

SARA J. FLOOD, PH.D.

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EDUCATION

- Ph.D.** Doctor of Philosophy 2012
The University of Western Australia
- School of Anatomy, Physiology and Human Biology
 - Thesis - Forensic Odontology: An analysis of the developing dentition using radiographic orthopantomograms for forensic age estimation in sub-adult individuals.
- MForSci.** Master of Forensic Science 2007
The University of Western Australia
- Centre for Forensic Science and School of Anatomy, Physiology and Human Biology
- BSc., Hons** Bachelor of Science Honours 2002
The University of Guelph Ontario, Canada.
- College of Biological Science

PROFESSIONAL APPOINTMENTS

- Assistant Professor** – Utah Valley University, Orem, UT, U.S.A. 2015 - present
- Assistant Professor** – The University of Western Australia, WA, Australia. 2012 - 2015
- Program development for the Advanced Diploma in Medical and Aboriginal Health Sciences
 - Program Coordinator for the Aboriginal Orientation Program
 - Demonstrated an outstanding personal contribution and commitment to high quality teaching and learning in the areas of gross anatomy, medical physiology and human biology
 - Provided academic leadership in teaching medical and dental students
 - Maintained a supportive and mentoring environment for Indigenous students
 - A record of demonstrable peer-reviewed publications and professional achievement in Forensic Odontology

Roles included:

- Curriculum developer for the Advanced Diploma in Medical and Aboriginal Health Sciences which comprised 8 courses per year; Course coordinator for the Aboriginal Orientation Program (a year-long bridging program that provides Indigenous students an alternative pathway into university) and University Smart Start Program (satellite campus).
- Designed and implemented a brand new one-year bridging program at the Centre for Aboriginal Medical and Dental Health (Faculty of Medicine, Dentistry and Health Sciences) designed for Indigenous students wanting entry into the MD program.

- Provided leadership in curriculum development, design of courses, and innovations in the delivery of teaching in the pre-medical and medical program.
- Reviewed faculty syllabi and textbooks, ensured course objectives coincided with learning outcomes listed in the university handbook, organized faculty pay, hired adjunct faculty, conducted entrance interviews for potential students, ensured overall compliance with university policies and procedures.

Human prosector

2008-2011

Acquired the skills necessary for the dissection of human cadavers. Highlighted the anatomical features and structures of interest for the purposes of medical and dental education.

TEACHING EXPERIENCE

Utah Valley University

- Student Research (BIOL 489R) – Department of Biology; Utah Valley University. Lecturer (2016 & 2017).
- Student Seminar (BIOL 494R) – Department of Biology; Utah Valley University. Lecturer (Spring 2016 & 2017).
- Human Anatomy (ZOOOL 2320) - Department of Biology; Utah Valley University. Lecturer (Spring 2016; Fall 2016; Spring 2017).
- Human Anatomy Lab (ZOOOL 2325) - Department of Biology; Utah Valley University. Lab Instructor (Fall 2015; Spring 2016; Fall 2016).
- Human Physiology (ZOOOL 2420) - Department of Biology; Utah Valley University. Lecturer (Fall 2015 & Summer 2017).

The University of Western Australia

- Advanced Human Biological Sciences II (AHEA2204) - Centre for Aboriginal Medical and Dental Health, Faculty of Medicine; The University of Western Australia. Lecturer (2014).
- Introduction to Human Biological Sciences I (AHEA1103) - Centre for Aboriginal Medical and Dental Health, Faculty of Medicine; The University of Western Australia. Lecturer (2014).
- Introduction to Human Biological Sciences II (AHEA1104) - Centre for Aboriginal Medical and Dental Health, Faculty of Medicine; The University of Western Australia. Lecturer (2014).
- Human Biology II (ANHB0035) - School of Indigenous Studies; The University of Western Australia. Lecturer (2012 & 2014).
- Human Biology I (ANHB0034) - School of Indigenous Studies; The University of Western Australia. Lecturer (2012 & 2013).

