47. McCarty CA. The Marshfield Clinic Personalized Medicine Research Project. Invited presentation at the annual SOGRA meeting, 13 September 2008, Marshfield, WI.
48. McCarty CA. “Genetic epidemiology studies of cataract in a population-based biobank”. Invited presentation at the EVER 2008 Annual Meeting, Slovenia, 1-4 October 2008.
49. McCarty CA. Community engagement in biobanking: the Marshfield experience. Invited presentation in an education workshop at the 10<sup>th</sup> Annual Meeting of the American Society for Bioethics and Humanities, Cleveland, OH, 23-26 October 2008.
50. McCarty CA. Community engagement for a population-based biobank: the Marshfield Clinic Personalized Medicine Research Project experience. Invited presentation at the European Science Foundation research conference “Biobanks: introduction and next steps”, 2-5 November 2008, Costa Brava, Spain.
51. McCarty CA. “The Marshfield Clinic Personalized Medicine Research Project: Design, implementation and scientific outcomes”. Invited seminar at Columbia University, 16 December 2008.
52. McCarty CA. “Personalized Medicine in Ophthalmology”. Invited presentation at Asia ARVO, 15-18 January 2009, Hyderabad, India.
53. McCarty CA. “Personalized Medicine: Current and Future Implications”. Invited opening address at the 2009 Winter Milwaukee Symposium Personalized Medicine: Men and Women’s Health, 25 January 2009, Milwaukee, WI.
54. McCarty CA. “The Marshfield Clinic Personalized Medicine Research Project: a population-based resource for translational research”. Invited presentation at the second annual Wisconsin Science & Technology Symposium, 23-24 July 2009, La Crosse, Wisconsin.
55. McCarty CA. “The eMERGE network model consent language”. Invited faculty at the annual PRIMR meeting, 14-16 November 2009, Nashville, Tennessee.
56. McCarty CA. “A tale of two tails: the road to personalized health care”. Invited presentation at UW Marathon County Good Ideas program, 7 January 2010, Wausau, Wisconsin.
57. McCarty CA. “Balancing scientific depth with potential participant burden: the Marshfield Clinic Personalized Medicine Research project experience”. Invited speaker and panelist at NIH Office of the Director symposium *New Models for Prospective Studies*, 22 January 2010, Bethesda, MD.

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58. McCarty CA. "Personalized medicine: from discovery to routine clinical practice". Invited presentation at the ASCLS-WI State Convention, 7 April 2010, Stevens Point, WI.
59. McCarty CA. "Personalized Medicine Research at the Marshfield Clinic". Invited presentation at the 2010 Mountain States Genetics Foundation Annual Meeting, July 2010, Denver, CO.
60. McCarty CA. Invited panel presenter in "Connecting bench to bedside: leading the personalized health care revolution" plenary session, Biotechnology Vision Summit 2010, 25 August 2010, Madison, WI.
61. McCarty CA. "Getting personal about medicine: an overview of research to improve health care delivery". Invited presentation for UWSP Continuing Education LIFE program, 13 September 2010.
62. McCarty CA. "Lessons learned in biobanking at the Marshfield Clinic". Invited speaker at the Cambridge Healthtech Institute's Second Annual Maximizing your investment in biobanking conference, 6-8 December 2010, Providence, Rhode Island.
63. McCarty CA. "From bench to bedside: personalized medicine research and application at Marshfield Clinic". Invited keynote address at the Wisconsin Speech-Language Pathology and Audiology Association Annual Convention, 26 February 2011, Stevens Point, Wisconsin.
64. McCarty CA. "Marshfield Personalized Medicine Research Project – Translation to Clinical Routine". Invited presentation at personalized medicine forum, University of Greifswald, Germany, 6 May 2011.
65. McCarty CA. "Genomics: what stories could electronic health records tell?" Invited presentation for LifeScience Alley, Minneapolis, 2 December 2011.
66. McCarty CA. "The eMERGE network: biorespositories linked to electronic medical records data for conducting genomic studies". Invited presentation at Up Close and Personal, International Congress on Personalized Medicine, Florence, Italy, 3 February 2012.
67. McCarty CA. "Personalized medicine – the community perspective". Invited presentation at Inaugural symposium of Penn State Hershey Institute for Personalized Medicine, 8 June 2012.
68. McCarty, CA. "Patient engagement in biobanking and genomic medicine". Invited seminar at Penn State University, 10 April 2013.

