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| +39 350 9588530 | Torino, Italy  | david.atuahene@unito.it |<https://it.linkedin.com/in/davidatuahene>  |
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| David AtuahenePhD candidate |
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| Objective |  | Eager to elevate my career as a Research Scientist specializing in Nutrition, I am dedicated to utilizing my deep expertise in nutritional interventions and genetic analysis to innovate health and productivity solutions for both animals and humans. I aim to deliver groundbreaking research that not only improves human and animal welfare but also promotes sustainable agricultural practices. One Health enthusiast! |
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| Education |  | 2021- Present | University of Torino (UNITO)PhD in Veterinary Sciences for Animal Health and Food SafetyDissertation: “Improving Gastrointestinal Health and Wellbeing in Dogs under Breeding Conditions: A Study of the Efficacy of a Natural Dietary Supplement”. |
|  |  | 2019- 2021 | Autonomous University of Madrid (UAM)MSc. In Food Systems and TechnologyGrade: 9.17 on 10. |
|  |  | 2014- 2018 | Kwame Nkrumah University of Science and TechnologyBSc. Agricultural ScienceGrade: Second Class Upper Honors.Departmental Best Student Award 2018. |
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| Honors and awards |  |  |
|  |  | November 2021 | Doctoral (Ph.D.) Full Research Scholarship, Department of Veterinary Sciences for Animal Health and Food Safety, University of Turin, Italy. |
|  |  | October 2021 | Excellent Entrepreneurial Award, European Institute of Innovation & Technology (EIT-FOOD), Europe. |
|  |  | September 2019 | European Institute of Innovation and Technology (EIT-FOOD), Masters Full Research Scholarship, Europe. |
|  |  | June 2018 | **Best Student Award, Department of Agricultural Mechanization, KNUST, Ghana.** |
|  |  | June 2018 | Most Contributing Student Executive Award, IAAS KNUST, Ghana. |

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| Research experience |  |  |
|  |  | 2021-2024 | Dissertation University of Turin, ItalyAdvisor: Prof. Giorgia MeineriMain Project: “Improving Gastrointestinal Health and Wellbeing in canine species under kernel Conditions: A Study of the Efficacy of a Natural Dietary Supplement” |
|  |  | 2023- 2024  | Research mission University of Wisconsin-Madison, USAPosition: Honorary Research AssistantPI: Prof. Garret Suen Lab: Suen Laboratories |
|  |  | 2023- 2023 (2 months) | Research mission Dept. Agrifood Environmental and Animal Science, UNIUD, Italy. |
|  |  | 2022- 2022 (4 Months) | PI: Prof. Bruno StefanonResearch mission Dept. of Drug Science and Technology, UNITO, Italy.PI: Prof. Alessandro Barge |
|  |  | 2019- 2021 | Thesis IMDEA Research Institute of Food and Health SciencesPosition**:** InternProject: “Genetic design of 4Brain: A personalized nutrigenetic report” |

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| **Teaching experience** |  | 2023- 2024 | University of Wisconsin-Madison, USA Honorary Associate Dept. of MicrobiologyMentored undergraduate and master's students in laboratory techniques, fostering a collaborative and innovative research environment. Coordinated and supervised projectsLed data analysis and interpretation e orts for molecular biology experiments, enhancing the accuracy and reliability of research outcomesDelivered impactful presentations of research findings at international conferences, resulting in high-impact scientific publications. |
|  |  | 2022 and 2023 | Junior Achievement Europe (JA- Europe), Brussels, BelgiumYouth Mentor, 2022 and 2023 Worldwide Educational ProgramDesigned and led engaging educational programs for youth worldwide, fostering a love for science and entrepreneurship.Empowered youth by offering emotional support and strategic guidance, helping them tackle real-life challenges through innovative scientific solutions and entrepreneurial initiatives.Facilitated dynamic leadership development workshops, inspiring youth to achieve their full potential and become future leaders.Reappointed to perform the same role for the 2023 Foodathon by JA Europe, reflecting my success and impact in previous events. |