- Chemistry I (CHEM0036) - School of Indigenous Studies; The University of Western Australia. Lecturer (2012).
- Human Functional Morphology (ANHB3304) - School of Anatomy, Physiology and Human Biology; The University of Western Australia. Lab Instructor (2011).
- Human Functional Anatomy (ANHB2213) - School of Anatomy, Physiology and Human Biology; The University of Western Australia. Lab Instructor (2011).
- Pre-Medicine Summer Course (IMED0090) - Centre for Aboriginal Medicine and Dental Health, Faculty of Medicine; The University of Western Australia. Lecturer (Summer 2011).
- Human Biology II: Being Human (ANHB1102) - School of Anatomy, Physiology and Human Biology; The University of Western Australia. Lecturer and Lab Instructor (2008 - 2011).
- Human Structure and Development (ANHB2212) - School of Anatomy, Physiology and Human Biology; The University of Western Australia. Lecturer and Lab Instructor (2008 - 2011).
- Human Biology I: Becoming Human (ANHB1101) - School of Anatomy, Physiology and Human Biology; The University of Western Australia. Lab Instructor (2008 - 2011).
- Anatomy for Dental Students (IDNT2223) - School of Anatomy, Physiology and Human Biology/Faculty of Dentistry; The University of Western Australia. Lab Instructor (2008).
- Molecules, Genes and Cells (IMED1114) - School of Chemistry and Biochemistry/Faculty of Medicine; The University of Western Australia. Lab Instructor (2007 - 2009).
- Normal Systems (IMED1100) - School of Chemistry and Biochemistry/Faculty of Medicine; The University of Western Australia. Lab Instructor (2007 - 2009).
- Biological Anthropology (ANHB3311) - School of Anatomy, Physiology and Human Biology; The University of Western Australia. Lab Instructor (2007 & 2009).
- Forensic Anthropology (FNSC8612) - Centre for Forensic Science; The University of Western Australia. Lab Instructor (2006).

UNDERGRADUATE RESEARCH STUDENTS MENTORED AT UTAH VALLEY UNIVERSITY

Benjamin Bartlett
 Emily Irwin
 Brayden Mollner
 Skylar Larsen
 Robert Blandon
 Chris Acker
 Cassandra Gonzalez

Stayner Richards
 Claudia Charles
 Colton Utley
 Marshall Walker
 Jake Krebs
 Dallen Johnson
 Kenneth Milne

Michael Stroud
 Brady Smith
 Jeremy Adams
 Joshua Knapton
 Deric Searle
 McKenzie Thompson

AWARDS AND GRANTS

2017 – Scholarly Activities Committee (SAC) Grant, Utah Valley University (\$7,180)
2017 - Undergraduate Research Scholarly and Creative Activities (URSCA) (\$3,000)
2016 – Scholarly Activities Committee (SAC) Grant, Utah Valley University (\$7,180)
2012 – Australian Postgraduate Award (APA) (\$23,728)
2012 – The University of Western Australia Safety Net Top-Up Scholarship (\$3,500)
2011 – Australian Postgraduate Award (APA) (\$23, 728)
2011 – The University of Western Australia Safety Net Top-Up Award (\$3,500)
2010 – University Postgraduate Award (UPA) (\$22, 860)
2010 – The University of Western Australia Safety Net Top-Up Scholarship (\$3,500)
2007 - Australasian Society for Human Biology Postgraduate Travel Scholarship (\$700)

CONFERENCE PROCEEDINGS

- Irwin, E., Mollner, B., Flood, S.J., Kruger, E., Tennant, M. The distribution of private practice dentists in Utah: A high resolution GIS analysis. Utah Conference on Undergraduate Research (UCUR). Utah Valley University. Spring 2017. **[Poster presentation]**
- Irwin, E., Mollner, B., Flood, S.J., Mitchell, W., Tennant, M. Does the distribution of private dentists in Utah, USA match population need? A high resolution GIS analysis. Biology Colloquium. Utah Valley University. Spring 2017. **[Oral presentation]**
- Irwin, E., Mollner, B., Flood, S.J., Mitchell, W., Tennant, M. Does the distribution of private dentists in Utah, USA match population need? A high resolution GIS analysis. Utah Academy of Sciences, Arts and Letters. Utah Valley University. Spring 2017. **[Oral presentation]**
- Flood, S.J., Mitchell, W.J., Franklin, D., Turlach, B.A., Tennant, M., McGeachie, J. The Utility of Smaller Sample Sizes in Forensic Odontology for Age Estimation. 22nd Annual Combined Biological Sciences Meeting. The University of Western Australia. August 2012. **[Poster presentation]**
- Classroom to Courtroom. Proceedings of the 18th International Symposium on the Forensic Sciences, Australian and New Zealand Forensic Science Society. Fremantle, Western Australia. April 2006. **[Conference Facilitator]**
- Flood, S., Franklin, D., Oxnard, C.E., Meyer, J., Dadour, I. Dental development in Western Australian sub adults. Human Biology: Understanding the Past to Inform the Future. Proceedings of The Australasian Society for Human Biology 20th Annual Conference. Royal Melbourne Institute of Technology University (RMIT). December 2006. **[Oral Presentation]**

