

## PATINA K. MENDEZ

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Environmental Science, Policy & Management  
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### EDUCATION

**University of California, Berkeley** 2007  
Ph. D., Environmental Science, Policy, and Management, Division of Insect Biology  
Dissertation: *Life History and Benthic Macroinvertebrates: Studies and Applications to Benthic Ecology and Systematics*

**The University of Texas at Austin** 1999  
Bachelor of Science, Zoology  
Bachelor of Arts, Studio Art

### PROFESSIONAL EXPERIENCE

- 2015-2021 Continuing Lecturer. ESPM175 Senior Research Seminar in Environmental Sciences. University of California, Berkeley. Fall and Spring.
- 2020 Continuing Lecturer. ESPM15 Introduction to Environmental Science. University of California, Berkeley. Spring.
- 2020 Continuing Lecturer. ESPM177A Sustainable Water and Food Security. University of California, Berkeley. Summer.
- 2019 Faculty Facilitator. *Transforming STEM Teaching: Faculty Learning Program*. University of California, Berkeley.
- 2009-2015 Lecturer. ESPM175 Senior Research Seminar in Environmental Sciences. University of California, Berkeley. Fall and Spring.
- 2012 Lecturer. BIO 1B General Biology Laboratory. University of California, Berkeley. Fall.
- 2010, 2011 Lecturer. ES 100 Introduction to the Methods of Environmental Sciences. University of California, Berkeley. Spring.
- 2009, 2011 Lecturer. ESPM 115B Biology of Aquatic Insects. University of California, Berkeley. Fall. Co-instructed with Vincent H. Resh.
- 2007-2009 University of Minnesota McKnight Postdoctoral Research Fellow. University of Minnesota Insect Collection. University of Minnesota, Twin Cities.
- 2008 Instructor. ENT 4861 Aquatic Insects. University of Minnesota. Summer.
- 2007 Graduate Student Instructor. BIO 1B General Biology. University of California, Berkeley. Spring.
- 2006 Graduate Student Researcher. Essig Museum of Entomology. Berkeley Natural History Museums. Fall.
- 2003 Graduate Student Instructor. ESPM 115B Biology of Aquatic Insects. University of California, Berkeley. Fall. *\*Outstanding Graduate Student Instructor Award*

1999-2001 Website Producer. Sega.com. San Francisco, California.

## HONORS AND AWARDS

- 2021 **Extraordinary Teaching in Extraordinary Times Award**, Academic Senate's Committee on Teaching. Award honoring UC Berkeley faculty, staff, and graduate student instructors who in 2020 embraced the challenges posed by the COVID-19 pandemic, University of California, Berkeley. \$2000.
- 2020 *Emerge: Broadening Participation and Leadership in Freshwater Science*. Grant for program to increase diversity and inclusion in higher education through scientific societies from the National Science Foundation, DEB Award #2032146, Co-PI. \$2,006,746 (5 years).
- 2020 *Social Online Tools to Support Collaborative and Inclusive Learning in Biology*. Collaborative grant with CSU Stanislaus and Las Positas Community college. Seed grant from the California Education Learning Lab, Governor's Office of Planning and Research, Co-PI. \$100,000 (2 years).
- 2018 Environmental Protection & EcoStabilization Grant to LiDAR survey the South Fork of Strawberry Creek. The Green Initiative Fund. Environmental Health & Safety, University of California, Berkeley. \$1100.
- 2018 Professional Development Grant. Unit 18 grant to support conference travel to the Society for Freshwater Science annual meeting to present on Faculty Learning Program revision of Statistics Modules for ESPM 175. \$1200.
- 2018 Faculty Fellow, *Faculty Learning Program: Transforming STEM Teaching*, University of California, Berkeley. One-year collaborative training on improving STEM teaching using learning science. \$1250.
- 2015 Professional Development Grant. Unit 18 grant to support conference travel to the Society for Freshwater Science annual meeting to present on Lecturer Teaching Fellows project. \$1200.
- 2013 Lecturer Teaching Fellow, University of California, Berkeley. Research project: *Integrating Visuospatial Approaches into Scientific & Science Writing* with Teri Crisp, College Writing. \$1500.
- 2012 **Faculty Award for Outstanding Mentorship of GSIs**, Graduate Council's Advisory Committee for GSI Affairs & the GSI Teaching and Resource Center, University of California, Berkeley.
- 2011 Lecturer Teaching Fellow, University of California, Berkeley. \$1500
- 2007, 2008 University of Minnesota McKnight Postdoctoral Fellowship. Two-year, merit-based, Diversity Fellowship, University of Minnesota.
- 2006 Steven Souja Memorial Award for Entomology. University of California, Berkeley, Division of Insect Biology.
- 2005 Robert L. Usinger Memorial Award for Aquatic Insect Systematics. University of California, Berkeley, Division of Insect Biology.
- 2004, 2005 Margaret C. Walker Fund for Research in Insect Systematics. University of California, Berkeley, Division of Insect Biology.

