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**Education: Yale University**, New Haven, CT (2009 – 2011)

Postdoctoral Fellowship

Advisors: Gary W. Brudvig and Robert H. Crabtree

**Arizona State University**, Tempe, AZ (2004 – 2009)

Ph.D. Chemistry and Biochemistry

Advisor: Ana L. Moore

**The Evergreen State College**, Olympia, WA (1998 –2004)

B.S. Chemistry

Advisor: Peter J. Pessiki

**Employment: Arizona State University**, Tempe, AZ (2014 – present)

Assistant Professor

**Berkeley Lab**, Berkeley, CA (2011 – 2014)

Principal Investigator and Staff Scientist

**Internships: Université Paris–Sud**, Laboratoire de Chimie Inorganique, Orsay, France, Visiting Scholar (summer 2005)

**University of Pennsylvania**, Biochemistry Biophysics, Philadelphia, PA Research Internship (summer 2002)

**Fellowships and Awards:**

1. National Science Foundation CAREER Award (2017)
2. Julie Anne Wrigley Global Institute for Sustainability Scholar (2017)
3. Yale Edwin A. Bouchet Honor Society Fellow (2011 – present)
4. Camille and Henry Dreyfus Foundation Energy Fellow (2009 – 2011)
5. Baruch ’60 Center for Solar Energy Research Award (2011)
6. Connecticut Clean Energy Award (2011)
7. Renewable Energy: Solar Fuels GRC Young Investigator Award (2009)
8. ARCS Foundation Scholar (2008 – 2009)
9. Electron Donor Acceptor GRC Young Investigator Award (2008)
10. Photosynthesis GRC Young Investigator Award (2008)
11. Carl Storm Underrepresented Minority Fellow (2006)
12. Alliance for Graduate Education and Professoriate Fellow (2006 – 2009)
13. National Science Foundation Fellow (2004 – 2009)

**I. Scholarship**

**Citation Indices (based on** [Google Scholar](https://scholar.google.com/citations?user=poKApXoAAAAJ&hl=en)**)**

**Citations: 1285 (November, 2017); H-index: 16; i10-index: 18**

**Publications**

**A. Journal Articles**

***Publications as an ASU faculty member*:**

1. Beiler, A. M. (graduate student); Khusnutdinova, D (graduate student); Wadsworth, B. L. (graduate student); Moore, G. F. **Cobalt Porphyrin-polypyridyl Surface Coatings for improved Photoelectrosynthetic Fuel Production**.*Inorg. Chem.* **2017,** *56*, 12178-12185.(Impact Factor: 4.857, Contributions: corresponding author, designed experiments and advised students).
2. **Beiler, A. M. (graduate student); Moore, G. F. Multi-electron Photochemistry: Caught in the Act. *Nat. Chem.* 2017(**doi:10.1038/nchem.2896 **/ invited News and Views article)** (Impact Factor: 25.870)***.***
3. Khusnutdinova, D. (graduate student); Flores, M. (Senior Research Professional); Beiler, A. M. (graduate student); Moore, G. F. **Synthesis and Characterization of a Cobalt(II) Tetrakis(3-fluorophenyl)porphyrin with a Built-in 4-Vinylphenyl Surface Attachment Moiety**. *Photosynthetica*. **2017** (in press / invited contribution) (Impact Factor: 1.409, Contributions: corresponding author, designed experiments and advised students).
4. Khusnutdinova, D. (graduate student); Beiler, A. M. (graduate student); Wadsworth, B. L. (graduate student); Jacob, S. I. (undergraduate student); Moore, G. F. **Metalloporphyrin-modified Semiconductors for Solar Fuel Production**. *Chem. Sci.***2017**,*8*, 253-259. (Impact Factor: 8.668, Contributions: corresponding author, designed experiments and advised students).
5. Wadsworth, B. L. (graduate student); Beiler, A. M. (graduate student); Khusnutdinova, D. (graduate student); Jacob, S. I. (undergraduate student); Moore, G. F. **Electrocatalytic and Optical Properties of Cobaloxime Catalysts Immobilized at a Surface-Grafted Polymer Interface**. *ACS Catal.***2016**, *6*, 8048-8057. *(*Impact Factor: 10.614, Contributions: corresponding author, designed experiments and advised students).
6. Beiler, A. M. (graduate student); Khusnutdinova, D. (graduate student); Jacob, S. I. (undergraduate student); Moore, G. F. **Solar Hydrogen Production Using Molecular Catalysts Immobilized on Gallium Phosphide (111)A and (111)B Polymer-Modified Photocathodes**. *ACS* *Appl. Mater. Interfaces.***2016**,*8*, 10038-10043. (Impact Factor: 7.504, Contributions: corresponding author, designed experiments and advised students).
7. Beiler, A. M. (graduate student); Khusnutdinova, D. (graduate student); Jacob, S. I. (undergraduate student); Moore, G. F. **Chemistry at the Interface: Polymer-Functionalized Semiconductors for Solar Hydrogen Production**. *Ind. Eng. Chem. Res*. **2016,** *55*, 5306-5314.Invited Article (Impact Factor: 2.843, Contributions: spearheaded publication, designed experiments).
8. Cedeno, D. (postdoctoral researcher); Krawicz, A. (postdoctoral researcher); Moore, G. F. **Hybrid Photocathodes for Solar Fuel: Coupling Molecular Fuel-Production Catalysts with Solid-State Light Harvesting and Conversion Technologies**. *Interface Focus*. **2015**, *5*, 20140085. (Impact Factor: 2.630 Contributions: This article is based on an invited presentation given at The Royal Society at Chicheley Hall, home of the Kavli Royal Society International Centre, Buckinghamshire on the themed meeting topic: “Do we need a Global Project on Artificial Photosynthesis?”).
9. Ravensbergen, J. (graduate student); Brown, C. L. (graduate student); Moore, G. F.; Frese R. N. (professor); van Grondelle, R. (professor); Gust, D. (professor); Moore; T. A. (professor); Moore, A. L. (professor); Kennis, J. T. M (professor). **Kinetic isotope effect of proton-coupled electron transfer in a hydrogen bonded phenol–pyrrolidino[60]fullerene.** *Photochem. Photobiol.**Sci.* **2015**, *14*, 2147-2150 (Impact Factor: 2.413, Contributions: contributing author, designed and performed synthesis and characterization measurements).
10. Cedeno, D. (postdoctoral researcher); Krawicz, A. (postdoctoral researcher); Doak, P. (graduate student); Yu, M. (postdoctoral researcher); Neaton, J. B. (professor and senior staff scientist); Moore, G. F. **Using Molecular Design to Control the Performance of Hydrogen-Producing Polymer-Brush-Modified Photocathodes**.*J. Phys. Chem. Lett.* **2014**, *5*, 3222-3226 (Impact Factor: 8.539, Contributions: corresponding author, designed experiments and advised students).

