

Jonathan Clark

UNDERGRADUATE MENTORING

Summary (1992 – 2023)

- **Directly supervised the research projects of 32 students, 26 of whom completed post-graduate degrees**
 - 1 M.D./Ph.D. degree
 - 12 M.D. degrees
 - 8 Ph.D. degrees
 - 1 D.D.S. degree
 - 4 M.S. degrees
- **Peer-reviewed journal publications with nine student co-authors**
(Schlosser, Altheide, Kim, Colton, Ostler, Matyjasik, Truong, Bedolla, Haney)
- **24 student presentations at national and international meetings**
(France, Japan, Montana, California, Washington DC, North Carolina, Texas, Washington State, New York, Missouri, Georgia, Hawaii, Oregon, Wisconsin, Virginia)
- **Six undergraduate and one Master's theses**
(Ostler, Bentley, Freidekind, Oney, Minear, Truong)
- **Five national research awards**
(Gabrielsen, Suurmeyer, Minear, Truong, Sorbonne)
- **\$51,512 in competitive fellowships and grants, written by students**
(Anderson, Gabrielsen, Ericson, Suurmeyer, Oney, Cottrell, Minear, Truong, Cox, Hill, Nguyen, Hunziker, Haney, Wilko, Sorbonne)
- **Competitive student grants obtained from 14 different agencies**
- **13 students elected to Sigma Xi on the basis of research accomplishments**
(Colton, Bentley, McKinley, Suurmeyer, Cottrell, Neilsen, Minear, Truong, Cox, Nguyen, Hunziker, Haney, Sorbonne)
- **11 (of 22 possible) Department of Zoology Laboratory Research Awards**
(Poll, Ostler, Colton, McKinley, Ericson, Oney, Minear, Truong, Hunziker, Bedolla, Haney, Sorbonne)



MEETING SPONSORS

- American Association for the Advancement of Science
- Council on Undergraduate Research, “Posters on the Hill”
- International Congress of Genetics
- International *Wolbachia* Conference
- National Conference on Undergraduate Research
- Sigma Xi International Research Conference
- Society for Molecular Biology & Evolution

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University of Arizona
Tucson, AZ

STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Michael Schlosser	6/92 – 8/92; 6/94 – 8/94	Undergraduate Research Fellowship, Howard Hughes Medical Institute	<i>a</i>		M.D. 1998 Yale University
Tasha Altheide	8/93 – 12/95	N.S.F. Predoctoral Fellowship	<i>a, b, c</i>		Ph.D. 2002 University of Arizona
Pyong Kim	6/94 – 6/95		<i>d</i>		M.D. 1999 University of Arizona
Zac Forsman	10/95 – 2/96	BRAVO [†] Fellowship for undergraduate research at Tsukuba Institute, Japan			Ph.D. 2003 University of Houston

[†]Biomedical Research Abroad, Vistas Open, funded by Howard Hughes Medical Institute

a – Clark JB, **TK Altheide**, **MJ Schlosser** and MG Kidwell. 1995. Molecular evolution of *P* transposable elements in the genus *Drosophila*. I. The *saltans* and *willistoni* species groups. Mol. Biol. Evol. 12:902-913.

b – Clark JB, WP Maddison, **TK Altheide** and MG Kidwell. 1993. Molecular phylogenetic analysis of *P* transposable elements in *Drosophila*. Second International Symposium on Molecular Insect Science, Flagstaff, AZ. July 17-22.

c – Clark JB, WP Maddison, **TK Altheide** and MG Kidwell. 1993. Molecular phylogenetic analysis of *P* transposable elements in *Drosophila*. International Congress of Genetics. Birmingham, UK. Aug. 15-21.

d – Clark JB, **P Kim** and MG Kidwell. 1998. Molecular evolution of *P* transposable elements in the genus *Drosophila*. III. The *melanogaster* species group. Mol. Biol. Evol. 15:746-755.

