

Dept. of Anthropology
Idaho State University
921 S. 8th Avenue, Stop 8005
Pocatello, ID 83209-8005

getzsara@isu.edu
phone: (208) 282-2745
fax: (208) 282-4944
saramgetz.com

EDUCATION

2017	PhD	Anthropology	Penn State University
2011	MS	Biological & Forensic Anthropology	Mercyhurst University
2008	BS	Biological Anthropology	Penn State University: Schreyer Honors College

PROFESSIONAL HISTORY

2019+	Certified Instructor	Idaho Peace Officer Standards and Training (POST)
2018+	Assistant Professor	Idaho State University Dept. of Anthropology
2018+	Consulting Forensic Anthropologist	Ada County Coroner's Office
2017 – 2018	Visiting Assistant Professor	Mercyhurst Dept. of Applied Forensic Sciences
2017	Postdoctoral Scholar	Penn State Dept. of Anthropology
2014 – 2016	Research Assistant	Penn State Dept. of Anthropology
2012 – 2014	Online Course Instructor	Penn State Dept. of Anthropology
2011 – 2012	Graduate Teaching Assistant	Penn State Dept. of Anthropology
2009 – 2011	Graduate Teaching Assistant	Mercyhurst Dept. of Applied Forensic Sciences

SHORT-TERM PROFESSIONAL POSITIONS

2019	Archaeological Field Technician	Western Carolina University (Germany Field Project)
2014	Visiting Scientist	New York City OCME Forensic Anthropology Unit
2010	Museum Aide	Smithsonian NMNH & MSC
2007	Undergraduate Intern	C.A. Pound Human Identification Lab (UF)

PEER-REVIEWED PUBLICATIONS

2018. Milner GR, Boldsen JL, Ousley SD, **Getz SM**, Weise S, Tarp P, et al. Selective mortality in middle-aged American women with Diffuse Idiopathic Skeletal Hyperostosis (DISH). *PLoS ONE* 13(8): e0202283. <https://doi.org/10.1371/journal.pone.0202283>

2016. Milner GR, and **SM Getz**. "Skeletal Age Estimation." In *Oxford Bibliographies in Anthropology*. John Jackson Jr., editor. New York: Oxford University Press. [<http://www.oxfordbibliographies.com>]

PEER-REVIEWED PUBLICATIONS (IN REVIEW)

In Review. Milner GR, Boldsen JL, Ousley SD, **Getz SM**, Weise S, & Tarp P. Great Expectations: The Rise, Fall, and Resurrection of Adult Skeletal Age Estimation. In: J Kim & B Algee-Hewitt (Eds). *Remodeling Forensic Skeletal Age*.

In Review. **Getz, SM**. The Use of Transition Analysis for Adult Age Estimation. *WIREs Forensic Science*.

EDITOR REVIEWED PUBLICATIONS

In Press. Messer, DL, and **SM Getz**. The Effect of Sex Misclassification on the Skeletal Biological Profile. In: A Kales (Ed). *Sex Estimation of the Human Skeleton: History, Methods, and Emerging Techniques*.

2012. Dirkmaat DC, GO Olsen, AR Kiales, and **SM Getz**. The Role of Forensic Anthropology in the Recovery and Interpretation of the Fatal-Fire Victim. In: Dennis C. Dirkmaat, editor. *A Companion to Forensic Anthropology*. Malden, MA: Wiley-Blackwell p. 113-135.

CONFERENCE POSTERS & PRESENTATIONS (Published Abstracts)