***Publications as a staff scientist at Berkeley Lab*:**

1. Krawicz, A. (postdoctoral researcher); Cedeno, D. (postdoctoral researcher); Moore, G. F. **Energetics and Efficiency Analysis of a Cobaloxime-Modified Semiconductor at Simulated Air Mass 1.5 Illumination**. *Phys. Chem. Chem. Phys.* **2014**, *16*, 15818-15824 (Impact Factor: 4.449, Contributions: corresponding author, designed experiments and advised students).
2. Krawicz, A. (postdoctoral researcher); Yang, J.; Anzenberg, E.; Yano, J.; Sharp, I. D.; Moore, G. F. **Photofunctional Construct That Interfaces Molecular Cobalt-Based Catalysts for H2 Production to a Visible-Light-Absorbing Semiconductor**. *J. Am. Chem. Soc.* **2013**, *135*, 11861-11868 (Impact Factor: 13.038, Contributions: coauthored publication as well as designed experiments and advised students).
3. Faunce, T. A.; Lubitz, W.; Rutherford,A. W.; MacFarlane D.; Moore, G. F.; Yang,P.; Nocera, D. G.; Moore,T. A.; Gregory,D. H.; Fukuzumi, S.;Yoon, K. B.;Armstrong, F. A.;Wasielewski, M. R. **Energy and Environment Policy Case for a Global Project on Artificial Photosynthesis**. *Energy Environ. Sci.* **2013**,*6***,** 695-698 (Impact Factor: 29.518, Contributions: coauthored publication and contributed intellectual input on science and policy).
4. Moore, G. F.; Sharp,I. D. **A Noble-Metal-Free Hydrogen Evolution Catalyst Grafted to Visible Light-Absorbing Semiconductors**. *J. Phys. Chem. Lett.* **2013**, *13*, 568-572. (Impact Factor: 8.539, Contributions: corresponding author as well as designed and executed experiments).
5. Milot, R. L.; Moore, G. F.; Crabtree, R. H.; Brudvig, G. W.; Schmuttenmaer, C. A. **Electron Injection Dynamics from Photoexcited Porphyrin Dyes into SnO2 and TiO2 Nanoparticles**. *J. Phys. Chem. C.* **2013***, 117,* 21662-21670. (Impact Factor: 4.509, Contributions: designed and synthesized synthetic targets for collaborative computational studies).
6. Moore, G. F. **Molecular and Nanoscale Interfaces for a Global Scale Challenge**. *European Photochemical Society Newsletter.* **2013**, July, 91-92. (Contributions: authored research review and perspective).
7. Martini, A. L.; Moore, G. F. Milot, R. L.; Cai, L. Z.; Sheehan, S. W.; Schmuttenmaer, C. A.; Brudvig, G. W.; Crabtree, R. H. **Modular Assembly of High-Potential Zinc Porphyrin Photosensitizers Attached to TiO2 with a Series of Anchoring Groups**. *J. Phys. Chem. C.* **2013,** *117*, 14526-14533. (Impact Factor: 4.509, Contributions: designed experiments and advised graduate and undergraduate students).
8. Najafpour, M. M.; Shen, J-R.; Barber, J.; Moore, G. F.; Govindjee **Running on Sun**. *Chemistry World.* **2012**, November, 43. (“*On the centenary of Giacomo Ciamician’s paper predicting a solar-fueled future, five experts discuss the promise and challenges of artificial photosynthesis”*).

***Publications as a postdoctoral fellow at Yale University:***

1. Moore, G. F.; Konezny, S. J.; Song, H.; Milot, R. L.; Blakemore; J. D.; Lee, M. L.; Batista, V. S.; Schmuttenmaer, C. A.; Crabtree, R. H.; Brudvig, G. W. **Bioinspired High-Potential Porphyrin Photoanodes**. *J. Phys. Chem. C.* **2012**,*116*, 4892–4509. (Impact Factor: 4.835, Contributions: spearheaded publication, designed and performed synthesis, characterization and performance measurements).
2. Moore, G. F.; Ananyev, G. M.; Govindjee **Young Research Investigators Honored at 2012 Gordon Research Conference on Photosynthesis**. *Photosynth. Res.* **2012**,*114*,137-142. (Impact Factor: 4.122, Contributions: coauthored report on the 2012 Gordon Research Conference on Photosynthesis that focuses on four young investigators who were presented awards during the conference).
3. Moore, G. F.; Megiatto, J. D.; Hambourger, M.; Gervaldo, M.; Kodis, G.; Gust, D.; Moore, T. A.; Moore, A. L. **Optical and Electrochemical Properties of Hydrogen-Bonded Phenol-Pyrrolidino[60]fullerenes**. *Photochem. Photobiol. Sci.* **2012**, *6*, 1018-1025. (Impact Factor: 2.413, Contributions: spearheaded publication, designed and performed synthesis and characterization measurements).
4. Moore, G. F.; Blakemore, J. D.; Milot, R. L.; Hull, J.; Song, H; Cai, L; Schmuttenmaer, C. A.; Crabtree, R. H.; Brudvig, G. W. **A Visible Light Water-Splitting Cell with a Photoanode Formed by Codeposition of a High-Potential Porphyrin and a Homogeneous Iridium Water-Oxidation Catalyst**. *Energy Environ. Sci.* **2011,** *4*, 2389-2892. (Impact Factor: 29.518, Contributions: spearheaded publication, designed and performed synthesis, characterization and performance measurements).
5. Moore, G. F.; Brudvig, G. W. **Energy Conversion in Photosynthesis: A Paradigm for Solar Fuel Production**. *Annu. Rev.: Condensed Matter Physics.* **2011,** *2*, 303-327.(Impact Factor: 16.379, Contributions: coauthored a comprehensive review on solar energy conversion).

***Publications as a graduate student at Arizona State University:***

1. Moore, G. F.; Hambourger, M.; Kodis, G.; Michl, W.; Gust, D.; Moore, T. A.; Moore, A. L. **Effects of Protonation State on a Tyrosine-Histidine Bioinspired Mediator**. *J. Phys. Chem. B.* **2010**, *114*, 14450-14457. (Impact Factor: 3.187, Contributions: spearheaded publication, designed and performed synthesis, characterization and performance measurements).
2. Hambourger, M.; Kodis, G.; Vaugnh, M.; Moore, G. F.; Gust, D.; Moore, A. L.; Moore, T. A. **Solar Energy Conversion in a Photoelectrochemical Biofuel Cell**. *Dalton Transactions.* **2009**, 45, 9979-9989. (Impact Factor: 4.177, Contributions: coauthored a review on photoelectrochemical biofuel cells).
3. Hambourger, M.; Moore, G. F.; Kramer, D. M.; Gust, D.; Moore, A. L.; Moore, T. A. **Biology and Technology for Photochemical Fuel Production**. *Chem. Soc. Rev.* **2009**, *38*, 25-35. (Impact Factor: 34.090, Contributions: coauthored a comprehensive tutorial review on solar energy conversion).
4. Moore, G. F.; Hambourger, M.; Gervaldo, M.; Poluektov, O. G.; Rajh, T.; Gust, D.; Moore, T. A.; Moore, A. L. **A Bioinspired Construct that Mimics the Proton Coupled Electron Transfer between P680 and the TyrZ-His190 Pair of Photosystem II**. *J. Am. Chem. Soc.* **2008**, *130*, 10466-10467. (Impact Factor: 13.038, Contributions: spearheaded publication, designed and performed synthesis and characterization measurements).
5. Rizzi, A. C.; van Gastel, M.; Liddell, P. A.; Palacios, R. E.; Moore, G. F.; Kodis, G.; Moore, A. L.; Moore, T. A.; Gust, D.; Braslavsky, S. E. **Entropic changes control the charge separation process in triads mimicking photosynthetic charge separation**. *J. Phys. Chem. A.* **2008**, *112*, 4215-4223. (Impact Factor: 2.883, Contributions: coauthored publication, performed synthesis and characterization measurements).
6. Berera, R.; Moore, G. F.; van Stokkum, I. H. M.; Kodis, G.; Liddell, P. A.; Gervaldo, M.; van Grondelle, R.; Kennis, J. T. M.; Gust, D.; Moore, T. A.; Moore, A. L. **Charge Separation and Energy Transfer in a Caroteno-C60 Dyad: Photoinduced Electron Transfer From the Carotenoid Excited States**. *Photochem. Photobiol. Sci.* **2006**, *5*, 1142-1149. (Impact Factor: 2.413, Contributions: coauthored publication, performed synthesis and characterization measurements).

