

Rose Eckhardt

rose.eckhardt@mail.mcgill.ca

[updated July 2010]

EDUCATION

McGill University, Montreal, QC

Master of Arts, Geography, expected summer 2010

- *Honors*: Recruitment Award (\$4000), Warren GIS Award (\$5000)
- *Course work*: Environmental Modeling, Computational Analysis of Spatial and Temporal Health Data, Introduction to Epidemiology, Health Geography, Geographical Methods
- *Thesis*: An Assessment of Imported Malaria and the Risk of Autochthonous Transmission in Ontario, Canada

University of Chicago, Chicago, IL

Bachelor of Arts with General Honors, Geographical Studies, June 2007

- *Honors*: University Scholar Merit Scholarship, Dean's List 2003-2006, Richter Fund Internship Grant Recipient (\$1000; Summer 2005), Human Rights Internship Grant Recipient (\$5000; Summer 2006)
- *Senior Thesis*: An Analysis of Spatial and Temporal Variation in Family Planning Awareness, Usage and Access in Senegal

RESEARCH & WRITING EXPERIENCE

World Health Organization, Regional Office for South-East Asia

Contributing Author, December 2008 – January 2009

- Co-authored chapter on vector-borne diseases for "Training Course for Public Health Professionals on Protecting our Health from Climate Change" (currently in draft form for field testing)

Department of Human Genetics, University of Chicago, Chicago, IL

Research Coordinator, July 2007 – May 2008

- Organized field research trips to collect survey and health data on target population
- Completed data preparation assessing normality and heritability analyses of phenotype variables
- Coordinated data entry and managed database with phenotype data for all phases of data collection

Department of Health Studies, University of Chicago, Chicago, IL

Research Assistant, January 2007 – June 2007

- Aided in derivation of variables, statistical analysis and interpretation of biomarker and health data
- Entered, organized, checked, cleaned and managed database with demographic and health data
- Assisted in conducting field research and collected data with study population

Groupe d'Etude de Recherche et d'Aide à la Décision (GERAD), Dakar, Senegal

Research Intern, Fall 2006

- Conducted research on the spatial variation, prevalence, and possible causes of diarrheal disease and dysentery in Mbao, Senegal
- Created questionnaire and collected data by conducting household interviews with study population
- Analyzed data and created report detailing statistical findings and interpretation for health district officials

Minnesota International Health Volunteers (MIHV), Nairobi, Kenya

Program Associate, Summer 2006

- Conducted fact-finding meetings with NGOs and other international organizations, including UNICEF Somalia, WHO Somalia, and the Kenyan Ministry of Health
- Conducted interviews with key informants on health issues in Wajir, Kenya (Northeastern Kenya)
- Wrote reports describing the current health status of Somali populations in Kenya and Somalia
- Collaborated with staff to create grant proposals for Somali-oriented health programs submitted to USAID

Minnesota International Health Volunteers (MIHV), Minneapolis, MN

Intern, Summer 2005

- Wrote concept paper for possible Somali Pilot Project, including researching and compiling information about current health NGOs, funding resources available, and health needs in Somalia/Somaliland
- Created advertising themes and conducted direct marketing interviews for a Somali-language Health Education video series, as well as assisted with general production and post-production duties

Student Global AIDS Campaign (SGAC), University of Chicago Chapter, Chicago, IL

President, 2005-2006; Co-President, 2004-2005; Committee Member, 2003-2004, 2006-2007

- Participated in quarterly Social Justice Summit, collaborating and conferring with other activist student groups
- Planned and executed events aimed at increasing awareness of HIV/AIDS pandemic in the US and abroad
- Created budgets and managed group finances, implemented fundraising campaigns

Office of Congresswoman Betty McCollum (D-Minnesota), Washington, DC

Congressional Intern, Summer 2004

- Attended legislative briefings and created reports detailing information
- Managed constituent and colleague information database and organized and responded to correspondence