PEER-REVIEWED PUBLICATIONS

Flood, S.J., Franklin, D., Turlach, B.A., McGeachie, J. (2013) A comparison of Demirjian's four dental development methods for forensic age estimation in South Australian sub-adults. *Journal of Forensic and Legal Medicine*. 20, 875-883. <http://www.ncbi.nlm.nih.gov/pubmed/24112340>

Flood, S.J., Mitchell, W., Oxnard, C.E., Turlach, B.A., McGeachie, J. (2011) A comparison of Demirjian's four dental development methods for forensic age assessment. *Journal of Forensic Sciences*, 56(6), 1610-1615. <http://www.ncbi.nlm.nih.gov/pubmed/21854378>

Flood, S.J., Mitchell, W., Oxnard, C.E., Turlach, B.A., McGeachie, J. (2011) To evaluate the utility of smaller sample sizes when assessing dental maturity curves for forensic age estimation. *Journal of Forensic Sciences*, 56(6), 1604-1609. <http://www.ncbi.nlm.nih.gov/pubmed/21854379>

Flood, S., Franklin, D., Oxnard, C.E., Meyer, J., Dadour, I. (2006). Dental development in Western Australian sub adults. *HOMO – Journal of Comparative Human Biology*, 58, 246-247. **[Published Abstract]**

In Preparation and Review

Irwin, E., Mollner, B., Flood, S.J., Mitchell, W., Kruger, E., Tennant, M. Does the distribution of private dentists in Utah, USA match population need? A high resolution GIS analysis. *Journal of Public Health Dentistry* **[In review]**

Mollner, B., Blandon, R., Knapton, J., Flood, S.J., Kruger, E., Tennant, M. High resolution mapping of reticulated water fluoride in Utah: opportunities to improve oral health. **[In preparation]**

Larsen, S., Charles, C., Walker, M., Flood, S.J., Kruger, E., Tennant, M. Indian Health Services: lack of medical care and availability for Native Americans. **[In preparation]**

SERVICE

To the University

Faculty Senator for Utah Valley University Senate (2016 to present)

Alternate Utah Valley University IRB committee member (2016 to present)

Committee Member for Utah Valley University search committee for College of Science & Health Lecturer (Summer 2016)

Committee Member for Utah Valley University search committee for College of Science & Health Physiology Lab Lecturer (March 2017)

Mentor to the Pre-dentistry club at Utah Valley University (2016 to present)

Committee Member for Teaching and Learning Board at The University of Western Australia (2012-2014)

Master of Ceremonies, Coordinator and Planner for The University of Western Australia Indigenous Graduation Ceremony (2012-2014)

Master of Ceremonies, Coordinator and Planner for The University of Western Australia Centre for Aboriginal Medicine and Dental Health Graduation (2012-2014)

College and Department

Utah Conference on Undergraduate Research (UCUR) – February 2017

Utah Valley University Dean's Day – October 2016

UVYou Day at Utah Valley University – November 2015

The University of Western Australia Sports Day – May 2012-2014

To the Profession

Utah Valley University

- North American Hub Leader for the International Research Collaborative – Oral Health and Equity (2016 to present)
<http://www.aphb.uwa.edu.au/community/IRC-OHE>
- Editor for Biomedical Research and Public Health (2017 to present)
<http://opusjournals.com/journals/biomedical-research-public-health>
- Editor for Human Anatomy Open Access Journal (2016 to present)
<https://medwinpublishers.com/HAOAJ/editorial-board.php>
- Periodic reviewer for European Journal of Forensic Sciences
- Periodic reviewer for Medical Research Archives

The University of Western Australia

- Periodic reviewer for European Journal of Paediatric Dentistry (2012-2014)
- Periodic reviewer for Archives of Oral Biology (2012-2014)