2020. Simmons W, Dudgeon J, and **Getz, SM**. Using Cementochronology to Estimate Age-at-Death with Pathological Dentition. Poster. Society for American Archaeology.
2020. **Getz SM**, Petersen C, and Watson T. Identification of Bone Using An Alternate Light Source In Terrestrial Pedestrian Searches. Poster. American Academy of Forensic Sciences.
2019. **Getz SM** and GR Milner. Mortality or Methods: What Do Skeletal Age Estimates Really Tell Us About Past Populations? Poster. *American Journal of Physical Anthropology Supplement* 168 (S68):84.
2019. Milner GR, JL Boldsen, SD Ousley, **SM Getz**, S Weise, and P Tarp. Adult Skeletal Age Estimation: Transition Analysis Using the Entire Skeleton. Full-Day Workshop. *Proceedings of the American Academy of Forensic Sciences* 25: 40.
2019. **Getz SM**. The Use and Misuse of Transition Analysis: Assessment of the Boldsen et al. (2002) Age-at-Death Estimation Method. Podium Presentation. *Proceedings of the American Academy of Forensic Sciences* 25: 71.
2019. Ousley, SD, GR Milner, JL Boldsen, **SM Getz**, S Weise, and P Tarp. A New Method for Adult Skeletal Age Estimation Using Transition Analysis: TA3. Podium Presentation. *Proceedings of the American Academy of Forensic Sciences* 25: 72.
2017. **Getz SM**, GR Milner, and JL Boldsen. Revised Transition Analysis: Validation on a Historical Sample and the First Archaeological Application of the New Procedure. *American Journal of Physical Anthropology Supplement* 162 (S64): 193.
2017. **Getz SM**, GR Milner, and JL Boldsen. Rethinking Adult Skeletal Age Estimation: An Expanded Approach to Transition Analysis Using Binary Traits. *Proceedings of the American Academy of Forensic Sciences* 23: 192.
2016. Milner GR, JL Boldsen, SD Ousley, **SM Getz**, S Weise, and P Tarp. Estimating Age from Adult Skeletons: New Directions in Transition Analysis Using a Wide Array of Traits. *American Journal of Physical Anthropology Supplement* 159 (S62): 231.
2016. Milner GR, JL Boldsen, SD Ousley, S Weise, **SM Getz**, and P Tarp. Improved Adult Age Estimation Using New Skeletal Traits and Transition Analysis. *Proceedings of the American Academy of Forensic Sciences* 22: 57.
2015. **Getz SM**, GR Milner, and JL Boldsen. Skeletal age estimation for adults: Long-standing problems, recent developments, and a solution. *American Journal of Physical Anthropology Supplement* 156 (S60):144.
2011. **Getz SM**. Investigation and Critique of the DiGangi et al. (2009) First Rib Age-at-Death Estimation Method. *Proceedings of the American Academy of Forensic Sciences* 17: 350.

CONFERENCE POSTERS, PRESENTATIONS, & WORKSHOPS (Abstracts Not Published)

2019. Watson T, **Getz SM**, Petersen C. Investigation of Alternate Light Sources and Bone Fluorescence: Potential Applications for the Recovery of Human Remains. Poster. Idaho Conference on Undergraduate Research (ICUR). July 31. Boise, ID.

2019. **Getz SM**. The Skeleton Inside You: How Studying Human Variation is Changing the Way We Think About Aging. Idaho Conference on Undergraduate Research (ICUR). Lightening Research Talk. July 30. Boise, ID.
2019. Milner GR, JL Boldsen, SD Ousley, **SM Getz**, S Weise, P Tarp, and J Gampe. An Integrated Approach to Adult Skeletal Age Estimation and Paleodemographic Reconstruction: Going From Bones to Individual Ages and Mortality Patterns. Full-day Workshop. Annual Meeting of the American Association of Physical Anthropologists. Cleveland, OH.
2018. Milner GR, JL Boldsen, SD Ousley, **SM Getz**, S Weise, and P Tarp. Adult Skeletal Age Estimation: Dismal Results, Ensuing Misconceptions, but a Promising Future. New Methods in Skeletal Age Estimation for Diverse Populations. Presentation. August 7. Stanford University. Stanford, CA.
2018. Michael, A, C Petersen, H Dawson, S Putnam, J Effingham, **SM Getz**, SH Blatt. Got Bone? Forensic Anthropology Casework, Research, and Service at Idaho State University. Podium Presentation. Northwest Association of Forensic Scientists Annual Meeting. Boise, ID.
2017. Milner GR, JL Boldsen, SD Ousley, **SM Getz**, S Weise, and P Tarp. Adult Skeletal Age Estimation: Tackling Long-Standing Problems With A New Approach. NIJ Forensic Science R&D Symposium: American Academy of Forensic Sciences, Presentation. February 14. New Orleans, LA.
2015. **Getz SM**, GR Milner, and JL Boldsen. Deconstructing Expert Judgment: From few to many traits: The tortuous path to improved adult skeletal age-at-death estimation. 30th Annual Penn State Graduate Research Exhibition. State College, PA. March 2015.
2014. **Getz SM**, GR Milner, and JL Boldsen. Deconstructing Expert Judgment: Experience-Based Age Estimates and Their Role in Improving Transition Analysis (ADBOU). Society for Human Biology Symposium on Age Estimation. Oxford, UK. December 2014.

