

Seema Marwaha

Cambridge, MA
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Education

Masters of Education (Technology, Media and Innovation) Harvard Graduate School of Education	August 2012-May 2013
General Internal Medicine Fellowship University Health Network, Toronto General Hospital	July 2011 – June 2012
Internal Medicine Residency University of Toronto	July 2008 – June 2011
Doctor of Medicine University of Alberta (Top 15%)	Aug 2004-April 2008
Bachelor of Medical Sciences University of Alberta (4.0 GPA)	Aug 2001-April 2007
High School Diploma (class valedictorian) Paul Kane High School Graduated	Sept 1998-June 2001

Work Experience

Academic Staff Physician Toronto General Hospital, University Health Network	July 2012-present
Clinical Associate Toronto East General Hospital	July 2012 -present
TD Canada Trust, Financial Services Associate I got this job as part of the TD Merit Scholarship and continued to work throughout medical school.	2002- 2007



Research and Academics

STRATUS Simulation Center, Intern

Ongoing

Brigham and Womens' Hospital, Boston MA. Participating in a research study involving media as an intervention in medical simulation training.

OPEN Pediatrics/IBM, Intern

Fall 2012

Boston Children's Hospital, Boston MA. This is a platform designed by IBM designed to disseminate critical care knowledge globally. I assisted with content production and developed their social media strategy.

Health and Wellness Innovation Intern

Jan 2012

MIT Media Lab, Cambridge MA. I created a mobile application prototype for inpatient use called beWell. <http://www.youtube.com/watch?v=dCXYkSB57a8>

Centre for Innovation and Complex Care, Research Fellow

2010-2012

Toronto General Hospital, Toronto CAN. Worked on several projects including a video for handwashing that went viral. <Http://www.vimeo.com/seema/handwashing>

Determinants of Home Hemodialysis Research Project

March 2009-June 2011

Working with Dr. Chris Chan at the University Health Network investigating why patients drop out of the home hemodialysis program after training. This project is in progress.

Importance of Etoposide dosing in Germ Cell Tumors

June 2005-Sept 2008

Primary investigator, worked with Drs. Scott North and Peter Venner of the Cross Cancer Institute in Edmonton investigating germ cell tumor chemotherapy. Resulted in presentations at the Prairie Urological Association and Canadian Urological Association meetings. The abstract was published in the American Society of Clinical Oncology meeting summary and the research paper was published in the Canadian Journal of Urology.

Biochemistry Research Student – Antimicrobial peptides

April 2006-June 2007

Worked in Dr. R. McElhaney's biochemistry lab researching antimicrobial peptides and coauthored two papers.

Publications & Videos

Shoham S, **Marwaha S**. Invasive fungal infections in the ICU. J Intensive Care Med. 2010 Mar 25(2):78-92.

Marwaha S, Venner PM, North SA. The importance of the dose of etoposide in the initial treatment of metastatic germ cell tumors and advances in management of patients that relapse. Can J Urol. 2007 Oct;14(5):3692-6.

Abraham T, **Marwaha S**. et. al. The relationship between the binding to and permeabilization of phospholipid bilayer membranes by GS14dK(4), a designed analog of the antimicrobial peptide gramicidin S. Biochim Biophys Acta. 2007 Sep; 1768(9):2089-98.

Seto GW, **Marwaha S**. et. al. Interactions of the Australian tree frog antimicrobial peptides aurein 1.2, citropin 1.1 and maculatin 1.1 with lipid model membranes: Differential scanning calorimetric and Fourier transform infrared spectroscopic studies. Biochim Biophys Acta. 2007 Aug; 1768(10): 3489-93.



Other Interests

Film and documentary

Ongoing

I have worked on both NFB and Canadian Council for the Arts funded projects in the past. I recently entered the Toronto 48-hr Film challenge and won best use of genre and best comedy. I produce several videos for a local Toronto dance company, GeoMetriX. I have participated in summer NFB film camps to teach and inspire youth with basic filmmaking projects.

Director of Fun Rounds

2009, 2010, 2011

Produced, wrote and directed a show of medical skits and spoofs for the University Health Network.

Photography

Ongoing

My initial interest was travel photography and has evolved to include current events. I participated in a National Geographic photography internship in March of 2011. <http://travelista-diaries.see.me/onelife2011/>

International Volunteer Experience

April 2004-Sept 2004, April 2005-Aug 2005

I volunteered for the Guyanese ministry of health in the summer of 2004. I participated in an Indian ministry of health AIDS education initiative in 2005.

Community Health Representative

Sept 2004-Sept 2006

Organized over 10 different volunteer initiatives for medical student involvement in the community.

Students' International Health Association

Oct 2002-Aug 2007

Vice-president of this campus wide group that organizes both local and international health projects.



Awards Received

Frank Knox Memorial Fellowship (2012): Was awarded this full scholarship (approximately \$100 000) for graduate studies at Harvard University.

Ivy Global Health Innovation Award (Oct 2011): Awarded for a hand hygiene viral video I produced – www.vimeo.com/seema/handwashing. This video has over 4 million hits and has been distributed to 8 different countries. It is now part of the orientation curriculum for all University Health Network hospital employees.

Toronto 48-hour Film Challenge (Oct 2011): Winner of the best use of genre award and best comedy award.

Outstanding Housestaff Award (June 2011): Selected by my peers as one of the top resident physicians in my program.

Harvard Humanitarian Initiative (June 2010): Received a scholarship to attend a conference in Boston on humanitarian efforts in both the developing and developed world.

Canadian Council for the Arts Grant (March 2010): I received the grant for research/creation of video and film. I qualified in the emerging artists category after submitting a small portfolio.

Edmonton Film Society (Jan 2009): My short film on aid tourism was supported and got an honorable mention.

Gold Humanism Honors Society Award (June 2008)

Leadership Awards: George Grover Leadership Award (March 2007) - A campus wide leadership scholarship valued at \$7500. Laurence Decore Leadership Award (March 2006): Recognizes students who have demonstrated outstanding dedication and leadership to fellow students and to their community.

Northern Alberta Institute of Urology Research Award (Sept 2006)

LEE Global Education Award (May 2005)

Student Extracurricular Activities Award (May 2005)

Rhodes Scholarship Finalist (Nov 2004) – Scholarship for graduate studies declined due to personal reasons.

Dean's Honor Roll (2001-2008)

Golden Key Honor Society (2001-2008)

Other awards:

Reginald Charles Lister Memorial Award

Canada Millennium National Scholarship (\$20 000)

TD Canada Trust Merit Scholarship (\$20 000)

YWCA Women of Distinction Award

University of Alberta Science and Entrance Scholarships, Academic Excellence Scholarship (\$15 000)

Optimist Youth Appreciation Award

References available upon request.