TEACHING TRAINING

Learning to Teach: A Professional Development Workshop for Graduate Students,

McGill University, Montreal, QC (November 2008 & March 2010)

- Workshops attended: student motivation, student-centered teaching methods, leading effective discussions, preparing and delivering effective presentations

Tomlinson Project in University-Level Science Education Graduate Teaching Workshop,

McGill University, Montreal, QC (January 13 & 15, 2009)

- Topics covered included teaching strategies, formative evaluation, grading and feedback

TEACHING EXPERIENCE

Health Geography, McGill University, Montreal, QC

Teaching Assistant, Spring 2010

- Corrected student assignments and provided students with written feedback
- Discussed assignments and questions with students individually
- Corresponded with students via e-mail

Health and Environmental Change, McGill University, Montreal, QC

Invited Lecturer, Fall 2009

- Delivered lecture titled: “Global Air Travel and Emerging Infectious Diseases”
- In conjunction with the lecture, developed a classroom exercise for students to discuss pandemic planning scenarios

Statistics and Spatial Analysis, McGill University, Montreal, QC

Teaching Assistant, Fall 2009

- Facilitated weekly computer lab sessions utilizing statistical and mapping software for course assignments
- Corrected student assignments and provided students with written feedback

Environment and Health, McGill University, Montreal, QC

Teaching Assistant, Spring 2009

- Discussed assignments and questions with students individually
- Corrected student assignments and provided students with written feedback

Geography of the World Economy, McGill University, Montreal, QC

Teaching Assistant, Fall 2008

- Coordinated grading of exams with a team of other teaching assistants

Biological Issues and Paradigms (Core Biology Writing Program), University of Chicago, Chicago, IL

Teaching Assistant, Spring 2005

- Conducted weekly workshops with students to discuss articles from scientific publications and the process of science writing
- Corrected student assignments and guided students in developing a final literature review paper

PRESENTATIONS & OUTREACH

Canadian Public Health Association – June 2010, Toronto, ON

- “Assessing the potential for autochthonous malaria transmission in Canada: An Ontario case study”

International Medical Geography Symposium – July 2009, Hamilton, ON

- “A transmission model of autochthonous malaria in Canada: examining the dynamics of climate change and imported malaria”

Canadian Association of Geographers – May 2009, Ottawa, ON

- “Modeling re-emerging vector-borne infectious disease: The case study of malaria in Canada”

CKUT 90.3 FM “Health on Earth” – May 2009, Montreal, QC

- One of two guests for a radio show on climate change and health (May 26th) as part of a weekly series broadcast on a non-profit campus-community radio station

Association of American Geographers – March 2009, Las Vegas, NV

- “The dynamics of climate, environment and migration: Modeling malaria risk in Canada”

Association of American Geographers - March 2006, Chicago, IL

- “HIV/AIDS and social networks: Support, information and prevention”

ACADEMIC SERVICE

McGill University, Montreal, QC

Graduate Student Representative

- Geography Department Faculty Meeting, September '09 – April '10
- Carrie M. Derick Award for Excellence in Graduate Supervision & Teaching, October '08 – October '09
- Post-Graduate Students' Society Committee for Graduate Student Support, October '08 – August '10

Alumni Schools Committee, University of Chicago, Chicago, IL

Interviewer, December 2008 – present

- Interview prospective students and discuss questions and issues pertaining to college admissions

Dean of Students Advisory Council, University of Chicago, Chicago, IL

Student Member, 2005-2006

- Met with the Dean of the College and key College advisors to discuss student life on campus
- Selected by student leaders as one of 12 representatives for a student body of 4100 students

SKILLS

Software:

- ArcGIS 9.3
- GeoDa
- Stata 11.0
- Stella 9.1
- SaTScan 8.1
- R 2.8
- Microsoft Office

Languages: French (advanced), Wolof (beginner)

Other interests: Circus skills, cooking, filmmaking