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Weber State University
Ogden, UT

STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Jed Poll	6/99 – 12/99			2000 Laboratory Research Award, Dept. of Zoology	M.D. 2004 Medical College of Wisconsin
Christopher Ostler	1/00 – 12/00		<i>e, f</i>	2001 Laboratory Research Award, Dept. of Zoology	M.S. 2005 Westminster College
Leah Colton	6/00 – 12/01	Ferguson Emerging Infectious Diseases Fellowship, Centers for Disease Control and Prevention	<i>g</i>	Elected to Sigma Xi; 2002 Laboratory Research Award, Dept. of Zoology	Ph.D. 2009 Colorado State University
Olga Freidekind	5/01 – 7/01		<i>h</i>	Diplomate (M.S.), University of Heidelberg	Ph.D. 2008 University of Heidelberg, Germany
Melissa Bentley	1/01 – 5/02		<i>i, j</i>	Elected to Sigma Xi	M.D. 2006 University of Utah

e – **Ostler C.** 2000. Identification of a *HeT-A* transposable element in *Drosophila teissieri*. Senior Thesis, Department of Zoology, Weber State University.

f – Watkins WS, A Rogers, **CT Ostler**, et al. 2003. Genetic variations among world populations: inferences from 100 *Alu* insertion polymorphisms. *Genome Res.* 13:1607-1618. [Research conducted at University of Utah]

g – **Colton L** and JB Clark. 2001. Comparison of DNA isolation methods and storage conditions for successful amplification of *Drosophila* genes using PCR. *Dros. Info. Service* 84:180-183.

h – **Freidekind O.** 2002. Practical training protocol: *In situ* hybridization to polytene chromosomes in *Drosophila*. Diplomate (Master's) thesis, University of Heidelberg, Germany. [Research conducted at W.S.U.]

i – **Bentley MJ.** 2002. Molecular phylogeny of the *Het-A* transposable element in the *melanogaster* species subgroup of *Drosophila*. Senior Thesis, Department of Zoology, Weber State University.

j – **Bentley M**, J Wilson and JB Clark. 2002. Molecular phylogenetic analysis of the *HeT-A* transposable element in the *melanogaster* species subgroup of *Drosophila*. Society for Molecular Biology and Evolution, Annual Meeting, Sorrento, Italy. June 12-16.

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STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Justin Wilson	5/01 – 5/02		<i>k</i>		M.D. 2006 Penn State University
Kristina McKinley (co-advised with <i>J. Cavitt</i>)	6/01 – 5/03		<i>l, m, n</i>	Elected to Sigma Xi; 2003 Laboratory Research Award, Dept. of Zoology	M.D. 2007 University of Utah
Aaron Anderson	5/03 – 5/04	Summer Undergraduate Research Experience in Biology, Weber State University	<i>o</i>		M.D. 2008 University of Cincinnati

k – Bentley M, **J Wilson** and JB Clark. 2002. Molecular phylogenetic analysis of the *HeT-A* transposable element in the *melanogaster* species subgroup of *Drosophila*. Society for Molecular Biology and Evolution, Annual Meeting, Sorrento, Italy. June 12-16.

l – **McKinley K**, JB Clark and JF Cavitt. 2002. Seasonal variation of offspring sex ratios in starlings. Council on Undergraduate Research, Annual Meeting, Salt Lake City, UT. March 13-15.

m – **McKinley K**, JF Cavitt and JB Clark. 2002. Seasonal variation of offspring sex ratios in starlings. Sigma Xi, Annual Meeting and Student Research Conference, Galveston, TX. November 15-17.

n – **McKinley K**. 2003. Seasonal variation of offspring sex ratio in European starlings. Senior Thesis, Department of Zoology, Weber State University.

o – **Anderson A** and JB Clark. 2004. Distinguishing closely-related species of *Drosophila* using DNA fingerprinting. Annual Undergraduate Research Symposium, Weber State University. March 29.