**PEER REVIEW ACTIVITIES:**

Manuscript review

*Acta Ophthalmologica Scandinavica*

*Alzheimer's & Dementia*

*American Journal of Clinical Nutrition*

*American Journal of Epidemiology*

*American Journal of Preventive Medicine*

*Annals of Epidemiology*

*Annals of Neurology*

*Archives of Internal Medicine*

*Archives of Ophthalmology*

*Australian and New Zealand Journal of Public Health*

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*BioMed Central Family Practice*  
*BioMed Central Medical Genetics*  
*BioMed Central Ophthalmology*  
*British Journal of Ophthalmology*  
*Clinical and Experimental Ophthalmology*, Section Editor since 1998  
*Clinical Medicine and Research*  
*Current Eye Research*  
*Disease Management and Health Outcomes*  
*European Journal of Clinical Nutrition*  
*Experimental Eye Research*  
*Expert Review of Ophthalmology*  
*Eye*  
*Gene Therapy & Molecular Biology*  
*Graeves Archives for Clinical and Experimental Ophthalmology*  
*Human Genetics*  
*Hypertension*  
*Investigative Ophthalmology and Visual Science*  
*Journal of Agromedicine*, Editorial Board member since 2004  
*Journal of Biomedical Informatics*  
*Journal of Cancer Science & Therapy*  
*Journal of Cataract and Refractive Surgery*  
*Journal of Clinical Pharmacology*  
*Journal of Empirical Research on Human Research Ethics*  
*Journal of European Academy of Dermatology and Venereology*  
*Journal of Glaucoma*  
*Journal of Managed Care Pharmacy*  
*Journal of Refractive Surgery*  
*Journal of Science and Medicine in Sport*  
*Lancet*  
*Mammalian Genome*  
*Medical Journal of Australia*  
*New England Journal of Medicine*  
*Open Ophthalmology*, Foundation Editorial Board member since 2007  
*Ophthalmic Epidemiology*, Editorial Board member since 2005  
*Ophthalmic Research*  
*Ophthalmic and Physiologic Optics*  
*Ophthalmology*  
*Personalized Medicine*, Editorial Board member since 2005  
*Physiological Genomics*  
*Survey of Ophthalmology*  
*US Chinese Journal of Ophthalmology*, Editorial Board member since 2001  
*Value in Health*

Grant review

Australian Brewer's Foundation Medical Research Grant Scheme, 1995  
Canada Foundation, member of Integrative Review Group, 2008 grant cycle



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### **PAGE 57:**

Fogarty International NIH Millennium Promise Awards panel reviewer, 2009-2011  
Guide Dogs for the Blind Association, U.K. grant reviewer, 2011, 2013  
Medical Research Committee (UK) research grants, 1996  
National Medical Research Council (Singapore) individual research grant reviewer, 2008, 2009, 2012  
NHLBI Genome Association Studies Special Emphasis Panel member, June 29-30, 2006  
NIH ARRA Challenge grant mail reviewer, 2009  
NIH Center for Scientific Review Neurological, Aging and Musculoskeletal Epidemiology (NAME) Study Section, 2010  
NIH Member Conflicts: Chronic Disease Epidemiology, Internet Assisted Review, 2012  
NIH Transformative R01 Roadmap review, mail reviewer, 2012  
NIOSH National Children's Center for Rural and Agricultural Health and Safety, mini grant reviewer, 2003-2005  
NIOSH Disease, Disability and Injury Prevention and Control Special Emphasis Panel, May 1-5, 2006  
NIOSH Agricultural Research Center Special Emphasis Panel, June 6-10, 2011  
National Health and Medical Research Council project grants, 1998-2003, 2005, 2009  
Ophthalmic Research Institute of Australia research grants, 1996-1998, 2000  
PPP Foundation research grants, 2003  
Victorian Health Promotion Foundation program grants, 1996  
Wellcome Trust Society Activity Awards, 2007

### Graduate thesis review

Deakin University Honours thesis, 2000  
Swinburne University of Technology Master of Applied Science thesis, 2000  
University of Melbourne MPH minor thesis, 2000  
University of Sydney MPH treatises, 1995, 1996  
University of Western Australia PhD thesis, 1999  
University of Sydney PhD thesis, 2010

### **UNDERGRADUATE AND POSTGRADUATE SUPERVISION:**

Advanced Study Units (third year), University of Melbourne Faculty of Medicine, 1995-7  
Matthew Wensor, MSc, University of Melbourne, 1998 (sole supervisor)  
Thesis: The prevalence and risk factors of myopia in Australia  
Maria Stamos, MAppSc, Latrobe University, 1999 (associate supervisor)  
Thesis: Prenatal factors in infantile strabismus  
Rakhi Dandona, PhD, University of Melbourne, 2001 (sole supervisor)  
Thesis: Barriers to eye-care services in the Indian state of Andhra Pradesh: recommendations for action  
Gabiella Tikellis, PhD, University of Melbourne, 2002 (sole supervisor)  
Thesis: The role of vitamin E in preventing the progression/incidence of age-related macular degeneration  
Simon Barty, MSc, University of Melbourne, 2002 (sole supervisor)  
Thesis: Risk factors for age-related cataract in rural Victoria  
Barbara Francis, PhD, Swinburne University of Technology, 2002 (primary supervisor)

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Thesis: The impact of rubella immunization on the serological status of women of childbearing age

Summer student research interns, Marshfield Clinic Research Foundation, 2002-2004, 2007-2008, 2010-2011

Melissa Wagner Schuman, Medical College of Wisconsin (thesis committee), 2010

Thesis: Methods to slow myopia progression in children

Kimberly Anderson, MS, University of Wisconsin (sole Master in Genetic Counseling supervisor), 2009

Thesis: Barriers to access of genetic services in Wisconsin

Tara Larson, MS, RD, South Dakota State University (research supervisor and committee member)

Thesis: Genetic epidemiology of diabetic retinopathy in PMRP

**POSTDOCTORAL SUPERVISION:**

Luba Robman, MD, PhD, University of Melbourne, 1995-2000 (sole supervisor)

Thesis: Measurement of changes in lens opacities over 1 year with the Nidek EAS-1000

Deanna Cross, PhD, Personalized Medicine Research Project Scientist 2007-2009, KL2 scholar 2010-2013

Kristin Meyers, PhD, MPH, University of Wisconsin, 2009-2011