

# JODY K. TAKEMOTO, Ph.D. M.Ed.

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## EDUCATION

- 2019 **Master of Education Curriculum and Instruction**; The University of Texas at Tyler, Tyler, Texas
- 2010 **Doctor of Philosophy in Pharmaceutical Sciences**; Washington State University, Department of Pharmaceutical Sciences, Pullman, Washington  
Advisor: Dr. Neal M. Davies  
**Specialty:** *Pharmacokinetics and Pharmacodynamics*  
Dissertation Title: Analytical Method Development, Pharmacokinetics, and Pharmacodynamics of Selected Polyphenols
- 2006 **Bachelor of Science Forensic Science  
Minor Chemistry**; Chaminade University of Honolulu, Honolulu, Hawaii
- 2006 **Bachelor of Arts Biology**, Chaminade University of Honolulu, Honolulu, Hawaii

## PROFESSIONAL EXPERIENCE

- 06/2021-present Chief Pharmacy Officer-Advanta Analytical Laboratories
- The position is accountable for the quality of pharmaceutical care recommendations delivered to intra-organization and inter-organization stakeholders and must ensure that quality guidelines are properly adhered to and regulatory functions are closely managed. Supports the design and implementation of quality and safety initiatives to improve the quality of laboratory delivery and achieve College of American Pathologists (CAP) standards. The CPO also provides guidance to affiliate clients to share best practices and advise on critical pharmacy policies and standards.
  - Provide strategic management of pharmacology operations by establishing and supporting programs in accordance with CAP.
  - Lead strategic discussions to ensure operational efficiency, optimizing expense management and clinical efficiency.
  - Provide oversight to ensure pharmacology operations are compliant with regulatory and licensing standards.
  - Lead strategic discussions to align clinical programs and quality of care.
- 06/2021-present **Principal Consultant**, ScientifiCation, Tyler, Texas; Clovis, California  
Select Accomplishments
- Oversaw medical education projects, managed deliverables, consulted for academic intuitions and stakeholders, generated new leads, engaged in scientific exchange, and developed presentations, workshops, and publications for C-Suite executives, HCPs, and Primary Investigators.

**Medical Education Expertise**

- Guided healthcare education programs and drove continuous quality improvement to ensure student and institution success and alignment with business requirements and strategic plans for clients.
- Served as a trusted advisor and resource for TLs, KOLs, and HCPs by building and maintaining relationships to drive positive health outcomes for patients and increased access.
- Created educational outcomes and course content, conducted assessments and item analysis, analyzed learning objectives, and spearheaded new professional development efforts.

**Program Development**

- Fielded inquiries and RFEs from academic institutions and customers for the development and enhancement of medical education programs.
- Assessed landscape of client needs and goals to develop customized scaffold workshops and train-the-trainer courses in education, assessment, research, and scholarship.

**Research & Scholarship**

- Advised scientific and clinical laboratory clinical data analysis using IHC guidelines.
- Wrote grants, manuscripts, book chapters, presentations, and workshops.
- Developed grant budgets and trainings for staff on teaching technology, pedagogy, and Zoom.

06/2019-06/2021

**Associate Professor**, California Health Sciences University, College of Osteopathic Medicine; Department of Biomedical Sciences

**Select Accomplishments**

- Executed team-based learning instruction in cell biology, biochemistry, pharmacology, immunology, drug development, laboratory values, and clinical reasoning for 82 osteopathic medical students.
- Founding Faculty in the Department of Biomedical Education – Pharmacology
- Collaborating, coordinating, and management of subject matter expert curricular teams, with scalable and accurate monitor of longitudinal student achievement
- Academic leadership in training and professional development activities (15+) in exam and objective item writing, best practices in assessment, evaluation, computer hardware and software, classroom technology and tools, and technical skills for effective instruction and teaching for faculty/staff (>50) and students (>80)
- Development and implementation of extensive, effective, and efficient assessment and consistent application of policies, procedures, strategic planning, for scalability and sustainability with growth of the College and University
- Adept at identification, prioritizing, monitoring, and evaluation of processes, outcomes, and projects using best practices in assessment for continuous improvement
- Independent, organized, and responsible for building and maintenance initial digital and traditional programmatic curricular, assessment, and research files to maximize efficiency through effective communication, with recommendation from COCA accreditation

- Collaboration, coordination, implementation and management of educational research with teams intra- and inter-department, college, and institution developing into evidenced based teaching and learning practices

06/2014-06/2019

**Assistant Professor**, The University of Texas at Tyler; Ben and Maytee Fisch College of Pharmacy; Department of Pharmaceutical Sciences  
Select Accomplishments

- Founding Faculty in the Department of Pharmaceutical Sciences – Pharmacokinetics
- Designed, developed, coordinated, and implemented pharmacokinetics, cell biology, pharmacodynamics, biopharmaceutics, drug development, drug toxicities, basic toxicology, and critical thinking across a pharmacy curriculum for 78-108 students in an integrated curriculum
- Co-Chair of assessment and evaluation section of college accreditation self-study, at a new College of Pharmacy, culminating in on-time full accreditation by ACPE
- Trusted advisor, coach, mentor and resource to committees, staff, and faculty on assessment, curricular development, research/scholarship, technology, short- and long- term key performance indicators
- Timely review of reports, dashboards, and assessment software (TracDat) to identify and evaluate, effectiveness and implementation of best business, curricular, and assessment practices for continuous quality improvement college wide culminating to successful accreditation (SACSCOC and ACPE) reports and visits
- Conducted faculty and staff workshops (5+) on curricular and assessment best practices

09/2011-05/2014

**Store Associate**, Office Max, Honolulu, Hawaii

- Delivered solutions to client's office product needs, conducted customized customer printing, performed graphics design, and ensured alignment with customer business requirements.

05/2011-05/2014

**Research Affiliate/Assistant Research Professor**

01/2011-05/2014

**MMID/CMB Research Specialist/Post-Doc**, University of Hawaii-JABSOM; Department of Cell and Molecular Biology

Select Accomplishments

- Designed, implemented, managed, and maintained assays for a cellular and molecular laboratory
- Provided pharmacology instruction to medical students
- Facilitated journal club for graduate students on oxidative stress
- Assisted in instruction of topics in pharmacology, to first-year allopathic medical students (52-82).
- Advising of graduate and doctoral level students (5+) on laboratory techniques and career.

08/2007-12/2010

**Graduate Student/Teaching Assistant**, Washington State University, Department of Pharmaceutical Sciences

Select Accomplishments

- Facilitated peer achievement in pharmacokinetics
- Accomplished pre-clinical pharmacometrics research
- Guided peers in topics of pharmacokinetics and immunology at a pharmacy school

- Coached peers in cellular and organismal biology, chemistry, physics, and algebra didactic and cellular and organismal biology, physics, and analytical chemistry laboratory courses

08/2005-07/2007

**Laboratory Assistant I**, Diagnostic Laboratory Services

## Select Accomplishments

- Providing exceptional customer service to internal and external customers.
- Procures or receives biological specimens including Forensic Toxicology specimen collections.
- Accessioning and verification of specimen integrity and specimen identification.