**B. Invited Book Chapter Publications**

***Publications as an ASU faculty member*:**

1. **Concluding Remarks and Future Perspectives. Gary F. Moore (2016) in Photosynthesis: Structures, Mechanisms, and Applications** Chapter 20 (Harvey J. M. Hou, Mohammad Mahdi Najafpour, Gary F. Moore and Suleyman I. Allakhverdiev, eds.) Publishers, New York, in press.

**C. Conference Publications**

***Since joining ASU*:**

1. Moore, G. F.; Beiler, A. M.; Khusnutdinova, D.; Wadsworth, B. L. **Molecular** **Surface Coatings for Semiconductor Photoelectrochemistry and Photocatalysis**. *Abstract of Papers, 253rd ACS Meeting & Exposition.* **2017**, pp CATL-215.
2. Moore, G. F. **Chemistry at the Interface: Hybrid Materials for Solar Fuel Production**. *Abstract of Papers, Materials and Research Society Spring Meeting and Exhibit*. **2016**,Paper # EE16.1.01.
3. **Moore, G. F.; Khusnutdinova, D.; Beiler, A.; Jacob, S.; Skibo, E.; Echeverri, A. Running on Sun: Bioinspired Approaches to Achieving Solar Fuels**. *Abstract of Papers, 250th ACS Meeting & Exposition.* **2015**, pp ENV-332.

***Prior to ASU*:**

1. Krawicz, A.; Moore, G. F. **GATR-FTIR** **Characterization of Cobaloxime Modified P-Type Gallium Phosphide Cathodes**. *Prepr. Pap.-Am. Chem. Soc., Div. Energy Fuels.* **2013**, 58 (2), 177-178.
2. Milot, Rebecca L.; Moore, G. F.; Richter, C.; Martini, A. L.; Negre, C. A.; Batista, V. S.; Crabtree, R. H.; Brudvig, G. W.; Schmuttenmaer, C. A. **Using time-resolved THz spectroscopy to study carrier dynamics and solar energy conversion in TiO2 nanotubes and other nanostructured materials**. *Abstracts of Papers, 246th ACS National Meeting & Exposition.* **2013**, pp COLL-421.
3. Milot, R. L.; Richter, C.; Moore, G. F.; Crabtree, R. H.; Brudvig, G. W.; Schmuttenmaer, C. A. **Time Resolved THz Spectroscopy to Study Carrier Injection and Dynamics in TiO2 and SnO2**. *Abstracts of Papers, 243rd ACS National Meeting & Exposition.* **2012**, pp FUEL-466.
4. Schmuttenmaer, C. A.; Richter, C.; Milot, R. L.; Moore, G. F.; Brudvig, G. W. **Using Time Resolved THz Spectroscopy to Study Carrier Injection and Dynamics in TiO2 and SnO**2. *Abstracts of Papers, 242nd ACS National Meeting.* **2011**, pp COMP-69.
5. Moore, T. A.; Moore, A. L.; Gust, D.; Hambourger, M.; Moore, G. F.; Keirstead, A.; Gervaldo, M. **Artificial photosynthesis: Combining Technology with Biology for Efficient Solar Energy Conversion**. *Abstracts of Papers, 235th ACS National Meeting*. **2008**; pp IEC-011.
6. Moore, A. L.; Moore, G. F.; Hambourger, M.; Kodis, G.; Gervaldo, M.; Liddell, P. A.; Gust, D.; Moore, T. A. **Bioinspired Energy Conversion Schemes**. *Abstracts of Papers, 233rd ACS National Meeting*. **2007**, pp INOR-088.
7. Moore, A. L.; Moore, T. A.; Gust, D.; Moore, G. F.; Kennis, J.; Hambourger, M.; Kodis, G.; Liddell, P. A. **Energy Conversion Involving Carotenoids Polyenes**. *Abstracts of Papers, 230th ACS National Meeting.* **2005**, pp PHYS-193.
8. Pessiki, P. J.; Moore, G. F. **Synthesis and Photochemical Properties of Tetraphenylporphyrins Covalently Attached to Lichen Acids**. *Abstracts of Papers, 228th ACS National Meeting*. **2004**, pp ORGN-490.

**D. Media Coverage**

***Since joining ASU*:**

1. **ASU Now: Junior faculty in ASU's School of Molecular Sciences receive recognition.** <https://biodesign.asu.edu/news/gary-moore-receives-prestigious-nsf-career-award>
2. **ASU Now: Gary Moore receives prestigious NSF CAREER Award.** <https://biodesign.asu.edu/news/gary-moore-receives-prestigious-nsf-career-award>

# ASU Now: ASU Researcher Focuses Energy on Future of Science.

# <https://asunow.asu.edu/20170207-discoveries-asu-researcher-focuses-energy-future-science>

1. **Science House:** **U.S. Researchers Support “Solar Fuels Innovation Act”.UU.S. R** <https://science.house.gov/legislation/bills/hr-solar-fuels-innovation-act>

# News the Latest: Energy innovation: Tapping the power of the Sun. <https://biodesign.asu.edu/news/energy-innovation-tapping-power-sun>

1. **ARCS News: ARCS Foundation Alumni Joins Arizona State Faculty.** <https://phoenix.arcsfoundation.org/arcs-foundation-phoenix-alum-dr-gary-moore-joins-arizona-state-faculty>

***Prior to ASU*:**

1. **Chemistry World: Running on Sun.** <https://www.chemistryworld.com/opinion/running-on-sun/5463.article>
2. **The Daily Californian: Berkeley Lab Researchers Design Bionic Leaf.** <http://www.dailycal.org/2014/03/11/berkeley-lab-researchers-designing-bionic-leaf/>

# ****Solar Novus Today:**** [Bionic Leaf Photocathode Absorbs Sunlight, Produces Hydrogen Fuel](http://www.solarnovus.com/bionic-leaf-photocathode-absorbs-sunlight-produces-hydrogen-fuel_N7557.html). <http://www.solarnovus.com/bionic-leaf-photocathode-absorbs-sunlight-produces-hydrogen-fuel_N7557.html>

1. **Berkeley Lab News Center: Promising News for Solar Fuels**. <http://newscenter.lbl.gov/2014/03/07/promising-news-for-solar-fuels/>

# ****Today at Berkeley Lab:**** PBD Researchers Give Photosynthesis Talks at Swedish Renewable Energy Meeting. <http://today.lbl.gov/2014/03/28/pbd-researchers-give-photosynthesis-talks-at-swedish-renewable-energy-meeting/>

# ****Berkeley Lab News Center:**** Hydrogen Fuel From Sunlight. <http://newscenter.lbl.gov/2013/08/29/hydrogen-fuel-from-sunlight/>

1. **Yale News: Team Harnessing Power of Photosynthesis to Make Green Fuels.** <http://news.yale.edu/2010/05/07/team-harnessing-power-photosynthesis-make-green-fuel>

