

CURRICULUM VITAE

Momoko Ueda, BSc, MA

Office:

SWH9158.1
School of Criminology
Centre for Forensic Research
Simon Fraser University
8888 University Drive
Burnaby, BC V5A 1S6
Canada

Phone:

604-364-8244

Email:

mueda@sfu.ca

RESEARCH INTERESTS

Forensic Stable Isotopes, Forensic Human Identification, Forensic Anthropology, Human Geolocation

EDUCATION

2014 - Present

Ph.D., School of Criminology, Faculty of Arts and Social Sciences
Simon Fraser University, Burnaby, BC, Canada
Active terms: 10
Cumulative GPA: 4.28

2012 - 2014

Master's of Arts, School of Criminology, Faculty of Arts and Social Sciences
Simon Fraser University, Burnaby, BC, Canada
Cumulative GPA: 4.00
Thesis: The Anatomy of a City: A Forensic Investigation of the Geography of $\delta^2\text{H}$
and $\delta^{18}\text{O}$ Values of Tap Waters Within the Metro Vancouver Area
Senior Supervisor: Dr. Lynne S. Bell (SFU)
Supervisor: Dr. Gail Anderson (SFU)
External Examiner: Dr. Dominique Weis (UBC)

2006 - 2011

Bachelor of Science, Major in General Sciences in Life Sciences with sub-specialization in Chemistry and Earth and Ocean Sciences, Faculty of Science
Minor in Commerce, Sauder School of Business
University of British Columbia, Vancouver, BC, Canada

ACADEMIC APPOINTMENTS

2016 - 2019

Guest Lecturer, School of Criminology, Simon Fraser University

- CRIM 452: Skeletal Pathology and Criminalistics
- Lectured Topic: Internal Armed Conflict in Peru

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| 2015 – 2018 | Course Supervisor , School of Criminology, Simon Fraser University <ul style="list-style-type: none">• CRIM 355: The Forensic Sciences I - Introduction to Forensic Science• CRIM 402: Biological Explanations to Crime• Was responsible for overlooking the online courses to ensure that academic and instructional standards were met• Worked in partnership with a tutor-marker, who is generally a graduate student, in delivering educational material |
| 2014 – 2019 | Guest Lecturer , School of Criminology, Simon Fraser University <ul style="list-style-type: none">• CRIM 355: The Forensic Sciences I – Introduction to Forensic Science• Lectured Topics: Forensic Biology, Forensic Pathology, Questioned Documents |
| 2012 – 2019 | Teaching Assistant and Tutor Marker , School of Criminology, Simon Fraser University <ul style="list-style-type: none">• CRIM 103: Psychological Explanations to Crime• CRIM 355: The Forensic Sciences I - Introduction to Forensic Science• CRIM 356: The Forensic Sciences II – Forensic Anthropology and Criminalistics• CRIM 420: Biological Explanations to Crime |
| 2011 – 2019 | Research Assistant , Centre for Forensic Research, Simon Fraser University <ul style="list-style-type: none">• Forensic Human Identification/Geolocation using Stable Isotope Analyses• Assisted with VENUS project: Retrieval of pig bones from Saanich Inlet |

ACADEMIC AWARDS AND GRANTS

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| 2020 | Forensic Science Foundation Student Scholarship Award (USD\$100) |
| 2018 | Graduate Fellowship, Simon Fraser University (\$6500) |
| 2016 | Travel and Minor Research Award, Simon Fraser University (\$500) |
| 2015 | Travel and Minor Research Award, Simon Fraser University (\$875) |
| 2015 | Professional Development Grant, Graduate Student Society, Simon Fraser University (\$500) |
| 2014 | Travel and Minor Research Award, Simon Fraser University (\$694) |

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| 2009 | Go Global International Learning Programs Award, University of British Columbia (\$2000) |
| 2006 | Dean's Honor List, University of British Columbia |
| 2006 | President's Entrance Award, University of British Columbia (\$500) |

PROFESSIONAL ASSOCIATIONS

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| 2019 – Present | Student Member, Forensic Isotope Ratio Mass Spectrometry |
| 2016 – Present | Student Member, Canadian Society of Forensic Science |
| 2015 – Present | Student Affiliate, American Academy of Forensic Science |

PUBLICATIONS

- (4) **Ueda, M.** & Bell, L.S. (2019). Assessing Dual Hair Sampling for Isotopic Studies of Grizzly Bears. *Rapid Communications in Mass Spectrometry*. DOI: 10.1002/rcm.8495.
- (3) **Ueda, M.** (2017). Developmental risk factors of juvenile sex offenders by victim age: Implications for specialized treatment programs. *Aggression and Violent Behavior*, (37):122-128.
- (2) **Ueda, M.** & Bell, L.S. (2017). A city-wide investigation of the isotopic distribution and source of tap waters for forensic human geolocation ground-truthing. *Journal of Forensic Science*, (62)3: 655-667.
- (1) **Ueda, M.** & Bell, L.S. (2015). Increasing the Precision of Human Geolocation: A City Scale Investigation of Stable Isotopes in Tap Water. *Proceedings of American Academy of Forensic Sciences 67th Annual Scientific Meeting*, 653.