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STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Carrie Bauer <i>(co-advised with M. Sondossi)</i>	9/03 – 5/04		<i>p, q</i>	Sigma Xi Research Award, 2004	Research Technician, Applied Biosystems
Kenneth Lindley	9/03 – 5/05		<i>r</i>		M.D. 2008 Ohio State University
Eric Gabrielsen	5/04 – 5/05	Fellowship, N.S.F. – Research Experience for Undergraduates	<i>s, t</i>	Council on Undergraduate Research, “Posters on the Hill” <i>(one of only 60 students chosen nationwide)</i>	D.D.S. 2009 Ohio State University
Don Ericson <i>(co-advised with B. Trask)</i>	6/04 – 5/05	Undergraduate Research Fellowship, W.S.U. Office of Undergraduate Research	<i>u</i>	2005 Laboratory Research Award, Dept. of Zoology	M.D. 2009 University of Utah

p – Saxton EA, JN Sonstegard, **CK Bauer**, JB Clark, and M Sondossi. 2004. Microbial isolates from Great Salt Lake: Initial genetic characterization and range of salt tolerance. Utah Academy of Sciences Annual Meeting, Cedar City, UT. April 16.

q – **Bauer C**, JN Sonstegard, EA Saxton, JB Clark, and M Sondossi. 2004. Genetic characterization of microbial diversity in Great Salt Lake. Annual Undergraduate Research Symposium, Weber State University. March 29.

r – **Lindley K**, J Bambrick and JB Clark. 2005. Molecular phylogeny of the telomere-associated transposable element, *HeT-A*. Society of Systematic Biologists, Annual Meeting, Fairbanks, AK. June 11-14.

s – **Gabrielsen EJ** and JB Clark. 2005. Genetic identification of brine flies of Great Salt Lake. Annual Undergraduate Research Symposium, Weber State University. March 28.

t – **Gabrielsen EJ** and JB Clark. 2005. Initial genetic characterization of brine flies of Great Salt Lake. Council on Undergraduate Research, “Posters on the Hill”, Washington, DC. April 19.

u – **Ericson D**, N Racker, J Clark, and B Trask. 2005. Elevated concentrations of stress proteins in *Drosophila* in response to sleep deprivation. Annual Undergraduate Research Symposium, Weber State University. March 28.

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STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Ellen Suurmeyer	5/05 – 7/05	Fellowship, N.S.F. – Research Experience for Undergraduates	v	Elected to Sigma Xi; Outstanding presentation, Sigma Xi International Research Conference	Ph.D. 2012 University of Arizona
Brian Oney	6/07 – 5/08	Eccles Research Fellowship	w, x, y, z	2007 Laboratory Research Award, Dept. of Zoology	M.S. 2011 University of Bayreuth, Germany Ph.D. 2016 ETH Zurich, Switzerland
Natasha Neilsen	6/08 – 5/09		a, b	Elected to Sigma Xi	Research Technician, Myriad Genetics

v – **Suurmeyer E** and JB Clark. 2005. Genetic studies of brine fly diversification in Great Salt Lake. Sigma Xi, Annual Meeting and Student Research Conference, Seattle, WA. November 3-6.

w – **Oney B** and JB Clark. 2007. Genetic variation in natural populations of the Great Salt Lake Brine Fly, *E. cinerea*. Annual Undergraduate Research Symposium, Weber State University. March 26.

x – **Oney B** and J Clark. 2007. Genetic variation in natural populations of the Great Salt Lake Brine Fly, *E. cinerea*. National Conference on Undergraduate Research, San Rafael, CA. April 12-14.

y – **Oney B**. 2007. The utility of the ITS-1 region in assessing genetic variability in the brine fly, *Ephydra gracilis*. Senior Thesis, Department of Zoology, Weber State University.

z – Clark JB and **BJ Oney**. 2011. Molecular population genetic analysis of the brine fly, *Ephydra gracilis*, from Great Salt Lake. 11th International Conference on Salt Lake Research, Córdoba, Argentina. May 9-14.

a – **Neilsen N** and JB Clark. 2009. Phylogenetic analysis of the telomere-associated gene, *HeT-A*, in *Drosophila*. Annual Undergraduate Research Symposium, Weber State University. March 23.

b – **Neilsen N** and JB Clark. 2009. An expanded phylogenetic view of the telomere-associated transposable element, *HeT-A*, in *Drosophila*. Society of Systematic Biologists, Annual Meeting, Moscow, ID. June 12-16.