**Presentations**

**A. Conference Presentations**

***Since joining ASU (international conferences in italics)*:**

1. *Porphyrin Modified Surfaces. Gary F. Moore.* ***10th******International Conference on Porphyrins and Phthalocyanines****. Munich, Germany July 1-6, 2018 (****Invited Speaker****)*
2. Photochemical Energy Conversion at Molecular Modified Surfaces. Gary F. Moore. **27th** **Winter** **Inter American Photochemical Society Conference**. Sarasota, FL. January 2-7, 2018 (**Invited Speaker**)
3. Polymeric Surface Coatings for Semiconductor Photoelectrochemical Fuel Production. Anna M. Beiler, Diana Khusnutdinova, Brian L. Wadsworth, Gary F. Moore. **Photochemistry Gordon Research Conference**. Bates College, Lewiston, ME. July 23-July 28, 2017 (*Selected Short Talk*)
4. *Polymeric Surface Coatings for Semiconductor Photoelectrochemical Fuel Production. Gary F. Moore.* ***2nd******International Solar Fuels Conference****. San Diego, CA. July 6-10, 2017 (****Selected Flash Presentation****)*
5. Bioinspired Surface Coatings for Solar Fuel Production. Gary F. Moore. **Telluride Science Research Center Workshop:** **Solar Solutions to Energy and Environmental Problems**. Telluride, CO. June 26-30, 2017 (**Invited Speaker**)
6. Molecular Coatings for Semiconductor Photoelectrochemistry and Photocatalysis. Gary F. Moore. **253rd ACS National Meeting**. San Francisco, CA. April 2-6, 2017 (**Invited Lecturer**)
7. Molecular-Modified Semiconductors for Artificial Photosynthesis. Gary F. Moore. Gary F. Moore. **26th Western Photosynthesis Conference**. San Francisco, CA. January 5-8, 2017 (**Invited Speaker**)
8. Hybrid Nanomaterials for Solar Fuel Production. Gary F. Moore **Department of Physics Nanoscience Seminar Series at Arizona State University**. Tempe, AZ. October 17, 2016 (**Invited Presentation**)
9. *Hybrid Nanomaterials for Solar Fuel Production. Gary F. Moore.* ***The Fifth International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems****. Porto Heli, Peloponnese-Greece. June 26-30, 2016 (****Invited Lecturer****)*
10. Chemistry at the Interface: Hybrid Materials for Solar Fuel Production. Gary F. Moore. **2016 Materials and Research Society Spring Meeting and Exhibit**. Phoenix, AZ. March 28, 2016 (**Invited Lecturer**)
11. Bioinspired Approaches to Achieving Solar Fuels***.*** Gary F. Moore.**250th ACS Meeting & Exposition**. Boston, MA. August 16-20, 2015 (**Invited Speaker and Best Paper Award**)
12. Hybrid Photocathodes for Solar Powered H2 Production and CO2 Reduction. Gary F. Moore. **Telluride Science Research Center Workshop:** **Solar Solutions to Energy and Environmental Problems**. Telluride, CO. August 3-7, 2015 (**Invited Speaker**)
13. *Controlling Catalysis at Interfaces. Gary F. Moore.* ***Royal Society Meeting******2014.*** *The Royal Society at Chicheley Hall, Buckinghamshire, England. July 8-10, 2014 (****Invited Speaker****)*

***Prior to ASU*:**

1. *Coupling of Molecular Catalysts to Surfaces. Gary F. Moore.* ***The Umeå Renewable Energy Meeting (UREM) 2014****. Chemical Biological Center (KBC), Umeå University, Umeå, Sweden. March 17-19, 2014 (****Invited Speaker****)*
2. Modular Approaches to Achieving Artificial Photosynthesis. Gary F. Moore. **23rd Western Photosynthesis Conference**. Pacific Grove, CA. January 2-5, 2014 (**Invited Speaker**)
3. GATR-FTIR Characterization of Cobaloxime-Modified P-Type Gallium Phosphide Cathodes Gary F. Moore. **246th ACS National Meeting & Exposition**. Indianapolis, IN. September 8-12, 2013 (**Invited Speaker)**
4. Molecular and Nanoscale Interfaces for Artificial Photosynthesis. Gary F. Moore. **22nd Western Photosynthesis Conference**. Pacific Grove, CA. January 3-6, 2013 (**Invited Speaker**)
5. *Molecular and Nanoscale Interfaces for a Global Scale Challenge. Gary F. Moore.* ***16th International Congress of Photosynthesis****. St. Louis, MO. August 11-16, 2013 (****Invited Speaker****)*
6. Taking Inspiration from Biology for Technology. Gary F. Moore. **19th International Conference on Photochemical Conversion and Storage of Solar Energy.** California Institute of Technology, Pasadena, CA. July 29 – August 3, 2012 (**Invited Speaker**)
7. Make Like a Leaf. Gary F. Moore. **Berkeley Lab Physical Bioscience Seminar Series.** Berkeley, CA. November 15, 2012 (**Invited Speaker**)
8. Make Like a Leaf. Gary F. Moore. **2010 Pauling Award Symposium Kick-off**. TESC, Olympia, WA. November 4, 2010 (**Invited Seminar Speaker**)
9. A Visible Light Water-Splitting Photoanode. Gary F. Moore, James D. Blakemore, Hee-eun Song, Rebeca L. Milot, Victor S. Batista, Charles A. Schmuttenmaer, Robert H. Crabtree, Gary W. Brudvig. **Yale Climate and Energy Congress Scholars Forum**. New Haven, CT. October 12, 2010 (**Invited Speaker**)

**B. Invited Presentations at Academic Institutions**

***Since joining ASU*:**

1. Hybrid Material Interfaces for Solar Energy Transduction. Gary F. Moore. **Department of Chemistry & Chemical Biology Seminar Series at Rensselaer Polytechnic Institute**. Troy, NY. October 4, 2015 (**Student-Invited Lecturer Award**)
2. Running on Sun, All Night Long. Gary F. Moore. **Department of Chemistry Seminar Series at Portland State University**, Portland, OR. May 15, 2015 (**Student-Invited Lecturer**)

***Prior to ASU*:**

1. Biology and Technology for the Sustainable Production and Use of Fuels. Gary F. Moore, Michael Hambourger, Miguel Gervaldo, Weston Michl, Devens Gust, Thomas A. Moore, Ana L. Moore. **National University of Río Cuarto Chemistry Seminar**. Río Cuarto, Córdoba, Argentina. March 20, 2009 (**Invited Speaker**)

**C. Invited Presentations at Corporate Institutions**

***Prior to ASU*:**

1. Recent Advancements in Artificial Photosynthesis and Solar Fuels. Gary F. Moore. **Exxon Mobil Corporation**. Annandale, NJ. December 6, 2012 (**Invited Speaker and Consultant**)

**D. Invited Outreach / Mentoring Workshops and Presentations**

***Since joining ASU*:**

1. **Doing Research in Indian County**.Panel session on sustainability with panelist: Dr. Jamie Ritchey, *Director of Tribal Epidemology*; Violet Mitchell-Enos, *Director, HHS, SRP-MIC*; and Dr. Dave Wilson, *Tribal Health Research Office, NIH*.Tempe, AZ. October 27, 2018 (**Discussion Moderator and Session Chair**)