**PUBLICATIONS AND PRESENTATIONS***Peer Reviewed Journal Articles*

46. Carpenter RE, Coyne L, **Takemoto JK**. Developing Numeracy Skills with TBL. *American Journal of Pharmacy Education*. In preparation
45. **Takemoto JK**, Cook S. Evaluation of a Portfolio-Based Training Program. In preparation
44. **Takemoto JK**, Sharpton RA, Parmentier BL, Merritt TA, Coyne L. The RAPsody of Team-Based Learning. *American Journal of Pharmacy Education*. In preparation
43. Carpenter RE, Silberman DA, **Takemoto JK**. Student engagement from team-based learning in a college of pharmacy: A qualitative case study. *American Journal of Pharmacy Education*. Accepted
42. Coyne L, **Takemoto JK**, Merritt TA, Bratteli RA, Parmentier BL. Virtual Reality for Medical Education: A Survey of Instructor Perspectives. *Medical Science Educator*. Submitted
41. Silberman D, Carpenter R, **Takemoto JK**, Coyne L. The Impact of Team-Based Learning on the Critical Thinking Skills of Pharmacy Students. *Currents in Pharmacy Teaching and Learning*. October 7, 2020. Epub ahead of print  
<https://doi.org/10.1016/j.cptl.2020.09.008>
40. Bondaryk L, DeMara RF, **Takemoto JK**, Tian T. Theme 1A: Activity Authoring. In R. F. DeMara, L. O. Campbell, R. Hartshorne, and S. Spiegel, "Report from the NSF Synthesis and Design Workshop: Digitally-Mediated Team Learning," National Science Foundation (NSF) Project 1825007, September 24, 2019. Available at:  
[https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=1825007](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1825007)
39. Bondaryk L, DeMara RF, Lyons L, O'Dwyer B, Soloway E, **Takemoto JK**, Zhang J. Theme 1B: Student-Facing Delivery. In R. F. DeMara, L. O. Campbell, R. Hartshorne, and S. Spiegel, "Report from the NSF Synthesis and Design Workshop: Digitally-Mediated Team Learning," National Science Foundation (NSF) Project 1825007, September 24, 2019. Available at:  
[https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=1825007](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1825007)
38. Bondaryk L, DeMara RF, Lyons L, O'Dwyer B, Soloway E, **Takemoto JK**. Theme 1C: Instructor Orchestration and Assessment Tools. In R. F. DeMara, L. O. Campbell, R. Hartshorne, and S. Spiegel, "Report from the NSF Synthesis and Design Workshop: Digitally-Mediated Team Learning," National Science Foundation (NSF) Project 1825007, September 24, 2019. Available at:  
[https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=1825007](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1825007)
37. Coyne L, Howard W, Lyons L, **Takemoto JK**. Theme 1D: Educational Games / XR. In R. F. DeMara, L. O. Campbell, R. Hartshorne, and S. Spiegel, "Report from the NSF Synthesis and Design Workshop: Digitally-Mediated Team Learning," National Science Foundation (NSF) Project 1825007, September 24, 2019. Available at:  
[https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=1825007](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1825007)

36. Bondaryk L, DeMara RF, Dorodchi M, Howard W, Lyons L, **Takemoto JK**. Theme 1E: Standards and Clearinghouses. In R. F. DeMara, L. O. Campbell, R. Hartshorne, and S. Spiegel, "Report from the NSF Synthesis and Design Workshop: Digitally-Mediated Team Learning," National Science Foundation (NSF) Project 1825007, September 24, 2019. Available at: [https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=1825007](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1825007)
35. Hartshorne R, Esteves H, **Takemoto JK**, Walsh KC. Theme 3A: Pedagogical Methods for Team Management. In R. F. DeMara, L. O. Campbell, R. Hartshorne, and S. Spiegel, "Report from the NSF Synthesis and Design Workshop: Digitally-Mediated Team Learning," National Science Foundation (NSF) Project 1825007, September 24, 2019. Available at: [https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=1825007](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1825007)
34. Dede C, Hartshorn R, Coyne, L, **Takemoto JK**. Theme 3C: Emerging Pedagogical Strategies. In R. F. DeMara, L. O. Campbell, R. Hartshorne, and S. Spiegel, "Report from the NSF Synthesis and Design Workshop: Digitally-Mediated Team Learning," National Science Foundation (NSF) Project 1825007, September 24, 2019. Available at: [https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=1825007](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1825007)
33. **Takemoto JK**, Bratteli RA, Parmentier BL, Merritt TA, Coyne L. Extended Reality in Patient Care and Pharmacy Practice, A Viewpoint. *Journal of Contemporary Pharmacy Practice*, 1 September 2019; 66
32. Johnson C, **Takemoto JK**. A Review of Beneficial Low-Intensity Exercises in Diabetic Peripheral Neuropathy Patients. *Journal of Pharmacy and Pharmaceutical Sciences*, 2019 22 (1): 22-27, 2019. DOI: 10.18433/jpps30151
31. Coyne L, Sharpton RA, Parmentier BL, Merritt T, **Takemoto JK**. The Past, Present, and Future of Virtual Reality in Pharmacy Education. *American Journal of Pharmacy Education*. 2019 Apr;83(3):7456. DOI: 10.5688/ajpe7456
30. Nguyen N, **Takemoto JK**. A Case for Alpha-Lipoic Acid as an Alternative Treatment for Diabetic Polyneuropathy. *Journal of Pharmacy and Pharmaceutical Sciences*. 2018. 21 (1s):177s—191s. DOI: 10.18433/jpps30100.
29. Coyne L, **Takemoto JK**, Parmentier BL, Merritt T, Sharpton RA. Exploring Virtual Reality as a Platform for Distance Team-Based Learning. *Currents in Pharmacy Teaching and Learning*. 2018 Oct; 10(10): 1384-1390. DOI: 10.1016/j.cptl.2018.07.005. Epub 2018 Jul 21.
28. Arce-Esquivel AA, Duke G, **Takemoto JK**, Rizer CA, Ballard JE. Effects of Light Therapy on Vascular Function in Patients with Diabetic Peripheral Neuropathy. *Cardiology and Vascular Research*. 2018; 2(3): 1-6.
27. Geffner ME, Patel K, Jacobson DL, Wu J, Miller TL, Hazra R, Gerschenson M, Sharma T, Silio M, Jaso, J, **Takemoto JK**, Van Dyke, RB, DiMeglio L. Changes in Insulin Sensitivity over Time and Associated Factors in HIV-Infected Adolescents. *AIDS*. 2018 Mar 13;32(5):613-622. DOI: 10.1097/QAD.0000000000001731. PMID: PMC5832600
26. **Takemoto JK**, Miller TL, Wang JJ, Jacobson DL, Geffner ME, Van Dyke RB, Gerschenson M. Pediatric HIV/AIDS Cohort Study. Insulin Resistance in HIV-Infected Youth is Associated with Decreased Mitochondrial Respiration. *AIDS*. 2017 Jan 2;31(1):15-23. PubMed PMID: 27755108; PubMed Central PMCID: PMC5131681.
25. **Takemoto JK**, Remsberg CM, Davies NM. Pharmacologic Activities of 3'-Hydroxypterostilbene: Cytotoxic, Anti-Oxidant, Anti-Adipogenic, Anti-Inflammatory, Histone Deacetylase and Sirtuin 1 Inhibitory Activity. *Journal of Pharmacy and Pharmaceutical Sciences*. 2015 Nov; 18(4):713-27.
24. Remsberg CM, Martinez SE, Akinwumi BC, Anderson HD, **Takemoto JK**, Sayre CL, Davies NM. Preclinical Pharmacokinetics and Pharmacodynamics and Content Analysis of Gnetol in Foodstuffs. *Phytother Res*. 2015 Aug;29(8):1168-79. DOI: 10.1002/ptr.5363.