- 2004            **Outstanding Graduate Student Instructor Award** for teaching for the Biology of Aquatic Insects course, Fall 2003. University of California, Berkeley.
- 2003-2006      National Science Foundation Graduate Research Fellowship (NSF-GRFP). Three-year, graduate student fellowship. National Science Foundation.
- 2001-2005      Eugene Cota-Robles Fellowship Award. Four-year, merit-based, diversity fellowship from the Eugene Cota-Robles Foundation, University of California, Berkeley.
- 1997            Howard Hughes Medical Institute Undergraduate Research Fellowship. Undergraduate Research Program in Molecular Biology, University of Texas at Austin.
- 1994-1999      Texas Academic Honors Award (TAHA), Five-year, merit-based, undergraduate academic diversity scholarship, University of Texas at Austin.

## TEACHING EXPERIENCE

*Senior Research Seminar in Environmental Sciences (ESPM 175A&B/HI175A&B).* University of California, Berkeley, Fall 2009-present. Lecturer, year-long capstone course in research methods for senior-level Environmental Sciences majors for their Senior Thesis.

*Sustainable Water & Food Security (ESPM 177A).* University of California, Berkeley, Summer 2020. Lecturer, upper-division course.

*Introduction to Environmental Sciences (ESPM 15).* University of California, Berkeley, Spring 2020. Lecturer, introductory-level physical and biological sciences course for lower-division and non-majors.

*Introduction to the Methods in Environmental Sciences (ESPM 100ES).* University of California, Berkeley, Spring 2010 & 2011. Lecturer, research methods course for junior-level Environmental Sciences majors in preparation for the Senior Thesis. Prerequisite to Senior Research Seminar in Environmental Sciences.

*General Biology (BIO 1B).* University of California, Berkeley, Fall 2012. Lecturer, semester course for lower division undergraduate students, taught laboratory and discussion.

*Biology of Aquatic Insects (ESPM 115B).* University of California, Berkeley, Fall 2009 & 2011. Co-instructor with Vincent H. Resh.

*Aquatic Entomology.* University of Minnesota, Lake Itasca Field Station, Summer 2007. Instructor, taught a four-week, 3 unit, intensive, field-oriented course focused on the taxonomy, life history, and ecology of lotic and lentic aquatic insects.

*General Biology (BIO 1B).* University of California, Berkeley, Spring 2007. Graduate student instructor, semester course for lower division undergraduates, taught laboratory and discussion.

*Aquatic Insects mini-course.* University of California, Berkeley, Fall 2005. Instructor, 9-week workshop on the orders of aquatic insects for a small class of UC Berkeley students.

*Current and Fundamental Topics in Aquatic Ecology.* University of California, Berkeley, Fall 2005. Co-organizer, semester graduate student seminar series examining literature in aquatic ecology with an emphasis on pairing recent with foundational publications. Co-organized with Raphael Mazor.

