

BIOGRAPHICAL SKETCH

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NAME: Singh, Maharaj

eRA COMMONS USER NAME (credential, e.g., agency login): maharajsingh

POSITION TITLE: Research Assistant Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
McGill University, Montreal , Quebec	MS	06/1982	Psychology
C.C.S University, Meerut, U.P.	PHD	06/1984	Psychology
Marquette University, Milwaukee, WI	MS	05/2002	Statistics

A. Personal Statement

My professional experience in scientific research, study design, statistical methodology and in the interpretation of the research data encompasses more than 20 years. Currently, I am working as Research Assistant Professor, Graduate Studies, Department of Dentistry, Marquette University. Earlier I worked as Senior Biostatistician at Aurora Research Institute, Aurora Health Care and collaborated in research with scientists and physicians in the area of patient care, neurology, neurosurgery and specialty areas such brain, breast and GI cancers, public health and in geriatrics. I also work as Adjunct Instructor at Marquette University to teach courses in Statistics, Research Methods, and Biopsychology. My professional passion is to work toward understanding and analyzing research data using statistical software to provide the interpretation of the results as well carry out research in understanding human behavior. I provide extensive support for support for study design, sample estimates, data manipulation, statistical analysis and for interpretation of the results.

1. Konduri S, Singh M, Bobustuc G, Rovin R, Kassam A. Epidemiology of male breast cancer. Breast. 2020 Aug 22;54:8-14. PubMed PMID: [32866903](#); PubMed Central PMCID: [PMC7476060](#).
2. Ong TK, Lim GS, Singh M, Fial AV. Quantitative Assessment of Root Development after Regenerative Endodontic Therapy: A Systematic Review and Meta-Analysis. J Endod. 2020 Dec;46(12):1856-1866.e2. PubMed PMID: [32827507](#).
3. Vakil N, Ciezki K, Huq N, Singh M. Multitarget stool DNA testing for the prevention of colon cancer: outcomes in a large integrated healthcare system. Gastrointest Endosc. 2020 Aug;92(2):334-341. PubMed PMID: [31904379](#).
4. Singh M, Konduri SD, Bobustuc GC, Kassam AB, Rovin RA. Racial Disparity Among Women Diagnosed With Invasive Breast Cancer in a Large Integrated Health System. J Patient Cent Res Rev. 2018 Summer;5(3):218-228. PubMed PMID: [31414006](#); PubMed Central PMCID: [PMC6664325](#).

B. Positions and Honors**Positions and Employment**

1985 - 1990	Research Scientist , Institute of Advanced Studies, CCS University, Meerut
1990 - 2000	Associate Professor , Institute of Advanced Studies , CCS University , Meerut
2003 - 2009	Statistician, National Government Services , Anthem, Milwaukee, WI
2003 - 2016	Adjunct Professor , College of Professional Studies, Marquette University, Milwaukee, WI
2010 - 2012	subject Matter Expert - Biostatistician, Senior, MedPro Technologies , Air force Base Medical Center , San Antonio, TX
2012 - 2019	Biostatistician, Senior , Aurora Research Institute , Aurora Health Care, Milwaukee, WI
2019 -	Research Assistant Professor , Marquette University, Milwaukee, WI

Other Experience and Professional Memberships

- 2010 - Member, American Statistical Association
- 2012 - Member, Aurora Institutional Review Board

Honors

- 1990 Fulbright Scholarship , United States Department of State Bureau of Educational and Cultural Affairs
- 1992 International Exchange Scientist , Natural Sciences and Engineering Research Council, Canada
- 1995 Visiting Scientist , Maison des Sciences L'Homme, Paris, France.
- 1998 International Exchange Fellowship , Royal Society, London, UK
- 2014 Research Service Award, Aurora Health Care