23. **Takemoto JK**, Juan JG, Leake A, Chow DC, Bermudo V, Libutti DE, Mau M, Gerschenson M. Metabolic and Mitochondrial Parameters in Assessing Type 2 Diabetes and Obesity in a Geriatric Filipino Population. *Hawai'i Medical Journal*. Accepted 2013
22. Remsberg CM, Zhao Y, **Takemoto JK**, Bertram RM, Davies NM, Forrest ML. Pharmacokinetic Evaluation of DSPE-PEG<sub>2000</sub> Micellar Formulation of Ridaforolimus in Rat. *Pharmaceutics*. 2013, 5(1), 81-93.
21. Sayer CL, **Takemoto JK**, Martinez DE, Davies NM. Chiral Analytical Method Development and Application to Pre-Clinical Pharmacokinetics of Pinocembrin. *Journal of Biomedical Chromatography*. 2013 Jun;27(6):681-4.
20. Sayre CL, Hopkins M, **Takemoto JK**, Davies N. Chiral Analytical Method Development of Liquiritigenin with Application to Pharmacokinetic Study. *Journal of Biomedical Chromatography*. 2013 Mar; 27 (3):404-6.
19. Sayre CL, Zhang Y, Martinez S, **Takemoto JK**, Davies N. Stereospecific Analysis Method Development, Nutraceutical Detection Analysis, and Preliminary in vivo Pharmacokinetic Characterization of Pinostrobin in the Rat. *Journal of Pharmaceutical and Biomedical Analysis*. 2013 May;27(5):548-50.
18. **Takemoto JK**, Gerschenson M. HIV Metabolic Disease: The Mitochondria-Adipocyte Connection. *AIDS Clinical Care*. July 11, 2012
17. Mohamed EA, Meshali MM, Remsberg CM, Zhao Y, Borg TM, Foda AMM, **Takemoto JK**, Davies NM, Forrest ML. Vorinostat with Sustained Release and High Solubility in Poly(ethylene glycol)-b-poly(DL-lactic acid) Micelle Nanocarriers: Characterization and Effects on Pharmacokinetics in Rat Serum and Urine. *Journal of Pharmaceutical Sciences*. 2012 Oct; 101(10):3787-98
16. Martinez SE, Bowen KA, Remsberg CM, **Takemoto JK**, Wright HM, Chen-Allen AV, Davies NM. High-Performance Liquid Chromatographic Analysis of Lacosamide in Canine Serum Using Ultraviolet Detection: Application to Pre-Clinical Pharmacokinetics. *Journal of Biomedical Chromatography*. 2012 May; 26 (5):606-9.
15. Miller TL, Wang JJ, Jacobson DI, **Takemoto JK**, Sharma T, Geffner M, Libutti DE, Siminski S, dooley L, Somarriba G, Graham P, Gerschenson M. Mitochondrial Function and Insulin Resistance in Children with Perinatally-Acquired HIV Infection Enrolled in the Pediatric HIV/AIDS Cohort Study (PHACS). *Journal of the International AIDS Society*. 2012 Oct; 15:69-70.
14. Diezi TA, **Takemoto JK**, Davies NM, Kwon GS. Pharmacokinetics and Nephrotoxicity of Amphotericin B-incorporated Poly(ethylene glycol)-block-poly(N-hexyl sterate L-aspartamide) Micelles. *Journal of Pharmaceutical Sciences*. 2011 Jun; 100(6):2064-70.
13. **Takemoto JK**, Davies NM. Method Development for  $\beta$ -glucogallin and Gallic Acid Analysis: Application to Pharmacokinetic Studies. *Journal of Pharmaceutical and Biomedical Analysis*. 2011 Mar 25;54(4):812-6.
12. Remsberg CM, **Takemoto JK**, Bertram RM, Davies NM. High-Performance Liquid Chromatography Assay of Gnetol in Rat Serum and Application to Pre-Clinical Pharmacokinetic Studies. *Journal of Pharmaceutical and Biomedical Analysis*. 2011 Mar 25;54(4):878-81.
11. Serve KM, Darnell J, **Takemoto JK**, Davies NM, Black ME. Validation of an Isocratic HPLC Method to Detect 2-Fluoro- $\beta$ -Alanine for the Analysis of Dihydropyrimidine Dehydrogenase Activity. *Journal of Chromatography B, Analytical Technologies in the Biomedical and Life Sciences*. 2010 Jul 1; 878(21):1889-92.
10. Vega-Villa, KR, Remsberg CM, **Takemoto JK**, Ohgami Y, Yáñez JA, Andrews P, Davies NM. Stereospecific Pharmacokinetics of Racemic Homoeriodictyol, Isosakuranetin, and Taxifolin in Rats and Their Disposition in Fruit. *Chirality*. 2011 Apr;23(4):339-48.

9. Mejia-Meza E, Yáñez JA, Remsberg CM, **Takemoto JK**, Davies NM, Rasco B, Clary C. The Effect of Dehydration on Raspberries: Polyphenol Retention, Total Polyphenols and Anthocyanins, Antioxidant Activity and Adipogenesis. *Journal of Food Science*. 2010; 75(1): H5-H12.
8. Davies NM, **Takemoto JK**, Brocks DR, Yanez JA. Multiple Peaking Phenomena in Pharmacokinetic Disposition. *Clinical Pharmacokinetics*. 2010 Jun;49(6):351-77.
7. Bertram RM, **Takemoto JK**, Remsberg CM, Vega-Villa KR, Sablani, S, Davies NM. High Performance Liquid Chromatographic Analysis: Applications to Nutraceutical Content and Urinary Disposition of Oxyresveratrol in Rats. *Biomedical Chromatography*. 2010 May;24(5):516-21.
6. **Takemoto JK**, Davies NM. A High-Performance Liquid Chromatographic Analysis and Preliminary Pharmacokinetic Characterization of 3-hydroxypterostilbene in Rats. *Biomedical Chromatography*. 2009 Oct;23(10):1086-91.
5. Ramos Escudero R, Ramos Escudero DF, Remsberg CM, **Takemoto JK**, Davies NM, Yáñez JA. Identification of Polyphenols and Anti-Oxidant Capacity of Piper aduncum L. *The Open Bioactive Compounds Journal*. 2008; 1:18-21
4. **Takemoto JK**, Remsberg CM, Yáñez JA, Vega-Villa KR, Davies NM. Stereospecific Analysis of Sakuranetin by High-Performance Liquid Chromatography Application in Pharmacokinetics and Botanicals. *Journal of Chromatography B Analytical Technologies in the Biomedical Life Sciences*. 2008; 875:136-141.
3. **Takemoto JK**, Reynolds JK, Remsberg CM, Vega-Villa, KR, Davies NM. Clinical Pharmacokinetics and Pharmacodynamics of Etoricoxib. *Clinical Pharmacokinetics*. 2008; 47(11): 703-720.
2. Vega-Villa KR, **Takemoto JK**, Yáñez JA, Remsberg CM, Ohgami Y, Davies NM. Clinical Toxicities of Nanocarrier Systems. *Advanced Drug Delivery Reviews*. 2008; 60 (8):929-938.
1. Vega-Villa KR, Remsberg CM, Yáñez JA, **Takemoto JK**, Andrews PK, Davies NM. Stereospecific High-Performance Liquid Chromatographic Validation of Taxifolin in Rat Serum, Tufuling (*Rhizoma smilacis glabrae*), and Apple (*Malus x domestica*). *Biomedical Chromatography*. 2009; 23 (6):638-646.

#### Peer Reviewed Abstracts and Poster Presentations

45. **Takemoto JK**, Silberman D, Carpenter R, Coyne L. The Impact of Team-Based Learning on the Critical Thinking Skills of Pharmacy Students. Currents in Pharmacy Teaching and Learning. 25<sup>th</sup> Annual IAMSE Virtual Conference. June 14-17, 2021. Outstanding Poster Presentation Award Winner
44. **Takemoto JK**, Coyne L. Implementing the Modified Michaelsen-Koles' Peer Evaluation Method in a Team-Based Learning Curriculum. 24<sup>th</sup> Annual IAMSE Conference. Denver, CO. June 13-17, 2020 which was cancelled due to COVID-19.
43. **Takemoto JK**, Boyanovsky B. A simple methodology to distribute teaching material in a multimodal curriculum in a consistent and reproducible manner. 19<sup>th</sup> Annual Team-Based Learning Conference. Portland, OR. March 14-17, 2020, which was cancelled due to COVID-19.
42. **Takemoto JK**, Coyne L. A Modified Michaelsen-Koles' Peer Evaluation Method in Team-Based Learning. 19<sup>th</sup> Annual Team-Based Learning Conference. Portland, OR. March 14-17, 2020, which was cancelled due to COVID-19.
41. Coyne L, Romerill D, Clapp P, **Takemoto JK**. Faculty Job Satisfaction in Pharmacy Schools that Utilize Team-Based Learning. 19<sup>th</sup> Annual Team-Based Learning Conference. Portland, OR. March 14-17, 2020, which was cancelled due to COVID-19.
40. **Takemoto JK**, Sharpton RA, Parmentier BL, Merritt TA, Coyne L. The RAPsody of Team-Based Learning. 19<sup>th</sup> Annual Team-Based Learning Conference. Portland, OR. March 14-17, 2020 which was cancelled due to COVID-19).

