Address: School of Molecular Sciences
Arizona State University
Tempe, AZ 85297-1604, U.S.A.

Email: lhenslei@asu.edu
Additional: LinkedIn

Education: **Arizona State University**, Tempe, AZ (2020 – present)
Ph.D. Biochemistry
Research Advisor: Gary F. Moore

University of Redlands, Redlands, CA (2007 – 2011)
Bachelor of Science in Chemistry and Biology
Research Advisor: David Schrum

Employment: **Futures Academy (Formerly Halstrom Academy)**, Brentwood, CA
Teacher (Maths and Sciences) and Lab Manager (2014-2019)
Lead Teacher (2017 – 2018)

Private Tutor, Santa Monica, CA
Tutor (2015 – 2020)

Australian Lab Services, Phoenix, AZ
Technician, Director of Quality Control and Safety (2012 – 2013)

Internships: **University of Redlands Summer Science Internship**, Redlands, CA
(Summer 2010)

Thunderbird School of Global Management , Glendale AZ
(Winter 2009)

Fellowships, Awards, and Honors:

Graduate Summer Research Fellowship (Arizona State University, 2019)

Teacher of the Month (Futures Academy, multiple 2013-2019)

Departmental Honors (University of Redlands, 2011)

Journal Articles

Nguyen, N. P., Hensleigh, L. K., Nishiori, D., Reyes Cruz, E. A., Moore, G. F. **Degrade-Repair Cycle of a Fuel-forming Photoelectrode**. *ACS Appl. Energy Mat.* **2022**, *5*, 13128-13133.

Reyes Cruz, E. A., Nishiori, D., Wadsworth, B. L., Nguyen, N. P., Hensleigh, L. K., Khusnutdinova, D., Beiler, A. M., Moore, G. F. **Molecular-Modified Photocathodes for Applications in Artificial Photosynthesis and Solar-to-Fuel Technologies**. *Chem. Rev.* **2022**, *122*, 16051-16109. (Cover Article)

Nishiori, D., Wadsworth, B. L., Reyes Cruz, E. A., Hensleigh, L. K., Karcher, T. (academic professional); Moore, G. F. **Photoelectrochemistry of Metalloporphyrin-Modified GaP Semiconductors**. *Photosynth. Res.* **2022**, *151*, 1-10 (Special issue co-edited by Elizabeth Young and Gary F. Moore on "*Photochemistry and Electrochemistry of Natural and Artificial Photosynthesis"*)

Presentations

Characterization of Soil from Joshua Tree National Park. L. Hensleigh, Advisor: David Schrum. ***Southern California Conference for Undergraduate Research.*** *Pepperdine University. November 2010.*

Characterization of Soil from Joshua Tree National Park. L. Hensleigh, Advisor: David Schrum. ***The Pittsburg Conference on Analytical Chemistry and Applied Spectroscopy.*** *Atlanta, GA. March 2011 (presented by David Schrum).*

Outreach / Mentoring Workshops and Presentations

As Graduate Student at Arizona State University:

Running on Sun Internship. Mentor to one interning high school student (June-August 2022)

Running on Sun Internship. Mentor to two interning high school students (June-August 2021)

As Futures Academy Faculty:

Grading and Assessment-Professional Development. Presented by L. Hensleigh. Futures Academy Annual Training (August 2016)

Teaching Experience

Courses Taught at Futures Academy:

Science (6th grade)

Science (7th grade)

Science (8th grade)

Math (6th grade)

Math (7th grade)

Pre-Algebra

Algebra 1

Algebra 2

Geometry

Pre-Calculus

Honors Pre-Calculus

Statistics and Probability

AP Statistics and Probability

Biology

AP Biology

Honors Biology

Chemistry

AP Chemistry

Health

Photography

Completed Courses and Training on Teaching and Mentoring:

Futures Academy Annual Training (Futures Academy, Summer 2014, 2015, 2016, 2017, 2018)

Conferences/Webinars Attended

30th Western Photosynthesis Conference. January 2nd and 9th, 2021

2020 Solar Fuels Science Meeting. Joint Center for Artificial Photosynthesis. August 5th and 7th, 2020

NSF/DOE Virtual Mini-Symposium. July 15th, 2022

Media Coverage

ASU News: Fuel for thought: Advancing solar-to-fuel technology
https://news.asu.edu/20221115-fuel-thought-advancing-solartofuel-technology

Other Involvements

Director of Communications. School of Molecular Science Graduate Student Council. 2022-present.

Lead Judge (Elementary Chemistry section)Arizona Science and Engineering Fair, March 22nd, 24th, 2022.