DATE: July 16, 2023

NAME: Jaya Mathangi Satagopan

PRESENT TITLE: Professor and Associate Dean for Faculty Affairs

TELEPHONE NUMBER/E-MAIL ADDRESS: 732-235-6496 /

satagopj@sph.rutgers.edu **CITIZENSHIP:** USA

EDUCATION:

A. University of Madras
Madras, Tamil Nadu, India
BSc (Mathematics) May, 1988

B. Indian Statistical Institute
Kolkata (Calcutta), West Bengal, India
MStat (Statistics) May, 1990

C. University of Wisconsin
Madison, WI, USA
PhD (Statistics) July, 1995

D. University of Edinburgh
Edinburgh, UK
MSc (Science Communication and Public Engagement) August, 2019

ACADEMIC APPOINTMENTS:

Department of Biostatistics and Epidemiology
Rutgers University
Professor (with award of tenure)
9/2019 – present

Cancer Prevention and Control Program
Rutgers Cancer Institute of New Jersey
Full Member
9/2019 - present

Department of Epidemiology and Biostatistics
Memorial Sloan Kettering Cancer Center
Member, Memorial Hospital
12/2017 – 8/2019

Department of Epidemiology and Biostatistics
Memorial Sloan Kettering Cancer Center
Associate Member
5/2005 – 11/2017

Department of Epidemiology and Biostatistics
Memorial Sloan Kettering Cancer Center
Assistant Member
11/1998 – 4/2005

Department of Epidemiology and Biostatistics
Memorial Sloan Kettering Cancer Center
Clinical Assistant
9/1995 – 10/1998

ADMINISTRATIVE APPOINTMENTS:

Rutgers School of Public Health
Rutgers University
Associate Dean for Faculty Affairs
7/2021 – present

Rutgers School of Public Health
Rutgers University
Interim Associate Dean for Faculty Affairs
9/2020 – 6/2021

Center for South Asian Quantitative Health & Education
Rutgers School of Public Health
Director
9/2019 - present

HOSPITAL APPOINTMENTS:

Department of Epidemiology and Biostatistics
Memorial Sloan Kettering Cancer Center
Attending Biostatistician
12/2017 – 8/2019

Department of Epidemiology and Biostatistics
Memorial Sloan Kettering Cancer Center
Associate Attending Biostatistician
5/2005 – 11/2017

Department of Epidemiology and Biostatistics
Memorial Sloan Kettering Cancer Center
Assistant Attending Biostatistician
11/1998 – 4/2005

Department of Epidemiology and Biostatistics
Memorial Sloan Kettering Cancer Center
Assistant Biostatistician
9/1995 – 10/1998

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS:

Department of Health Policy and Research
(formerly Department of Population Sciences)
Division of Biostatistics
Weill Cornell Medicine
Courtesy Appointment (Associate Professor of Public Health)
4/2009 – 8/2019

Department of Statistics
Purdue University
Visiting Assistant Professor
1/2001 – 5/2001

MEMBERSHIP, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

American Statistical Association
Member
1993 – present

Royal Statistical Society

Member
1993 – present

International Genetic Epidemiology Society
Member
2010 – present

International Indian Statistical Association
Life Member
2014 – present

American Association for the Advancement of Science
Member
2015 – present

American Public Health Association
Member
2022 - present

American Statistical Association – Section on Teaching of Statistics in the Health Sciences
Program Chair-Elect 2019, Program Chair 2020, Past Program Chair 2021
Section Chair-Elect 2024, Section Chair 2025, Section Past-Chair 2026

American Statistical Association – Section on Statistics in Epidemiology
Secretary and Treasurer
Member, Nathan Mantel Lifetime Achievement Award Committee
Member, Young Investigator Awards Committee
2009 – 2012

International Genetic Epidemiology Society
Member, Education Committee
2013 – 2015
Member, Program Committee
2015 – 2018 (Chair, Program Committee – 2017)

American Association for Cancer Research
Member, Program Committee for 2016 Conference
2015 – 2016

HONORS AND AWARDS:

Higher Education Resource Services (HERS) Fellow
Bridgewater University Campus, Bridgewater, MA
Nominator and Sponsor: Rutgers Biomedical and Health Sciences, Rutgers University
2023

Excellence in Teaching Award
New Jersey Health Foundation
2021

Alpha Eta Chapter of the Delta Omega Honour Society
Rutgers School of Public Health
2021

Academic Leadership Program Fellow
Rutgers Biomedical and Health Sciences, Rutgers University
2021

OASIS Leadership & Professional Development Program Fellow
Rutgers University
2020

Fellow Member
International Genetic Epidemiology Society
2019

Fellow
American Statistical Association
2015

BOARD OF DIRECTORS/TRUSTEES POSITIONS:

International Indian Statistical Association
Member, Board of Trustees
2021 – 2023

International Genetic Epidemiology Society
Member, Board of Directors
2019 – 2021

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

National Institutes of Health
Analytics and Statistics for Population Research Panel A (ASPA) Study Section
(formerly: Biostatistics Methods and Research Design (BMRD) Study Section)
Standing Member: July 2021 – present

National Institutes of Health
Biostatistics Methods and Research Design (BMRD) Study Section – Special Emphasis Panel
Ad-Hoc Member and Chair: April 2021

National Institutes of Health
Information Technology in Cancer Research (ITCR) Special Emphasis Panel
Ad Hoc Member: March 2021

National Institute of Environmental Health Sciences / National Institutes of Health
Board of Scientific Counsellors Review
Biostatistics and Computational Biology Branch, Division of Intramural Research
Ad-Hoc Member: March 2021

National Institutes of Health
Biostatistics Methods and Research Design (BMRD) Study Section
Ad Hoc Member: October 2020

National Institutes of Health
Fellowship Study Section (F30/F31 applications) – Population Sciences and Epidemiology
Ad Hoc Member and Co-Chair: July 2020

National Institutes of Health
Cancer Informatics Technology Study Section
Ad Hoc Member: April, 2020

National Institutes of Health
Clinical Management of Patients in Community-Based Settings (CMPC) Study Section
Ad Hoc Member: February, 2020

National Institutes of Health
Special Emphasis Panel – Kidney Diseases
Ad Hoc Member: 2018

National Institutes of Health
Special Emphasis Panel – F30 and F31 Training Awards
Ad Hoc Member: 2018

National Institutes of Health
Special Emphasis Panel – Precision Medicine Cohort Coordinating Center
Ad Hoc Member: 2016

National Institutes of Health
Epidemiology of Cancer Study Section
Ad Hoc Member: 2004 - 2010
Chartered Member: 2010 – 2014

National Institutes of Health
Special Emphasis Panel – Epidemiology and Genetics of Cancer
Ad Hoc Member: 2008

National Institutes of Health
Biostatistics Methods and Research Design Study Section
Ad Hoc Member: 2007

National Institutes of Health
Special Emphasis Panel – Continued Development and Maintenance of Computational Biology Software
Ad Hoc Member: 2007

National Institutes of Health
Special Emphasis Panel – Breast Cancer Family Registry
Ad Hoc Member: 2006
Ad Hoc Member – Interim Review Panel: 2009

Cancer Research UK
Reviewer, Epidemiology Grants: 2006

SERVICE ON MAJOR COMMITTEES:

A. International:

Genome-wide Association Study of Mental Disorders Consoritum
National Institute of Mental Health, NIH, USA; Central Institute of Mental Health, Mannheim, Germany; University of Bonn, Germany (PI: Thomas Wienke)
Statistical Advisor: 2006 – 2007

B. National:

National Science Foundation – Polyploid Consortium: Functional Genomics of Plant Polyploids. University of California – Davis (PI: Comai), Cold Spring Harbor Laboratory, University of Texas – Austin, Purdue University, University of Missouri – Columbia
Member, Scientific Advisory Committee: 2006 – 2009

C. Medical School/University: Rutgers University Committees:

Chair, Rutgers School of Public Health Internal Grant Review Program, December 2021 – present

Cancer Prevention and Control Research Program Liaison, Community Outreach and Engagement, Rutgers Cancer Institute of New Jersey, September 2020 – present

Member, Catchment Area and Disparities Research Advisory Committee, Rutgers Cancer Institute of New Jersey, December 2019 – present

Member, Faculty Search Committee, Cancer Prevention and Control Program, Rutgers Cancer Institute of New Jersey, July 2021 – present

Member, Masters in Public Health (MPH) Admissions Committee, Rutgers School of Public Health, January 2020 – present

Member, Scientific Review Board (SRB), Rutgers Cancer Institute of New Jersey, September 2020 – present

Member, RBHS Distinguished Educator Award Committee, Rutgers University, September 2021 (Abbreviation: RBHS = Rutgers Biomedical and Health Sciences College)

Member, Faculty Search Committee, Department of Urban Global Public Health, Rutgers School of Public Health, May 2021 – June 2021

Member, Faculty Search Committee, Department of Health Behaviour, Society and Policy, Rutgers School of Public Health, May 2021 – December 2021

Member, Research and Doctoral Studies Committee, Rutgers School of Public Health, 2020 – 2022

Member, Covid Surveillance and Modelling Group, Rutgers Biomedical and Health Sciences, September – December, 2020

Member, RBHS Anti-Racism Task Force, Rutgers Biomedical and Health Sciences, October July 2020 – June 2022

Member, Search Committee for Director of Biostatistics Shared Resource, Rutgers Cancer Institute of New Jersey, December 2019 – May 2021

Member, Search Committee for Assistant Director for New Jersey Center on Gun Violence Research, Rutgers School of Public Health, February – March 2020

Faculty Group Leader, Inter Professional Experience Event, Rutgers School of Public Health, October 2020 and October 2022.