*Biology of Aquatic Insects (ESPM 115B)*. University of California, Berkeley, Fall 2003. Graduate student instructor, semester course with Dr. James L. Carter (lecturer), taught lab portion of the course. **Received the UC Berkeley Outstanding Graduate Student Instructor Award.**

## OUTREACH AND SERVICE

- 2019-2021 Chair, Education & Diversity Committee, Society for Freshwater Science, 3 year appointment.
- 2010-2021 Coordinating Committee Founding Member, **Instars - Undergraduate Diversity Program & Emerge Program**, Society for Freshwater Science. Diversity program to bring undergraduate students to annual meeting.
- 2010-2021 Member Education & Diversity Committee, Society for Freshwater Science.
- 2020-2021 Chair, Strawberry Creek Environmental Committee. Univ. of California, Berkeley.
- 2014-2021 Strawberry Creek Environmental Committee Member. Univ. of California, Berkeley.
- 2018-2019 Lead Editor, *Proceedings of the 15<sup>th</sup> International Symposium on Trichoptera*.  
<https://biotaxa.org/Zoosymposia/article/view/zoosymposia.14.1.3>
- 2017-2019 Education & Diversity Committee Representative, Board of Directors, Society for Freshwater Science.
- 2017-2018 ESPM Equity, Inclusion & Diversity Committee Member. Univ. of California, Berkeley.
- 2016-2017 Member-at-Large, California Chapter of the Society for Freshwater Science
- 2015-2020 Strawberry Creek DeCal Faculty Sponsor, Univ. California, Berkeley
- 2020 Personal Growth DeCal Faculty Sponsor, Univ. California, Berkeley
- 2014-2021 Mentor, Sponsored Projects for Undergraduate Research (SPUR), Univ. California, Berkeley
- 2012-2021, 2004-2006 Mentor, Undergraduate Research Apprenticeship Program (URAP), Univ. California, Berkeley
- 2008-2021 Editor and Community Coordinator, Trichoptera Literature Database (<http://www.trichopteralit.umn.edu>)
- 2015-2019 Editor, Trichoptera Library (<https://archive.org/details/trichopteralibrary>)
- 2009-2019 Technical Liaison, Trichoptera Checklist Coordinating Committee, Trichoptera World Checklist (<http://entweb.clemson.edu/database/trichopt/>)
- 2015-2018 Publicity & Public Information Committee Member, Society for Freshwater Science (<http://www.freshwater-science.org>).
- 2009-2015 Web Editor, Society for Freshwater Science (<http://www.freshwater-science.org>).  
Member, Publicity & Public Information Committee.
- 2013 Reviewer, Outstanding GSI Award, ESPM, Univ. of California, Berkeley
- 2007-2009 Member, Dept. of Entomology Seminar Committee, Univ. of Minnesota
- 2007-2009 Website Developer, Essig Museum of Entomology, Univ. of California, Berkeley
- 2005-2006 Member, ESPM Graduate Programs Committee, Univ. of California, Berkeley

2001-2005 Organizer, Darwin Day and Bug Day, Entomology Students' Organization outreach events, Univ. of California, Berkeley