***Prior to ASU*:**

1. **Switch: Discover the Future of Energy (Berkeley Lab Film Screening).**Gary F. Moore, Nitash Balsara, Rich Muller. Berkeley, CA. December 12, 2012 (**Invited Panel Discussion Participant**)
2. **Grand Challenges in Artificial Photosynthesis Panel Discussion**. Gary F. Moore. Gary W. Brudvig, John Golbeck, Ruchira Chatterjee. Rensselaer Polytechnic Institute, Troy, NY. November 4-5, 2011 (**Invited** **Panelist**)
3. A Panel on Emerging Energy Technologies. Gary F. Moore. **Yale Climate and Energy Institute 2nd Annual Conference Kick-off**. Yale University, NewHaven, CT. March 30,, 2011 (**Invited Panel Discussion Moderator**)
4. A Panel on Technology and our Emerging Energy Crisis. Gary F. Moore. **Yale Climate and Energy Institute 2nd Annual Pre-Conference Talks**. Yale University, New Haven, CT. March 23, 2011 (**Invited** **Panel Discussion Moderator**)
5. Postdoctoral Mentoring. Gary F. Moore. **MGE@MSA Second Annual Faculty Postdoctoral Mentoring Institute**. Tempe, AZ. January 28, 2010 (**Invited Speaker**)

**F. Research Workshops**

***Since joining ASU*:**

1. **U.S. Department of Energy Bioenergy Technology office Listening Day**. San Diego, CA. July 8th, 2017 (**Invited Participant**)
2. **Telluride Science Research Center Workshop: Solar Solutions to Energy and Environmental Problems**.Telluride, CO. June 26-30, 2017 (**Invited Participant**)
3. **Faraday Discussion: Artificial Photosynthesis**.Kyoto, Japan, February 28- March 2, 2017 (**Accepted Participant**)
4. **SBIR/SBTR Defense Innovation Summit: Technology Acceleration Challenges**.Austin, TX. November 29-December 1, 2016 (**Accepted Participant**)
5. **Lorentz Center Workshop: Pathways to Solar Hydrogen Technologies**.Leiden, Netherlands. June 13-16, 2016 (**Invited Participant**)
6. **National Science Foundation Chemistry Early Career Award Workshop**.Arlington, VA. March 10-11, 2016 (**Invited Participant**)
7. **Telluride Science Research Center Workshop: Solar Solutions to Energy and Environmental Problems**.Telluride, CO. August 3-7, 2015 (**Invited Participant**)
   1. **Scialog Research Corporation for Scientific Advancement Conference and Workshop on Solar Energy Conversion**.Tucson, AZ. October 14-17, 2016 (**Invited Participant**)

**G. Oral and Poster Presentations**

***Since joining ASU*:**

1. Polymeric Surface Coatings for Semiconductor Photoelectrochemical Fuel Production. Anna M. Beiler, Diana Khusnutdinova, Brian Wadsworth, Gary F. Moore. **Photochemistry Gordon Research Conference**. Bates College, Lewiston, ME. July 23-July 28, 2017 (**Poster**)
2. SUNCROPS: Solar-Fuels Using Nanaoscale Catalysts Reacting On Polymer Modified Semiconductors. Diana Khusnutdinova, Anna M. Beiler, Brian Wadsworth, Samuel Jacob, Gary F. Moore. **Electron Donor Acceptor Interactions Gordon Research Conference**. Salve Regina University, Newport, RI. February 28-March 4, 2016 (**Poster**)
3. Chemistry at the Interface Molecular Modified Semconductors for Solar Fuel Production and Attachment of Catalytic Nanomaterial to Semiconductor Surfaces. Diana Khusnutdinova, Anna M. Beiler, Samuel Jacob, Gary F. Moore. **Renewable Energy: Solar Fuels Gordon Research Symposium**. Lucca (Barga), Italy. May 13-18, 2016 (**Poster**)
4. Molecular-Modified Semiconductors for Photochemical CO2 Reduction. Diana Khusnutdinova, Anna Beiler, Samuel Jacob, Gary F. Moore. **Photochemistry Gordon Research Conference**. Stonehill College, Easton, MA. July 19-24, 2015 **(Poster)**
5. Molecular-Modified Semiconductors for Artifical Photosynthesis. Diana Khusnutdinova, Anna Beiler, Samuel Jacob Gary F. Moore. **Photosynthesis Gordon Research Conference**. Bentley University, Waltham, MA. June 28-July 3, 2015 (**Poster**)
6. Direct Electron Transfer Via Unnatural Amino Acids in Plant-Type [2FE-2S] Ferredoxin. Anna Beiler, Michael Vaughn, Kathryn Enderle, Thomas A. Moore, Gary F. Moore. **24th Western Photosynthesis Conference**. Pacific Grove, CA. January 8-11, 2015 (**Poster**)
7. Molecular Scale Approaches to a Global Scale Challenge. Gary F. Moore. **Photosynthesis Gordon Research Conference**. Mount Snow Resort, West Dove, VT. August 10-15, 2014 (**Oral**)
8. Controlling Solar Fuels Catalysis at the Interface using Molecular Design. Diana Cedeno, Alexandra Krawicz, Gary F. Moore. **Electron Donor Acceptor Interactions Gordon Research Conference**. Salve Regina University, Newport, RI. August 3-8, 2014 (**Poster**)
9. Using Molecular Design to Control the Performance of Hydrogen-Producing Polymer-Brush-Modified Photocathodes. Diana Cedeno, Alexandra Krawicz, Peter Doak, Min Yu, Jeffery B. Neaton, Gary F. Moore. **Renewable Energy: Solar Fuels Gordon Research Conference**. Four Points Sheraton, Ventura, CA. January 19-24, 2014 (**Poster**)