D. Hospital:

Member, Clinical Protocol Scientific Review Committee (Research Council), Memorial Sloan Kettering Cancer Center, 5/2014 – 11/2016

E. **Department**:

Member, Mentoring Committee for Dr. Nur Zeinomar, Cancer Prevention and Control Program, Rutgers Cancer Institute of New Jersey, April 2021 - present

Member, Mentoring Committee for Dr. Bonnie Qin, Cancer Prevention and Control Program, Rutgers Cancer Institute of New Jersey, June 2020 - present

Member, Mentoring Committee for Dr. Stephanie Shiau, Department of Biostatistics and Epidemiology, Rutgers School of Public Health, January 2020 – August 2020

Member, Mentoring Committee for Dr. Vivan Li, Department of Biostatistics and Epidemiology, Rutgers School of Public Health, March 2020 – August 2020

Member, Mentoring Committee for Dr. Adana Llanos Wilson, Department of Biostatistics and Epidemiology, Rutgers School of Public Health, December 2019 – August 2020

F. Editorial Boards:

Genetic Epidemiology, 2011 – present
Sankhya – Series B, 2011 – 2015

G. ***Ad Hoc*** **reviewer (1995 – present):**

American Journal of Epidemiology, American Journal of Human Genetics, American Journal of Preventive Medicine, Annals of Human Genetics, Bioinformatics, Biometrics, Biostatistics, BMC Genetics, Cancer Epidemiology Biomarkers and Prevention, Frontiers in Genetics, Genetics, Genetic Epidemiology, Genetique Selection & Evolution, Human Heredity, Journal of Agricultural Biological and Environmental Statistics, Journal of Clinical Epidemiology, Journal of Clinical Oncology, Journal of the American Medical Association, New England Journal of Medicine, Statistics in Medicine, Statistical Applications in Genetics and Molecular Biology, Statistics in Medicine, eLife – Reproducibility Project: Cancer Biology

SERVICE ON GRADUATE SCHOOL COMMITTEES:

(See Section C above)

SERVICE TO THE COMMUNITY:

Organizer and Chair, Invited Session
"Recent Advances in Statistical Methods and their Applications"
International Conference on Statistics for the Twenty-First Century,
University of Kerala, Trivandrum, India,
December 2022

Organizer and Chair, Invited Session
"Quantitative Applications in Public Health"
International Conference on Statistics for the Twenty-First Century,
University of Kerala, Trivandrum, India,
December 2022

Organizer and Chair, Invited Session "Clinical Trial Design"
International Conference on Statistics for the Twenty-First Century,
University of Kerala, Trivandrum, India,
December 2021

Organizer and Chair, Invited Session "Quantitative Approaches in Public Health"
International Conference on Statistics for the Twenty-First Century,
University of Kerala, Trivandrum, India,
December 2021

Organizer and Chair, Invited Session
"Current innovations in statistical methods and their applications",
Webinar on Recent Trends in Statistical Theory and Applications-2021,
University of Kerala, Trivandrum, India,
June 2021.

Organizer and Chair, Invited Session "Quantitative approaches in health sciences",
International Conference on Statistics for the Twenty-First Century,
University of Kerala, Trivandrum, India,
December 2020.

Organizer & Chair, Invited Session "Innovations in statistical theory and applications",
Fourth National Seminar on Recent Trends in Statistical Theory and Applications-2020,
University of Kerala, Trivandrum, India,
June 2020.

Co-Chair (with Dr. Jill Mesirov, UC San Diego), ASHG/IGES/ISCB Joint Symposium "Working with Big Data in the cloud – Research and Privacy", International Genetic Epidemiology Society Annual Conference, San Diego, CA, October 2018

Organizer, Invited Session, "Bayesian variable selection and shrinkage in epidemiology studies", Joint Statistical Meetings, Vancouver, Canada, August 2018

Organizer and Chair, Invited Session,
"Building a computing age statistics curriculum for biomedical scientists", Joint Statistical Meetings, Vancouver, Canada, August 2018

Chair, Contributed Session, "Data science applications in epidemiology", Joint Statistical Meetings, Baltimore, MD, August 2017

Chair, Invited Session, "New developments on meta-analysis with applications in medical research", Joint Statistical Meetings, Boston, MA, August 2014

Co-Organizer (with Dr. Li-Xuan Qin, Memorial Sloan Kettering Cancer Center), Invited

Session, “Statistical as an interface between tumor biology and molecular epidemiology”, Joint Statistical Meetings, Montreal, Canada, August 2013

Co-Organizer (with Professor Rebecca Doerge, Purdue University), Invited Session, “Epigenomics”, Joint Statistical Meetings, Washington D.C., August 2009

Organizer and Chair, Invited Session, “Impact of high-dimensional data on molecular epidemiology”, Joint Statistical Meetings, Washington D.C., August 2009

Co-Organizer (with Professor Samiran Sinha, Texas A&M University) and Chair, Invited Session, “Current issues in molecular epidemiology: heterogeneity and high-dimensionality”, Joint Statistical Meetings, Denver, CO, August 2008

Co-Organizer (with Professor Mousumi Banerjee, University of Michigan) and Chair, Topic Contributed Session “Competing risk events in cancer epidemiology”, Joint Statistical Meetings, Seattle, WA, August 2006

Co-Organizer (with Professor Shili Lin, Ohio State University), Invited Session, “Statistical issues in emerging areas of cancer research”, Joint Statistical Meetings, Seattle, WA, August 2006

Organizer and Chair, Invited Session, “Sampling issues in risk factor studies”, Joint Statistical Meetings, Minneapolis, MN, August 2005

Organizer and Chair, Topic Contributed Session “Statistical methods in molecular epidemiology”, Joint Statistical Meetings, Toronto, Canada, August 2004

SPONSORSHIP (Primary Mentorship) OF CANDIDATES FOR POSTGRADUATE DEGREE:

Tina Dharamdasani, Epidemiology PhD Student, Rutgers School of Public Health
September 2020 – present
Thesis topic: Breast cancer among South Asian Americans

TEACHING RESPONSIBILITIES:

A. Lectures or Course Directorship

Teaching at Rutgers University
School: Rutgers School of Public Health
Course Name: Introduction to Biostatistics (PHCO 0504)
Role: Course Instructor
Hours: One lecture for 2 hours per week, 15 weeks per semester
January 2020 – present

Other teaching:
School: Memorial Sloan Kettering Cancer Center
Course Name: Statistics for laboratory researchers
Hours: 8 lecture per year, 90 minutes per lecture, 2017 - 2019
Co-Directed and co-taught with another colleague
Secured NIH R25 grant as MPI to develop curriculum (R25CA244071, 2019-2022).

School: Memorial Sloan Kettering Cancer Center
Course Name: Quantitative Sciences Undergraduate Summer Research Experience (QSURE)
Hours: 10 weeks per summer, 2018-2019
Established and co-directed this summer program
Secured NIH R25 grant as MPI to sustain the program (R25CA214255, 2018-2023; contact PI during 2018 and 2019 prior to joining Rutgers)

School: Weill Cornell Medicine
Lecture Name: Introductory Bayesian Statistics
Hours: 1 lecture per year, 3 hours, 2003 – 2014

School: Purdue University
Course Name: Statistical methods for biology
Hours: 2 hours per week, 1/2001 – 5/2001

School: The Jackson Laboratory
Lecture Name: Experimental Design (part of short course listed below)
Course Name: Short course in mathematics in the analysis of complex traits (Course Director: Dr. Gary Churchill)
Hours: 2 hours per year, 1999 – 2007

B. Research Training (other than Primary Mentorship):

POSTGRADUATE DEGREE

Wenxuan Xiong, Biostatistics PhD Student, Rutgers School of Public Health
September 2021 – June 2022
Role: Project mentor
Project title: Effects of socioeconomic factors on cancer survival
Primary mentor: Jason Roy, Rutgers School of Public Health

Jie Li, Epidemiology PhD Student, Rutgers School of Public Health
January 2022 – present
Role: Member of doctoral committee
Primary mentor: Antoinette Stroup, Rutgers School of Public Health & NJ State Cancer Registry

APE/CAPSTONE / RESEARCH PROJECT

Natalia Gontarczyk Uczkowski, MPH Health Policy Student, Rutgers School of Public Health
March 2022 – present
Project topic: Breast cancer and microbiome – visualization methods for data obtained from systematic review

Prachi Trivedi, MPH Epidemiology Student, Rutgers School of Public Health
January 2023 – present
Project topic: Data collection approaches for the South Asian breast cancer survivor cohort study

Nilixa Raval, MPH Epidemiology Student, Rutgers School of Public Health
June 2022 – December 2022
Project topic: Breast cancer and microbiome – a systematic review

Marley Perlstein, MS Biostatistics Student, Rutgers School of Public Health
June 2022 – May 2023
Project topic: Gene-exposure interactions using polygenic risk scores – a multi-trait analysis of cognitive function in brain cancer patients

Martha Rivera, MS Biostatistics Student, Rutgers School of Public Health
January 2022 – August 2022
Project topic: Factors associated with physical activity use – analysis of data from the National Health Interview Survey

Sana Chawla, MS Health Outcomes, Policy and Economics Student, Rutgers School of Public Health
January 2021 – December 2022
Project topic: Patient-level and county-level factors associated with oral cancer stage – analysis of SEER data
Impact of capstone mentoring:
Winner, Rutgers School of Public Health Stanley S. Bergen Jr., MD, Medal of Excellence, 2023.
Poster presenter, American Association for Cancer Research Annual Conference, Orlando, FL, April 2023.