39. Boyanovsky B, **Takemoto JK**. A simple methodology to distribute teaching material to TBL sessions, DSA and ILS in a consistent and reproducible manner. CHSU-Educational Summit. Clovis, CA. November 6, 2019
38. **Takemoto JK**, Coyne L. A Modified Michaelsen-Koles' Peer Evaluation Method in Team-Based Learning. CHSU-Educational Summit. Clovis, CA. November 6, 2019
37. Parmentier BL, Sharpton RA, Merritt T, Coyne L, **Takemoto JK**. Distance Team-Based Learning with Virtual Reality: Is Social Interaction Enough? 18<sup>th</sup> Annual Team-Based Learning Conference. Tampa, FL. March 14-16, 2019
36. **Takemoto JK**, Sharpton RA, Parmentier BL, Merritt T, Coyne L. The Use of Virtual Reality for Distance Team-Based Learning. 17<sup>th</sup> Annual Team-Based Learning Conference. San Diego, CA. March 1-3, 2018
35. Snella KA, Gunaseelan S, Yu F, Coyne L, **Takemoto JK**. Use of the Jefferson Scale of Empathy to Assess Professional Development in the Pharm.D. Curriculum. American Association of Colleges of Pharmacy Annual Meeting. Nashville, TN. July 15-19, 2017
34. Pearson DN, Pearson A, **Takemoto JK**. TBL Dungeon Master: Their Role in the Biochemistry Classroom. 6<sup>th</sup> International Association of Biochemistry Educators Conference: Teaching Biochemistry to Students of Dentistry, Medicine, and Pharmacy. Clearwater Beach, FL. May 7-11, 2017
33. **Takemoto JK**, Merritt T, Coyne L. Using Technology to Enhance Team-Based Learning. The University of Texas at Tyler- Research Council Poster Session. The University of Texas at Tyler, UC Ballroom: Research Council. May 1, 2017
32. **Takemoto JK**. Overview to the Effects of Melatonin on Mitochondrial Relevant Biomarkers in Diabetes. The University of Texas at Tyler- Research Council Poster Session. The University of Texas at Tyler, UC Ballroom: Research Council. May 2, 2016
31. **Takemoto JK**, Wang JJ, Jacobson DI, Miller TL, Gerschenson M. Mitochondrial Cellular Respiration Correlates with Insulin Resistance in a HIV-Infected Pediatric Patients. Conference on Retroviruses and Opportunistic Infections. Boston, MA, USA. March 3-6, 2014. Accepted for poster presentation #376.
30. Sharma, T, Wang JJ, **Takemoto JK**, Jacobson DI, Gerschenson D, Geffner M, Butler L, Graham P, Van Dyke R, Miller TL. Metabolic Abnormalities and Mitochondrial Function in Children with Perinatally-Acquired HIV Infection in the Pediatric HIV/AIDS Cohort Study (PHACS). ID Week 2013. San Francisco, CA, USA. October 2-6 2013. Accepted for poster presentation #411
29. **Takemoto JK**, Miller TL, Wang J, Jacobson DL, Sharma T, Geffner M, Libutti DE, Siminski S, Dooley L, Somarriba G, Graham P, Gerschenson. Mitochondrial Function & Insulin Resistance in Children with Perinatally-Acquired HIV Infection in the PHACS. Biomedical Sciences and Health Disparities Symposium. Honolulu, HI, USA. April 8-9, 2013. Accepted for poster presentation.
28. **Takemoto JK**, Choi J, Shikuma CM, Ananworanich J, Bennett K, Prahirunkit P, Hongchookiat P, Mathajittiphun P, LiBuitti DE, DeGruttola V, Phanuphak N, Chomchey N, Rungrojrat P, Teeratakulpisarn N, Phanuphak P, Jadwattanakul T, Gerschenson M. Baseline PBMC OXPHOS Enzymes Can Predict Fat Changes At 24 or 72 Weeks in Thai Subjects Initiated on HAART. Mitochondrial Medicine-2012, United Mitochondrial Disease Foundation. Bethesda, MD, USA. June 12-16, 2012. Accepted for poster presentation.
27. Sayre C, Remsberg CM, **Takemoto JK**, Hopkins M, Zhang Y, Liu M, Davies NM. Chiral Analytical Method Development of the Flavonoids: Pinocembrin, Liquiritigenin and Pinostrobin. American Association of Pharmaceutical Scientists. Washington, District of Columbia, USA, October 23-27, 2011

26. Diezi TA, **Takemoto JK**, Davies NM, Kwon GS. Altered Pharmacokinetics and Reduced Nephrotoxicity of Amphotericin B in PEG-*block*-poly(N-hexyl state L-aspartamide) Micelles. American Association of Pharmaceutical Scientists. New Orleans, Louisiana, USA, November 14-18, 2010.
25. Remsberg CM, **Takemoto JK**, Forrest ML, Davies NM. Pharmacodynamics and pharmacokinetic disposition of a micellar nanoformulation of ridaforolimus, a new mTOR inhibitor, in rats. American Association of Pharmaceutical Scientists. New Orleans, Louisiana, USA, November 14-18, 2010.
24. Remsberg CM, **Takemoto JK**, Forrest ML, Davies NM. Quantitative determination of ridaforolimus, a mTOR inhibitor, in rat plasma using LC/ESI/MS. American Association of Pharmaceutical Scientists. New Orleans, Louisiana, USA, November 14-18, 2010.
23. **Takemoto JK**, Remsberg CM, Davies NM Histone Deacetylase Inhibitor, Suberoylanilide Hydroxamic Acid: Nanomicellar Delivery, Pharmacokinetics, and Pharmacodynamics. American Association of Pharmaceutical Scientists. New Orleans, Louisiana, USA, November 14-18, 2010.
22. **Takemoto JK**, Davies NM. High Performance Liquid Chromatography-Mass Spectrometry Analytical Method Development for the Simultaneous Detection of Beta-glucogallin and Gallic Acid. American Association of Pharmaceutical Scientists. New Orleans, Louisiana, USA, November 14-18, 2010.
21. **Takemoto JK**, Bertram RM, Remsberg CM, Sablani SS, Davies NM. Mechanistic Action and Disposition and Crystalline Polymorphisms of Oxyresveratrol. Canadian Society for Pharmaceutical Sciences. Richmond, British Columbia, Canada, June 2-5, 2010.
20. Remsberg CM, **Takemoto JK**, Bertram RM, Forrest, ML, Davies NM. Development of a novel micelle formulation and pharmacometrics of the mTor inhibitor, deforolimus. Canadian Society for Pharmaceutical Sciences. Richmond, British Columbia, Canada, June 2-5, 2010.
19. Remsberg CM, **Takemoto JK**, Forrest, ML, Davies NM. Nanoformulation development and pharmacometrics of the histone deactylase inhibitor, vorinostat. Canadian Society for Pharmaceutical Sciences. Richmond, British Columbia, Canada, June 2-5, 2010.
18. Remsberg CM, **Takemoto JK**, Bertram, RM, Davies NM. Characterization of the pharmacokinetics and pharmacological activities of gnetol. Canadian Society for Pharmaceutical Sciences. Richmond, British Columbia, Canada, June 2-5, 2010.
17. **Takemoto JK**, Vega-Villa, KR, Remsberg CM, Bertram, RM, Davies NM. Pharmacokinetics, Pharmacodynamics and Assay Development of 3'-hydroxypterostilbene. Canadian Society for Pharmaceutical Sciences. Richmond, British Columbia, Canada, June 2-5, 2010.
16. **Takemoto JK**, Davies NM. Pharmacokinetics, and Pharmacodynamics and Liquid Chromatography Mass Spectrometry Assay Methodology of  $\beta$ -glucogallin and Gallic Acid. Canadian Society for Pharmaceutical Sciences. Richmond, British Columbia, Canada, June 2-5, 2010.
15. **Takemoto JK**, Vega-Villa KR, Remsberg CM, Bertram RM, Davies NM. Assay Development, Pre-Clinical Pharmacokinetics, and Pharmacodynamic Analysis of 3'-hydroxypterostilbene. AAPS National Biotechnology Conference. San Francisco, California, USA, May 16-19, 2010.
14. **Takemoto JK**, Davies NM. Method Development, Preclinical Pharmacokinetics, and Pharmacodynamics of  $\beta$ -glucogallin and Gallic Acid. AAPS National Biotechnology Conference. San Francisco, California, USA, May 16-19, 2010.
13. **Takemoto JK**, Vega-Villa KR, Remsberg CM, Bertram RM, Davies NM. Assay Development, Pre-Clinical Pharmacokinetics, and Pharmacodynamic Analysis of 3'-hydroxypterostilbene. College of Pharmacy, Department of Pharmaceutical Sciences Research Day 2009. Pullman, Washington, USA, August 19, 2009.

