

Curriculum Vitae and Bibliography

Whitney L. Simon

1. Personal Information

Work Address: Mayo Clinic
200 First Street SW
Guggenheim 6-05
Rochester, MN 55905

Home Address: 37272 20th Avenue
Dennison, MN 55018

Phone Number: 612-423-5755

Email Address: simon.whitney@mayo.edu

Website: www.whitneysimon.com

Place of Birth: New Prague, MN

Date of Birth: July 25, 1987

Citizenship: United States

2. Present Position

Research Assistant

September 2013 – Present

Vaccine Research Group (Principal Investigator: Gregory Poland, M.D.), Mayo Clinic, Rochester, MN

- Description: Vaccine research with particular focus on the immunogenetics of responses to the measles, mumps, and rubella; influenza; and smallpox vaccines
 - Cell culture, virus neutralization assays, flow cytometry, ELISAs, DNA and RNA work
 - Data analysis
 - Manuscript writing
 - Assistance with grant and IRB application writing
 - Animal studies
 - Lab equipment maintenance

3. Education

Master of Science in Biomedical Sciences (Immunology Concentration)

June 2013 – June 2017 (estimated)

Mayo Graduate School, Rochester, MN

Bachelor of Science in Health Sciences

September 2011 – May 2013

University of Minnesota – Rochester

Associate of Science in Business Administration (Management Concentration)

September 2008 – June 2010

Riverside Community College, Riverside, CA

Began a Bachelor of Science degree in Biochemistry

September 2006 – September 2008

University of California – Riverside

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4. Certifications

- Mayo Clinic College of Medicine Quality Academy: Mayo Quality Fellow – Bronze Level Certification

5. Previous Professional Positions

Laboratory Assistant

December 2010 – September 2013

Clinical Microbiology Laboratory, Mayo Clinic, Rochester, MN

- Description: Internationally renowned reference and development laboratory with expertise in all areas of conventional and molecular microbiology
 - DNA extraction, bacterial and fungal culturing, accessioning of specimens
 - Use of electronic medical record systems
 - Creation of rare specimen biobank database
 - Training of new lab members

Laboratory Manager

June 2009 – August 2010

Neuroimmunology Laboratory (Principal Investigator: Monica Carson, Ph.D.), University of California - Riverside

- Description: Neuroimmunology research with particular focus on microglia's role in various infection and central nervous system disease processes
 - Experiment/protocol design
 - Manuscript writing
 - Flow cytometry, confocal microscopy, cell culture, plasmid purification, molecular cloning, immunohistochemistry, cryosectioning, in-situ hybridization, PCR (including primer design)
 - Mouse surgeries, management of transgenic mouse colony (genotyping, breeding, etc.)
 - Management of undergraduate laboratory workers; training of lab members; ensuring that lab followed policies and codes set forth by OSHA, UCR's Environmental Health and Safety Department, and IACUC; ordering of lab supplies; equipment maintenance

Research Assistant

December 2006 – June 2009

Neuroimmunology Laboratory (Principal Investigator: Monica Carson, Ph.D.), University of California - Riverside

- Description: Neuroimmunology research with particular focus on microglia's role in various infection and central nervous system disease processes
 - Experiment/protocol design
 - Cell culture, plasmid purification, molecular cloning, immunohistochemistry, cryosectioning, in-situ hybridization, PCR (including primer design)
 - Assisted with management of transgenic mouse colony (genotyping, breeding, etc.)

Certified Nursing Assistant

February 2005 – September 2006

Mala Strana Health Care Center, New Prague, MN

- Worked largely with geriatric patients, especially those with dementia and Alzheimer's disease
- Assisted residents with activities of daily living (hygiene, eating, etc.)

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- Administered medication (in assisted living area)
- Occupied residents with constructive activities

6. Professional & Community Memberships, Societies, and Services

Member

September 2012 – Present

Healthcare-Acquired Infections Advisory Group (Minnesota Department of Health)

- Provide leadership for implementation of MN's Healthcare-Acquired Infection Prevention Plan
- Identify target healthcare-acquired infection prevention priorities
- Identify statewide surveillance measures that will be reported to the CDC quarterly

President

May 2013 - Present

Minnesota Interlaboratory Microbiology Association (MIMA)

- Organize triannual conferences, which provide continuing education units for clinical laboratory professionals
- Form and maintain collaborations
- Design and implement financial and recruitment improvement strategies
- Oversee other board members
- Past board positions:
 - Vice President: May 2012 – May 2013
 - Treasurer: May 2011 – May 2012

President

December 2012 – May 2013

Colleges Against Cancer – University of Minnesota - Rochester Chapter (American Cancer Society Organization)

- I founded this chapter in December 2012 and fostered the collaboration between the University of Minnesota – Rochester and the American Cancer Society.
- Organized UMR's first Relay for Life event
- Oversaw committee members
- Organized fundraising and recruitment activities

Director of Administration

October 2006 – September 2007

Health Workforce Transformation Program (COPE) at Riverside Community Hospital

- Established and implemented program improvement goals
- Coordinated events
- Oversaw program leadership members and approximately 400 student volunteers
- Performed annual reviews on leadership team members
- Trained student volunteers to work in patient care units

Volunteer

June 2005 – September 2006

Children's Hospitals and Clinics of Minnesota: Patient Safety Department and inpatient units

- Occupied patients and interacted with family members (primarily in oncology/hematology unit)
- Assisted Medical Director of Patient Safety Department with implementing hospital-wide safety improvements, including the implementation of an Isensix temperature monitoring system.

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7. Presentations

Poster

Tmem176b, a potential biomarker of repair responses in the central nervous system 10/2007
Jonathan M. Doose, **Whitney Carter**, Sheila R. Plant, Tracey Papenfuss, Cindy Deboy, J. Cameron Thrash, Benoit Melchior, Kathryn J. Jones, Caroline C. Whitacre, Jenny Ting, Monica J. Carson
La Jolla Immunology Conference
The Salk Institute, La Jolla, CA

8. Publications

1. Ploix CC, Noor S, Crane J, Masek K, **Carter W**, Lo DD, Wilson EH, Carson MJ. (n.d.). CNS-derived CCL21 is both sufficient to drive homeostatic CD4+ T cell proliferation and necessary for efficient CD4+ T cell migration into the CNS parenchyma following *Toxoplasma gondii* infection. *Brain, Behavior, and Immunity*. 2011 Jul;25(5):883-96.
2. **Simon WL**, Salk HM, Ovsyannikova IG, Kennedy RB, Poland GA. Cytokine production associated with smallpox vaccine responses. *Immunotherapy*. In press.

Note: As of 08-22-14, "Carter" is maiden name and "Simon" is new last name.