

Mukti Ryan

3304 W. Queen Pl.
Spokane, WA- 99205

(509) 990- 0699
mukti.ryan@yahoo.com

Employment: Teaching and Academic Experience

University of Washington, School of Medicine

Visiting Clinical Instructor, Biological Sciences (November 2016- Present)

- Taught anatomy labs, physiology, microbiology and immunology to first year medical students.
- Anatomy labs included extensive cadaver dissection and explanation of prosected cadavers

Community Colleges of Spokane (SCC and SFCC)

Faculty Member, Biological Sciences (April 2011- Present)

- Taught the General Biology 160, Microbiology 260 and Anatomy & Physiology 241 courses (Lectures and Labs)
- Co-created a linked course combining the concepts of Anatomy and Physiology (Science Department) with Yoga (Department of Physical Education).
- Created and integrated multimedia by recording lecture videos for my Anatomy and Physiology 241 class using Camtasia software.
- Faculty mentor for the Science Research Club and student research projects
- Received a Library as an Open Education Leader grant and created an online OER textbook for the Bio 160 course at Spokane Community College
- Served as a mentor for minority and first generation college students
- Initiated the use of Open Education Resources and Presented at the WA state teaching technology symposium
- Created and facilitated a workshop at the 2016 WA State Faculty and Staff of Color Conference

Western Governor's University

Subject Matter Expert (June 2016- Present)

- Write and Review content for an eLearning Clinical Microbiology course for Nursing majors. This included content that was in the field of nutrition as well.

Gonzaga University

Adjunct Faculty Member, Microbiology Labs (BIO 170L) (January 2011- present)

- Responsible for teaching the Intro into Microbiology Lab to pre- nursing students

Whitworth University

Adjunct Faculty Member, Infectious Diseases (BIO 107AE Summer 2011)

- Responsible for creating course content and teaching the infectious diseases course at the Whitworth University continuing studies Dept.

Eastern Washington University, Cheney, WA

Co- Instructor for Microbiology 301 course, September 2007- June 2009

- Instructed lab classes and graded weekly lab reports
- Responsible for lab preparation, set up and clean up
- Assisted Students with individual research projects
- Graded weekly lab reports
- Performed lab maintenance and ordered supplies as needed
- Maintained an inventory of the lab
- Supervised and trained newly recruited work study students in lab procedures, policies and safety

Employment: Industry

WA State Department of Health, Spokane Valley, WA Public Health Advisor 3

- Reviewing and supervision of Drinking water quality data
- Issuing Health Advisories
- Emergency response of drinking water contamination emergencies

Hollister-Stier Laboratories LLC, Spokane, WA Scientist I, Quality Control, August 2009- February 2010

- Performed quality control on raw materials as per United States Pharmacopeia, European Pharmacopeia and Japanese Pharmacopeia
- Wrote internal memos and technical reports on testing performed
- Performed Second Analyst review of data
- Reviewed and edited Standard Operating Procedures based on company policies, cGMP (current good manufacturing practices) and Code of Federal Regulations
- Harmonized and improved standard operating procedures
- Purchased chemicals and lab supplies as needed
- Performed routine calibration on lab equipment such as pipettes, balances, mass spectrometers, HPLC machines, barometers, spectrophotometers and pH meters.
- Entered data in Laboratory Information Management System (LIMS): Novatek

Volunteer Experience

Chiari and Syringomyelia Foundation (October 2015- Present)

President Northwestern US Chapter

- Awareness regarding Chiari Malformations, Syringomyelia and Ehlers-Danlos Syndrome
- Fundraising for Chiari research
- Support for patients
- Patient Advocacy

Clinical Emergency Volunteer (September 2016- Present)

Providence Holy Family Hospital, Spokane, WA

- Emergency room support
- Patient Advocacy

Education

- **Master of Science – Biology, Specialty in Microbiology**
Eastern Washington University, Cheney, WA
2007- 2010 (March) **Awarded in April 2010.**
- **Bachelor of Science - Biotechnology, Zoology, Chemistry**
Osmania University, Hyderabad, India
2003-2006
- **Post Bachelors Diploma in Chemical Analysis and Quality Assurance**
Osmania University, Hyderabad, India, 2007

Academic Honors

- Rockwood Clinic Scholarship 2008-09
- Biology department graduate fellowship, Eastern Washington University- 2007-09

Committees Served

- Spokane community College: Equity and Diversity Council (September 2014- Present)
- SCC Student health clinic advisory committee (September 2015- Present)

Select Professional Development

- FERPA
- Community College 101
- Title IX
- State Employment and Public Disclosure
- HIPPA
- Mandatory Reporter of child abuse
- State Ethics law and you
- Open Educational Resources
- Supporting Student Veterans
- STEMposium Spokane 2016, Judge for Molecular Biology Presentations.

Publications and Presentations

- **Equity and Diversity on College Campus: Diversity in hiring, Perceptions versus Reality workshop:** Interactive presentation and workshop by Mukti Ryan and Lori Hunt. Presented at the Washington Faculty and Staff of Color 2016
- **A Collaborative Story: Success with Open Education Resources,** Oral presentation by Mukti Ryan and Linda keys. Presented at the Building Bridges, Washington State Higher Education Technology Conference Spokane WA (April 2016)
- **Open Education Resources vs. Textbooks: And the winner is...** Oral presentation by Mukti Ryan, Charlene Baker, Tamara Ottum, Linda keys and Maryann Goodwin. Presented at the 2015 CCS Fall Convocation (September 2015)
- **Changes in Bacterial Diversity in solar salt ponds using 16S rRNA Sequencing.** Thesis publication and presentation by Mukti Ryan at Eastern Washington University (March 2015)
- **Bacterial Communities at difference salinities using 16 S rRNA sequencing.** Poster presentation by Mukti Ryan at Eastern Washington University (March 2009)

Computer Skills

- Blackboard, CANVAS, ctcLink
- Camtasia Video producing and editing software
- Microsoft Office
- NCBI BLAST, GenBank, Ribosomal Database Project software
- LIMS

Academic Interests

- Interdisciplinary Collaboration
- Hybrid and online course development
- Open Education Resources
- Multicultural and diversity involvement
- Workshop Facilitation
- STEM education

References

Methea Sapp

Anatomy and Physiology Instructor
Spokane Community College
Phone: (509) 533-7235
Email: methea.sapp@scc.spokane.edu

Erin Bruns

Biology and Microbiology Instructor
Spokane Community College
Phone: (509) 533- 8664
Email: erin.bruns@scc.spokane.edu

Linda Keys

Librarian
Spokane Community College
Phone: (509) 533-7053
Email: linda.keys@scc.spokane.edu