Oluwakanyinsola Olateru Olagbegi, MS Biostatistics Student, Rutgers School of Public Health
September 2021 – May 2022
Project topic: Prenatal sex steroid hormone concentrations in relation o neurodevelopment at age 12 months of age (joint with Dr. Emily Barrett)
Last Known Position: Biostatistician, Gene Therapy Program, University of Pennsylvania

James Keegan, MS Biostatistics Student, Rutgers School of Public Health
January 2022 – May 2022
Project topic: Predictive performance of Mammaprint genes in relation to overall survival in METABRIC samples
Last Known Position: Associate Biostatistician, ClinChoice Inc., PA

Rimsha Khan, MS Biostatistics Student, Rutgers School of Public Health
September 2021 – May 2022
Project topic: Diversity in early phase breast oncology trials
Last Known Position: Co-op Intern, Established Products, Janssen R&D, LLC, NJ

Jeet Bhavsar, MS Biostatistics Student, Rutgers School of Public Health
June 2021 – May 2022
Project topic: Gene-exposure interactions for etiology of nevi in children
Last Known Position: Data Scientist, The Feinstein Institutes, NY

Benny Tran, MS Biostatistics Student, Rutgers School of Public Health
June 2021 – December 2021
Project topic: Predicting breast cancer survival using clinical variables and Oncotype DX genomic score in METABRIC samples
Last Known Position: Epidemiologist, NJ State Department of Health, Cape May, NJ

Geetanjali Meka, MPH Epidemiology Student, Rutgers School of Public Health
January 2021 – present
Project topic: Disparity in median survival and follow-up times for multiple cancers
Last Known Position: Data Analyst, Abbott, San Francisco, CA

Radha Madhavi Ryali, MS, Rutgers School of Public Health
January 2021 – present
Project topic: Variation in lung cancer survival measures across US counties
Last Known Position: Senior Manager, Real World Evidence, Data Science, Department of Clinical Development and Outcomes Research, Novo Nordisk, Princeton, NJ.

Grace Kuo, MPH Student, Rutgers School of Public Health
June – December 2020
Project topic: Characteristics of HPV-associated cancers in South Asian Americans
Last Known Position: Clinical Scientist, Merck Inc., New York

Yuexi Liang, MPH Student, Rutgers School of Public Health
June 2020 – May 2021
Project topic: Visualization and exploratory analysis of Covid-19 data from India.
Last Known Position: Graduate student, Quantitative Biomedical Sciences, Dartmouth Giesel School of Medicine.

UNDERGRADUATE STUDENT

Lydia Lo, School of Engineering, Rutgers University
August 2020 – June 2021
Project topic: Factors associated with surgical treatment of breast cancer in South Asian versus non-Hispanic White women.
Current Position: Operations Industrial Engineer Trainee, US Postal Service, Springfield, MA

SUMMER INTERNS:

Christina Wassel, MS Student
Department of Statistics, Purdue University, West Lafayette, IN
June – August 2001
Internship topic: Gene expression data analysis
Last known position: Associate Professor, Dept. of Pathology & Laboratory Medicine, University of Vermont, Colchester, VT

Yvonne Owusu Sarpong, High School Student
Thurgood Marshall High School, The Bronx, NY
June – August 2001
Internship topic: Introductory data analysis and the biology of Fanconi Anemia
Last known position: Research Coordinator, Dept of Cardiothoracic Surgery, New York University Langone Cancer Center, New York, NY

Peter Majek, PhD Student
Tri-Institutional Program in Computational Biology
Cornell University, Ithaca, NY
June – August 2005
Internship topic: Array CGH analysis of prostate cancer cell lines
Last known position: Senior Bioinformatics Scientist, Ares Genetics, Austria

Derek Kenyenso, High School Student
York Preparatory School, New York, NY
June – August 2005
Internship topic: Exploratory analysis of gene expressions in recurrent and nonrecurrent prostate cancer
Last known position: Associate, Business Intelligence Reporting and Analytics, JP Morgan, New York, NY

Nyasha Chambwe, PhD Student
Tri-Institutional Program in Computational Biology
Cornell University, Ithaca, NY
June – July 2009
Internship topic: Poisson models for heterogeneity and excess zero counts – Application to the study of nevi in children
Last known position: Assistant Professor, Institute for Molecular Medicine, Feinstein Institutes for Medical Research, Northwell Health, New York, NY

Jeanne Li, High School Student
High School for Dual Language Asian Studies, New York, NY
June – August 2012
Internship topic: Transformation and linear regression – Application to the study of nevi in children
Impact of mentoring:
Winner, New York Times Scholarship, 2014: https://tinyurl.com/2u9jnepd
Last known position: Statistician, Beckton Dickinson and Company, Franklin Lakes, NJ

Ashley Haynes, Undergraduate Student
Hunter College, New York, NY
June – August 2013
Internship topic: Fundamental contributions of statistics to cancer prevention and intervention: Gene-environment interactions
Last known position: Laboratory Assistant, Memorial Sloan Kettering Cancer Center

Bingrou Zhou, MS Student
Department of Statistics, Purdue University, West Lafayette, IN
June – August 2014

Internship topic: Statistical methods for evaluating interactions incase-control studies
Last known position: Senior Machine Learning Scientist, Amazon Web Services (AWS), Seattle, WA

Ashrita Raman, High School Student
West Windson – Plainsboro High School, Plainsboro, NJ
June – August 2015
Internship topic: Application of statistical methods to SONIC baseline data: Using K-means clustering
Last known position: Software Engineering Analyst, BlackRock, New York, NY

Ariel Chernofsky, MS Student
Department of Biostatistics, Columbia University
June – August 2016 & June – August 2017
Internship topic: Model specification for over-dispersed count data
Last known position: Principal Biostatistician, Global Medical Affairs Biostatistics, Novartis, Cambridge, MA

Seher Ali, Undergraduate Student
City College of New York, New York, NY
June – August 2017
Internship topic: Introductory survival analysis using digitally extracted data
Last known position: Undergraduate student, City College of New York, New York, NY

Sara Larosiliere, Undergraduate Student
City College of New York, New York, NY
June – August 2018
Internship topic: The landscape of cancer in India
Notes: Co-mentored with Dr. Sujata Patil
Last known position: Medical student (class of 2025), Quinnipiac University, Hamden, CT

Sarah Szvetecz, Undergraduate Student
James Madison University
June – August 2018
Internship topic: Exploring different link functions for hierarchical clustering and their sensitivity to handling effects in microarray data
Notes: QSURE student Co-mentored with Dr. Li-Xuan Qin
Last known position: Research Scientist, Novartis Institute for Biomedical Research, Boston, MA

Srinivas Sunil, Undergraduate Student
Duke University, Durham, NC
June – August 2018
Internship topic: Multiple comparison issues and p-value adjustment for genome-wide studies: Applications in breast cancer genomics
Last known position: Quantitative Analyst, BlackRock, New York, NY

Juan Pablo Cayun Pellizaris, PhD Student
Faculty of Medicine, University of Chile, Santiago, Chile
November 2018 – February 2019
Internship topic: Statistical methods for evaluating predictive cancer biomarkers – Application in melanoma and colorectal cancer
Last known position: Real World Evidence (RWE) Consultant, IQVIA, Santiago, Chile

Yixuan (Sherry) Wu, Undergraduate Student
Georgetown University
June – August 2019

Internship topic: Roles of BRCA 1/2 mutations in breast cancer outcomes
Current position: Graduate Student, Data Science program, Stanford University, Palo Alto, CA

GRANT SUPPORT:

A. Principal Investigator

Active grant support as PI:

1. Rutgers Cancer Institute of New Jersey Cancer Health Equity Center of Excellence. Implementing and evaluating recruitment and data collection strategies for the Cancer Analytics and South Asian Health – Breast Cancer (CANSAH-BC) Pilot Study. 1/2023 – 12/2023. $97,974

2. NJ Alliance for Clinical and Translational Science. Harnessing socio-cultural similarities between diverse populations to evaluate the uptake of cancer screening in under-represented groups. 3/2023 – 2/2024. $40,000.

Prior grant support as PI:

3. National Cancer Institute (R01 CA197402; 40% effort; currently under no cost extension), Study of exposure and biomarkers in cancer epidemiology, 4/2016 – 12/2022, Year 1: $415,329, Year 2: $397,479, Years 3: $397,479, Year 4: $277,988.

4. National Cancer Institute (R25 CA244071, MPI; Contact PI: Dr. Sujata Patil, Cleveland Clinic Foundation; 12% effort), Building a statistics education program for preclinical cancer researchers, 9/2019 – 10/2022, Year 1: $114,475, Year 2: $114,475

5. NCATS. New Jersey Alliance for Clinical and Translational Science (UL1 TR003017; 0% effort. Support for graduate student). Statistical and computational methods for evaluating variation in survival across US counties for multiple cancers – The CanSur project. BERD Mini-Methods Grant. 9/2021 – 8/2022. $25,000.

6. Cancer Prevention and Control Program, Rutgers Cancer Institute of New Jersey (0% effort; support for equipment). Pilot funds to obtain saliva kits for biospecimen collection and to host survey on Redcap for the "Cancer Analytics and South Asian Health – Breast Cancer (CASH-BC)" study. $3,000. June 2020.