## PANELS, VIDEOS, INTERVIEWS, ART & DESIGN

- 2016-2017 Expert Panelist, *California Biological Condition Gradient*. Invited panelist to build narrative descriptions of benthic macroinvertebrate responses to changes in water quality to communicate with state level policy makers, Southern California Coastal Water Resource Project (SCCWRP), Nov 2016 - Jan 2017.
- 2016 Caddisfly Expert, *KQED Science: DEEP LOOK*. Key consultant on a short narrative video on caddisfly building behavior, "Sticky. Stretchy. Waterproof. The Amazing Underwater Tape of the Caddisfly" by Elliott Kennerson. Aug. 9, 2016; <https://ww2.kqed.org/science/2016/08/09/sticky-stretchy-waterproof-the-amazing-underwater-tape-of-the-caddisfly/> **\*\*Science Outreach** (5.1M views as of 1/2021, Nominated for a Northern California Area Emmy)
- 2016 Scientist, *KQED Science: DEEP LOOK*. Caddisfly expert in a short behind-the-scenes video on caddisfly building behavior, "Behind the Scenes with Deep Look: Caddisflies" by Sevda Eris. Aug. 16, 2016; <https://ww2.kqed.org/science/2016/08/16/behind-the-scenes-with-deep-look-caddisflies/> **\*\*Science Outreach** (117k views as of 1/2021)
- 2014 Panelist, *The Present and Future of Math and Science Education* Alumni Panel. Texas State University Mathworks Anniversary, May
- 2014 Interviewee, Episode 11: Promoting Diversity in Freshwater Science with M. Ardon, K. Capps, C. Colon-Gaud, and J. Li. *Making Waves* Podcast, Society for Freshwater Science, August 2014 (<http://www.freshwater-science.org/Education-and-Outreach/Media/Podcast/MW11---Instars.aspx>) **\*\*Diversity Outreach**
- 2014 Logo Design & Promotional Fliers, Instars Program, Society for Freshwater Science.
- 2014 Illustration, Head and Thorax of *Oligophlebodes* caddisfly. In: Holzenthal, R. W., R. E. Thompson, and B. Rios-Touma. 2014. Order Trichoptera. In Thorp, J., and D. C. Rogers. 2014. Thorp and Covich' Freshwater Invertebrates, 4th Edition. Elsevier. Figure 38.14b. Head and thorax, dorsal (Thremmatidae) p 980. Adobe Illustrator CS3.
- 2009 Website & Logo Design, Environmental Sciences Senior Thesis Digital Archive, Univ. of California, Berkeley, <http://nature.berkeley.edu/classes/es196>, Symposium Programs
- 2009 Website Design, Trichoptera Literature Database, Univ. of Minnesota, <http://www.trichopteralit.umn.edu>
- 2008 Photo, Egg masses of *Neophylax rickeri*. Cover photo of *Annals of the Entomological Society of America* Volume 101, Issue 3.
- 2007 Website Design, Essig Museum of Entomology, Univ. of California, Berkeley. <http://essig.berkeley.edu>

## OUTREACH, WORKSHOPS AND GUEST LECTURES

**Mendez, P. K.** 2021. Living Under Water. Guest lecture for ESPM 140: Insects and Human Society for Rodrigo Alameda, March 17, 2021.

**Mendez, P. K.** 2021. Demystifying the ES Senior Thesis. Guest lecture for ESPM 100ES: An Introduction to the Methods in Environmental Science for John Battles, March 10, 2021.

**Mendez, P. K.** 2020. How do you get there? Outreach presentation for the Global Environmental Theme House Seminar, University of California, Berkeley Residential Life Program. October 19, 2020. **\*\*Outreach**

**Mendez, P. K.** 2020. Aquatic Insects—Respiration & Biomonitoring. Guest lecture for ESPM 42: Natural History of Insects for Kip Will, November 4, 2020.

**Mendez, P. K.** 2020, 2021. Water Pollution and Biomonitoring. Guest lectures for ESPM 15: Introduction to Environmental Sciences for Christine Gehrig-Downie, August 7, 2020; Tim Bowles and Manuela Giroto, October 26, 2020, Matthew Potts and Paolo D’Odorico, March 19, 2021.

**Mendez, P. K.** 2018, 2019, 2020. Freshwater Ecology and Biomonitoring. Guest lectures for LA 12: Environmental Science for Sustainable Development for Matt Kondolf, October 4, 2018; October 15, 2019, October 6, 2020; Peter Norton, July 21, 2020.

**Mendez, P. K.** 2019. The Field of Entomology—an Overview of the Field and its History. Guest lecture for ESPM 42: Natural History of Insects for Kip Will, September 18, 2019.

**Mendez, P. K.** 2018, 2019. Aquatic Insect Respiration & Life History in the context of phylogeny; Trichoptera Lab; Biomonitoring lab. Guest lectures for ESPM 140: General Entomology for Kipling Will, April 3 & 5, 2018, March 21, 2019.

**Mendez, P. K.** 2018. Being an Aquatic Entomologist. Invited scientist for Wildcat 4-H, November 13, 2018. **\*\*Outreach – K12**

**Mendez, P. K.** 2018. Traversing the Scientific Literature. Guest lecture for ESPM 100ES: An Introduction to the Methods in Environmental Science for John Battles, March 2, 2018.

Resh, V. H. & **P. K Mendez.** 2017, 2018. Sierra Nevada Stream Ecology. Guest lecture on stream ecology, aquatic insect identifications and biomonitoring at the UC Berkeley Forestry Camp. Quincy, CA, June 30, 2017.