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STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Christy Cottrell <i>(co-advised with M. Sondossi)</i>	6/08 – 12/09	Doyle W. Stephens Research Fellowship, Friends of Great Salt Lake (http://www.fogsl.org/) Travel to Disseminate Grant (W.S.U. Office of Undergraduate Research)	<i>c, d, e</i>	Elected to Sigma Xi	Research Technician, Applied Biosciences
Krystle Minear	5/09 – 6/10	Research Fellowship, Ralph Nye Charitable Foundation Travel to Disseminate Grants [two] (W.S.U. Office of Undergraduate Research)	<i>f, g, h, i</i>	Elected to Sigma Xi; Outstanding presentation, Sigma Xi International Research Conference 2010 Laboratory Research Award, Dept. of Zoology	M.B.A. 2013 University of Utah

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- c* – **Cottrell C**, M Sondossi and JB Clark. 2009. Preliminary metagenomic analysis of bacteria associated with Great Salt Lake brine flies. Annual Undergraduate Research Symposium, Weber State University, March 23.
- d* – **Cottrell C**. 2009. Using metagenomics to assess the diversity of bacteria associated with Great Salt Lake brine flies. Annual Meeting, Friends of Great Salt Lake, Salt Lake City. May 27.
- e* – **Cottrell C**, M. Sondossi and JB Clark. 2009. Metagenomic identification of bacteria associated with Great Salt Lake brine flies. Sigma Xi Annual Meeting and International Research Conference, Woodlands, TX. November 12-15.
- f* – Clark JB and **Minear KJ**. 2009. DNA barcoding of shore flies from Great Salt Lake. Third International Barcoding of Life Conference, Mexico City. November 9-13.
- g* – **Minear KJ** and JB Clark. 2009. DNA barcoding reveals the diversity of shore flies from Great Salt Lake. Sigma Xi Annual Meeting and International Research Conference, Woodlands, TX. November 12-15.
- h* – **Minear KJ** and JB Clark. 2010. Use of nuclear and mitochondrial genes to distinguish Great Salt Lake shore flies. National Conference on Undergraduate Research, Missoula, MT. April 15-17.
- i* – **Minear KJ**. 2010. Using DNA barcoding to study the diversity of shore flies from Great Salt Lake. Senior Thesis, Department of Zoology, Weber State University.

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STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Amanda Truong	5/10 – 5/12	Research Fellowship, Kem and Carolyn Gardner Foundation	<i>j, k, l, m</i> <i>n, o, p, q,</i>	Elected to Sigma Xi	M.D./Ph.D 2021 University of Utah
		Cyrus M. McKell Research Scholarship		2011 Laboratory Research Award, Dept. of Zoology	
		Travel to Disseminate Grants [<i>three</i>] (W.S.U. Office of Undergraduate Research)		Undergraduate Mentoring and Diversity Award, Society for Molecular Biology & Evolution (<i>one of only 10 students chosen worldwide</i>)	

j – **Truong A**, M Sondossi and JB Clark. 2010. Characterization of *Wolbachia* in *Cirrus hians* from Great Salt Lake. Sigma Xi Annual Meeting and International Research Conference, Raleigh, NC. November 11-14.

k – **Truong A**, M Sondossi and JB Clark. 2011. Genetic analysis of the *Wolbachia* endosymbiont associated with Great Salt Lake brine flies. National Conference on Undergraduate Research, Ithaca, NY. March 31-April 2.

l – Sondossi M, **A Truong** and JB Clark. 2011. Genetic characterization of the bacterial endosymbiont, *Wolbachia*, in shore flies from Great Salt Lake. 11th International Conference on Salt Lake Research, Córdoba, Argentina. May 9-14.

m – **Truong A** and JB Clark. 2011. Genetic analysis of the *Wolbachia* endosymbiont associated with Great Salt Lake brine flies. Society for Molecular Biology and Evolution, Annual Meeting, Kyoto, Japan. July 26-30.

n – **Truong A**, M Sondossi and JB Clark. 2012. Comparative genetics of the *Wolbachia* endosymbiont associated with Great Salt Lake brine flies. National Conference on Undergraduate Research, Ogden, UT. March 29-31.

o – **Truong A**, M Sondossi and JB Clark. 2012. Comparative genetics of the *Wolbachia* endosymbiont associated with Great Salt Lake brine flies. Seventh International *Wolbachia* Conference, St. Pierre d’Oléron, France. June 7-12.

p – **Truong A**. 2017. Comparative genetics of the *Wolbachia* endosymbiont associated with Great Salt Lake brine flies. Senior Thesis, Department of Zoology, Weber State University.

q – **Truong A**, M Sondossi, and JB Clark. 2017. Genetic identification of *Wolbachia* from Great Salt Lake brine flies. *Symbiosis* 72:95-102.