7. National Cancer Institute (R25 CA214255; Contact PI; Co-PI: Dr. Elena Elkin, Memorial Sloan Kettering Cancer Center; 10% effort during years 1 and 2), Quantitative sciences undergraduate research experience, 12/2017 – 8/2019, $117,558 (per year for 5 years; grant relinquished and offered as gift to Memorial Sloan Kettering Cancer Center upon move to Rutgers University and appointed new PIs at Memorial Sloan Kettering Cancer Center)

8. National Institutes of Health / Cornell CTSC (UL1 TR000457; Sub-Contract PI; 15% effort), Research Design and Biostatistics, 6/2012 – 8/2019, $86,223

9. National Cancer Institute (R13 CA203409, Contact PI; Co-PI: Dr. Sanjay Shete, MD Anderson Cancer Center; 0% effort – funds for supporting junior researchers and symposium expenses), Symposium on statistical and computational methods for pharmacogenetic epidemiology of cancer, 7/2016 – 6/2017, $20,000

10. National Cancer Institute (R13 CA168331, Contact PI; Co-PI: Dr. Sanjay Shete, MD Anderson Cancer Center; 0% effort – funds for supporting junior researchers and symposium expenses), Symposium on advances in statistical methods for cancer genetic epidemiology, 7/2013 – 11/2013, $22,500

11. National Cancer Institute (R01 CA137420; 40% effort), Study of exposures, behaviour and biomarkers in cancer epidemiology, 1/2009 – 4/2014, $1,550,074

12. National Institutes of Health / Cornell CTSC (Pilot Grant; UL1 RR024996; Co-PI with Dr. Kathy Zhou, Weill Cornell Medicine & Dr. Li-Xuan Qin, Memorial Sloan Kettering

Cancer Center; 10% effort), Statistical methods for improved assessment of molecular signature, 1/2008 – 1/2009, $83,333

13. National Institutes of Health (R01 GM060457; 40% effort), Two stage design for linkage disequilibrium, 1/2000 – 12/2003, $413,406

B. Co-Investigator

1. National Institute of Child Health and Human Development (R21 HD104558, Co-Investigator; PI: Stephanie Shiau; 2.5% effort), Leveraging NICHD DASH biospecimens to isolate the effects of HIV infection and HIV exposure on epigenetic profiles in infants, 9/2020 – 8/2022, $154,500 per year.

2. National Cancer Institute (R01 CA215136; PI: Blasberg; 5% effort), Imaging tumor and T cell responses to metabolic and immune modulation therapy, 6/2017 – 8/2019, $412,611

3. National Cancer Institute (R01 CA204924; PI: Blasberg/Ponomarev; 5% effort), Imaging immune modulation in chimeric antigen receptor (CAR) T cell therapy, 7/2016 – 8/2019, $383,492

4. Department of Defense (CDMRP W81XWH-17-1-0526; PI: Blasberg; 5% effort), Iron chelation enhances TAM and triple negative breast cancer cell death, 9/22017 – 8/2019, $147,197

5. Department of Defense (CDMRP W81XWH-15-1-0245; PI: Mao; 5% effort), Comparative effectiveness of acupuncture for chronic pain and comorbid conditions in veterans, 9/2014 – 8/2019, $516,634

6. National Cancer Institute (P30 CA008748; PI: Thompson; 5% effort), Cancer Center Support Grant, 1/2014 – 8/2019, $975,917

7. National Cancer Institute (R01 CA172846; PI: Blasberg & Koutcher; 5% effort), Imaging and targeting metastatic-prone breast cancer, 3/2013 – 8/2019, $327,040

8. National Cancer Institute (R01 CA158423; PI: Mao; 5% effort), Estrogen deprivation and aromatase inhibitor associated arthralgia, 4/2016 – 4/2017, $209,158

9. National Cancer Institute (R01 CA151947; PI: Qin; 5% effort), Statistical methods for normalizing microarrays in cancer biomarker studies, 3/2011 – 2/1016, $1,712,276

10. National Institutes of Health (R01 AR049342; PI: Halpern; 15% effort), The Framingham school nevus study, 9/2003 – 5/2015, $7,044,987

11. National Cancer Institute (R03 CA137824; PI: Engel; 10% effort), Pesticide use and breast cancer risk in large cohort of female agricultural workers, $189,600

12. National Cancer Institute (R03 CA141570; PI: Olson; 10% effort), Allergies and pancreatic cancer, 7/2009 – 6/2011, $189,600

13. National Institutes of Health (R01 ES014662; PI: Engel; 10% effort), Serum organochlorine levels and primary liver cancer, 8/2007 – 4/2010, $2,263,624

14. National Cancer Institute (R01 CA098438; PI: Begg; 20% effort), Epidemiologic parameters of rare cancer risk factors, 7/2003 – 6/2007, $839,396

15. National Cancer Institute (P50 CA92629; PI: Scardino; 10% effort), SPORE in prostate cancer, 9/2001 – 9/2009, $366,374 (total for Biostatistics Core)

16. National Cancer Institute (R01 CA82678; PI: Berwick; 10% effort), The risk of cancer in Fanconi anemia heterozygotes, 4/2001 – 12/2005, $1,712,276

17. National Cancer Institute (U01 CA84499; PI: Gerald; 10% effort), Molecular classification of prostate cancer, 9/1999 – 3/2006, $4,472,551

18. US Army (DAMD 17-97-1-7147; PI: Offit; 10% effort), Germline mutations of the ataxia-telangiectasia gene, ATM, as a risk factor for radiation-associated breast cancer, 1/1996 – 12/1996, $195,974

PUBLICATIONS:

A. Refereed Original Article in Journal

1. Amin, S, Collin LJ, Kavecansky J, Setoguchi S, **Satagopan JM**, Bandera EV. Sociodemographic disparities in targeted therapy in ovarian cancer in a national sample. *Frontiers in Oncology* (accepted for publication on April 24, 2023).

2. Amin S, Collin LJ, Setoguchi S, **Satagopan JM**, de Mertiens AB, Bandera EV. Neoadjuvant chemotherapy in ovarian cancer: Are there racial disparities in use and survival? *Cancer Epidemiology, Biomarkers and Prevention*, 32(2): 175-182, 2023.

3. Dutta D, Sen A, **Satagopan JM**. Sparse canonical correlation to identify breast cancer related genes regulated by copy number aberrations. *PLoS*, 17(12): e0276886, 2022.

4. Patil S and **Satagopan J.** Building and teaching a statistics curriculum for post-doctoral biomedical scientists at a free-standing cancer center. *CHANCE*, 35(1): 56-65, 2022.

5. Lo, L and **Satagopan JM**. Factors associated with surgery among South Asian American and non-Hispanic white women with breast cancer. *American Journal of Undergraduate Research*, 18(3): 15-23, 2021.

6. Tan KS, Elkin EB, **Satagopan JM**. A model for an undergraduate research experience program in quantitative sciences. *Journal of Statistics and Data Science Education* (accepted), 2021.

7. **Satagopan JM**, Stroup A, Kinney AY, Dharamdasani T, Ganesan S, Bandera EV. Breast cancer among Asian Indian and Pakistani Americans: A surveillance, epidemiology and end results-based study. *International Journal of Cancer*, 148(7): 1598-1607, 2021.

8. Mane MM, Cohen IJ, Ackerstaff E, Shalaby K, Ijoma JN, Ko M, Maeda M, Albeg AS, Vemuri K, **Satagopan, J**, Moroz A, Zurita J, Shenker L, Shindo M, Nickles T, Nikolov E, Moroz MA, Koutcher JA, Serganova I, Ponomarev I, Blasberg RG. Lactate Dehydrogenase A Depletion Alters MyC-CaP Tumor Metabolism, Microenvironment, and CAR T Cell Therapy. *Molecular Therapy-Oncolytics*, 18, pp.382-395, 2020.

9. Niehoff NM, Zabor EC, **Satagopan J**, Widell A, O'Brien TR, Zhang M, Rothman N, Grismund TK, van den Eeden SK, Engel LS. Prediagnostic serum polychlorinated biphenyl concentrations and primary liver cancer: A case-control study nested within two prospective cohorts. *Environmental Research*, doi: 10.1016/j.envres.2020.109690, 2020.

10. Werder EJ, Engel LS, **Satagopan J**, Blair A, Koutros S, Lerro CC, Alavanja MC, Sandler DP, Beane Freedman LE. Herbicide, fumigant, and fungicide use and breast cancer risk among farmers' wives. *Environmental Epidemiology*, 4(3), pp.e097, 2020.

11. Romero SAD, Su HI, **Satagopan J**, Li QS, Seluzicki CM, Dries A, DeMichele AM, Mao JJ. Clinical and genetic factors for aromatase inhibitor-associated arthralgia in breast cancer survivors. *Breast*, doi: 10.1016/j.breast.2019.10.008, 2020

12. Ni A, **Satagopan JM**. Estimating additive interaction effect in stratified case-control design. *Human Heredity*, doi: 10.1159/000502738, 2019.

13. Correa DD, **Satagopan J**, Martin A, Braun E, Kryza-Lacombe M, Cheung K, Sharma A, Dimitriadoy S, O'Connell K, Leong S, Karimi S, Lyo J, DeAngelis LM, Orlow I. Genetic

variants and cognitive functions in patients with brain tumors. *Neuro-Oncology*. doi: 10.1093/neuonc/noz094, 2019

14. Engel LS, Zabor EC, **Satagopan J**, Widell A, Rothman N, O'Brien TR, Zhang M, Van den Eeden SK, Grimsrud TK. Prediagnostic serum organochlorine insecticide concentrations and primary liver cancer: A case-control study nested within two prospective cohorts. *International Journal of Cancer*, doi: 10.1002/ijc.32175, 2018.

15. Serganova I, Cohen IJ, Vemuri K, Shindo M, Maeda M, Mane M, Moroz E, Khanin R, **Satagopan J**, Koutcher JA, Blasberg R. LDH-A regulates the tumor microenvironment via HIF-signaling and modulates the immune response. *PLoS One*, 13:e0203965, 2018.