12. Vega-Villa KR, Remsberg CM, **Takemoto JK**, Oghami Y, and Davies NM. Disposition and Evaluation of Pharmacological Properties of Selected Chiral Flavonoids. The 52<sup>nd</sup> Western Pharmacology Society Meeting, Acapulco, Mexico, February 8-12, 2009
11. Bermudez-Aguirre D, Yáñez JA, Dunne CP, **Takemoto JK**, Davies NM, Barbosa-Canovas GV. Determination of allura red (red # 40) by reverse-phase high-performance liquid chromatography (RP-HPLC) in strawberry flavored milk under pulsed electric field processing. Institute of Food Technologists (IFT) Annual Meeting and Food Expo 2008, New Orleans, Louisiana, USA, June 28-July 2, 2008. Presentation: 012-16.
10. Yáñez JA, Vilcapoma Vilcapoma E, Arenas Chávez C, Manrique Valdivia LM, Vera Gonzáles C, Remsberg CM, **Takemoto JK**, Davies NM. Determination of the Polyphenolic Profile, Anti-Oxidant Capacity and Anti-Cancer Activity of Methanol and Aqueous Extracts of Various Latin-American Medicinal Plants. The 2008 International Conference on Polyphenols, Salamanca, Spain, July 8-11, 2008.
9. **Takemoto JK**, Yáñez JA, Remsberg CM, Vega-Villa KR, Ohgami Y, Davies NM. Stereospecific Analysis of Sakuranetin: Pre-Clinical Pharmacokinetics, Anti-Cancer Activity and Content in Fruits and Plants. The 2008 International Conference on Polyphenols, Salamanca, Spain, July 8-11, 2008.
8. Vega-Villa KR, Remsberg CM, Yáñez JA, **Takemoto JK**, Andrews PK, Davies NM. Stereospecific High-Performance Liquid Chromatographic Analysis of Selected Chiral Flavonoids, *Eriodictyon glutinosum*, *Malus x domestica*, and *Citrus paradisi* Extracts, and Evaluation of Anti-Cancer, Anti-Inflammatory, and Anti-Oxidant Properties. The 2008 International Conference on Polyphenols, Salamanca, Spain, July 8-11, 2008.
7. Remsberg CM, Yáñez JA, Vega-Villa KR, **Takemoto JK**, Andrews PK, Davies NM. Attenuation of *in vitro* and *in vivo* inflammatory bowel disease by polyphenolic compounds and *Malus x domestica* extracts. The 2008 International Conference on Polyphenols, Salamanca, Spain, July 8-11, 2008.
6. Remsberg CM, Yáñez JA, Vega-Villa KR, **Takemoto JK**, Andrews PK, Davies NM. Analysis of selected polyphenols and *Malus x domestica* extracts in an *in vitro* adipogenesis model. The 2008 International Conference on Polyphenols, Salamanca, Spain, July 8-11, 2008.
5. Cuthbertson DJ, Yáñez JA, Remsberg CM, Vega-Villa K, **Takemoto JK**, Ohgami Y, Collier M, Andrews PK, Reganold JP, Davies NM, Lange BM. High throughput profiling of fruits for phytochemicals related to human health. Annual Meeting of the Phytochemical Society of North America, Pullman, Washington, USA, June 25-30, 2008
4. **Takemoto JK**, Yáñez JA, Remsberg CM, Vega-Villa KR, Ohgami Y, Davies NM. Anti-Cancer Activity, Pre-Clinical Pharmacokinetics, and Stereospecific Separation and Analysis of Sakuranetin in Fruits and Plants. The Canadian Society of Pharmaceutical Scientists 11<sup>th</sup> Annual International Symposium, Banff, Alberta, Canada, May 22-24, 2008.
3. Remsberg CM, Yáñez JA, Vega-Villa KR, **Takemoto JK**, Andrews PK, Davies NM. Examination of selected polyphenols and *Malus x domestica* extracts in attenuating inflammatory bowel disease in *in vitro* and *in vivo* models. The Canadian Society of Pharmaceutical Scientists 11<sup>th</sup> Annual International Symposium, Banff, Alberta, Canada, May 22-24, 2008.
2. Remsberg CM, Yáñez JA, Vega-Villa KR, **Takemoto JK**, Andrews PK, Davies NM. Modulation of lipid accumulation in 3T3-L1 cells by selected polyphenols and *Malus x domestica* extracts in an *in vitro* adipogenesis model. The Canadian Society of Pharmaceutical Scientists 11<sup>th</sup> Annual International Symposium, Banff, Alberta, Canada, May 22-24, 2008.
1. **Takemoto JK**, Wakano C, Yanagihara A, Turner H, Stokes A. Expression of the TPCN1 cation channel in differentiating myocytes. Infrastructure Development Networks for Biomedical Research Excellence, Honolulu, Hawaii, USA, August 3, 2007

**Peer Reviewed Oral Presentations**

5. Leiva M, **Takemoto JK**. The Alphabet Soup of LGBTQ+; Faculty Development in Superior Skills for Diversity. American Association of College of Pharmacy Annual Meeting. April 29, 2021. (Initially accepted for 2020 Annual Meeting)
4. **Takemoto JK**, Burns C. Digging Deeper into Different Types of Mentoring Relationships, How to Make them Work for YOU. 1 TBL @ CHSU 2020. Clovis, CA. March 17, 2020).
3. **Takemoto JK**, Coyne L, Merritt T. The RAPsody of Virtual Reality Team-Based Learning. TBL @ CHSU 2020. Clovis, CA. March 17, 2020).
2. **Takemoto JK**, Burns C, Azab A. Digging Deeper into Different Types of Mentoring Relationships, How to Make them Work for YOU. 19<sup>th</sup> Annual Team-Based Learning Conference. Portland, OR. March 14, 2020 which was cancelled due to COVID-19).
1. **Takemoto JK**, Coyne L, Merritt T. The RAPsody of Virtual Reality Team-Based Learning. 19<sup>th</sup> Annual Team-Based Learning Conference. Portland, OR. March 14, 2020 which was cancelled due to COVID-19). [https://teambasedlearning.site-ym.com/page/2020\\_orals](https://teambasedlearning.site-ym.com/page/2020_orals)