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STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Michael Matyjasik	6/11 – 12/11	N.S.F.-Research Experience for Undergraduates	<i>r</i>		Ph.D. 2019 University of Colorado, Boulder
Haylie Cox	6/11 – 8/12	Research Fellowship, Kem and Carolyn Gardner Foundation Travel to Disseminate Grant (W.S.U. Office of Undergraduate Research)	<i>s, t, u, v</i>	Elected to Sigma Xi	M.S. 2013 Weber State University

r – Parrish RR, SC Buckingham, KL Mascia, JJ Johnson, **MM Matyjasik** and F Lubin. 2015. Methionine increases BDNF DNA methylation and improves memory in epilepsy. *Ann. Clin. Transl. Neurol.* 2:401-416.
[Undergraduate research conducted at University of Alabama-Birmingham]

s – **Cox H** and JB Clark. 2011. Comparative genetic analysis of the telomere-associated transposable element, *HeT-A*, in *Drosophila*. Sixth International Symposium on Molecular Insect Science, Amsterdam, Netherlands. October 2-5.

t – **Cox H** and JB Clark. 2010. Phylogenetic analysis of the unusual chromosomal telomeres of *Drosophila*, a model genetic organism. Sigma Xi Annual Meeting and International Research Conference, Raleigh, NC. November 10-13.

u – **Cox H** and JB Clark. 2012. Comparative molecular genetics of the unusual chromosome telomeres of *Drosophila*. National Conference on Undergraduate Research, Ogden, UT. March 29-31.

v – Clark JB and **H Cox**. 2012. Expanded phylogenetic analysis of the telomere-associated transposable element, *HeT-A*, in *Drosophila*. Society for Molecular Biology and Evolution Annual Meeting, Dublin, Ireland. June 23-26.

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STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Christopher Hill	5/13 – 5/14	Leon and Frances Staciokis Scholarship Research Fellowship, Denkers Family Foundation	<i>w</i>		M.D. 2018 Penn State University
Son Nguyen	5/13 – 5/16	Paul and Carolyn S. Thompson Research Scholarship Research Fellowship, Ralph S. Nye Charitable Foundation Travel to Disseminate Grant (W.S.U. Office of Undergraduate Research)	<i>x, y, z, a</i>	Elected to Sigma Xi	M.D. 2021 University of Utah

w – **Hill C**, M Sondossi and JB Clark. 2014. Preliminary metagenomic survey of bacteria associate with Great Salt Lake. Annual Undergraduate Research Symposium & Celebration, Weber State University. March 31.

x – **Nguyen S** and JB Clark. 2013. DNA barcoding of Great Salt Lake invertebrates. Fifth International Barcode of Life Conference, Kunming, China. October 27-31.

y – Clark JB, K Minear and **S Nguyen**. 2014. Using DNA Barcoding to Identify Great Salt Lake Invertebrates. Great Salt Lake Issues Forum, Salt Lake City, UT. May 7-9.

z – **Nguyen S** and JB Clark. 2014. Genetic analysis of invertebrates from Great Salt Lake, Utah. 12th International Conference on Salt Lake Research, Beijing, China. July 14-18.

a – **Nguyen S** and JB Clark. 2015. DNA barcoding of Great Salt Lake invertebrates. Sigma Xi Annual Meeting and International Research Conference, Kansas City, MO. October 24-29.

