

STEPHANIE SPROWL TANIO

EDUCATION

- University of California, Irvine (UCI) 06/2016
Ph.D. in Biomedical Sciences, Microbiology and Molecular Genetics Department
- California State University, Fullerton (CSUF) 05/2009
B.S. in Biological Sciences, Minor in Chemistry

TEACHING EXPERIENCE (INSTRUCTOR OF RECORD)

- Chapman University, Crean College of Health and Behavioral Sciences, Irvine, CA February 2018–Present
Instructional Assistant Professor, MMS Physician Assistant Studies Program
- Chapman University, Crean College of Health and Behavioral Sciences, Irvine, CA January 2018–February 2018
Lecturer, MMS Physician Assistant Studies Program
- Principles of Medical Science (PAS 500, for Physician Assistant students)
- Golden West College, Huntington Beach, CA Spring 2015–Spring 2018
Adjunct Biology Instructor
- General Microbiology Lecture (Biol G210, for majors)
 - Human Physiology Lecture (Biol G225, for majors)
 - General Biology Lecture (Biol G100, for non-majors)
 - General Biology Laboratory (Biol G100L, for non-majors)
 - Cell and Molecular Biology Laboratory (Biol G180L, for majors)
- Irvine Valley College, Irvine, CA Summer 2016–Spring 2018
Adjunct Biology Instructor
- The Life Sciences Honors Lecture (Bio 1H, for non-majors)
 - The Life Sciences Lecture (Bio 1, for non-majors)
 - Biochemistry for Health Sciences Lecture (Bio 10, for majors)
 - Biochemistry for Health Sciences Laboratory (Bio 10L, for majors)
 - The Life Sciences Laboratory (Bio 1L, for non-majors)
- University of California Irvine, Irvine, CA Winter 2010–Summer 2014
Laboratory Instructor
- Applied Human Anatomy Laboratory (Bio Sci D170L, for majors)
- Discussion Instructor**
- DNA to Organisms (Bio Sci 93 Discussion, for majors)
- California State University Fullerton, Fullerton, CA Fall 2007–Fall 2008
Laboratory Instructor
- Survey of Chemistry Laboratory (Chem 100L, for non-majors)
 - General Chemistry Laboratory (Chem 120AL, for majors)
 - Chemistry for Nursing and Allied Professionals Laboratory (Chem 200L, for majors)

RELATED TEACHING EXPERIENCE

- Golden West College, Huntington Beach, CA
- Substitute Laboratory Instructor**
- Human Physiology Laboratory (Biol G225L, for majors) 12/2017
 - Laboratory topic: Renal regulation of fluid and electrolyte balance/ Clinical examination of urine
 - General Microbiology Laboratory (Biol G210L, for majors) 10/2017

- Laboratory topic: Biochemical test results (including CHO, KIA and IMViC tests)
- General Biology Laboratory (Biol G100L, for non-majors) Spring 2017
 - Substituted for second half of Spring 2017 semester. Received temporary full-time status for teaching load

Guest Lecturer

- General Biology Crash Course (available to all GWC Biol G100 students in the Fall 2017 semester) 09/2017
 - Lecture topic: Introductory Chemistry
- General Biology Crash Course (available to all GWC Biol G100 students in the Spring 2017 semester) 02/2017
 - Lecture topic: Introductory Chemistry
- Cell and Molecular Biology (Biol G180, for majors) 02/2016
 - Lecture topic: Cell Communication

University of California Irvine, Irvine, CA

Guest Lecturer

- Applied Human Anatomy (Bio Sci D170, for majors) 09/2014
 - Lecture topic: The Digestive System
- Biology and Chemistry of Cooking (Bio Sci 9B, for non-majors) 05/2014
 - Lecture topic: Cakes and Cookies

University of California Irvine, Irvine, CA

Winter 2010–Summer 2014

Teaching Assistant

- Applied Human Anatomy Lecture (Bio Sci D170, for majors)
- Biology and Chemistry of Cooking (Bio Sci 9B, for non-majors)
- Stem Cell Biology (Bio Sci D121, for majors)

COMMITTEE AND COMMUNITY COLLEGE SERVICE

Golden West College, Huntington Beach, CA

- **Attend Academic Senate, Flex day and Department meetings** Ongoing
- **Equity Evidence Team** 01/2017–Present
- **Steering and General Committees, Golden West Science Quest Summer Science Camp** 09/2016–Present
- **Scholarship Reviewer** 04/2016

