

IDENTIFYING INFORMATION:**NAME:** Clark, Aurora Evelyn**POSITION TITLE:** Professor, Associate Chair of Diversity and Inclusion, Department of Chemistry**PRIMARY ORGANIZATION AND LOCATION:** University of Utah, Salt Lake City, Utah, United States**Professional Preparation:**

| ORGANIZATION AND LOCATION | DEGREE (if applicable) | RECEIPT DATE | FIELD OF STUDY |
|---|---------------------------|--------------|-------------------|
| Indiana University, Bloomington, Indiana, United States | PHD | 06/2003 | Chemistry |
| Central Washington University, Ellensburg, Washington, United States | BS | 06/1999 | Chemistry |

Appointments and Positions

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| 2022 - present | Professor, Associate Chair of Diversity and Inclusion, Department of Chemistry, University of Utah, Chemistry, Salt Lake City, Utah, United States |
| 2016 - 2022 | Director, Center for Institutional Research Computing, Washington State University, Pullman, Washington, United States |
| 2016 - 2019 | Director, WSU-PNNL Nuclear Science and Technology Institute, Washington State University, Pullman, Washington, United States |
| 2014 - 2017 | Director, Materials Science and Engineering Program, Washington State University, Pullman, Washington, United States |
| 2005 - 2022 | Professor, Department of Chemistry, Washington State University, Pullman, Washington, United States |
| 2003 - 2005 | Directors Postdoctoral Fellow, Los Alamos National Laboratory, Los Alamos, New Mexico, United States |

Products**Products Most Closely Related to the Proposed Project**

1. Kumar N, Clark AE. Adsorbate Organization Characterized by Sublevelset Persistent Homology. J Chem Theory Comput. 2023 Jun 13;19(11):3303-3312. PubMed PMID: [37226305](#).
2. Sadhu B, Clark AE. Modulating Aggregation in Microemulsions: The Dispersion by Competitive Intermolecular Interaction Model. J Phys Chem Lett. 2022 Dec 1;13(47):10981-10987. PubMed PMID: [36404619](#).
3. Kumar N, Clark AE. Unexpected inverse correlations and cooperativity in ion-pair phase transfer. Chem Sci. 2021 Oct 27;12(41):13930-13939. PubMed Central PMCID: [PMC8549775](#).
4. Liu Z, Clark AE. An octanol hinge opens the door to water transport. Chem Sci. 2020 Dec 8;12(6):2294-2303. PubMed Central PMCID: [PMC8179308](#).
5. Sadhu B, Clark A. The Contrasting Role of Water and Acid Within Organic Phase Amphiphile Aggregation. Journal of Molecular Liquids. 2022; 359:119226. DOI: 10.1016/j.molliq.2022.119226

Other Significant Products, Whether or Not Related to the Proposed Project

1. Servis MJ, Clark AE. Cluster Identification Using Modularity Optimization to Uncover Chemical Heterogeneity in Complex Solutions. *J Phys Chem A*. 2021 May 13;125(18):3986-3993. PubMed PMID: [33929191](#).
2. Alvarado E, Liu Z, Servis MJ, Krishnamoorthy B, Clark AE. A Geometric Measure Theory Approach to Identify Complex Structural Features on Soft Matter Surfaces. *J Chem Theory Comput*. 2020 Jul 14;16(7):4579-4587. PubMed PMID: [32482064](#).
3. Servis M, Sadhu B, Soderholm L, Clark A. Amphiphile Conformation Impacts Aggregate Morphology and Solution Structure Across Multiple Lengthscales. *Journal of Molecular Liquids*. 2022; 345:117743. DOI: 10.1016/j.molliq.2021.117743
4. Nayak S, Kumal RR, Liu Z, Qiao B, Clark AE, Uysal A. Origins of Clustering of Metalate-Extractant Complexes in Liquid-Liquid Extraction. *ACS Appl Mater Interfaces*. 2021 May 26;13(20):24194-24206. PubMed PMID: [33849269](#).
5. Kumar N, Servis M, Clark A. Uranyl Speciation in the Presence of Ion Gradients at the Electrolyte/Organic Interface. *Solvent Extraction and Ion Exchange*. 2021; 40:165. DOI: 10.1080/07366299.2021.1954323

Synergistic Activities

1. Co-organizer with Erik Luitjen, Focus Session March 2023 APS “Middle Scales of Chemical Physics”
2. Organizer, Institute of Mathematical and Statistical Innovation workshop “Mathematics of Soft Matter” 2/29/2022 – 3/4/2022
3. Co-Organizer, DOE BES CGSB Council Workshop “At the Tipping Point: The Future of Fused Chemical and Data Science” (9/21/20-9/23/20)
4. Panel member, Innovative Separations R&D Needs for Advanced Fuel Cycles Workshop, writer - Data Science CrossCut, 10/21
5. Chair, DOE Council on Chemical Sciences, Geosciences and Biosciences, (1/1/17 – 12/31/2021)

Certification:

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Clark, Aurora Evelyn in SciENcv on 2023-11-21 17:02:26