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		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Kelsey Hunziker	5/14 – 5/15	Travel to Disseminate Grant (W.S.U. Office of Undergraduate Research)	<i>b, c</i>	Elected to Sigma Xi; 2015 Laboratory Research Award, Dept. of Zoology	M.S. 2018 University of Edinburgh, Scotland
Oscar Bedolla	5/16 – 12/17	Travel to Disseminate Grant (W.S.U. Office of Undergraduate Research)	<i>d, e, f, g</i>	2017 Laboratory Research Award, Dept. of Zoology	M.D. 2022 University of Utah

b – **Hunziker K**, N Berthelemey and J Clark. 2015. Genetic identification of parasites associated with Great Salt Lake brine shrimp. Annual Undergraduate Research Symposium, Weber State University, March 30.

c – **Hunziker K**, N Berthelemey, S Redon and J Clark. 2015. Genetic identification of parasites associated with Great Salt Lake brine shrimp. Annual Meeting AAAS-Pacific Division, San Francisco, CA. June 14-17.

d – **Bedolla O** and JB Clark. 2016. Genetic exploration of invertebrate diversity in Great Salt Lake. Sigma Xi Annual Meeting and International Research Conference, Atlanta, GA. November 11-13.

e – **Bedolla O** and J Clark. 2017. DNA Barcoding of Great Salt Lake invertebrates. 7th International Barcode of Life Conference, Kruger National Park, South Africa. November 20-24.

f – Clark JB, **O Bedolla** and S Haney. 2017. Genetic studies of invertebrate diversity in the Great Salt Lake ecosystem. 13th International Conference on Salt Lake Research, Ulan-Ude, Russia. August 21-25.

g – Haney S, **O Bedolla** and JB Clark. 2022. DNA barcodes for Great Salt Lake brine flies establish a baseline for monitoring changes in biodiversity. *Inland Waters*. doi.org/10.1080/20442041.2022.2144084

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STUDENT	DATES	RESEARCH ACCOMPLISHMENTS			SUBSEQUENT DEGREE/POSITION
		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Sabrina Haney	5/16 – 5/19	Travel to Disseminate Grant (W.S.U. Office of Undergraduate Research)	<i>h, i, j, k</i>	2018 Laboratory Research Award, Dept. of Zoology	Ph.D. Program Washington State University
Taylor Wilko	9/18 – 5/20	Research Fellowship, Ralph S. Nye Charitable Foundation Travel to Disseminate Grant (W.S.U. Office of Undergraduate Research)	<i>l, m</i>		
Madeleine Sorbonne	5/20– 5/23	Travel to Disseminate Grant (W.S.U. Office of Undergraduate Research)	<i>n</i>	2023 Laboratory Research Award, Dept. of Zoology Award for top presentation in Ecology/Evolutionary Biology Sigma Xi-iFoRE conference	

h – **Haney S** and J Clark. 2017. Invertebrate diversity in the Great Salt Lake ecosystem revealed by DNA barcoding. Annual Meeting of AAAS-Pacific Division, Waimea, HI. June 19-24.

i – Clark J, O Bedolla and **S Haney**. 2017. Genetic studies of invertebrate diversity in the Great Salt Lake ecosystem. 13th International Conference on Salt Lake Research, Ulan-Ude, Russia. August 21-25.

j – **Haney S** and J Clark. 2019. DNA barcoding of invertebrates from the Great Salt Lake ecosystem. Annual Meeting of AAAS-Pacific Division, Ashland, OR. June 18-21.

k – **Haney S**, O Bedolla and JB Clark. 2022. DNA barcodes for Great Salt Lake brine flies establish a baseline for monitoring changes in biodiversity. *Inland Waters*. doi.org/10.1080/20442041.2022.2144084

l – **Wilko T** and J Clark. 2019. Optimizing conditions for DNA barcoding of economically important Invertebrates. Utah Conference on Undergraduate Research. February 22.

m – **Wilko T** and J Clark. 2019. DNA barcoding of economically important insects. Sigma Xi Annual Meeting and International Research Conference, Madison, WI. November 14-17.

n – **Sorbonne M** and J Clark. 2022. DNA barcoding of parasites associated with Great Salt Lake brine shrimp. International Forum on Research Excellence—sponsored by Sigma Xi, Alexandria, VA. November 3-6.

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		COMPETITIVE GRANTS	PEER-REVIEWED OUTPUT	COMPETITIVE AWARDS	
Megan Faulkner	5/21 – 12/23		<i>o</i>		

o – **Faulkner, M** and J Clark. 2023. Assessment of Spider Diversity in the Great Salt Lake Ecosystem by DNA barcoding. International Forum on Research Excellence—sponsored by Sigma Xi, Long Beach, CA. November 2-5.