**Mendez, P. K.** 2017. Aquatic Insects of Black Diamond Mines. Outreach Field Day and Enrichment for Black Diamond Mines Naturalists, Docents & Interns, East Bay Regional Parks. Black Diamond Mines, June 6, 2017. **\*\*Outreach**

**Mendez, P. K.** 2017. How do you get there? Outreach presentation for the Women in Science & Engineering Seminar (WiSE Theme Program: Intersections of Gender with Math, Science, Technology and Engineering), University of California, Berkeley Residential Life Program. Foothill Residential Hall, February 13, 2017. **\*\*Outreach – Women in science**

**Mendez, P. K.** 2016. Why don’t people trust science? Guest lecture for ESPM 24: A Scientific Skeptic’s Approach to the Internet for Kipling Will, September 26, 2016.

**Mendez, P. K.** 2015. Digital Document Curation for the Trichoptera Literature Database and Trichoptera Library. Workshop at the 15<sup>th</sup> International Symposium on Trichoptera, Rutgers University, New Brunswick, NJ, June 7, 2015.

## GRADUATE AND UNDERGRADUTE COMMITTEES

Leslie A. McGinnis, Ph.D. Graduate Student, University of California, Berkeley, 2021. **Qualifying Exam Committee**

Dana S. Weaver, Honors Undergraduate Student, William Paterson University, 2015-2016. Thesis title: Phylogenetic Relationships in *Oligophlebodes* (Trichoptera: Thremmatidae) as an assessment of utility of DNA barcodes. **Honors Thesis Committee**

Limarie Reyes-Torres, M.S. Graduate Student, University of Puerto Rico, 2015-2017. Thesis title: Life history, phenology, and drought response of *Phylloicus pulchrus* (Trichoptera: Calamoceratidae) in a tropical rainforest stream. **Honors Thesis Committee**

## PROFESSIONAL AFFILIATIONS

2001-2021 Member, Society for Freshwater Science (SFS). Professionals and researchers in the studies of freshwater benthic ecology and aquatic entomology.

2014-2021 Member, Society for Freshwater Science (SFS), California Chapter. Steering committee Member-at-Large, 2014-2018.

2003, 2008 Member, Entomological Society of America (ESA)

2004, 2002 President, Secretary, Entomology Students' Organization. Univ. of California, Berkeley

2003-2010 Member, National Speleological Society (NSS). Professionals and researchers in the studies of cave and karst research and exploration.  
1999

## REFERENCES

Vincent H. Resh, Professor, vresh@berkeley.edu  
Department of Environmental Science, Policy & Management, University of California, Berkeley

Kurt K. Spreyer, Continuing Lecturer, kspreyer@berkeley.edu  
Department of Environmental Science, Policy & Management, University of California, Berkeley

Kipling W. Will, Associate Professor, kipwill@berkeley.edu  
Department of Environmental Science, Policy & Management, University of California, Berkeley

Ralph W. Holzenthal, Professor, holze001@umn.edu  
Department of Entomology, University of Minnesota

## PROFESSIONAL PRESENTATIONS

**Mendez, P. K.**, Kim, M., Lee, T., Li, Q., Li, S., Lopez, I., Mehta, M., Moyya, H., Resh, V. H., Saxton, L., Simonyan, S. & C. Teter. 2021. Team Caddis: Undergraduate Collaborative Research During the COVID-19 Pandemic in an Online Virtual Lab Space. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Virtual Annual Meeting, May 23-27, 2021.