16. Engel LS, Werder E, **Satagopan J**, Blair A, Hoppin JA, Koutros S, Lerro CC, Sandler DP, Alavanja MC, Beane Freeman LE. Insecticide use and breast cancer risk among farmers' wives in the Agricultural Health Study. *Environmental Health Perspective*, 125: 097002, 2017

17. Olson SH, **Satagopan J**, Xu Y, Ling L, Leong S, Orlow I, Saldia A, Li P, Nunes P, Madonia V, Allen PJ, O'Reilly E, Pamer E, Kurtz RC. The oral microbiota in patients with pancreatic cancer, patients with IPMNs, and controls: a pilot study. *Cancer Causes Control*, 28: 959-969, 2017

18. **Satagopan JM**, Iasonos A, Kanik J. A reconstructed melanoma data set for evaluating differential treatment benefit according to biomarker subgroups. *Data In Brief*, 12: 667-675, 2017

19. Devlin SM, **Satagopan JM**. Statistical interactions from a growth curve perspective. *Human Heredity*, 82: 21-36, 2017

20. **Satagopan JM**, Iasonos A. Measuring differential treatment benefit across marker specific subgroups: the choice of outcome scale. *Contemporary Clinical Trials*, 63: 40-50, 2017

21. Scope A, Marchetti MA, Marghoob AA, Dusza SW, Geller AC, **Satagopan JM**, Weinstock MA, Berwick M, Halpern AC. The study of nevi in children: Principles learned and implications for melanoma diagnosis. *Journal of the American Academy of Dermatology*, 75: 813 – 823, 2016

22. Iasonos A, Chapman PB, **Satagopan JM**. Quantifying treatment benefit in molecular subgroups to assess a predictive biomarker. *Clinical Cancer Research*, 22: 2114 – 2220, 2016

23. Correa DD, **Satagopan J**, Cheung K, Arora A, Kryza-Lacombe M*,* Xu Y, Karimi S, Lyo J, DeAngelis L, Orlow I. COMT, BDNF, and DTNBP1 polymorphisms and cognitive functions in patients with brain tumors. *Neuro Oncology*, 18: 1425 – 1433, 2016

24. **Satagopan JM**, Sen A, Zhou Q, Lan Q, Rothman N, Langseth H, Engel LS. Bayes and empirical Bayes methods for reduced rank regression models in matched case-control studies. *Biometrics*, 72: 584 – 595, 2015

25. **Satagopan JM**, Iasonos A, Zhou Q. Prognostic and predictive values and statistical interactions in the era of targeted treatment. *Genetic Epidemiology*, 39: 509 – 517, 2015

26. Starling AP, Engel LS, Calafat AM, Koutros, **Satagopan JM**, Yang G, Matthews CE, Cai Q, Buckley JP, Ji BT, Cai H, Chow WH, Zheng W, Gao YT, Rothman N, Xiang YB, Sho XO. Predictors and long-term reproducibility of urinary phthalate metabolites in middle-aged men and women living in urban Shanghai. *Environment International,* 84: 94 – 106, 2015

27. **Satagopan JM**, Oliveria SA, Arora A, Marchetti MA, Orlow I, Dusza SW, Weinstock MA, Scope A, Geller AC, Marghoob AA, Halpern AC. Sunburn, sun exposure, and sun sensitivity in the Study of Nevi in Children. *Annals of Epidemiology*, 25: 839 – 843, 2015

28. **Satagopan JM**, Olson SH, Elston RC. Statistical interactions and Bayes estimation of log odds in case-control studies. *Statistical Methods in Medical Research*. doi: 10.1177/0962280214567140, 2015

29. Orlow I, **Satagopan JM**, Berwick M, Enriquez HL, White KA, Cheung K, Dusza SW, Oliveria SA, Marchetti MA, Scope A, Marghoob AA, Halpern AC. Genetic factors associated with naevus count and dermoscopic patterns: preliminary results from the Study of Nevi in Children (SONIC). *British Journal of Dermatology*, 172: 1091-1089, 2014

30. Correa DD, **Satagopan J**, Baser RE, Cheung K, Richards E, Lin M, Karimi S, Lyo J, DeAngelis LM, Orlow I. APOE polymorphisms and cognitive functions in patients with brain tumors. *Neurology*, 83: 320-327, 2014

31. Qin LX, Zhou Q, Bogomolniy F, Villafania L, Olvera N, Cavatore M, **Satagopan JM**, Begg CB, Levine DA. Blocking and normalization to improve molecular biomarker discovery. *Clinical Cancer Research*, 20: 3371-3378, 2014

32. Oliveria SA, Scope A, **Satagopan JM**, Geller AC, Dusza SW, Weinstock MA, Berwick M, Bishop M, Marghoob AA, Halpern AC. Factors associated with nevus volatility in early adolescence. *Journal of Investigative Dermatology*, 134: 2469-2471, 2014

33. Engel LS, Buckley JP, Yang G, Liao LM, **Satagopan J**, Calafat AM, Matthews CE, Cai Q, Ji BT, Cai H, Engel SM, Wolff MS, Rothman N, Zheng W, Xiang YB, Shu XO, Gao YT, Chow WH. Predictors and variability of repeat measurements of urinary phenols and parabens in a cohort of Shanghai women and men. *Environmental Health Perspectives*, 122: 733-740, 2014

34. Engel LS, **Satagopan J**, Sima CS, Orlow I, Mujumdar U, Coble J, Roy P, Yoo S, Sandler DP, Alavanja MC. Sun exposure, vitamin D receptor genetic variants, and risk of breast cancer in the Agricultural Health Study. *Environmental Health Perspectives*, 122: 165-171, 2013

35. Olson SH, Hsu M, **Satagopan JM**, Maisonneuve P, Silverman DT, Lucenteforte E, Anderson KE, Borgida A, Bracci PM, Bueno-de-Mesquita HB, Cotterchio M, Dai Q, Duell EJ, Fontham EH, Gallinger S, Holly EA, Ji BT, Kurtz RC, La Vecchia C, Lowenfels AB, Luckett B, Ludwig E, Petersen GM, Polesel J, Seminara D, Strayer L, Talamini R; Pancreatic Cancer Case-Control Consortium. Allergies and risk of pancreatic cancer: A pooled analysis from the Pancreatic Cancer Case-Control Consortium. *American Journal of Epidemiology*, 178: 691-700, 2013

36. Yoshioka T, Otero J, Chen Y, Kim YM, Koutcher JA, **Satagopan J**, Reuter V, Carver B, de Stanchina E, Enomoto K, Greenberg NM, Scardino PT, Scher HI, Sawyers CL, Giancotti FG. β4 Integrin signaling induces expansion of prostate tumor progenitors. *Journal of Clinical Investigation*, 123: 682-699, 2013

37. **Satagopan JM**, Elston RC. Evaluation of removable statistical interaction for binary traits. *Statistics in Medicine*, 32: 1164-1190, 2013

38. Engel LS, Orlow I, Sima CS, **Satagopan J**, Mujumdar U, Roy P, Yoo S, Sandler DP, Alavanja MC. Vitamin D receptor gene haplotypes and polymorphisms and risk of breast cancer: a nested case-control study. *Cancer Epidemiology Biomarker and Prevention*, 21: 1856-1867, 2012

39. Dusza SW, Halpern AC, **Satagopan JM**, Oliveria SA, Weinstock MA, Scope A, Berwick M, Geller AC. Prospective study of sunburn and sun behavior patterns during adolescence. *Pediatrics*, 129: 309-317, 2012

40. Brooks JD, Teraoka SN, Reiner AS, **Satagopan JM**, Bernstein L, Thomas DC, Capanu M, Stovall M, Smith SA, Wei S, Shore RE, Boice JD, Lynch CF, Mellemkjaer L, Malone KE, Liang X, The Wecare Study Collaborative Group, Haile RW, Concannon P, Bernstein JL. Variants in activators and downstream targets of ATM, radiation exposure, and contralateral breast cancer risk in the WECARE study. *Human Mutation*, 33: 158 – 164, 2012

41. Scope A, Dusza SW, Marghoob AA, **Satagopan JM**, Braga C, Tavoloni J, Psaty EL, Weinstock MA, Oliveria SA, Bishop M, Geller AC, Halpern AC. Clinical and dermoscopic stability and volatility of melanocytic nevi in a population-based cohort of children in Framingham school system. *Journal of Investigative Dermatology*, 131: 1615 – 1621, 2011

42. **Satagopan JM**, Zhou Q, Oliveria SA, Dusza SW, Weinstock MA, Berwick M, Halpern AC. Properties of preliminary test estimators and shrinkage estimators for evaluating multiple risk factors – Application to questionnaire data from the SONIC study. *Journal of the Royal Statistical Society Series C (Applied Statistics)*, 60: 619 – 632, 2011

43. Rose AE, **Satagopan JM**, Oddoux C, Zhou Q, Xu R, Olshen AB, Yu JZ, Dash A, Jean-Gilles J, Reuter V, Gerald WL, Lee P, Osman I. Copy number and gene expression differences between African American and Caucasian American prostate cancer. *Journal of Translational Medicine*, 8:70, 2010

44. Fine SW, Gopalan, Leversha MA, Al-Ahmadie HA, Tickoo SK, Zhou Q, **Satagopan JM**, Scardino PT, Gerald WL, Reuter VE. TMPRSS2-ERG gene fusion is associated with low Gleason scores and not with high-grade morphological features. *Methods in Pathology*, 23: 1325 – 1333, 2010

45. Wang L, Zou X, Berger AD, Twiss C, Peng Y, Li Y, Chiu J, Guo H, **Satagopan J**, Wilton A, Gerald W, Basch R, Wang Z, Osman I, Lee P. Increased expression of histone deacetylaces (HDACs) and inhibition of prostate cancer growth and invasion by HDAC inhibitor SAHA. *American Journal of Translational Research*, 91: 62-71, 2009