GRANTS & AWARDS

External Research Grants

2015	\$23950	National Science Foundation Doctoral Dissertation Research Improvement Grant #455810. "Doctoral Dissertation Research: Improved Skeletal Age-at-Death Estimation and Its Impact on Archaeological Analyses." (Advisor, Co-PI: GR Milner)
------	---------	--

Internal Research Grants

2019	\$4784	Idaho State University CAL Faculty Research Grant
2013	\$7412	Penn State Anth. Dept. Post-Comprehensive Hill Fellowship Grant
2012	\$1053	Penn State Anth. Dept. Pre-Comprehensive Hill Fellowship Grant
2009	\$400	Mercyhurst College Faculty-Student Research Grant
2008	\$350	Schreyer Honors College Undergraduate Thesis Research Grant

Other Grants & Awards

2019	---	Idaho State University Faculty Course Release (Fall Semester)
	\$1000	Idaho State University Faculty Travel Award for AAFS
2018	\$1000	Idaho State University Faculty Travel Award for AAFS
	\$1756	Mercyhurst Faculty Conference Travel Award for AAPA
	\$1706	Mercyhurst Faculty Conference Travel Award for AAFS
2017	\$400	Penn State Anth. Dept. Conference Travel Award
2015	\$400	Penn State Anth. Dept. Conference Travel Award
2014	\$600	Penn State Anth. Dept. International Conference Travel Grant,

2011	---	Society for Human Biology Symposium on Age Estimation
2007	\$600	Mercyhurst College Sister Eustace Taylor Graduate Student Award
	\$560	Penn State College of the Liberal Arts Enrichment Award
	\$1000	Penn State Dept. of Anthropology Undergraduate Internship Funding
		Schreyer Honors College Summer Internship Grant

CURRENT RESEARCH STUDENT SUPERVISION

Idaho State University

Masters Thesis – Primary Advisor. Kayla Fuhrman. Project undetermined – general topic: biological profile methods using 3D images. Anticipated Graduation: Spring 2021.

Masters Thesis – Primary Advisor. Wilson Simmons. “Using Cementochronology to Estimate Age-at-Death with Pathological Dentition”. Anticipated Graduation: Spring 2020.

Undergraduate Career Path Internship. Madeleine Love. Forensic Anthropology Experience: Responsibilities: Organizing and conducting ALS scene processing research. Assist with forensic cases, developing professional short courses, and develop their own research project (if desired).

Research PI. Christian Peterson (Lecturer, Co-PI), Tanyin Watson (Undergrad Research Assistant). 15-25 student volunteers. “The Use of Alternate Light Sources In Forensic Anthropology: Testing & Development of Field Protocols for the Search and Recovery of Human Remains.” Anticipated Completion: Spring 2020.

Other Universities

Masters Thesis – External Committee Member (Subject Matter Expert). Jacqueline Galimany Skupham. California State University, Chico - Dept. of Anthropology. The “Informative Value of the Pubic Symphysis for Age-Estimation as Compared to Low-Information Traits in a Chilean Skeletal Sample”. Awarded AAFS Field Grant (\$1,500). Anticipated Graduation: Spring 2020.

Undergraduate Senior Design Team Co-Sponsor. Penn State Behrend - Dept. of Computer Science and Software Engineering. “Interactive Website for Visualizing 3D Anatomical Models” Primary Advisor: Dr. Patrick Byrnes. Student Team: Shannon Quail, Josh Mathews, and Sean John.

INVITED LECTURES & WORKSHOPS

2020 Weekend Workshop: Forensic Osteology, Co-Instructor (June 6-7, Erie, PA)

3-Day Workshop Series: Day 1: From Todd to Transition Analysis – 100 Years of Methods and Theory for Adult Age Estimation; Day 2: Transition Analysis (Boldson et al. 2002) – Combining Components for the Cranial Sutures, Pubic Symphysis, and Auricular Surface; Day 3: TA3 – A New Approach Using Features Throughout the Skeleton. Defense POW/MIA Accounting Agency. (Joint Base Pearl Harbor-Hickam, HI, Spring Dates TBD)

