

J'Nelle Young

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Research Interests: Clathrin-mediated endocytosis, intercellular junctions, cytoskeletal remodeling.

Education:

BSc Biomedical Sciences, Grand Valley State University, Allendale, MI 49401
September 1999-May 2003

Ph.D Candidate Cell and Developmental Biology, University of British Columbia, Vancouver, BC V6T 1Z3
September 2007-present

Abstracts/Presentations:

J'Nelle Young, Marc De Asis, Julian Guttman, A. Wayne Vogl. Cortactin knockdown reduces tubulobulbar complex length (2011) Poster presentation at the international ASCB conference in Denver.

J'Nelle Young and A. Wayne Vogl. Multi-tasking focal adhesion protein zyxin is present at tubulobulbar complexes (2011) Poster presentation at the international FASEB conference in Washington, DC.

J'Nelle S. Young and A. Wayne Vogl. Rab 11 is associated with nectin 2 positive vesicles in sertoli cells at newly forming adhesion junctions with early elongating spermatids in rat testis (2010) Poster presentation at the international FASEB conference in Anaheim.

J'Nelle A. Young, Marc De Asis, Julian A. Guttman and A. Wayne Vogl (2009) Evidence from *in vivo* cortactin RNAi that podosome-like tubulobulbar complexes are involved with sperm release. Poster presentation at international ASCB conference in San Diego.

J'Nelle Young, Marc De Asis. Julian Guttman, Wayne Vogl (2008) Tubulobulbar Complexes are Intercellular Podosome-like Structures that Internalize Intact Intercellular Junctions During Epithelial Remodeling Events in the Testis. Poster presentation at annual ASCB conference in San Francisco.

J'Nelle Young, Marc De Asis, Wayne Vogl (2009) Podosome-Like Tubulobulbar Complexes Internalize Intact Junctions in the Seminiferous Epithelium. Poster presentation at annual FASEB conference in New Orleans.

Publications:

J'Nelle S. Young, Julian A. Guttman, Kuljeet S. Vaid, Hasmik Shahinian, and A. Wayne Vogl. Cortactin (CTTN), N-WASP (WASL), and Clathrin (CLTC) Are Present at Podosome-Like Tubulobulbar Complexes in the Rat Testis. *Biol Reprod* (2009) 80: 153-161.

J'Nelle S. Young, Julian A. Guttman, Kuljeet S. Vaid, and A. Wayne Vogl Tubulobulbar Complexes Are Intercellular Podosome-Like Structures That Internalize Intact Intercellular Junctions During Epithelial Remodeling Events in the Rat Testis. *Biol Reprod* (2009) 80: 162-174.

J'Nelle S. Young, Yoshimi Takai, Katarina L. Kojic and A. Wayne Vogl, Internalization of adhesion junction proteins and their association with recycling endosome marker proteins in rat seminiferous epithelium. *Reproduction* (2012) 143: 347-357

J'Nelle S. Young and A. Wayne Vogl. Focal Adhesion proteins Zyxin and Vinculin are co-distributed at tubulobulbar complexes. *Spermatogenesis* (2012) 2: 63-68.

Teaching:

Teaching Assistant

University of British Columbia Faculty of Medicine

Vancouver, BC, September 2007- present

Fundamentals of Body Design – Gross anatomy component

~360 first-year medical students/ 3 hours per week

Brain and Behavior – Head and Neck Gross Anatomy

~300 second-year medical students/ 6 hours per week

University of British Columbia Faculty of Dentistry

Vancouver, BC September 2010 – December 2010

DHYG 310 - Prepared and taught a two-hour review in gross anatomy for 22 dental hygiene students on local anesthetic nerve blocks.

DHYG 206 - Assisted course instructor with set-up and implementation of review on head and neck anatomy

Vancouver, BC September 2011-December 2011
Fundamentals of Body Design- Gross anatomy component
~40 first-year dental students/ 3 hours/week

University of British Columbia – Department of Family Practice

Vancouver, BC, October and December 2011
MIDW – Gross Anatomy Lab component
Met with ~25 first and second year midwifery students for an introductory lecture to gross anatomy of the thorax, abdomen, pelvis and perineum. Each lecture was followed by a tutorial in the gross anatomy lab.

Undergraduate Student Supervisor

University of British Columbia

Vancouver, BC Sept 2009-present

As part of my role as a Ph.D student in the Vogl lab, I supervise and collaborate with a number of undergraduate students.

Guest lecturer

University of British Columbia Zoology Dept.

Vancouver, BC November 2008 and November 2009

BIOL 153 - Prepared and delivered a one-hour lecture on pelvis and perineum to a classroom of 150 undergraduate students.

British Columbia Institute of Technology

Vancouver, BC April 2010

Prepared and delivered a one-hour lecture on pelvis and perineum to a classroom of 25 radiology students.

Teaching Dossier

<http://jnelleyoung.wordpress.com/>

*Includes teaching philosophy, large classroom experience

Work Experience

Laboratory Services Representative

Spectrum Health

Grand Rapids, MI, September 2004- June 2006.

Collection of blood from patients and analysis for diagnostic purposes

Tour Guide:

Museum of Anthropology

Vancouver, BC March 2007-2010

Facilitated cultural awareness while conducting private tours of groups from one to forty people through the museum's galleries.

Volunteer Experience:

Scientists and Innovators in Schools (Science World)

Vancouver, BC, September 2008-2010

Created and presented a one-hour, interactive lesson on the heart suitable for children between the ages of 8-12.

Have given lesson to over 200 students in the Vancouver area.

http://www.scienceworld.ca/scientists_in_schools.html

WISH drop-in centre:

Vancouver, BC, September 2010-May 2011

Duties include various tasks including serving meals to marginalized women who practice high-risk behavior and reside in Vancouver's Downtown East Side.

Professional memberships:

American Association of Anatomists

American Society for Cell Biology

Prizes and awards:

Graduate Entrance Scholarship (University of British Columbia) 2008

Four-Year Fellowship 2009

Pacific Century Graduate Scholarship 2010

American Society for Cell Biology (ASCB) Predoctoral Travel Award 2011

Laura Jasch Memorial Prize (Excellence in Research and Teaching) 2012

References:

Wayne Vogl Ph.D

University of British Columbia

Faculty of Medicine

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Claudia Krebs M.D., Ph.D

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