Rosemond, A., **P. K. Mendez**, J. C. Colón-Gaud, Rugenski, A., McGarvey, D. & B. Ondich. 2021. Can't Stop Won't Stop: Continuing the Journey to Full Inclusivity in Freshwater Science with the Emerge Program. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Virtual Annual Meeting, May 23-27, 2021. **\*\*Diversity in Education**

Li, Q. & **P. K. Mendez**. 2021. Mediterranean Climate Flows and In-Stream Fauna: Mosquitofish and Invertebrate Abundances in Grayson Creek, Contra Costa Co., California. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Virtual Annual Meeting, May 23-27, 2021. **\*\*Mentored Senior Thesis**

Li, S., Christensen, C. & **P. K. Mendez**. 2021. Caddisfly Species Identification via Wing Morphometrics. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Virtual Annual Meeting, May 23-27, 2021. **\*\*Mentored Honors Thesis & Senior Thesis**

**Mendez, P. K.** 2019. A workshop model for undergraduate research: design of statistics curriculum supports. Presentation at the Annual Meeting of the Society for Freshwater Sciences, Salt Lake City, Utah, May 19-23, 2019. **\*\*Invited Curriculum Development**

Colon-Gaud, C., McGarvey, D., **Mendez, P. K.**, Torres, P. J. & N. Macias. 2019. Innovative ways to increase diversity in recruitment of freshwater scientists. Presentation at the Annual Meeting of the Society for Freshwater Sciences, Salt Lake City, Utah, May 19-23, 2019. **\*\*Diversity in Education**

**Mendez, P. K.** & M. R. Cover. 2018. A collaborative framework for undergraduate research to study change over space and time, in the special session *Diversity in Aquatic Science: Connecting the Transitional Pipeline from the Classroom to the Profession*. Presentation at the Annual Meeting of the Society for the Advancement of Chicanos and Native Americans in Science, San Antonio, Texas, October 11-13, 2018. **\*\*Invited Diversity in Education & Curriculum Development**

Chin, A., A. P. O'Dowd, **P. K. Mendez** & Roger Leventhal. 2018. Co-evolving physical and biological organization in a restoration reach of Wildcat Creek, California, USA. Presentation at I.S.Rivers - integrative sciences and sustainable development of rivers conference, Lyon, France, June 4-8, 2018.

**Mendez, P. K.** & C. E. Venter. 2018. Imaging fluid-stored arthropod collections using 3D print technology. Presentation at the Annual Meeting of the Society for Freshwater Sciences, Detroit, Michigan, May 20-24, 2018.

Garcia-Reyes, J. & **P. K. Mendez**. 2018. *Neophylax rickeri* case and larvae measurements used to observe case building strategies within one stream. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Detroit, Michigan, May 20-24, 2018. **\*\*Mentored Undergraduate Research**

Garcia-Reyes, J. & **P. K. Mendez**. 2018. Investigation *Neophylax rickeri* case morphologies within one stream. Poster presentation at the CNR Spring Poster Session, April 20, 2018. **\*\*Mentored Undergraduate Research**

Gladkov, G., Hubble, C., Will, K. & **P. K. Mendez**. 2018. Trichoptera emergence patterns in Lower Curry Canyon near Mount Diablo. Poster presentation at the CNR Spring Poster Session, April 20, 2018. **\*\*Mentored Undergraduate Research**

Lee, S., Yang, M., Gladkov, G. & **P. K. Mendez**. 2018. Procedures for Imaging Fluid Specimens of Aquatic Insects. Poster presentation at the CNR Spring Poster Session, April 20, 2018. **\*\*Mentored Undergraduate Research**



Damerow, J. E., **Mendez, P. K.**, Abbott, J., Sierwald, P., Bieler, R., Yoder, M. J., & R. E. DeWalt. 2017. Taxonomic data quality in GBIF: a case study of freshwater insect groups. Presentation at the Inaugural Digital Data in Biodiversity Research Conference, Ann Arbor, Michigan, June 5-6, 2017.

**Mendez, P. K.** 2016. Piecing it together: Building a story about caddisfly case-building with KQED Science's *Deep Look*. Presentation at the 23<sup>rd</sup> Annual Meeting of the California Aquatic Biomonitoring Workgroup/Society for Freshwater Science California Chapter, Davis, California, October 18-19, 2016.  
**\*\* Science Communication**

**Mendez, P. K.**, Myers, M., Wood, J., Jackson, J., Hoffmann, A., O'Dowd, A., Bêche, L., Rudnick, D., Damerow, J. & M. Cover. 2016. Caddisflies, Dragonflies, Fishflies & Mitten Crabs: What Do We Now Know About Life History, Taxonomy, and Faunal Patterns? Invited presentation at the Annual Meeting of the Society for Freshwater Sciences, Sacramento, California, May 21-26, 2016.