2019 Lecture: Forensic Science: Recovery and Analysis of Human Remains at the ISU Forensic Anthropology Laboratory. New Knowledge Adventures Lifelong Learning. (1.5 hrs., Nov. 13, Pocatello, ID – Enrollment 100)

Workshop: Identification of Human Versus Non-Human Bone, Kootenai Co. Coroner’s Office Babies, Bones, & Bodies Conference for Law Enforcement (4 hrs, Coeur d’Alene, ID, Sept. 12)
Lecture: TA3 Method. Core Principles and Practices in Forensic Anthropology: All- Star Tour, Vol. 1 (2.75 hrs., June 5, Erie, PA)

Full-Week Workshop: Forensic Osteology, Co-Instructor (May 27-31, Erie, PA)

Full-Day Workshop: A New Approach to Adult Age Estimation: TA3 (May 17-18, Cal State University Chico)

- 2018 Lecture: Recovery and Analysis of Remains in Eastern Idaho. Idaho State Association of County Coroners (Sept. 27, Boise, ID)

Full-day Workshop: Transition Analysis (Boldsen et al. 2002) Age-at-Death Estimation Method (7 hrs., June 23, Erie, PA)

5-Day Short Course: Skeletal Biological Profile– Co-Instructor (June 18-22, Erie, PA)

5-Day Short Course: Human & Comparative Osteology – Co-Instructor (June 11-15, Erie, PA)

- 2017 Lecture and Lab: Transition Analysis & Future Directions in Adult Age Estimation. Mercyhurst Forensic Anthropology Short Course in Human Identification (June 22)

Lectures and Labs: Human Osteology & Age Estimation, Kazakhstani Forensic Investigators Forensic Anthropology Workshop (May 15-16, Gettysburg, PA)

SHORT COURSES ORGANIZED

- 2020 Short Course in Planning and Executing Searching for Human Remains. Pocatello, ID; Max. enrollment: 16. Certified for 12 hours AMBDI CE and Idaho POST credit. (April 10-11)

- 2019 Short Course in the Identification of Human Versus Non-Human Bone (Aug. 10, Pocatello, ID; 18 Participants, Certified for 7 hours ABMDI Continuing Education and Idaho POST credit)

CONTINUING EDUCATION, WORKSHOPS, & SHORT COURSES (Attendee)

- 2020 AAFS Full-day Workshop: Successfully Navigating the Judicial System as an Expert Witness
AAFS Half-day Workshop: Statistical Learning Algorithms for Forensic Scientists
AAFS Breakfast Seminar: Ethno-Cultural and Religious Considerations in the Management of the Dead

- 2019 NSF Broader Impacts Workshop at ISU (Duke Science in Society, 4 hrs)
ISU Indigenous Peoples Day Workshop: Ethical Research with Indigenous Communities (1 hr)
ISU Indigenous Peoples Day Workshop: Indigenizing the College Experience (1 hr)
AAFS Full-day Workshop: Interpreting Blunt Force Injuries in Bone: A Hands-On Approach
AAFS Breakfast Seminar: Dining With DNA: Extracting Usable Profiles From Burned Bone

- 2018 Mercyhurst Forensic Archaeology Short Course (June 4-8, Erie, PA)
Mercyhurst Short Course in Trauma Analysis (Analysis of Bone Trauma, June 26-30)
AAFS Full-day Workshop: Macromorphoscopic (MMS) Traits: Data Collection and Analysis
AAFS Full-day Workshop: Some Like It Hot: A Forensic Analysis of Burnt Remains

- 2013 New Directions in Bioarchaeological Heritage Short Course (Budapest, HU)

- 2011 Syracuse Dialogues in Forensic Science: Beyond the NAS Report
Syracuse Dialogues in Forensic Science: PMI Problems
AAFS Workshop: FEPAC On-Site Evaluator Training Session (Feb. 22, Chicago, IL)

- 2010 ASCLD/LAB International Lab Accreditation Preparation Course (San Diego, CA)

- 2009 Death Scene Archaeology: Field Methods in the Location, Recovery, and Interpretation of Human Remains from Outdoor Contexts (Erie, PA)
Lab Methods in the Identification of Human Skeletal Remains (Erie, PA)

PROFESSIONAL ORGANIZATION MEMBERSHIP

American Academy of Forensic Sciences (AAFS)