46. Mensah NY, Peterlongo P, Steinhertz P, Pamer EG, **Satagopan J**, Papanicolaou GA. Toll-like receptor 4 polymorphisms and risk of gram-negative bacteremia after allogeneic stem cell transplantation. A prospective pilot study. *Biol Blood Marro Transplant*, 15: 1130-1133, 2009

47. Qin LX, **Satagopan JM**. Normalization method for transcriptional studies of heterogeneous samples – simultaneous array normalization and identification of equivalent expression. *Statistical Applications in Genetics and Molecular Biology*, Volume 8, Article 1, 2009

48. Gopalan A, Leversha MA, **Satagopan JM**, Zhou Q, Al-Ahmadie HA, Fine SW, Eastham JA, Scardino PT, Scher HI, Tickoo SK, Reuter VE, Gerald WL. TMPRSS2-ERG gene fusion is not associated with outcome in patients treated by prostatectomy. *Cancer Research*, 69: 1400-1406, 2009

49. Oliveria SA, **Satagopan JM**, Geller AC, Dusza SW, Weinstock MA, Berwick M, Bishop M, Heneghan MK, Halpern AC. Study of nevi in children (SONIC): Baseline findings and predictors of nevus count. *American Journal of Epidemiology*, 169: 41-53, 2009

50. Scope A, Marghoob AA, Dusza SW, **Satagopan JM**, Agero AL, Benvenuto-Andrade C, Lieb JA, Weinstock MA, Oliveria SA, Geller AC, Halpern AC. Dermoscopic patterns of naevi in fifth grade children of the Framingham school system. *British Journal of Dermatology*, 158: 1041-1049, 2008

51. Dash A, Lee P, Zhou Q, Jean-Gilles J, Taneja S, **Satagopan J**, Reuter V, Gerald W, Eastham J, Osman I. Impact of Socioeconomic Factors on Prostate Cancer Outcomes in Black Patients Treated with Surgery. *Urology*, 72: 641-646, 2008

52. Olshen AB, Gold B, Lohmueller KE, Struewing JP, **Satagopan J**, Stefanov SA, Eskin E, Kirchhoff T, Lautenberger JA, Klein RJ, Friedman E, Norton L, Ellis NA, Viale A, Lee CS, Borgen PI, Clark AG, Offit K, Boyd J. Analysis of genetic variation in Ashkenazi Jews by high density SNP genotyping. *BMC Genetics*, 5: 9-14, 2008

53. Baum AE, Akula N, Cabanero M, Cardona I, Corona W, Klemens B, Schulze TG, Cichon S, Rietschel M, Nothen MM, Georgi A, Schumacher J, Schwarz M, Abour Jamra R, Hofels S, Propping P, **Satagopan J**, Detra-Wadleigh SD, Hardy J, McMahon FJ. A genome-wide association study implicates diacylglyceron kinase eta (DGKH) and several other genes in the etiology of bipolar disorder. *Molecular Psychiatry*, 13: 197-207, 2008

54. Berwick M*, **Satagopan JM***, Ben-Porat L*, Carlson A, Mah K, Henry R, Diotti R, Milton L, Pujara K, Landers T, Dev Batish S, Morales J, Schindler D, Hanenberg H, Hromas R, Levran O, Auerbach AD. Genetic heterogeneity among Fanconi anemia heterozygotes and risk of cancer. *Cancer Research*, 67: 9591-9596, 2007 **(The first three authors contributed equally to this paper)**

55. **Satagopan JM**, Sen S, Churchill GA. Sequential quantitative trait locus mapping in experimental crosses. *Statistical Applications in Genetics and Molecular Biology*, 6: Article 12, 2007

56. Sen S, **Satagopan JM**, Broman K, Churchill GA. R/qtlDesign: Inbred line cross experimental design. *Mammalian Genome*, 18: 87-93, 2007

57. Ryan CJ, Smith A, Lal P, **Satagopan J**, Reuter V, Scardino P, Gerald W, Scher HI. Persistent prostate-specific antigen expression after neoadjuvant androgen depletion: an early predictor of relapse or incomplete androgen suppression. *Urology*, 68: 834-839, 2006

58. Maluf FC, Cordon-Cardo C, Verbel DA, **Satagopan JM**, Boyle MG, Herr H, Bajorin DF. Assessing interactions between mdm-2, p53, and bcl-2 as prognostic variables in muscle-invasive bladder cancer treated with neo-adjuvant chemotherapy followed by locoregional surgical treatment. *Annals of Oncology*, 17: 1677-1686, 2006

59. Douglas DA, Zhong H, Ro JY, Oddoux C, Berger A, Pincus MR, **Satagopan JM**, Gerald WL, Scher HI, Lee P, Osman I. Novel mutations of the epidermal growth factor receptor in localized prostate cancer. *Frontiers in Bioscience*, 11:2518-2525, 2006

60. Berger AD, **Satagopan J**, Lee P, Taneja SS, Osman I. Differences in clinicopathologic features of prostate cancer between black and white patients treated in the 1990s and 2000s. *Urology*, 67:120-124, 2006

61. Kesh S, Mensah NY, Peterlongo P, Jaffe D, Hsu K, van den Brink M, O'reilly R, Pamer E, **Satagopan J**, Papanicolaou GA. TLR1 and TLR6 polymorphisms are associated with susceptibility to invasive aspergillosis after allogeneic stem cell transplantation. *Annals of the New York Academy of Sciences*, 1062:95-103, 2005

62. Stephenson AJ, Smith A, Kattan MW, **Satagopan J**, Reuter VE, Scardino PT, Gerald WL. Integration of gene expression profiling and clinical variables to predict prostate cancer recurrence after radical prostatectomy. *Cancer*, 104:290-298, 2005

63. Sen S, **Satagopan JM**, Churchill GA. Quantitative trait locus study design from an information perspective. *Genetics*, 170:447-464, 2005

64. Shaffer DR, Viale A, Ishiwata R, Leversha M, Olgac S, Manova K, **Satagopan J**, Scher H, Koff A. Evidence for a p27 tumor suppressive function independent of its role regulating cell proliferation in the prostate. *Proc Natl Acad Sci*, 102:210-215, 2005

65. Shuch B, Mikhail M, **Satagopan J**, Lee P, Yee H, Chang C, Cordon-Cardo C, Taneja S, Osman I. Racial disparity of epidermal growth factor receptor expression in prostate cancer. *J Clin Oncol*, 22:4725-4728, 2004

66. **Satagopan JM**, Ben-Porat L, Berwick M, Robson ME, Kutler DI, Auerbach AD. A note on competing risks in survival data analysis. *Br J Cancer*, 91: 1229-1235, 2004

67. **Satagopan JM**, Venkatraman ES, Begg CB. Two-stage designs for gene-disease association studies with sample size constraints. *Biometrics*, 60: 589-597, 2004

68. Wagner JE, Tolar J, Levran O, Scholl T, Deffenbaugh A, **Satagopan J**, Ben-Porat L, Mah K, Batish SD, Kutler DI, MacMillam ML, Hanenberg H, Auerbach AD. Germline mutation in BRCA2: Shared genetic susceptibility to breast cancer, early onset leukemia and Fanconi anemia. *Blood*, 103: 3226-3229, 2004

69. Kirchhoff T, **Satagopan JM**, Kauff ND, Huang H, Kolachana P, Rapaport H, Nafa K, Ellis NA, Offit K. Frequency of BRCA1 and BRCA2 mutations in unselected Ashkenazi Jewish patients with colorectal cancer. *J Natl Cancer Inst*, 96: 68-70, 2004

70. Holzbeierlein J, Lal P, LaTulippe E, Smith A, **Satagopan J**, Zhang L, Ryan C, Smith S, Scher H, Scardino P, Reuter V, Gerald WL. Gene expression analysis of human prostate carcinoma during hormonal therapy identifies androgen-responsive genes and mechanisms of therapy resistance. *Am J Pathol*, 164: 217-227, 2004

71. Robson ME, Chappuis PO, **Satagopan J**, Wong N, Boyd J, Goffin JR, Hudis C, Roberge D, Norton L, Begin LR, Offit K, Foulkes WD. A combined analysis of outcome following breast cancer: differences in survival based on BRCA1 / BRCA2 mutation status and administration of adjuvant treatment. *Breast Cancer Res*, 6: R8-R17, 2004

72. Kutler DI, Wreesmann VB, Goberdhan A, Ben-Porat L, **Satagopan J**, Ngai I, Huvos AG, Giampietro P, Levran O, Pujara K, Diotti R, Carlson D, Huryn LA, Auerbach AD, Singh B. Human papillomavirus DNA and p53 polymorphisms in squamous cell carcinomas from Fanconi Anemia patients. *J Natl Cancer Inst*, 95: 1718-1721, 2003

73. **Satagopan JM**, Elston RC. Optimal two-stage genotyping in population-based association studies. *Genet Epidemiol*, 25: 149-157, 2003

74. Ulaner GA, Hung H-Y, Otero J, Zhao Z, Ben-Porat L, **Satagopan JM**, Gorlick R, Meyers P, Healey JH, Huvos AG, Hoffman AR, Ladanyi M. Absense of telomere maintenance mechanism as a favorable prognostic factor in patients with osteosarcoma. *Cancer Res*, 63: 1759-1763, 2003

75. Yossepowitch O, Olvera N, **Satagopan JM**, Huang H, Jhanwar S, Ben-Porat L, Rapaport B, Boyd J, Offit K. BRCA1 and BRCA2 germline mutations in lymphoma patients. *Leuk Lymphoma*, 44: 127-131, 2003

76. Hamlin PA, Zelenetz AD, Kewalramani T, Qin J, **Satagopan JM**, Verbel D, Noy A, Portlock CS, Straus DJ, Yahalom J, Nimer SD, Moskowitz CH. The second-line age-adjusted prognostic index (sAAIPI) predicts autologous stem cell transplant (ASCT) outcome for patients with relapsed or primary refractory diffuse large B-cell lymphoma. *Blood*, 102: 1989-1996, 2003