**Invited Oral Presentations**

16. **Takemoto JK**. Effects of Diabetes on Pharmacology. 2<sup>nd</sup> International Symposium – Prevention and Treatment in Health and Disease. Universidad San Ignacio de Loyola, College of Health Science, The Program of Nutrition and Dietetics. Lima, Peru. May 17, 2017
15. **Takemoto JK**. Using Pharmacology to Prevent and Treat Disease. 2<sup>nd</sup> International Symposium – Prevention and Treatment in Health and Disease. Universidad San Ignacio de Loyola, College of Health Science, The Program of Nutrition and Dietetics. Lima, Peru. May 16, 2017
14. **Takemoto JK**. Metabolic Abnormalities, Mitochondrial Function in Perinatally HIV Infected Children, and Complementary Alternative Medicine. The University of Texas at Tyler, Tyler, TX USA; Research Seminar Department of Biology; January 27, 2017
13. **Takemoto JK**. Metabolic Abnormalities and Mitochondrial Function in Children with Perinatally-Acquired HIV infections. The University of Texas at Tyler, Tyler, TX USA; Research Seminar Department of Health and Kinesiology; April 15, 2016
12. **Takemoto JK**. Metabolic Abnormalities and Mitochondrial Function in Children with Perinatally-Acquired HIV infections. The University of Texas at Tyler, Tyler, TX USA; March 21, 2014
11. **Takemoto JK**. Metabolic Disease and Mitochondria in HIV-Infected Children. Pediatric HIV/AIDS Cohort Study, Bethesda, Maryland, USA; October 4-5, 2013
10. **Takemoto JK**, Miller TL, Gerschenson M, Wang J, Jacobson DL, Sharma T, Geffner M, Libutti DE, Siminski S, Butler L, Somarriba G, Graham P. Metabolic Abnormalities and Mitochondrial Function in Children with Perinatally-Acquired HIV Infection in the Pediatric HIV/AIDS Cohort Study (PHACS). Pediatric HIV/AIDS Cohort Study, Bethesda MD, November 8-9, 2012.
9. **Takemoto JK**. Mitochondrial Determinants of Metabolic Disease in HIV-Infected Children. Pediatric HIV/AIDS Cohort Study, Bethesda, Maryland, USA; March 12, 2012
8. **Takemoto JK**, Davies NM. Analytical Method Development, Pharmacokinetics, and Pharmacodynamics of Selected Polyphenols. Honolulu, Hawaii, USA, October 6<sup>th</sup>, 2010. (Interview)
7. **Takemoto JK**, Davies NM. The Study of Flavonoids through Chromatography. Pullman, Washington, USA, December 10, 2009.
6. **Takemoto JK**, Davies NM. Pharmacokinetics, and Pharmacodynamics of  $\beta$ -glucogallin and Gallic Acid. Pullman, Washington, USA, November 6, 2009.

5. **Takemoto JK**, Davies NM. Pharmacokinetics and Pharmacodynamics Selected Polyphenols. Pullman, Washington, USA, August 20, 2009.
4. **Takemoto JK**, Davies NM. Pharmacokinetic and Pharmacodynamic Analysis and Disposition of 3'-hydroxypterostilbene derived from *Sphaerophysa salsula*. Pullman, Washington, USA, February 20, 2009.
3. **Takemoto JK**, Davies NM. Sakuranetin: Analysis of Pharmacokinetic and Pharmacodynamic Disposition. Pullman, Washington, USA, April 4, 2008
2. **Takemoto JK**, Michael T. Exposure to Transient Bacteria and Pathogenic Capabilities. Honolulu, Hawaii, USA, April 21, 2006. (Undergraduate Seminar)
1. **Takemoto JK**, Goff ML. Forensic Toxicology: Urine Analysis, Honolulu, Hawaii, USA, November 17, 2005. (Undergraduate Seminar)

### Book Chapters

6. **Takemoto JK**, Hoskins K, Clark JT. (2022) Managing Cognitive Load While Promoting Lifelong Learning in a Technology Driven Era. International Association of Medical Science Educators Manuals. (Submitted)
5. **Takemoto JK**, Leiva M. (2021) Chapter 36 – Immunosuppressants. In: Whalen K, (Ed). *Lippincott Illustrated Reviews: Pharmacology*, 8<sup>th</sup> Edition. Wolters Kluwer; 2021 (Submitted)
4. **Takemoto JK**, Lewis D, Parrish C, Coyne L, Burns CM. (2021) Team Learning in a Technology-Driven Era. In Campbell LO, Hartshorne R, & DeMara RF (Eds.), Digitally-Mediated Team Learning: Foundations and Perspectives. (Accepted)
3. Coyne L, Merritt TA, **Takemoto JK**. (2021) Using Extended Reality to Promote Team Learning. In LO Campbell, R Hartshorne, & RF DeMara (Eds.), Digitally-Mediated Team Learning: Foundations and Perspectives. (Accepted)
2. Yáñez JA, Remsberg CM, **Takemoto JK**, Vega-Villa KR, Andrews PK., Sayre CL, Martinez, SE, & Davies NM. (2012). Polyphenols and Flavonoids: An Overview. In NM Davies & JA Yáñez (Eds.), *Flavonoid Pharmacokinetics: Methods of Analysis, Preclinical and Clinical Pharmacokinetics, Safety, and Toxicology* (1st ed., pp. 1–69). Wiley. <https://doi.org/10.1002/9781118468524.ch1>
1. **Takemoto JK**, Martinez SE, & Davies NM. (2012). Analysis of Flavonoids through Chromatography. In NM Davies & JA Yáñez (Eds.), *Flavonoid Pharmacokinetics: Methods of Analysis, Preclinical and Clinical Pharmacokinetics, Safety, and Toxicology* (1st ed., pp. 71–115). Wiley. <https://doi.org/10.1002/9781118468524.ch2>

### Faculty Development Workshops

23. **Takemoto JK**. Creating an Effective TBL Module for Vin University. TBLC: InteDashboard Fundamentals Certification Virtual Workshop. November 11, 2021.
22. **Takemoto JK**. Fundamentals of Team-Based Learning for Vin University. TBLC: InteDashboard Fundamentals Certification Virtual Workshop. November 11, 2021.
21. **Takemoto JK**. Equitable Peer Evaluations: Building Inclusive Classrooms in 2021. InteDashboard Virtual Workshop. October 28, 2021.
20. **Takemoto JK**. Creating an Effective TBL Module for Karolinska Institute. TBLC: InteDashboard Fundamentals Certification Virtual Workshop. October 26, 2021.
19. **Takemoto JK**. Diversity, Equity and Inclusion 101: Building Inclusive Classrooms in 2021. InteDashboard Virtual Workshop. September 29, 2021.
18. **Takemoto JK**. Fundamentals of Team-Based Learning for Karolinska Institute. TBLC: InteDashboard Fundamentals Certification Virtual Workshop. September 14, 2021.
17. **Takemoto JK**. Diversity, Equity and Inclusion 101: Building Inclusive Classrooms in 2021. August 30, 2021.