***Prior to ASU*:**

1. Energetics and Efficiency Evaluation of a Cobaloxime-Modified Semiconductor. Alexandra Krawicz, Gary F. Moore. **Photochemistry Gordon Research Conference**. Easton, MA. July 14-19, 2013 **(Poster)**
2. Developing New Photocathode Materials. Gary F. Moore, Ian D. Sharp. **Electron Donor Acceptor Interactions Gordon Research Conference**. Salve Regina University, Newport, RI. August 5-10, 2012 (**Poster**)
3. Hydrogenase Active Site Mimics Immobilized on p-Type Silicon. Moore, Gary F. Moore, Ian D. Sharp. **Photosynthesis Gordon Research Conference**. Davidson College, Davidson, NC. July 8-13, 2012 (**Poster**)
4. Covalent Attachment of Catalytic Nanomaterial to Semiconductor Surfaces. Gary F. Moore, Ian D. Sharp. **Renewable Energy: Solar Fuels Gordon Research Symposium**. Lucca (Barga), Italy. May 13-18, 2012 (**Poster**)
5. Hybrid Photoanodes Materials for Visible Light Induced Water Oxidation. Moore, G. F.; Blakemore, J. D.; Milot, R. L.; Hull, J.; Song, H; Cai, L; Schmuttenmaer, C. A.; Crabtree, R. H.; Brudvig, G. W. **Photosynthesis Gordon Research Conference**. Davidson College, Davidson, NC. June 12-17, 2011 (**Poster**)
6. High Potential Photoanodes for Applications in Photoelectrochemical Cells. Gary F. Moore, James D. Blakemore, Hee-eun Song, Rebecca L. Milot, Victor S. Batista, Charles A. Schmuttenmaer, Robert H. Crabtree, Gary W. Brudvig. **Renewable Energy: Solar Fuels Gordon Research Conference**. Ventura Beach Marriott, Ventura, CA. January 16-21, 2011 (**Poster**)
7. High Potential Photoanodes for Applications in Photoelectrochemical Cells. Gary F. Moore, James D. Blakemore, Hee-eun Song, Rebeca L. Milot, Victor S. Batista, Charles A. Schmuttenmaer, Robert H. Crabtree, Gary W. Brudvig. **Renewable Energy: Solar Fuels Gordon Research Symposium**. Four Points Sheraton, Ventura, CA. January 15-16, 2011 (**Oral**)
8. Bioinspired Approches to Solar Fuels. Gary F. Moore, James D. Blakemore, Hee-eun Song, Rebeca L. Milot, Victor S. Batista, Charles A. Schmuttenmaer, Robert H. Crabtree, Gary W. Brudvig. **20th Western Photosynthesis Conference**. Pacific Grove, CA. January 6-9, 2011 (**Oral and Poster**)
9. High Potential Photoanodes. Gary F. Moore, James D. Blakemore, Hee-eun Song, Rebecca L. Milot, Victor S. Batista, Charles A. Schmuttenmaer, Robert H. Crabtree, Gary W. Brudvig. **Zing Solar Fuels / Photochemistry Conference**. Cancun, Mexico. December 1-2, 2010 (**Oral**)
10. Thermodynamics of Electron Transfer in High Potential Photoanodes. Gary F. Moore, James D. Blakemore, Hee-eun Song, Rebecca L. Milot, Victor S. Batista, Charles A. Schmuttenmaer, Robert H. Crabtree, Gary W. Brudvig. **Electron Donor Acceptor Interactions Gordon Research Conference**. Salve Regina University, Newport, RI. August 8-13, 2010 (**Poster**)
11. Development of High Potential Photoanodes. Gary F. Moore, James D. Blakemore, Hee-eun Song, Rebecca L. Milot, Victor S. Batista, Charles A. Schmuttenmaer, Robert H. Crabtree, Gary W. Brudvig. **27h Eastern Regional Photosynthesis Conference**. Woods Hall, MA. April 16-18, 2010 (**Poster**)
12. Tetrapyrrolic-carboxylate and Acetylacetonate Linkers for Roboust Functionalization of TiO2 and SnO2 in Dye-Sensitized Solar Cells. Gary F. Moore, James D. Blakemore, Hee-eun Song, Rebecca L. Milot, Victor S. Batista, Charles A. Schmuttenmaer, Robert H. Crabtree, Gary W. Brudvig. **19th Western Photosynthesis Conference and Arnon Centennial Symposium**. Pacific Grove, CA. January 7-10, 2010 (**Poster**)
13. Bioinspired Mediators for Solar Energy Transduction. Gary F. Moore, Michael Hambourger, Gerdenis Kodis, Weston Michl, Devens Gust, Thomas A. Moore, Ana L. Moore. **Photosynthesis Gordon Research Conference**. Bryant University Smithfield, RI. June 28-July 3, 2009 (**Poster**)
14. Bioinspired Mediators: “Probing the Effects of Nanostructure on Redox Behavior”. Gary F. Moore, Michael Hambourger, Weston Michl, Devens Gust, Thomas A. Moore, Ana L. Moore. **International Center for Materials US-Argentina Workshop on Nanomaterials**. Hotel Amancay, Bariloche, Argentina. March 15-17, 2009 (**Poster**)
15. Understanding the Role of TyrZ-His190 Pair in Water Oxidation. Gary F. Moore, Michael Hambourger, Weston Michl, Devens Gust, Thomas A. Moore, Ana L. Moore. Renewable Energy: **Solar Fuels Gordon Research Conference**. Four Points Sheraton / Holiday Inn Express, Ventura, CA. February 1-6, 2009 (**Oral and Poster**)
16. Understanding the Role of TyrZ-His190 Pair in Water Oxidation. Gary F. Moore, Michael Hambourger, Weston Michl, Devens Gust, Thomas A. Moore, Ana L. Moore. **Renewable Energy: Solar Fuels Gordon Research Symposium**. Ventura Beach Marriott, Ventura, CA. January 31- February 1, 2009 (**Poster**)
17. Proton Coupled Electron Transfer in Bioinspired Mediators. Gary F. Moore, Michael Hambourger, Weston Michl, Devens Gust, Thomas A. Moore, Ana L. Moore. **18th Western Photosynthesis Conference**. Pacific Grove, CA. January 8-11, 2009 (**Oral and Poster**)
18. Electron Transfer in a Bioinspired Hybrid System. Gary F. Moore, Michael Hambourger, Miguel Gervaldo, Oleg G. Poluektov, Tijana Rajh, Devens Gust, Thomas A. Moore, Ana L. Moore. **Electron Donor Acceptor Interactions Gordon Research Conference**. Salve Regina University, Newport, RI. August 3-8, 2008 (**Oral and Poster**)
19. A Bioinspired Construct that Mimics the Proton Coupled Electron Transfer between P680+ and Tyrosine Z in Photosystem II. Gary F. Moore, Michael Hambourger, Miguel Gervaldo, Oleg G. Poluektov, Tijana Rajh, Devens Gust, Thomas A. Moore, Ana L. Moore. **Photosynthesis Gordon Research Conference**. Mont Holyoke College, South Hadley, MA. June 22-27, 2008 (**Oral and Poster**)
20. A Bioinspired Construct that Mimics the Proton Coupled Electron Transfer Between P680•+ and Tyrosine Z in Photosystem II. Gary F. Moore, Michael Hambourger, Miguel Gervaldo, Oleg G. Poluektov, Tijana Rajh, Devens Gust, Thomas A. Moore, Ana L. Moore. **Photosynthesis and Bioenergy Gordon Research Symposium**. Mont Holyoke College, South Hadley, MA. June 21-22, 2008 (**Oral and Poster**)
21. Bioinspired Constructs that Mimic the Electron Transfer Between P680•+ and Tyrosine Z in Photosystem II. Gary F. Moore, Michael Hambourger, Gerdenis Kodis, Amy Keirstead, Miguel Gervaldo, Devens Gust, Ana L. Moore, Thomas A. Moore. **17th Western Photosynthesis Conference**. Pacific Grove, CA. January 3-6, 2008 (**Poster**)
22. Donor Side Mimics of the Electron Transfer in PSII. Gary F. Moore, Michael Hambourger, Gerdenis Kodis, Miguel Gervaldo, Devens Gust, Thomas A. Moore, Ana L. Moore. **Renewable Energy: Solar Fuels Gordon Research Conference**. Ventura Beach Marriott, Ventura, CA. January 21-26, 2007 (**Poster**)
23. Charge Separation and Energy Transfer in a Caroteno–C60 dyad: Photoinduced Electron Transfer from the Carotenoid Excited States. Gary F. Moore, Rudi Berera, Ivo H. M. van Stokkum, Gerdenis, Paul A. Liddell, Miguel Gervaldo, Rienk van Grondelle, John T. M. Kennis, Devens Gust, Thomas A. Moore, Ana L. Moore. **16th Western Photosynthesis Conference**. Pacific Grove, CA. January 4-7, 2007 (**Poster**)
24. Biomimetic Modeling of the Electron Transfer between P680 and Tyrosine Z in PS II. Gary F. Moore, Michael Hambourger, Gerdenis Kodis, Miguel Gervaldo, Devens Gust, Thomas A. Moore, Ana L. Moore. **Electron Donor Acceptor Interactions Gordon Research Conference**. Salve Regina University. Newport, RI. August 13-18, 2006 (**Poster**)
25. Synthesis and Characterization of Biomimetic Models for the Electron Transfer Between P680 and Tyrosine Z. Gary F. Moore, Michael Hambourger, Gerdenis Kodis, Devens Gust, Thomas A. Moore, Ana L. Moore. **15th Western Photosynthesis Conference**. Pacific Grove, CA. January 5-8, 2006 (**Oral and Poster**)
26. Synthesis and Photochemical Properties of Lichen Acids Porphyrin Dyads. Gary F. Moore, Peter J. Pessiki. **American Chemical Society National Meeting**, Philadelphia, PA. August 22-26, 2004 (**Poster**)
27. Lichen Acid Porphyrin Dyads. Gary F. Moore, Peter J. Pessiki. **6th Annual UW Undergraduate Research Symposium**, University of Washington, Seattle, WA. May 16, 2003 (**Oral and Poster**)
28. Synthesis and Characterization of Metal Chelating Porphyrins. Gary F. Moore, Peter J. Pessiki. **American Chemical Society Student Affiliate Symposium of the Puget Sound Section of the American Chemical Society**, Seattle University, Seattle, WA. May 10, 2003 (**Oral and Poster**)
29. Metal Chelating Porphyrins: Strategies and Progress. Gary F. Moore, Peter J. Pessiki **American Chemical Society** **57th Northwest Regional Meeting**, Spokane, WA. June 20-21, 2002 (**Poster**)
30. Lichen Acids Covalently Attached to Porphyrins. Gary Moore, Lalita M. Calabria, Peter J. Pessiki. **American Chemical Society** **Undergraduate Research Symposium**, University of Washington, Seattle, WA. May 4, 2002 (**Oral and Poster**)