**Mendez, P. K.** & K. K. Spreyer. 2016. Undergraduate Research and Writing: Using Capstone Curriculum Across Disciplines to Increase Student Confidence, Performance and Learning Outcomes. Invited presentation in "Diverse undergraduate student experiences of future freshwater scientists" special session at the Annual Meeting of the Society for Freshwater Sciences, Sacramento, California, May 21-26, 2016. **\*\*Invited Curriculum Development**

Chen, J. & **P. K. Mendez**. 2016. The Effects of Warming Temperatures on Biomonitoring Metrics in California. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Sacramento, California, May 21-26, 2016. **\*\*Mentored Senior Thesis**

Lew, C. & **P. K. Mendez**. 2016. Species Distribution Modeling of 12 Trichoptera Genera in California Using Biomonitoring Datasets. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Sacramento, California, May 21-26, 2016. **\*\*Mentored Undergraduate Research**

Colon-Gaud, C., Li, J., **Mendez, P. K.**, Sluss, T., Ardon-Sayao, M. & K. Capps. 2016. The Instars Mentoring Program: Successes, Challenges, and Lessons Learned Over 5-Years of Broadening Participation in Freshwater Science. Presentation at the Annual Meeting of the Society for Freshwater Sciences, Sacramento, California, May 21-26, 2016. **\*\*Diversity in Education Presentation**

O'Dowd, A., **Mendez, P. K.**, Chin, A. & R. Levanthal. 2016. Incorporating Undergraduates into Smallscale Urban Stream Restoration Research: A Tale of Two Universities. Presentation at the Annual Meeting of the Society for Freshwater Sciences, Sacramento, California, May 21-26, 2016.

**Mendez, P. K.** & T. Crisp. 2016. Visual & Spatial Creative Activities for Research Reading and Writing. Lightening talk in the Waves of Innovation event at the University of California, Berkeley, May 5, 2016.  
**\*\*Curriculum Development**

**Mendez, P. K.**, Hubble, C. & K. W. Will. 2015. Aquatic Insect Monitoring in Lower Curry Creek. Presentation at the 2<sup>nd</sup> Annual Mary Bowerman Science & Research Colloquium, University of California, Berkeley, December 10, 2015.

**Mendez, P. K.** 2015. Digital Trichoptera: Trichoptera Literature & California Caddisflies. Departmental Seminar in the Essig Brunch at the University of California, Berkeley, September 7, 2015.

**Mendez, P. K.**, Holzenthal, R. W. & J. W. H. Steiner. 2015. Updates to the Trichoptera Literature Database and an Introduction to the Trichoptera Library Project. Presentation at the 15<sup>th</sup> International Symposium on Trichoptera, New Brunswick, New Jersey, June 4-8, 2015. **\*\*Invited Plenary**

Weaver, D., **Mendez, P. K.** & J. C. Spagna. 2015. Phylogenetic Relationships in *Oligophlebodes*. Poster presentation at the 15<sup>th</sup> International Symposium on Trichoptera, New Brunswick, New Jersey, June 4-8, 2015. **\*\*Mentored Senior Honors Thesis**

**Mendez, P. K.**, Ball-Damerow, J. E., Myers, M. J., Lew, C., Bradshaw, M. R., & V. H. Resh. 2015. A Preliminary Specimen-Level Database of the Caddisflies of California. Poster presentation at the 15<sup>th</sup> International Symposium on Trichoptera, New Brunswick, New Jersey, June 4-8, 2015.

**Mendez, P. K.** & T. Crisp. 2015. Integrating Visuospatial Approaches into Research Reading and Writing. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Milwaukee, Wisconsin, May 17-21, 2015. **\*\*Curriculum Development**

Sluss, T., Colon-Gaud, C., Capps, K., **Mendez, P. K.**, Li, J. & M. Ardon-Sayao. 2015. Promoting Diversity in Freshwater Science through Mentoring: Celebrating Five Years of Instars. Poster presentation at the Annual Meeting of the Society for Freshwater Sciences, Milwaukee, Wisconsin, May 17-21, 2015. **\*\*Diversity in Education Presentation**

**Mendez, P. K.**, M. E. Deitch & V. H. Resh. 2014. Patterns in community structure and species traits of functional process zones in the Fraser River, B.C. Presentation at the Joint Aquatic Sciences Meeting, Portland, Oregon, May 19-23, 2014.