16. **Takemoto JK.** Diversity, Equity, and Inclusion for the Workplace. InteDashboard. August 16, 2021.
15. **Takemoto JK,** Richter U. Creating an Effective TBL Module. TBLC: InteDashboard Fundamentals Certification Virtual Workshop. April 13th, 2021
14. **Takemoto JK.** Coyne L, Burns CM. Virtual InteDashboard Training. California Health Sciences University College of Osteopathic Medicine. Clovis, CA. July 13, 2020.
13. **Takemoto JK.** Coyne L, Burns CM. Virtual InteDashboard Training. California Health Sciences University College of Osteopathic Medicine. Clovis, CA. July 10, 2020.
12. **Takemoto JK.** Coyne L. InteDashboard Training. California Health Sciences University College of Osteopathic Medicine. Clovis, CA. July 9, 2020.
11. Burns CM, **Takemoto JK,** Coyne L. Fundamental Principles and Practices of Team-Based Learning and Creating Effective TBL Modules. California Health Sciences University College of Osteopathic Medicine. Clovis, CA. May 18, 2020.
10. **Takemoto JK.** Steed KS. Fundamentals of Team-Based Learning. California Health Sciences University College of Osteopathic Medicine. CHSU-Educational Summit. Clovis, CA November 5, 2019.
9. **Takemoto JK.** Coyne L. Fundamentals of Team-Based Learning. California Health Sciences University College of Osteopathic Medicine. Clovis, CA. October 7, 2019.
8. **Takemoto JK.** Coyne L. Fundamentals of Team-Based Learning. California Health Sciences University. Office of Teaching and Learning. Clovis, CA. August 15, 2019.
7. **Takemoto JK.** Creating Effective TBL Modules. California Health Sciences University College of Osteopathic Medicine. Clovis, CA. July 18, 2019.
6. Brunner LJ, Coyne L, **Takemoto JK.** Team-Based Learning Workshop. Collins College, Frisco, TX USA; August 23, 2017.
5. **Takemoto JK,** Coyne L, Yu F, Brunner LJ. Team-Based Learning Comes to Texas Christian University. Texas Christian University. Fort Worth, TX USA; May 30-June 1, 2017.
4. **Takemoto JK,** Merritt T, Coyne L. Using Technology to Enhance Team-Based Learning. 16th Annual Team-Based Learning Collaborative. Orlando, Florida: Team-Based Learning Collaborative. March 2-4, 2017
3. Brunner LJ, Coyne L, **Takemoto JK,** Yu F. Team-Based Learning Workshop (TBL 90). The Center for Excellence in Teaching and Learning – Teaching Town Hall Series. The University of Texas at Tyler, Tyler, TX USA; January 27, 2017.
2. Brunner LJ, Coyne L, **Takemoto JK,** Yu F. Lesson Planning. Texas Southern University College of Pharmacy and Health Sciences – Teaching and Learning Module Development Workshop. The University of Texas at Tyler. Tyler, TX USA; June 22-24-2016.
1. **Takemoto JK.** Objectives and Backward Design. Texas Southern University College of Pharmacy and Health Sciences – Teaching and Learning Module Development Workshop. The University of Texas at Tyler. Tyler, TX USA; June 22-24-2016.

### ***Educational Resources***

10. **Takemoto JK.** Are You Up for a Wellness Challenge? Office of Student Affairs and Admissions, Student Orientation, College of Medicine, California Health Sciences University. July 2020
9. **Takemoto JK,** Steed KS. TBL- Antihypertensives. Department of Biomedical Education, College of Osteopathic Medicine, California Health Sciences University. (Role: Instructor/Facilitator) November 12, 2019.
8. **Takemoto JK.** Designing Learning with the End in Mind. The University of Texas at Tyler – Center for Excellence in Teaching and Innovation. July 2017.
7. **Takemoto JK.** How Do Your Questions Measure Up? The University of Texas at Tyler – Center for Excellence in Teaching and Innovation. July 2017.

6. **Takemoto JK.** Team Formation. The University of Texas at Tyler – Center for Excellence in Teaching and Innovation. July 2017.
5. **Takemoto JK.** TBL and Technology Resources. The University of Texas at Tyler – Center for Excellence in Teaching and Innovation. July 2017.
4. **Takemoto JK.** Softchalk Activity and Quiz Quick Reference Guide. The University of Texas at Tyler – Center for Excellence in Teaching and Innovation. July 2017.
3. **Takemoto JK.** Jeopardy Facilitation. The University of Texas at Tyler – Center for Excellence in Teaching and Innovation. July 2017.
2. **Takemoto JK.** Rubrics. The University of Texas at Tyler – Center for Excellence in Teaching and Innovation.  
<https://softchalkcloud.com/lesson/serve/EFG1SijcLRaeHB/html> November 2016
1. **Takemoto JK.** Drug Development. Team-Based Learning Collaborative.  
<http://www.tbadmin.org/modulebank/webpages/takemoto.html> March 2017

## RESEARCH SUPPORT

**Takemoto (PI)** Coyne (Co-PI) \$5,000.00 05/01/21-04/30/23

ScholarRx – The Medical Education Research and Innovation Challenge (MERIC)

Title: Enhancing the Basics of Pharmacology Through Extended Reality

This project aims to develop and evaluated the impact of extended reality modules that supplement ScholarRx Rx Bricks on academic achievement, cognitive load, and motivation.

Steed (PI) **Takemoto (Co-I)** \$1,500.00 07/01/21-06/30/22

Team-Based Learning Collaborative

Title: Remote 'Face-To-Face' Team-Based Learning Using Extended Reality

This project aims to determine the applicability of extended reality in Team-Based Learning and assess the level of immersion, engagement, and comfort.

**Takemoto (PI)** \$11,000.00 08/01/20-08/30/23

California Health Sciences University – Research and Scholarship Fund

Title: Virtual Reality Interventions to Well-being

This project aims to characterize how faculty at a TBL institution spend their time and evaluate the influence of various types of virtual reality interventions on well-being and modulation of time allocation of faculty.

Coyne (PI) **Takemoto (Co-I)** \$15,000.00 07/01/20-06/30/23

California Health Sciences University – Research and Scholarship Fund

Title: Evaluation of the Utility of Serious Games in Virtual Reality of Pharmacy and Medical Students.

This project aims to evaluate the effectiveness of VR-serious games on improving learning, reducing cognitive load and anxiety, using surveys and assessments.

**Takemoto (PI)** \$3,050.00 04/01/18-03/31/19

Team-Based Learning Collaborative

Title: The RAPsody of Virtual Reality Team-Based Learning

This project aims to determine the applicability of virtual reality in Team-Based Learning and assess the level of immersion, engagement, and comfort.

Merritt (PI) **Takemoto (Consultant)** \$3,000.00 09/01/18-08/31/19

The University of Texas at Tyler Presidential Staff Research Grant

Title: Development of a User-Friendly Interface to Upload Education Content into a Virtual Reality Learning Environment

This project aims to develop a user-friendly tool to easily incorporate virtual reality into classes.



2010	Washington State University Graduate and Professional Student Association Travel Grant
2010	Amgen Travelship to the 2010 National Biotechnology Conference
2010	Washington State University Graduate and Professional Student Association Registration Grant
2010	American Association of Pharmaceutical Scientists APQ Section Travelship to the FIP/PSWC 2010 AAPS Annual Meeting and Exposition
2010	WSU Office of Research Graduate School Doctoral Scholarship
2009	Dorothy Otto Kennedy Scholarship
2009	College of Pharmacy Research Day 2 <sup>nd</sup> Place Graduate Poster
2008	Sue Harriet Monroe Mullen Graduate Fellowship in Cancer Research
2008	College of Pharmacy Research Day 1 <sup>st</sup> Place Graduate Poster
2007	INBRE Graduate Student Division Honorable Mention
2003-2006	Dean's List; Chaminade University of Honolulu, Honolulu, Hawaii
2002-2003	Dean's List; University of Oregon, Eugene, Oregon
1996-2001	5 Years of Community Service; YMCA of Honolulu

## PROFESSIONAL AFFILIATIONS AND PROFESSIONAL SERVICE

### *Professional Affiliations*

2019-present	International Association of Medical Science Educators
2020-present	Team-Based Learning Collaborative <ul style="list-style-type: none"> <li>• Interim Executive Editor for Publications</li> </ul>
2019-present	Team-Based Learning Collaborative <ul style="list-style-type: none"> <li>• Assistant Editor for the Resource Portal</li> </ul>
2019-present	Alpha Chi National College Honor Society
2016-present	Team-Based Learning Collaborative <ul style="list-style-type: none"> <li>• Finance Committee Member</li> <li>• Trainer/Consultant Committee Member</li> </ul>
2016-2019	American Association of Colleges of Pharmacy
2011-2012	American Academy of Neurology
2009-present	The Rho Chi Pharmacy Honor Society
2008-2014	Advancing Science, Serving Society
2008-2010	Canadian Society for Pharmaceutical Sciences
2007-2018	American Association of Pharmaceutical Scientists <ul style="list-style-type: none"> <li>• Drug Discovery and Development Interface Section</li> <li>• Pharmacokinetics, Pharmacodynamics and Drug Metabolism Section</li> </ul>
2005-present	Delta Epsilon Sigma
2004-2006	American Academy of Forensic Science