**Honors Awarded to Students and the G. F. Moore Research Group**

***Since joining ASU*:**

1. **2017 Philanthropic Education Organization (PEO) Fellowship** / Awarded to Anna M. Beiler (current graduate student)
2. **2017 Leroy Eyring Memorial Fellowship** / Awarded to Brian W. Wadsworth, a (current graduate student)
3. **2017 George Yuen Memorial Award** / Presented to Diana Khusnutdinova, (current graduate student)
4. **2017 Achievement Rewards for College Scientists (ARCS)** / Awarded to Anna M. Beiler (current graduate student)
5. **2017 Science Fusion Award** / Presented to Diana Khusnutdinova (current graduate student)
6. **2017 Marie Curie Award** for Best Use of Chemistry / Presented to Anna M. Beiler (current graduate student)
7. **2017 Outstanding Teaching Assistant Award** / Presented to Diana Khusnutdinova (current graduate student)
8. **Invitation to Speak at the 2017** **Photochemistry Gordon Research Symposium** / Presented to Anna M. Beiler (current graduate student)
9. **2017 Flash Presentation Award** / Awarded to G. F. Moore Group at the 2017 International Solar Fuels Conference in San Diego.
10. **2017 Bidstrup Undergraduate Fellowship** / Awarded to Sylvia Nanyangwe (current undergraduate student)
11. **2017 Running on Sun Summer Internship Award** / Presented to Ahela Reyes (former Phoenix Preparatory Academy high school student intern)
12. **2016 Student Affiliates of the American Chemical Society Award** / Presented to undergraduate Student Samuel Jacob (former undergraduate student and co-author on four peer-reviewed publications in high-impact journals)
13. **2016 George Yuen Memorial Award** / Presented to Diana Khusnutdinova, (current graduate student)
14. **2016 Material Research Society (MRD) Poster Presentation Award** / Awarded to Anna M. Beiler current graduate student)
15. **2015 Undergraduate Summer Enrichment Award** / Awarded to Samuel Jacob
16. **2015 ACS Best Presentation in Session** / Awarded to the G. F. Moore Group at the 2015 National ACS Conference in Boston
17. **National Science Foundation IGERT-SUN Fellow** /Awarded to Brian W. Wadsworth, a (current graduate student)
18. **National Science Foundation IGERT-SUN Fellow** / Awarded to Anna M. Beiler (current graduate student)

*In addition to these awards, graduate students in Prof Moore’s group have been invited to chair Gordon Research Symposium sessions as well as organize sessions at the Materials Research Society Meetings.*

***Prior to ASU*:**

1. **2014 Photochemistry** **Gordon Research Conference Young Investigator Award** / Presented to Alexandra Krawicz (fromer postdoctoral student)
2. **Western Photosynthesis Conference Best Poster Presentation Award** / Presented to Alexandra Krawicz (fromer postdoctoral student)
3. **Invitation to Speak at the 2014** **Electron Donor Acceptor Gordon Research Symposium** / Presented to Diana Cedeno (fromer postdoctoral student)

**II. TEACHING EXPERIENCE**

**A. Courses Taught**

***Since joining ASU*:**

1. **CHM 598 Solar Enegry Conversion** (Fall 2017)
2. **CHM 433 Advanced Organic Chemistry** (Fall 2017)
3. **CHM 531 Advanced Organic Chemistry** (Fall 2017)
4. **CHM 598 Solar Enegry Conversion** (Spring 2017)
5. **CHM 433 Advanced Organic Chemistry** (Fall 2016)
6. **CHM 531 Advanced Organic Chemistry** (Fall 2016)
7. **CHM 501 Organic Chemistry** (Spring 2016)
8. **BCH 392 Introduction to Research Techniques** (Spring 2016)
9. **CHM 233** **General Organic Chemistry** (Spring 2016)
10. **BCH 392 Introduction to Research Techniques** (Fall 2015)
11. **CHM 433 Advanced Organic Chemistry** (Fall 2015)
12. **CHM 531 Advanced Organic Chemistry** (Fall 2015)
13. **CHM 493 Honors Thesis** (Spring 2015)
14. **CHM 392 Introduction to Research Techniques** (Spring 2015)
15. **BCH 392 Introduction to Research Techniques** (Spring 2015)
16. **CHM 598 Solar Energy Conversion** (Fall 2014)

**Courses Taught at Berkeley Labs**:

1. Joint Center for Artifical Photosynthesis **Summer School on Surface Science**

(Summer 2013)

1. Joint Center for Artifical Photosynthesis **Winter School on Solar Energy**

**Conversion** (Winter 2012)

**B. Student Mentoring**

**Students Currently Mentored at Arizona State University:**

(*For further information of members of the G. F. Moore research group as well as a brief description of their research and other interests, please visit the following web link:* [*http://www.gfmoorelab.com/people.html*](http://www.gfmoorelab.com/people.html))

1. **Sophia Chan** (2017– current / High School Student Science Fair Project)
2. **Yegor Zenkov** (2017– current / Underaduate Student Non-Research Credit)
3. **Edgar Reyes** (2016– current / Graduate Student)
4. **Brian Wadsworth** (2015 – current / Graduate Student)
5. **Anna Beiler** (2014 – current / Graduate Student)
6. **Diana Khusnutdinova** (2014 – current / Graduate Student)
7. **Gabriela Gorosics** (2014 – current / Visiting Researcher / North Point Prep High School Teacher, Robotics Competition Team Captain)
8. **Sylvia Nanyangwe** (2015 – current / Undergraduate Student Research Credit / Barrett Honors / MasterCard Fellow)

**Students Formerly Mentored at Arizona State University:**

1. **Ahela Reyes** (summer 2017 / Phoenix Preparatory Academy High School Intern)
2. **Christian Huber** (2015 – current / Undergraduate Student Non-Research Credit)
3. **Edward Skibo** (2014 – 2016 / Undergraduate Student Barrett Honors Project)
4. **Samuel Jacob** (2014 – 2016 / Undergraduate Student Research Credit / 2015 SAACS Undergraduate Research Award / Currently a Chemistry PhD candidate at U.C. Santa Barbara)
5. **Avraham Echeverri** (2014 – 2015 / Undergraduate Student Research Credit)
6. **Mathew Cash** (2014 – 2016 / Undergraduate Student Non-Research Credit)
7. **Nhu Mac** ( 2014 – 2015 / Undergraduate Student Non-Research Credit)

