**Curriculum Vitae**

Jordan Roberts Nelson, PhD, MSPH

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**EDUCATION**

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| 2020 | **Ph.D. in Environmental Health Science**, University of Alabama at Birmingham, Birmingham, AL |
| 2016 | **M.S. of Public Health in Environmental Health and Toxicology**, University of Alabama atBirmingham, Birmingham, AL |
| 2016 | **Certificate in Global Health**, University of Alabama at Birmingham, Birmingham, AL |
| 2013 | **B.Sc. in Animal Science**, Auburn University, Auburn, AL |

**PROFESSIONAL APPOINTMENTS**

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| 2020 | Assistant Professor, Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham AL |
| 2017-2020 | NIOSH ERC Graduate Fellow, Deep South Center for Occupational Health and Safety, Birmingham, AL |
| 2016-2020 | Department of Environmental Health Fellow, University of Alabama at Birmingham, Birmingham, AL |
| 2015-2018 | Graduate Teaching Assistant, University of Alabama at Birmingham |
| 2015-2016 | Student Research Assistant, University of Alabama at Birmingham, Birmingham, AL |
| 2012-2013 | Student Research Assistant, Auburn University, Auburn, AL |

**TEACHING EXPERIENCE**

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| 1. **PUH 333 – Food, Water, and Air - Service Learning,** 46 students(Instructor, UAB)
 | Undergraduate, hybrid | Spring 2021 |
| 1. **ENH 650 – Environmental & Occupational Toxicology and Disease,** 6 students(Instructor, UAB)
 | Graduate, hybrid | Spring 2021 |
| 1. **PUH 422 – Fundamentals of Toxicology,** 35 students(Instructor, UAB)
 | Undergraduate, remote | Fall 2020 |
| 1. **ENH 600Q(QL), ENH600 (NQ) – Fundamentals of Environmental Health Science,** 66 students(Instructor, UAB)
 | Graduate, cross-listed | Summer 2020 |
| 1. **ENH 660 – Fundamentals of Air and Water Pollution** (Tutor, INTO UAB)
 | Graduate, on-campus | Spring 2019 |
| 1. **ENH612 - Assessing and Managing Environmental Risks,** 11, 22 students (Instructor, UAB)
 | Graduate, online | Fall 2017, 2018 |
| 1. **PUH 321- Fundamentals of Toxicology**

(Teaching Assistant, UAB) | Undergraduate, on-campus | Spring 2016 |
| 1. **PUH220 - Environmental Factors in Public Health**

(Teaching Assistant, UAB) | Undergraduate, on-campus | Fall 2015 |
| 1. **ENH300 - Toxicology and Environmental Health**

(Teaching Assistant, UAB) | Undergraduate, on-campus | Fall 2015 |

**PROFESSIONAL MEMBERSHIPS**

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| --- | --- |
| 2018 | Workplace Health Without Boarders |
| 2018 | International Society of Respiratory Protection |
| 2017 | Society of Environmental Toxicology and Chemistry, Southeastern Chapter |
| 2015 | Society of Toxicology, Southeastern Chapter |
| 2014 | American Industrial Hygiene Association, Alabama Chapter |
| 2014 | American Society of Safety Engineers, Alabama Chapter |

**UNIVERSITY SERVICE**

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| 2020 | Department of Environmental Health Sciences Graduate Programs Curriculum Committee, UAB |
| 2020 | Department of Environmental Health Sciences MSPH in Environmental and Occupational Science Admission Committee, UAB |
| 2020 | Department of Environmental Health Sciences MSPH in Industrial Hygiene Admission Committee, UAB |
| 2019 | Department of Environmental Health Student Senator, UAB School of Public Health |
| 2017-2018 | Vice President, ASSE UAB Student Chapter |
| 2017-2018 | Vice President, AIHA UAB Student Chapter |

**NATIONAL SERVICE**

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| 2018 | Reviewer, Scientific Reports |
| 2018 | Reviewer, Heliyon |
| 2020 | Reviewer, Exposure and Health  |

**PROFESSIONAL CERTIFICATIONS**

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| 2017 | National Institute of Health Spirometry Certified |
| 2017 | ANSI Z-87.1 Safety Eyewear Trained |
| 2016 | Qualitative Respiratory Fit Test Certified |
| 2014 | Hazardous Waste Worker Certified (HAZWHOPER 30 hour) |

**ACADEMIC HONORS**

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| 2019 | George & Florence Clayton Scholarship, AIHF |
| 2019 | Best in Show Student Poster Bronze, AIHce |
| 2018 | Best in Show Student Poster Gold Award, AIHce |
| 2018 | Carol Rice Best Student Poster in Occupational and Environmental Epidemiology, AIHce |
| 2018 | Toxicology Committee Best Student Poster Award, AIHce |
| 2018 | Students and Early Career Professional Committee Best Student Poster Award, AIHce |
| 2018 | Fred S. Venable/ Deep South Local Section Scholarship Award, AIHF |
| 2018 | Steven F. Kane Memorial Scholarship, ASSE |
| 2018 | North America 39th Annual Meeting Student Travel Award, SETAC |
| 2017 | Student Presentation Second Place Award, Southeastern Environmental Conference  |
| 2016-2019 | University of Alabama at Birmingham Department of Environmental Health Science Scholarship |
| 2016 | University of Alabama at Birmingham Graduate Student Research Days 2016 Award  |
| 2016 | National Conference Travel Grant, Society of Toxicology |
| 2015 | University of Alabama at Birmingham Graduate Student Research Days 2015 Award |
| 2014 | H. Kenneth Dillon Endowed Scholarship, University of Alabama at Birmingham |