2020+ Associate Member
2017-2019 Trainee Affiliate
2011-2016 Student Affiliate

American Association of Physical (Biological) Anthropologists (AAPA)

2019+ Regular Member
2017-2018 Postdoc Member
2010-2016 American Association of Physical Anthropologists (AAPA) – Student Member

Other

2014-2016 American Anthropological Association (AAA) – Student Member

TEACHING EXPERIENCE & TRAINING

Courses Developed for ISU

ANTH 44##/55## [WEB] Teaching Anthropology: Fundamentals of Course Development & Delivery
ANTH 4499/5599 Applied Forensic Osteology
ANTH 2299 [WEB] Introduction to Forensic Anthropology

Instructor of Record

2020	ANTH 6650	Masters Thesis Supervision
	ANTH 6641	Grad Research Project
	ANTH 4492	Senior Seminar
	ANTH 4432/5532	Human Osteology [undergrad / grad]
	ANTH 2299	Intro to Forensic Anthropology [online]
2019	ANTH 4499/5599	Special Topics: Applied Forensic Osteology
	ANTH 4482/5582	Forensic Anthropology Laboratory Experience
	ANTH 4432/5532	Human Osteology [undergrad / grad]
	ANTH 2299	Intro to Forensic Anthropology [online, 2 semesters]
	ANTH 1100	Discovery Anthropology [undergrad / high school]
2018	ANTH 4438/5538	Human Growth & Development [undergrad/graduate]
	ANTH 4434/5534	Forensic Anthropology [undergrad/graduate]
	ANTH 670	Master's Thesis Supervision
	ANTH 530/531	Human Skeletal Biological Profile with Lab [graduate]
	ANTH 333/334	Human Skeletal Biology with Lab
	ANTH 242	Forensic Anthropology
2017	ANTH 612	Case Report Writing [graduate]
	ANTH 668	Directed Thesis Prep [graduate]
	ANTH 520/521	Fragmentary Human Osteology with Lab [graduate]
	ANTH 326/327	Human Osteology with Lab
2012-14	ANTH 011	Introductory North American Archaeology [Online - 8 semesters]

Graduate Teaching Assistant

2012-13	ANTH 411	Skeletal Forensic Anthropology with Lab [2 semesters]
2011	ANTH 427W ANTH 011	Forensic Archaeology with Lab Introductory North American Archaeology [Online]
2010	FRSC 410 FRSC 340	Death Investigation Physical Evidence and the Law
2009	FRSC 242/243 FRSC 320	Criminalistics I & Criminalistics Lab Indoor Crime Scene Investigation
2007	ANTH 411 CLJ 012	Forensic Anthropology with Lab Criminology

Workshop & Short Courses – Teaching Assistant/Lab Instructor

2016	Advances in Skeletal Analyses: Age & Sex Estimation Workshop (June 3, Lisbon, PT) Advances in Skeletal Analyses Workshop (Chiang Mai, TH)	
2015	Transition Analysis Workshop (University of Tennessee, Knoxville, TN)	
2013	Lab Methods in the Identification of Human Skeletal Remains (Erie, PA)	
2011	Lab Methods in the Identification of Human Skeletal Remains (Erie, PA) Analysis of Bone Trauma and Pseudo-Trauma in Suspected Violent Deaths (Erie, PA) Death Scene Archaeology: Field Methods in the Location, Recovery, and Interpretation of Human Remains from Outdoor Contexts (Erie, PA)	
2010	Pennsylvania State Coroner's Basic Education Course (Hershey, PA)	
2009	Pennsylvania State Coroner's Basic Education Course (Hershey, PA)	

Instructor Training & Certificates

2019	RESPOND Training for suicide prevention and student mental health (ISU Counseling and Testing Service, 8 hrs)	
2017	20-Minute Mentor Teaching & Learning Workshop Series [6 sessions] (Mercyhurst University)	
2016	Why Students Don't Read and How to Get Them To Do It [workshop]	
2014	Online Course Design [classroom course]	
2013	Penn State Graduate School Teaching Certificate Penn State World Campus Faculty Development Certificate in Online Teaching	
2012	Course in College Teaching [classroom course] Online Presence [online course] Motivating Student Learning [workshop] The Summer Squeeze: Effectively Teaching a Full Course in Just Six Weeks [workshop]	
2011	Effective Online Teaching [online course] Item Analysis: Improving Multiple Choice Tests [workshop]	