**Students Formerly Mentored at Berkeley Lab:**

1. **Alexandra Krawicz** (2012 – 2014 / Posdoctoral Scholar / 2014 Photochemistry Gordon Research Conference Young Investigator Awardee / Western Photosynthesis Conference Best Poster Presentation Award / Currently Employed at EMI Electronics, USA)
2. **Diana Cedeno** (2012 – 2014 / Postdoctoral Scholar / Invited Speaker to 2014 Electron Donor Acceptor Gordon Research Symposium / Currently Employed at PTRL West-Evans Analytical Group, USA)
3. **Jesse Jenkins** (2012 – 2013 / Graduate Student / Co-advised with Prof. Don Tilley / Currently Entreprenuer at Hedron LLC 3D-Printing and Prototyping Services)

**C. Completed Courses and Training on Teaching and Mentoring**:

1. **Fundamentals of Teaching in the Sciences** (Yale University, Fall 2012)

**III. SERVICE**

**A Professional service:**

**Conferences Organized**

***Prior to ASU*:**

1. Photosynthesis, Bioenergy and Artifical Photosynthesis. **Photosynthesis Gordon Seminar**. Davidson College, Davidson, NC. July 7-8, 2012 (**Conference Organizer and** **Chair**)

**Conference Sessions Chaired**

***Since joining ASU*:**

1. Synthetic Photochemistry Session. **26th Winter** **Inter-American Photochemical Society Conference**. Sarasota, FL January 2-5, 2017 **(Session Chair)**
2. Bioinspired Energy Conversion Session, ENVR Division. **250th ACS Meeting &**

**Exposition**. Boston, MA August 16-20, 2015 **(Session Chair)**

***Prior to ASU*:**

1. Artificial Photosynthesis Session. **21st Western Photosynthesis Conference**. Pacific Grove, CA. January 3-5, 2013 (**Session Chair**)

(1) Artificial Photosynthesis Session. **22nd Western Photosynthesis Conference**. Pacific Grove, CA, January 5-8, 2012 (**Session Chair**)

**Reviewer of the Following Journals** (reviewing ~3 manuscripts/month since 2014):

1. Nature Chemistry (Impact Factor: 27.893)
2. Nature Materials (Impact Factor: 38.891)
3. Energy and Environmental Science (Impact Factor: 25.427)
4. Journal of the American Chemical Society (Impact Factor: 13.038)
5. Chemical Science (Impact Factor: 9.144)
6. Journal of Physical Chemistry Letters (Impact Factor: 8.539)
7. Applied Materials and Interfaces (7.145)
8. Inorganic Chemistry (Impact Factor: 4.820)
9. Journal of Physical Chemistry C (Impact Factor: 4.509)
10. Physical Chemistry Chemical Physics (Impact Factor: 4.449
11. International Journal of Hydrogen Energy (Impact Factor: 3.313)
12. Journal of Physical Chemistry B (Impact Factor: 3.187)
13. Interface Focus (Impact Factor: 3.124)
14. Photochemistry and Photobiology (Impact Factor: 2.008)
15. ACS Energy Letters (Impact Factor: NA new journal)

**Professional Organization Memberships:**

1. American Indian Science and Engineering Society
2. Inter-American Photochemical Society
3. The Electrochemical Socieity
4. American Chemical Society (Energy Science Division)
5. American Chemical Society (Environmental Chemistry Division)
6. Materials Research Society
7. International Society of Photosynthesis Research
8. Yale University Edwin A. Bouchet Honor Society

**B. Departmental Service**

**Comprehensive Exam Committees:**

1. **Zachary Dobson** (2017)
2. **Nicholas Halloran** (2015)
3. **Patrick Wallace** (2015)
4. **Samuel Williams** (2015)
5. **Zahra B. Dizicheh** (2014)

**Comprehensive Exam Committee Chair:**

* 1. **Abhishek Debnath** (2015)

**Thesis Defense Committees:**

1. **Dayn Sommer** (2016)

**Other Committees and Service at Arizona State University:**

1. **Center for Bioenergy and Photosynthesis Seminar Committee** (Fall 2016 – current)
2. **School of Molecular Sciences Seminar Committee** (Fall 2016 – current)
3. **School of Molecular Sciences Recruitment Committee** (Fall 2016 and Spring 2017)
4. **School of Molecular Sciences Student Recruitment Committee** (Fall 2015 and Spring 2016)
5. **XFEL Faculty Search Committee** (Fall 2015 and Spring 2016)
6. **Chemistry and Biochemistry Graduate Student Recruitment Committee**

(Fall 2014 Spring 2015)

1. **Photosynthesis Faculty Search Committee** / Joint search with School of Life Sciences and Chemistry and Biochemistry (Fall 2014 and Spring 2015)

**External Committees and Service while at Arizona State University:**

1. Department of Energy External Independent Reviewer (2017)
2. National Science Foundation On-site Panel Reviewer (2017)
3. National Science Foundation External Independent Reviewer(2017)

**Committees and Service at Berkeley Labs:**

1. Berkeley Lab’s Energy Cross Divisional Implementation Team (2013-2014)
2. Staff Scientist Hiring Committee (2013-2014)
3. Joint Integration Team(2012-2014)
4. Building Emergency Team (2012-2014)
5. Lab Manager Hiring Committee (2012-2014)
6. Coordinator for acquisition and installation of DOE Solar-Energy Hub capital research equipment, including a $1M NMR spectrophotometer (2011)

**C. Outreach Activities**

***Outreach activities since joining ASU*:**

1. Worked with the Tempe Center for the Arts and local Arizona artist Jose Benavides on a project regarding bioinspired research and the use of art to convey scientific concepts to the general public (2017)
2. Initiated and host the Running on Sun Internship (ROSI) program at ASU, an NSF-sponsored project that provides high school internships for developing scientists through the Phoenix Preparatory Academy, which is composed almost entirely of underserved groups (2017-current)
3. Mentor undergraduate students in ASU’s Barrett Honors College (2015-current)
4. Coach local high school students participating in the Arizona Science and Engineering Fair (AzSEF) (2015-current)
5. Mentor for *students affiliated with the* American Indian Science & Engineering Society (AISES) at ASU (current)
6. Grand Judge for the INTEL International Science & Engineering Fair (2016)
7. Presenter at the Telluride Workshop on  “*Solar Solutions to Energy and Environmental Problems”* (2015)
8. Session Chair for Bioinspired Energy Conversion Session, ENVR Division at the 250th ACS Meeting & Exposition (2015)
9. Mentor North Point Preparatory Academy High School teacher Gabriela Gorosics (2015-current)
10. Invited Lecturer at the Royal Society at Chicheley Hall “*Do We Need a Global Project on Artificial Photosynthesis”* workshop (2014)

***Outreach activities* at Berkeley Labs:**

1. Panel Discussion Participant to Berkeley Lab Film Screening of *Switch: Discover the Future of Energy* (2013)
2. Instructor for a Surface Science Summer School Outreach Program (2013)
3. Participant in the Berkeley Lab Open House Outreach Program: Ask a Scientist (2013)
4. Instructor for a Solar Energy Conversion Winter School Outreach Program (2012)
5. Participant in the Berkeley Lab Open House Outreach Program: Make Like a Leaf (2012)