CONFERENCE PRESENTATIONS

- (6) **Ueda, M.** & Bell, L.S. (2020, February). *An assessment of how 'predictive' human geolocation models perform when compared to a 'known' geolocated human enamel dataset*. Poster at American Academy of Forensic Sciences Annual Scientific Meeting, Los Angeles, California.
- (5) **Ueda, M.** & Bell, L.S. (2017, May). *Narrowing the Gap between Forensic Science and Law: Delving into the True Meaning of "Error Rates"*. Oral presentation at 21st UBC Interdisciplinary Legal Studies Graduate Conference, University of British Columbia, Vancouver, British Columbia, Canada.

- (4) **Ueda, M.** & Bell, L.S. (2016, December). *A comparison of $\delta^{13}C$ and $\delta^{15}N$ in paired hair samples from the rump and shoulder of grizzly bears*. Oral presentation at 2nd Annual Symposium of the Centre for Forensic Research, Simon Fraser University, Burnaby, British Columbia, Canada.
- (3) **Ueda, M.** & Bell, L.S. (2015, November). *A City-scale Investigation of stable isotopes in tap waters for human geolocation*. Oral presentation at 1st Annual Symposium of the Centre for Forensic Research, Simon Fraser University, Burnaby, British Columbia.
- (2) **Ueda, M.** & Bell, L.S. (2015, October). *A City-scale Investigation of stable isotopes in tap waters for the geolocation of human remains*. Oral presentation at XI Congreso Asociacion Latinoamericana de Antropologia Forense, Montevideo, Uruguay.
- (1) **Ueda, M.** & Bell, L.S. (2015, February). *Increasing the Precision of Human Geolocation: A City Scale Investigation of Stable Isotopes in Tap Water*. Oral presentation at the American Academy of Forensic Sciences 67th Annual Scientific Meeting, Orlando, Florida.

FOREIGN STUDIES

2015

Ayacucho, Peru

The Peruvian Forensic Anthropology Team Field School

- Transitional Justice in Practice: the Aftermath of the Internal Armed Conflict in Peru; a 3 week program, travelling to regions affected by the internal armed conflict that happened between 1980 to 2000
- Gained theoretical and practical training in themes of transitional justice, post-conflict development, application of forensic science in the investigation of human rights abuses
- Conducted interviews with families of the disappeared and victims

2009 – 2010

Tokyo, Japan

UBC Study Abroad Program, Japanese Language/International Business and Economics, Faculty of Liberal Arts, Sophia University

NON - ACADEMIC APPOINTMENTS

2011 – Present

K-12 Private Tutor, Vancouver, British Columbia

- Designed lessons catered to each student to meet individual academic needs
- Subjects areas: Physics, Chemistry, Biology, Calculus, Math, English, ESL

2016 – 2017

Peer Tutor, Burnaby Youth Custody Services, Elizabeth Frye Society, Burnaby, British Columbia

- Assisted in delivering educational material to students who are currently in custody (ages 13 – 18)
- Acted as a mentor

- 2016 – 2017 **Coach**, South Burnaby Metro Youth Soccer, Burnaby, British Columbia
- Delivered quality field training for players of ages 11 and 12 with the focus on player development (physical/technical/tactical/social)
- 2013 **Research Assistant**, Xpera – Risk Mitigation & Investigation (Former CKR Global Risk Solutions), Coquitlam, British Columbia
- United Nations Office of Drugs and Crimes (UNODC) Civilian Private Security Project (<https://www.unodc.org/documents/justice-and-prison-reform/crimeprevention/Ebook0.pdf>)
 - Assisted in preliminary research for the development of a handbook on civilian private security services and their role in community safety and crime prevention, entitled “Introductory Handbook on Civilian Private Security Services” for UN Member States
 - Attended UNODC Expert Grouping Meeting at United Nations Office in Vienna as an observer
- 2013 **Youth Engagement Leader**, Vancouver School Board, Vancouver, British Columbia
- Designed children-friendly science experiments for after-school science programs and lead a class of 14 elementary school students
 - Mentored and engaged with assistant high school students