**Mendez, P. K.**, D. R. Robertson & R. W. Bouchard. 2014. Disturbance detectives: a student activity for calculating biomonitoring metrics. Poster presentation at the Joint Aquatic Sciences Meeting, Portland, Oregon, May 19-23, 2014. **\*\*Curriculum Development**

Velasco, C. Z., **P. K. Mendez**, O'Dowd, A. P., R. Leventhal, and A. Chin. 2014. Benthic macroinvertebrate community response of self-organizing step-pool restoration in Wildcat Creek (Alameda Co., CA, U.S.A.). Poster presentation at the Joint Aquatic Sciences Meeting, Portland, Oregon, May 19-23, 2014. **\*\*Mentored Senior Thesis**

Moniz, P. J., **P. K. Mendez**, B. J., Halaburka, J. E. Lawrence, J.E. Hsaio, R. G. Luthy, and V. H. Resh. 2014. Recycled water for urban stream enhancement in Northern California: case histories of applicability and limitations of use in Mediterranean-climates. Poster presentation at the Joint Aquatic Sciences Meeting, Portland, Oregon, May 19-23, 2014. **\*\*Mentored Senior Thesis**

Colón-Gaud, C., F. Day., J. L. Li, **P. K. Mendez**, R. J. Garono, V. L. Lougheed, K. A. Capps, T. Sluss, and M. L. Ardón-Sayao. 2014. Undergraduate mentoring at SFS and SWS: Increasing diversity in the next generation of aquatic scientists. Poster presentation at the Joint Aquatic Sciences Meeting, Portland, Oregon, May 19-23, 2014. **\*\*Diversity in Education Presentation**

Hsiao, J., Lawrence, J. E., **P. K. Mendez**, and V. H. Resh. 2013. Renewal of urban streams using recycled water: evaluating the effects of tertiary treated water on freshwater biodiversity in a northern California creek. Poster presentation at the Annual Meeting of the Society for Freshwater Science, Jacksonville, Florida, May 19-23, 2013. **\*\*Mentored Senior Thesis**

Colón-Gaud, C., J. L. Li, **P. K. Mendez**, T. Sluss, M. L. Ardón-Sayao, and K. Capps . 2013. SFS Instars: a mentoring program to increase diversity in the next generation of freshwater scientists with. Poster presentation at the Annual Meeting of the Society for Freshwater Science, Jacksonville, Florida, May 19-23, 2013. **\*\*Diversity in Education Presentation**

Kaing, S., J.E. Lawrence, **P. K. Mendez**, and V. H. Resh. 2012. Ecological responses of benthic macroinvertebrate communities to streamflow augmentation in Strawberry Creek, Berkeley, California. Poster presentation at the Annual Meeting of the Society for Freshwater Science, Louisville, Kentucky, May 20-24, 2012. **\*\*Mentored Senior Thesis**

Li, J. L., C. Colón-Gaud, **P. K. Mendez**, T. Sluss, and M. L. Ardón-Sayao. 2012. SFS Instars: a mentoring program to increase diversity in the next generation of freshwater scientists. Poster presentation at the Annual Meeting of the Society for Freshwater Science, Louisville, Kentucky, May 20-24, 2012. **\*\*Diversity in Education Presentation**

**Mendez, P. K.** and R. W. Holzenthal. 2009. Relationships of life history characteristics with geographical and environmental gradients using natural history museum collections. Presentation at the XIIIth International Symposium on Trichoptera, Białowieża, Poland, June 20-26, 2009.

**Mendez, P. K.**, R. W. Holzenthal, and J. W. H. Steiner. 2009. The Trichoptera Literature Database: a collaborative bibliographic resource for world caddisfly research. Presentation at the XIIIth International Symposium on Trichoptera, Białowieża, Poland, June 20-26, 2009.

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