**RESEARCH SUPPORT**

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| 1. **NIOSH, Pilot/Small Project Research Training Grant**, “Smoke Inhalation, Lung Function, and Heart Rate in Wildland Firefighters”. Recipient: Nelson, Jordan (PI), Role: Primary Investigator
 | 06/28/17 – 06/30/19 |
| 1. **T32HL105349,** “Office Thermal Environmental Study”, Recipient:Allison, David (PI),

Role: Student Research Assistant | 6/01/15 – 10/08/15 |
| 1. **ILSI, N.A., Future Leader Award**, “Nutrition-toxicity interactions in *Daphnia pulex*, developing an alternative model organism for early life exposures. Subproject: Influence of Maternal Age on the Effects of Organic Selenium in *Daphnia pulex”*. Recipient: Gohlke, Julia (PI), Role: Student Research Assistant
 | 04/01/13 – 03/30/15 |
| 1. **James S. McDonnell Foundation, 220020353**, “Evolution of Molecular Networks and Complex Traits. Subproject: Genetic Response of Dietary Restriction Extending Lifespan in a Clone of *Daphnia pulex”.* Recipient: Schwartz, Tonia (PI), Role: Student Research Assistant
 | 01/01/13 – 06/01/15 |

**PEER-REVIEWED PUBLICATIONS**

1. **Nelson, Jordan**, Pavicevic, Zoran, Chalbot, Marie-Cecile G., Kavouras, Ilias G. (2020)*.* Characterization of exhaled breath condensate (EBC) non-exchangeable hydrogen functional types and lung function of wildland firefighters. *Journal of Breath Research.*
2. **Nelson, Jordan,** Chalbot, Marie-Cecile, Tsiodra, Irini, Migalopoulos, Nikolaos, Kavouras, Ilias. (2020). Physiochemical characterization of personal exposures to smoke aerosol and PAHs of wildland firefighters in prescribed fires. *Exposure and Health.* https://doi.org/10.1007/s12403-020-00366-5
3. Zhao, Jiayuan, **Nelson, Jordan,** Dada, Oluwabunmi, Pyrgiotakis, Georgios, Kavouras, Ilias, Demokritou, Philip. (2018). Assessing electronic cigarette emissions: linking physico-chemical properties to product brand, e-liquid flavoring additives, operational voltage and use puffing patterns. *Inhalation Toxicology,* 30(2):78-88. DOI: 10.1080/08958378.2018.1450462.
4. **Nelson, Jordan,** Schwartz, Tonia, Gohlke, Julia. (2018). Influence of maternal age on the effects of seleno-L-methionine in the model organism *Daphnia pulex* under standard and heat stress conditions. *Reproductive Toxicology.* 75: 1-9. DOI: [10.1016/j.reprotox.2017.11.001](https://doi.org/10.1016/j.reprotox.2017.11.001).

***Publications in-preparation:***

1. **Nelson, Jordan**, Chalbot, Marie-Cecile G., Kavouras, Ilias G. (*in-preparation).* Cross-shift blood pressure, augmentation index, and heart rate changes in wildland firefighters: A feasibility study.

**CONTRIBUTIONS TO SCIENCE (posters and presentations)**

1. **Nelson, J. R.,** Chalbot, M. C., Kavouras, I. G. “Cardiovascular Health Response to Biomass Smoke Particulate Matter Exposure Among Wildland Firefighters”. SETAC International Conference Toronto, ON, Canada. 7 November 2019. Podium Presentation.
2. **Nelson, J. R.,** Chalbot, M. C., Kavouras, I. G. “Biomass Smoke Exposure and the Cardiovascular Health Effects in Wildland Firefighters”. AIHce National Conference Minneapolis, MN. 21 May 2019. Podium and Poster Presentation. (***Best in Show Student Poster Bronze, Incident Preparedness and Response Working Group Best Student Poster***).
3. **Nelson, J. R.,** Chalbot, M. C., Kavouras, I. G. “Biomass Smoke Exposure and the Pulmonary Health Effects in Wildland Firefighters”. AIHce National Conference Philadelphia, PA. 22 May 2018. Podium and Poster Presentation. (***Best in Show Student Poster Gold, The Carol Rice Best Student Poster in Occupational and Environmental Epidemiology, Toxicology Committee Best Student Poster and Students and Early Career Professional Committee Best Student Poster***).
4. **Nelson, J. R.,** Chalbot, M. C., Kavouras, I. G. “Personal Smoke Exposure and Acute Lung Inflammation Metabolomics of Exhaled Breath Condensate in Firefighters by NMR-spectroscopy”. SETAC National Conference Minneapolis, MN. 15 Nov. 2017. Podium Presentation.
5. **Nelson, J. R.**, Chalbot, M. C., Kavouras, I. G. “Biomass Smoke Exposure and the Potential Pulmonary Health Effects in Wildland Firefighters”. Southeastern Environmental Conference, Perdido Beach, Alabama. 30 Oct. 2017. Poster Presentation.
6. **Roberts, J.** “Influence of Maternal Age on the Effects of Organic Selenium in the Animal Model *Daphnia pulex*.” Society of Toxicology National Conference. New Orleans, LA. 15 March 2016. Alternative Animal Models. Poster Presentation.
7. **Roberts, J.** “Examination of Selenium Compounds on the Life History Traits of *Daphnia pulex”.* University of Alabama Graduate Student Association. University of Alabama at Birmingham, Birmingham, AL. 16 March 2015. Graduate Student Research Day. Oral Presentation.
8. **Roberts, J.**; Hall, J. “Impact of Coal Ash on Environmental Health”. Black Belt Citizens Fighting for Health & Justice. City Hall, Uniontown, AL. 23 April 2015. Uniontown Community Meeting. Oral Presentation.