ACADEMIC & PROFESSIONAL SERVICE

2019	GFR	ISU Physician Assistant Master's Program – Capstone Project
	Committee Member	Dept. of Anthropology Graduate Student Handbook Committee
	Committee Member	Tenure-Track Sociocultural Faculty Search Committee
	Dept. Representative	ISU EHS Hazardous Waste Management Plan Reviewer
	Mentor	Penn State Schreyer Honors College Alumni Mentor
2018	Dept. Representative	Mercyhurst University Graduate Council
2017+	Interviewer	Schreyer Honors College Alumni Admissions Interviewer
2014	Reviewer/Mentor	AAPA Undergraduate Research Symposium
2014	Judge	Penn State Undergraduate Research Exhibition
2014-2017	Mentor	Schreyer Honors College Alumni Mentoring Program
2012-2017	Mentor	Penn State Liberal Arts College Alumni Mentor Program
2012 – 2013	Interviewer	Schreyer Honors College Admissions Interview Pilot Program
2012 – 2013	Vice-President	Anthropology Graduate Student Association
2011 – 2012	Student Representative	Penn State Anth Dept. Seminars and Colloquia Committee

Book & Journal Reviewer

2019+	Reviewer	International Journal of Osteoarchaeology
2017+	Reviewer	Forensic Anthropology (Journal)
2017	Reviewer	Elsevier (Book Proposal)
2012+	Reviewer	American Journal of Physical Anthropology (AJPA)

Community Outreach

2020	New Horizon High School (Pocatello, ID) - Careers in Forensic Science (Feb. 12)	
	Century High School (Pocatello, ID) – Intro to Forensic Science / Forensic Anth (Jan. 10)	
	Pocatello High School – Bones: Fact or Fiction (2 classes, Jan. 8)	
2019	Century High School (Pocatello, ID) – Forensic Anthropology Lab (Dec. 6)	
	Nathanael Greene Elementary (Pawtucket, RI, Skype) – Forensic Anthropology (Oct. 24)	
	New Horizon High School (Pocatello, ID) - Careers in Forensic Science (Oct. 24)	
	Chilliwack Middle School (Chilliwack, BC, Skype) – The Stories Bones Tell (2 classes, Oct. 23)	
	Rigby High School (Rigby, ID) – Career Day: Careers in Forensic Science (Oct. 16)	
	Chilliwack Middle School (Chilliwack, BC, Skype) – The Stories Bones Tell (2 classes, Oct. 1)	
	Century High School (Pocatello, ID) – Careers in Forensic Science (Sept. 4)	
	Rigby High School (Rigby, ID) – Hands-On Introduction to Forensic Anthropology (May 10)	
	Highland High School (Pocatello, ID) – Careers in the Forensic Sciences (2 classes, Feb. 6)	
	Century High School (Pocatello, ID) – Introduction to Forensic Anthropology (2 classes, Jan. 23)	
	Pocatello High School Class Visit to Campus – The Biological Anthropology Laboratories (Jan 15)	
	Pocatello High School – Bones: Fact or Fiction (Jan. 11)	
2018	Bliss High School (Bliss, ID) – What is forensics? Careers in the Forensic Sciences (Nov. 20)	
	LDS Fireside Recruiting Event (Pocatello, ID) – Majors in Anthropology (Nov. 15)	
	Red Hawk Elementary (Erie, CO) – Skype a Scientist: The Stories Bones Tell (Nov. 5)	
	Rigby High School Career Day – Careers in Anthropology – Presenter (5 classes, Oct. 10)	
	Pocatello High School – Bones: Fact or Fiction (2 classes, Sept. 26)	
	Pocatello High School – What is forensics? Careers in the Forensic Sciences (Sept. 12)	
2017	FIRST LEGO League Robotics Competition – Judge, Grades 6-8	
	Tom Ridge Environmental Center Regional Science Consortium, 3rd Annual College and Career Fair – Lecturer, Grades 11-12	
	Joanna Connell Elementary Career Fair – Career Booth, Grades 3-5	
	Girard High School – A Career in Forensic Anthropology – Guest Speaker, Grade 11	
	Pennsylvania Junior Academy of Science State Competition – Judge	
2014	Pennsylvania Junior Science & Humanities Symposium – Judge	