Irvine Valley College, Irvine, CA

- **Honors Advisory Board** 08/2017–06/2018
- **Undergraduate Research Task Force** 08/2017–06/2018
- **Institutional Review Board (IRB) Committee (Alternate)** 09/2017–06/2018
- **Scholarship Reviewer** 02/2017

RELEVANT LEADERSHIP EXPERIENCE

Golden West College, Huntington Beach, CA

- **Accreditation co-author** 06/2017–06/2018
- **Steering Committee Leader** 09/2016–Present
Golden West Science Quest, Youth Summer Science Camp
- **Annual Science Showtime Classroom Presenter/ Coordinator** 09/2016, 09/2017
Classroom activity: Strawberry DNA extraction
- **Equity Workshop Discussion Leader, Syllabi Workshop** 04/2017
Equity and SLO Assessment Meeting

University of California Irvine, Irvine, CA

- **Graduate Student Program Leader** 07/2011–08/2015
UCI Cancer Research Institute Youth Fellows Mentorship Program
- **Graduate Student Representative** 08/2013–09/2014

Department of Microbiology and Molecular Genetics

- **Student Seminar Committee Leader**

08/2012–08/2013

Department of Microbiology and Molecular Genetics

CERTIFICATES, AWARDS, TRAININGS AND FELLOWSHIPS

- **Autism Ally Training**, Golden West College 04/2017
- **Introduction to Teaching with Canvas Certificate**, Golden West College 02/2017
- **Foundation Wish List Award**, Golden West College 02/2017
- **Certificate in Course Design**, Center for Engaged Instruction, UC Irvine 03/2016
- **President's Dissertation Year Fellowship**, UC Irvine 06/2015–05/2016
- **HHMI Pedagogy Fellowship**, UC Irvine 09/2010–09/2011
- **Commencement Speaker**, College of Natural Sciences and Mathematics, Cal State Fullerton 05/2009
- **Crellin Pauling Student Teaching Award**, California State University System 01/2009

PUBLICATIONS

Stephanie Sprowl-Tanio, Amber N. Habowski, Kira T. Pate, Miriam M. McQuade, Kehui Wang, Robert A. Edwards, Felix Grun, Yung Lyou and Marian L. Waterman. 2016

Lactate/ pyruvate transporter MCT-1 is a direct Wnt target gene that confers sensitivity to 3-bromopyruvate in colon cancer.

Cancer and Metabolism. 4(1):20

Kira T. Pate, Chiara Stringari, **Stephanie Sprowl-Tanio**, Kehui Wang, Tara TeSlaa, Nate Hoverter, Miriam McQuade, Chad Garner, Michael Teitell, Robert A. Edwards, Enrico Gratton, Marian L. Waterman. 2014

Wnt signaling directs a metabolic program of glycolysis and angiogenesis in colon cancer.

The EMBO Journal. 33(13):1454-73

Anna Konstorum, **Stephanie Sprowl**, Marian L. Waterman, Arthur D. Lander, and John Lowengrub. 2013

Predicting mechanism of biphasic growth factor action on tumor growth using a multi-species model with feedback control.

Journal of Coupled Systems and Multiscale Dynamics. 1(4):459-467

Stephanie Sprowl and Marian L. Waterman. **Past visits present: TCF/LEFs partner with ATFs for β -catenin-independent activity.** 2013

PLoS Genetics. 9(8):e1003745

Rani Najdi, Kyle Proffitt, **Stephanie Sprowl**, Simran Kaur, Jia Yu, Tracey M. Covey, David M. Virshup and Marian L. Waterman. **A uniform human Wnt expression library reveals a shared secretory pathway and unique signaling activities.** 2012

Differentiation. 84:203-213

Noriko N. Yokoyama, Kira T. Pate, **Stephanie Sprowl**, and Marian L. Waterman. 2010

A role for YY1 in the repression of dominant negative LEF-1 in colon cancer.

Nucleic Acids Research. 38(19):6375-6388

RELEVANT SKILLS

- **Proficient with PC and MAC programs, including Word processing, Excel and Power point**
- **Proficient in Online Class Development programs, including Canvas and Blackboard**
- **Experience with Accreditation review and authorship**
- **Experience with grant writing**
- **Experience with Curriculum Development**
- **Experience with Course SLO administration, assessment and implementation**