C. Contribution to Science

1. As biostatistician I have participated in the collaborative research in the areas of patient care and helped new investigators for research study design and statistical methodology
 - a. Bobustuc GC, Kassam AB, Rovin RA, Jeudy S, Smith JS, Isley B, Singh M, Paranjpe A, Srivenugopal KS, Konduri SD. MGMT inhibition in ER positive breast cancer leads to CDC2, TOP2A, AURKB, CDC20, KIF20A, Cyclin A2, Cyclin B2, Cyclin D1, ER α and Survivin inhibition and enhances response to temozolomide. *Oncotarget*. 2018 Jul 3;9(51):29727-29742. PubMed PMID: [30038716](#); PubMed Central PMCID: [PMC6049872](#).
 - b. Dalmar A, Singh M, Pandey B, Stoming C, Heis Z, Ammar KA, Jan MF, Choudhuri I, Chua TY, Sra J, Tajik AJ, Jahangir A. The beneficial effect of weight reduction on adverse cardiovascular outcomes following bariatric surgery is attenuated in patients with obstructive sleep apnea. *Sleep*. 2018 May 1;41(5)PubMed PMID: [29425382](#); PubMed Central PMCID: [PMC5946869](#).
 - c. Kumar S, Voracek M, Singh M. Sexual Dimorphism in Digit Ratios Derived from Dorsal Digit Length among Adults and Children. *Front Endocrinol (Lausanne)*. 2017;8:41. PubMed PMID: [28321205](#); PubMed Central PMCID: [PMC5337486](#).
 - d. Ortiz D, Singh M, Jahangir A, Allaqaband S, Khitha J, Bajwa TK, Mewissen MW. Bivalirudin versus unfractionated heparin during peripheral vascular interventions: A Propensity-matched Study. *Catheter Cardiovasc Interv*. 2017 Feb 15;89(3):408-413. PubMed PMID: [27526661](#).
2. Collaborative research in the areas of Psychology
 - a. Vaid J, Singh M. Asymmetries in the perception of facial affect: is there an influence of reading habits?. *Neuropsychologia*. 1989;27(10):1277-87. PubMed PMID: [2594174](#).
 - b. Bryden MP, Singh M, Steenhuis RE, Clarkson KL. A behavioral measure of hand preference as opposed to hand skill. *Neuropsychologia*. 1994 Aug;32(8):991-9. PubMed PMID: [7969872](#).
 - c. Singh M, Vaid J, Sakhuja T. Reading/writing vs handedness influences on line length estimation. *Brain Cogn*. 2000 Jun-Aug;43(1-3):398-402. PubMed PMID: [10857734](#).
 - d. Singh M, Manjary M, Dellatolas G. Lateral preferences among indian school children. *Cortex*. 2001 Apr;37(2):231-41. PubMed PMID: [11394723](#).
3. Collaborative work in systematic review and meta-analysis
 - a. Jawa Z, Perez RM, Garlie L, Singh M, Qamar R, Khandheria BK, Jahangir A, Shi Y. Risk factors of trastuzumab-induced cardiotoxicity in breast cancer: A meta-analysis. *Medicine (Baltimore)*. 2016 Nov;95(44):e5195. PubMed PMID: [27858859](#); PubMed Central PMCID: [PMC5591107](#).
4. Peer-reviewed publications involved students under my supervision

- a. Kumar S, Voracek M, Singh M. Sexual Dimorphism in Digit Ratios Derived from Dorsal Digit Length among Adults and Children. *Front Endocrinol (Lausanne)*. 2017;8:41. PubMed PMID: [28321205](#); PubMed Central PMCID: [PMC5337486](#).
- b. Singh M, Manjary M, Dellatolas G. Lateral preferences among indian school children. *Cortex*. 2001 Apr;37(2):231-41. PubMed PMID: [11394723](#).
- c. Singh M, Vaid J, Sakhuja T. Reading/writing vs handedness influences on line length estimation. *Brain Cogn*. 2000 Jun-Aug;43(1-3):398-402. PubMed PMID: [10857734](#).
- d. Singh M, Kindu A. Hand preference and approval among Hindus and Muslims in India. *Int J Neurosci*. 1994 Mar;75(1-2):19-29. PubMed PMID: [8050848](#).

Complete List of Published Work in My Bibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/1NEsqQkPuh9kR/bibliography/public/>

Membership for organization

Advocate Aurora IRB

American Statistical Association