77. **Satagopan JM**, Smith AD. Statistical methods in genomics research. *Heart Drug*, 3: 48-60, 2003

78. **Satagopan JM**, Panageas KS. A statistical perspective on gene expression data analysis. *Stat Med*, 22: 481-499, 2003

79. Offit K, Pierce H, Kirchhoff T, Kolachana P, Rapaport B, Gregersen P, Johnson S, Yosspowitch O, Huang H, **Satagopan J**, Robson M, Scheuer L, Nafa K, Ellis N. Frequency of CHEK2*1100delC in New York breast cancer cases and controls. *BMC Med Genet*, 4:1, 2003

80. Kutler DI, Singh B, **Satagopan JM**, Berwick M, Giampietro PF, Auerbach AD. A 20 year perspective of the International Fanconi Anemia Registry (IFAR). *Blood*, 101: 1249-1256, 2003

81. Kutler DI, Auerbach AD, **Satagopan JM**, Giampietro PF, Batish SD, Shah JP, Singh B. High incidence of head and neck squamous cell carcinoma (HNSCC) in patients with Fanconi anemia (FA). *Archives of Otolaryngol*, 129: 106-112, 2003

82. Gruber SB, Ellis NA, Scott KK, Almog R, Kolachana P, Bonner JD, Kirchhoff T, Tomsho LP, Nafa K, Pierce H, Low M, **Satagopan J**, Rennert H, Huang H, Greenson JK, Groden J, Rapaport B, Shia J, Johnson S, Gregersen PK, Harris CC, Boyd J, Rennert G, Offit K. BLM heterozygosity and the risk of colorectal cancer (Brevia). *Science*, 297: 2013, 2002

83. **Satagopan JM**, Boyd J, Kauff N, Robson M, Scheuer, L, Narod S, Offit KE. Ovarian cancer risk in Ashkenazi Jewish carriers of BRCA1 and BRCA2 mutations. *Clin Cancer Res*, 8: 3776-3781, 2002

84. Offit K, Gilad S, Paglin S, Kolachana P, Roisman L, Nafa K, Yeugelewitz V, Gonzales M, Robson M, McDermott D, Pierce H, Kauff N, Einat P, Jhanwar S, **Satagopan J**, Oddoux C, Ellis N, Skaliter R, Yahalom J. Rare variants of ATM and risk for Hodgkin's disease and radiation-associated breast cancers. *Clin Cancer Res*, 8: 3813-3819, 2002

85. LaTulippe E, **Satagopan JM**, Smith A, Scher H, Scardino P, Reuter V, Gerald WL. Comprehensive gene expression analysis of prostate cancer reveals distinct transcriptional programs associated with metastatic disease. *Cancer Res*, 62: 4499-4506, 2002

86. Kauff ND, **Satagopan JM**, Scheuer L, Robson ME, Castiel M, Hensley M, Hudis CA, Ellis NA, Boyd J, Borgen PI, Barakat RR, Norton L, Offit K. Risk-reducing salpingo-oophorectomy in women with BRCA1 and BRCA2 mutations. *N Eng J Med*, 346: 1609-1615, 2002

87. **Satagopan JM**, Verbel DA, Venkatraman ES, Offit KE, Begg CB. Two-stage designs for gene-disease association studies. *Biometrics*, 58: 163-170, 2002

88. Scheuer L, Kauff N, Robson M, Kelly B, Barakat R, **Satagopan J**, Ellis N, Hensley M, Boyd J, Borgen P, Norton L, Offit K. Outcome of preventive surgery and screening for breast and ovarian cancer in BRCA mutation carriers. *J Clin Oncol*, 20: 1260-1268, 2002

89. **Satagopan JM**, Offit K, Foulkes W, Robson ME, Wacholder S, Eng CM, Karp SE, Begg CB. The lifetime risk of breast cancer in Ashkenazi Jewish carriers of BRCA1 and BRCA2 mutations. *Cancer Epidemiol Biomarkers Prev*, 10: 467-473, 2001

90. Levine DA, Lin O, Barakat RR, Robson ME, McDermot D, Cohen L, **Satagopan J**, Offit K, Boyd J. Risk of endometrial carcinoma associated with BRCA mutation. *Gynecol Oncol*, 80: 395-398, 2001

91. Robson M, Levin D, Federici M, **Satagopan J**, Bogolminyi F, Heerdt A, Borgen P, McCormick B, Hudis C, Norton L, Boyd J, Offit K. Breast conservation therapy for invasive breast cancer in Ashkenazi Jewish women with BRCA gene founder mutations. *J Natl Cancer Inst*, 91: 2112-2117, 1999

92. Pasche B, Kolachana P, Nafa K, **Satagopan J**, Chen YG, Lo RS, Brener D, Yang D, Kirstein L, Oddoux C, Ostrer H, Jhanwar S, Luzzatto L, Massague J, Offit K. TβR-I(6A) is a candidate tumor susceptibility allele. *Cancer Res*, 59: 5678-5682, 1999

93. Cheung IY, Cheung N-KV, Ghossein RA, **Satagopan JM**, Bhattacharya S, Coit DG. Association between molecular detection of GAGE and survival in patients with malignant melanoma: a retrospective cohort study. *Clin Cancer Res*, 5: 2042-2047, 1999

94. Redston M, Nathanson KL, Yuan ZQ, Neuhausen SL, **Satagopan J**, Wong N, Yang D, Nafa D, Abrahamson J, Ozcelik H, Antin-Ozerkis D, Andrulis I, Daly M, Pinsky L, Schrag D, Gallinger S, Kaback M, King MC, Woodage T, Brody LC, Godwin A, Warner E, Weber B, Foulkes W, Offit K. The APC I1307K allele and breast cancer risk (Letter). *Nat Genet*, 20: 13-14, 1998

95. Pasche B, Luo Y, Rao PH, Nimer SD, Dimitrovsky E, Caron P, Luzzatto L, Offit K, Cordon-Cardo C, Renault B, **Satagopan JM**, Murty VVVS, Massague J. The type I TGF-β receptor maps to 9q22 and exhibits a polymorphism and a rare variant with a polyalanine tract. *Cancer Res*, 58: 2727-2732, 1998

96. Begg CB, **Satagopan JM**, Berwick M. A new strategy for evaluating the impact of epidemiologic risk factors for cancer with application to melanoma. *J Amer Stat Assoc*, 93: 415-426, 1998

97. **Satagopan JM**, Yandell BS, Newton MA, Osborn TC. A Bayesian approach to detect quantitative trait loci via Markov chain Monte Carlo. *Genetics*, 144: 805-816, 1996

98. Teutonico RA, Ferreira ME, **Satagopan JM**, Yandell BS, Palta JP, Osborn TC. Genetic analysis and mapping of genes controlling freezing tolerance in oilseed. *Molecular Breeding*, 1: 329-339, 1995

99. Ferreira ME, **Satagopan JM**, Yandell BS, Williams PH, Osborn TC. Mapping quantitative loci controlling vernalization requirement and flowering time in Brassica napus. *Theor Appl Genet*, 90: 727-732, 1995

B. Books, Monographs and Chapters

1. **Satagopan JM**, Mazumdar M. Team science in biostatistical collaboration: An opportunity to practice leadership, embrace diversity, manage conflict and share credit. In: Golbeck AL (eds) *Leadership and Diversity in Statistics and Data Science*, Springer. https://doi.org/10.1007/978-3-030-60060-0_4, 2021.

2. Elston RC, **Satagopan JM**, Sun S (Editors). *Statistical Human Genetics: Methods and Protocols (Methods in Molecular Biology).* Springer, New York. ISBN 1617795542, 2011.

C. **Patents Held**: NONE

D. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional Communications

1. **Satagopan JM**. Review of "Case-Control Studies by Ruth H. Keogh and D. R. Cox, Cambridge University Press". *International Statistical Review*, 83: 513 – 515, 2015.

Non-peer reviewed science communication

1. **Satagopan JM** (2022). Breast Cancer. *Ananda Sangbad* (a South Asian community newspaper in New Jersey). Published in print form during October 2022 (Q3). Online upload pending availability of volunteer IT members of *Ananda Sangbad*. Newspaper URL: https://tinyurl.com/y5n9yc74

2. **Satagopan JM** (2022). Museum Exhibit: The History of Cancer. *The Cancer History Project, The Cancer Letter*. October 20, 2022. https://cancerhistoryproject.com/article/museum-exhibit-the-history-of-cancer/

3. **Satagopan JM (2023).** Cancer as Egyptians knew and understood it. *The Cancer History Project, The Cancer Letter.* April 6, 2022. https://cancerhistoryproject.com/article/cancer-as-ancient-egyptians-knew-and-understood-it/

PRESENTATIONS:

A. Scientific

Invited Scientific Presentations: (titles provided for presentations given since 2002)

1. "Statistical and computational investigations in breast cancer – personal musings with two examples". National Statistics Day Webinar (virtual), Department of Statistics, University of Kerala, Trivandrum, Kerala, India. June 2023

2. "Statistical and computational investigations in breast cancer – personal musings". Research seminar (virtual), Department of Epidemiology and Biostatistics, University of Illinois, Chicago. April 2023

3. "South Asian breast cancer study", Webinar on Recent Trends in Statistical Theory and Applications, Department of Statistics, University of Kerala, Trivandrum, Kerala, India. July 2022

4. "Breast cancer in Asian Indian and Pakistani American women". Research seminar (virtual), Department of Mathematics and Statistics. University of Maryland, Baltimore County. April 2022