### *Professional Service – Journal Reviewer*

2020	Journal of Clinical Medicine Infectious Diseases
2020	Medical Science Educator
2019	Currents in Pharmacy Teaching and Learning
2017	Revista Brasileira de Farmacognosia
2016	Research in Pharmaceutical Sciences
2016	Journal of Basic and Pharmacology and Toxicology (Editorial Board Member)
2014	Chemico-Biological Interactions
2013	Hindawi Publishing Corporation
2013	PLOS ONE
2011	Journal of Biomedical Chromatography
2011	AIDS Research and Human Retroviruses

**Professional Service – Mentor**

- 2017-present Team-Based Learning Collaborative Trainer/Consultant Mentor
- Professor (Physiology), California Health Sciences University
  - Assistant Professor (Physiology), California Health Sciences University
  - Assistant Professor (Mathematics), University of South Alabama
  - Assistant Clinical Professor (Critical Care), The University of Texas at Tyler
  - Assistant Clinical Professor (Psychiatry), The University of Texas at Tyler

**Professional Advisory Board Member**

- 03/2019-present InteDashboard  
09/2018-present RedLeaf Ventures

**Professional Service – Peer Reviewer**

- 2020-present Team-Based Learning Collaborative Abstracts  
2020 Western Association of Schools and Colleges Program Review Trainee

**PROFESSIONAL AFFILIATIONS AND PROFESSIONAL SERVICE****Institutional Service – California Health Science University**

- 07/2020-present **Mentor**, Facilitated Mentorship Program  
05/2020-present **Member**, Enterprise-Wide Reference Management Software Task Group  
07/2019-present **Member**, Provost Assessment and Outcomes Committee  
06/2019-present **Advisory Member**, Office of Teaching and Learning

**Institutional Service – California Health Science University, College of Osteopathic Medicine**

- 05/2020-present **Member**, Curriculum Delivery Pathways Planning Task Force  
09/2019-present **TBL Facilitator for Interview**, Student Affairs  
09/2019-present **Interviewer**, Student Affairs  
06/2019-present **Chair**, Assessment Committee  
06/2019-1/2020 **Member**, Curriculum Committee  
06/2019-08/2019 **Member**, Faculty Development Committee

**Institutional Service – The University of Texas at Tyler**

- 08/2017-06/2019 **Member**, Research Council  
08/2014-08/2015  
08/2015-08/2017 **Chair**, Research Council  
08/2016-06/2019 **Member**, Admissions/Recruitment, Sub-committee  
08/2016-06/2019 **Member**, Admissions, Recruitment, and Retention Committee  
08/2015-07/2018 **Member**, Institutional Animal Care and Use Committee  
08/2015-07/2016 **Member**, Institutional Biosafety Committee  
08/2015-12/2015 **Member**, Assistant Professor Retention Taskforce Member

**Institutional Service – The University of Texas at Tyler, Ben and Maytee Fisch College of Pharmacy**

- 08/2018-06/2019 **Member**, Research and Scholarship Committee  
08/2017-03/2019 **Co-Chair**, ACPE Self Study – Section III Standard 24 & 25  
08/2017-03/2019 **Member**, ACPE Self Study Steering Committee  
02/2017 **Member**, IPPE Workbook Working Group

08/2016-07/2018	<b>Member</b> , Strategic Planning Committee
08/2016-07/2018	<b>Member</b> , Assessment Committee
08/2016-07/2017	<b>Member</b> , Clinical Faculty Search Committee
06/2016-09/2016	<b>Member</b> , Pharmaceutical Science Faculty Search Committee
02/2016-06/2016	<b>Interim Chair</b> , Curriculum Committee
02/2015-08/2016	<b>Vice-Chair</b> , Curriculum Committee
08/2015-12/2015	<b>Member</b> , Test Committee
06/2014-12/2018	<b>Interviewer</b> , Student Affairs
06/2014-02/2015	<b>Member</b> , Curriculum Committee
06/2014-02/2015	<b>Member</b> , Admissions Committee
06/2014-07/2015	<b>Member</b> , Clinical Faculty Search Committee
08/2014-08/2018	<b>Participant</b> , OSCEs P1-P3

### ***Institutional Service – Student Advising***

Fall 2015-Summer 2021 # Doctoral Students: 48 # Masters Students: 1

### **PROFESSIONAL AFFILIATIONS AND PROFESSIONAL SERVICE**

#### ***Civic Service***

Summer 2019, 2020	Pre-Med Pathway Boot Camp
Fall 2016, 2017	Drug Take Back Event
Spring 2016	Suicide Awareness Walk, Psi Chi Psychology Club
Spring 2016	Spring Fun Run 5K, APhA and NSNA
Spring 2012-present	Vice President/Board Member, Tropicana Manor HOA

### **CERTIFICATIONS AND CONTINUING EDUCATION**

#### ***Certifications***

TBD	Project Management Institute – <b><u>Project Management Professional Certificate</u></b> (Anticipated Fall 2022)
TBD	Association for Medical Education in Europe. Essential Skills in Medical Education <b><u>Certificate</u></b> (Anticipated Summer 2021)
2020	Microsoft® Introduction to Computer Science <b><u>Professional Certificate</u></b>
2020	Microsoft® Data Science Fundamentals <b><u>Professional Certificate</u></b>
2019-present	CITI – Introduction to Research
2018	Team-Based Learning Collaborative, <b><u>Certified Trainer/Consultant</u></b>
2018	The Center for Teaching Excellence and Innovation, <b><u>Level II Certification</u></b>
2016	The Center for Teaching Excellence and Innovation, <b><u>Level I Certification</u></b>
2016-2019	CITI – Human Subjects Research – Exempt Researchers and key Personnel
2016-2019	CITI – Data or Specimens Only Research
2016-2019	CITI – Human Subject Cooperative and Biomedical IRB Members
2016-2019	CITI – Human Subject IRB Administrators
2014-present	FERPA
2014-present	CITI – Social & Behavioral Research
2009-present	CITI – Biomedical Responsible Conduct of Research
2007-present	CITI – Biomedical and Biological Responsible Conduct of Research
2007-2019	CITI – Reducing Pain and Distress in Laboratory Mice and Rats
2007-2019	CITI – Working with Rats in Research Settings
2007-2019	CITI – Working with Animals in Biomedical Research (IACUC)

## PROFESSIONAL SKILLS

- **Project Management:** Design Strategies, Presentation Skills, Virtual Learning Programs, Strategic Roadmaps, Curriculum Design, Stakeholder Management, Client Relations, Strategic Business Partnerships, Customer Success, Time Management, Problem Solving
- **Technology:** Microsoft Suite, Adobe Suite, Learning Management Software (LMS), Articulate Suite, Adobe Captivate, Storyline, Engage, video software
- **Research/Scholarship:** Learning and Development, 40+ Peer-reviewed publications, 5+ book chapters, 80+ oral and poster presentations, recipient of 10+ grants (\$60K+)
- **Data Management:** Data Collection, Data Analysis, Data Visualization, Quality Assurance, Quality Assessment, Quantitative Assessment, Data Driven Decision Making, Continuous Improvement, Organizational Effectiveness
- **Marketing:** Digital media creation, campaign management, SEO/SEM optimization, maintenance of database, analysis and reporting of ROIs and KPIs of digital campaigns, design of dashboards.

## REFERENCES

Available Upon Request