5. "Breast cancer in Asian Indian and Pakistani American women". Research seminar (virtual) School of Statistics, Biostatistics, and Actuarial Sciences, University Catholique de Louvain, Brussels, Belgium (virtual talk). March 2022

6. "Estimating and interpreting gene-exposure interactions in medical studies". Keynote Talk. International Conference on Data Science and Information Processing (virtual). University of Kerala, Thiruvananthapuram, Kerala, India. November 2021

7. "Harnessing R graphical tools for effective data visualization using overlays and insets". Lightning Talk (virtual), R Ladies, New York City, NY. October 2021

8. "Breast cancer among South Asian American women – A SEER-based study". Biostatistics seminar (virtual), Department of Biostatistics, Vanderbilt University. April 2021

9. "Breast cancer among South Asian Americans – Data gaps in risk factors and follow-up". Fourth National Seminar on Recent Trends in Statistical Theory and Applications – 2020 (virtual). University of Kerala, Trivandrum, India. June 2020

10. "Data gaps in South Asian American health". Center for Cancer Health Equity Annual Retreat – Lightning Talk (virtual), Rutgers School of Public Health and Rutgers Cancer Institute of New Jersey, New Brunswick, NJ. June 2020

11. "Breast cancer among South Asians living in the United States". Cancer Prevention and Control Program Seminar (virtual), Rutgers Cancer Institute of New Jersey, New Brunswick, NJ. May 2020

12. "Measuring inter-individual variation in risk due to genetic factors and exposure – Application in epidemiology of nevi", iBRIGHT Conference, MD Anderson Cancer Center, Houston, TX. Novembers 2019

13. "Introduction to biostatistics", Rutgers CTSA-BERD Workshop, New Brunswick, NJ. November 2019

14. "Evaluation of interactions in clinical and molecular epidemiology studies". Quantitative Life Sciences Program, McGill University, Montreal, Canada. November 2019

15. "Implementing a responsible conduct of research curriculum for an undergraduate summer research experience program". Plenary talk, International Cancer Education Conference, Salt Lake City, UT. September 2019

16. "Statistical investigation of risk factors for nevi in children". Nokia Bell Labs Women in STEM Lecture Series, Murray Hill, NJ. November 2018

17. "Digital data extraction using R and other tools". RLadies NYC, Lightning Talk Public Lecture Series, New York, NY. June 2018

18. "Data resources for statistics research in cancer epidemiology applications". Fourth International Conference on Statistics for the Twenty-First Century, Trivandrum, Kerala, India. December 2018

19. "Bayes and empirical Bayes methods for evaluating cancer risk factors in matched case-control studies". Third International Conference on Statistics for the Twenty-First Century, Trivandrum, Kerala, India. December 2017

20. "Evaluation of removable statistical interactions". Second International Conference on Statistics for the Twenty-First Century, Trivandrum, Kerala, India. December 2016

21. "Quantifying Treatment Benefit in Molecular Subgroups to Assess a Predictive Biomarker", Joint Statistical Meetings, Chicago. August 2016

22. “Tumor/risk growth models and statistical interactions: Implications for preventive intervention and treatment”, AACR Conference, New Orleans, LA. April 2016

23. “Additive models for evaluating predictive biomarkers in cancer epidemiology studies”. ENAR Conference, Austin, TX. April 2016

24. “Prognostic and Predictive Values and Statistical Interactions in the Era of Personalized Medicine”, Joint Statistical Meetings, Seattle, WA. August 2015

25. “Improved Evaluation of Cancer Risk Factors via Dimension Reduction Techniques”, Icahn School or Medicine at Mount Sinai, New York, NY. October 2015

26. “Bayesian penalized regression methods for reduced rank regression – Application in non-Hodgkin’s lymphoma”, Department of Epidemiology and Biostatistics, Case Western Reserve University, OH. February 2015

27. “Bayesian Penalized Regression Methods for Matched Case-Control Data”, Joint Statistical Meetings, Boston, MA. August 2014

28. “Statistical methods for evaluating gene-exposure interactions”, Pancreatic Cancer Case-Control Consortium (PANC4) Meeting, The Johns Hopkins University, Baltimore, MD. October 2013

29. “Statistical Interactions, Link Functions, and Bayes Estimation of Log Odds for Case-Control Studies”, Joint Statistical Meetings, Montreal, Canada. August 2013

30. “Evaluation of removable statistical interactions for binary traits”, The First Mid-Atlantic Genetic Epidemiology Symposium, University of Pennsylvania, Philadelphia, PA. June 2013

31. “Evaluation of removable statistical interactions for binary traits”, Department of Statistics, Purdue University, West Lafayette, IN. April 2013

32. “Evaluation of removable statistical interactions for binary traits”, Department of Epidemiology and Biostatistics, University of New Mexico, Albuquerque, NM. May 2012

33. “Evaluation of removable statistical interactions for binary traits”, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Washington DC. February 2012

34. “Properties of preliminary test estimators and shrinkage estimators for evaluating multiple risk factors”, Conference on Statistical Models and Methods for the Modern World, Colombo, Sri Lanka. December 2011.

35. “Properties of preliminary test estimators and shrinkage estimators for evaluating multiple risk factors”, Department of Epidemiology, MD Anderson Cancer Center, TX. September 2011

36. “Properties of preliminary test estimators and shrinkage estimators for evaluating multiple risk factors”, Genetic Epidemiology and Risk Assessment Program, Mayo Clinic, Rochester, MN. October 2010

37. “Properties of preliminary test estimators and shrinkage estimators for evaluating multiple risk factors”, Department of Epidemiology and Biostatistics, University of Pennsylvania, Philadelphia, PA. March 2010

38. “On evaluating routes of exposures in questionnaire studies using penalized regression”, Department of Health Care Management, Chung Gung Medical University, Taoyuan, Taiwan. November 2009.

39. “On evaluating routes of exposures in questionnaire studies using penalized regression”, Department of Epidemiology and Biostatistics, Case Western Reserve University, Cleveland, OH. March 2009

40. “Sequential design and analysis of tumor biology studies”, AACR Conference on the Analysis of Complex Pathways in Molecular Epidemiology, Santa Ana Pueblo, NM. May 2007

41. “Sequential quantitative trait assessment in experimental crosses”, Albert Einstein College of Medicine, The Bronx, NY. April 2007

42. “Sequential genotyping designs”, National German Genome Research Foundation, University of Bonn, Germany. April 2006

43. “Sequential genotyping designs”, MolPage Workshop, University of Pavia, Italy. March 2006

44. “Two-stage genotyping”, Workshop on Whole-genome Association Studies, University of Southern California, Los Angeles, CA. April 2005

45. “Two-stage genotyping”, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Bethesda, MD. October 2004

46. “Lifetime risk of ovarian cancer in Ashkenazi Jewish carriers of BRCA mutation”, Department of Epidemiology, University of Texas M.D. Anderson Cancer Research Center, Houston, TX. June 2004

47. “Two-stage designs for genome-wide association studies”, Department of Statistics, Ohio State University, Columbus, OH. March 2004

48. “Two-stage designs for genome-wide association studies”, Department of Biostatistics, University of Alabama, Birmingham, AL. February 2003

49. “Two-stage designs for genome-wide association studies”, Gordon Research Conference, Ventura, CA. November 2002

50. “Sequential genotyping designs for high throughput studies”, Department of Statistics, University of Georgia, Athens, GA. October 2002

51. “Sequential genotyping designs for high throughput studies”, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania, Philadelphia, PA. March, 2002

52. Microarray Working Group Seminar, Purdue University, West Lafayette, IN, April, 2001

53. Department of Statistics, Purdue University, West Lafayette, IN, November, 2000

54. Laboratory of Statistical Genetics, The Rockefeller University, New York, NY, 2000.

55. Tri-Institutional Computational Biology Meeting, Cornell University, Ithaca, NY, 2000

56. Department of Epidemiology and Public Health, Yale University, New Haven, CT, 1999

57. Department of Preventive Medicine, New Jersey Medical School, Newark, NJ, 1999

58. Joint Statistical Meetings, Anaheim, CA, 1997

59. Department of Statistics, Bell Laboratories, Lucent Technologies, 1997

60. Department of Statistics, Purdue University, West Lafayette, IN, 1997

Contributed Scientific Presentations

1. “Breast Cancer Among Asian Indian and Pakistani Women in the US: A SEER-Based Study”, Joint Statistical Meetings, Virtual Conference (originally scheduled in Seattle, WA). August 2021

2. “The Landscape of Cancer Communication in India”, Joint Statistical Meetings, Virtual Conference (originally scheduled in Philadelphia, PA). August 2020

3. “Determinants of Inter-Individual Variation in Nevus Counts Among Children”, Joint Statistical Meetings, Denver, CO. August 2019

4. “Statistical interactions from a growth curve perspective”, Joint Statistical Meetings, Vancouver, Canada. August 2018

5. “Quantifying Treatment Benefit in Molecular Subgroups to Assess a Predictive Biomarker”, International Genetic Epidemiology Society Conference, Toronto, Canada. October 2016

6. “Empirical Bayes-Type Shrinkage Estimators for Evaluating Multiple Exposures in Epidemiology Studies”, Joint Statistical Meetings, San Diego, CA. August 2012.

7. “Evaluation of removable statistical interaction in cancer epidemiology studies”, Joint Statistical Meetings, Miami Beach, FL. August 2011

8. “Properties of Empirical Bayes Estimators for Evaluating Questionnaire Data in Epidemiology Studies”, Joint Statistical Meetings, Vancouver, Canada. August 2010

9. “Evaluating routes of exposure in questionnaire studies”, Joint Statistical Meetings, Washington D.C. August 2009

10. “Sampling issues in biomarker studies”, Joint Statistical Meetings, Denver, CO. August 2008