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| Publications |  |  |
|  |  | 2024 | ISI Journal Publications**Atuahene D**, Zuniga-Chaves I, Martello E, Stefanon B, Suen G, Balouei F, Meineri G. Canine Gut Health: The Impact of a New Feed Supplement on Microbiota Composition. Animals. 2024; 14(8):1189. <https://doi.org/10.3390/ani14081189> |
|  |  | 2024 | Atuahene D, Mukarram SA, Balouei F, Antwi A. Gut Health Optimization in Canines and Felines: Exploring the Role of Probiotics and Nutraceuticals. *Pets*. 2024; 1(2):135-151. <https://doi.org/10.3390/pets1020011> |
|  |  | 2024 | Balouei F, Stefanon B, Martello E, Atuahene D, Sandri M, Meineri G. Supplementation with Silybum marianum Extract, Synbiotics, Omega-3 Fatty Acids, Vitamins, and Minerals: Impact on Biochemical Markers and Fecal Microbiome in Overweight Dogs. Animals. 2024; 14(4):579. <https://doi.org/10.3390/ani14040579> |
|  |  | 2023 | Atuahene D, Costale A, Martello E, Mannelli A, Radice E, Ribaldone DG, Chiofalo B, Stefanon B, Meineri G. A Supplement with Bromelain, Lentinula edodes, and Quercetin: Antioxidant Capacity and Effects on Morphofunctional and Fecal Parameters (Calprotectin, Cortisol, and Intestinal Fermentation Products) in Kennel Dogs. Veterinary Sciences. 2023; 10(8):486. <https://doi.org/10.3390/vetsci10080486> |
|  |  | 2023 | Meineri G, Cocolin L, Morelli G, Schievano C, Atuahene D, Ferrocino I. Effect of an Enteroprotective Complementary Feed on Faecal Markers of Inflammation and Intestinal Microbiota Composition in Weaning Puppies. Veterinary Sciences. 2023; 10(7):434. <https://doi.org/10.3390/vetsci10070434> |
|  |  | 2022 | Meineri G, Martello E, Atuahene D, Miretti S, Stefanon B, Sandri M, Biasato I, Corvaglia MR, Ferrocino I, Cocolin LS. E ects of Saccharomyces boulardii Supplementation on Nutritional Status, Fecal Parameters, Microbiota, and Mycobiota in Breeding Adult Dogs. Veterinary Sciences. 2022; 9(8):389. https://doi.org/10.3390/vetsci9080389 |
|  |  | 2022 | Meineri G, Martello E, Radice E, Bruni N, Saettone V, Atuahene D, Armandi A, Testa G, Ribaldone DG. Chronic Intestinal Disorders in Humans and Pets: Current Management and the Potential of Nutraceutical Antioxidants as Alternatives. Animals. 2022; 12(7):812. <https://doi.org/10.3390/ani12070812> |

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|  |  | 2024 | Conference and WorkshopFetch Coastal Conference. Atlantic City, New Jersey, USA. |
| Presentations and invited lectures |  | 2024 | Poster presentation and Section moderator“Evaluation of a novel antioxidant formulation for the improvement of canine gastrointestinal health”. **Conference of Research Workers in Animal Diseases (CRWAD) International Congress 2024.** Chicago, USA. |
|  |  | 2024 | Science Talk and Poster presentation“Unraveling Gut Dynamics: Investigating the Impact of a Novel Supplement on Canine Gut Microbiota”. **Food Systems Microbiome Conference 2024. Turin, Italy.** |
|  |  | 2023 | Oral presentation“Nutraceuticals: a promising alternative to the use of drugs for intestinal wellness in dogs”. **Animal Production Science: innovations and sustainability for future generations. ASPA Congress 2023.** Monopoli (Bari), Italy. |
|  |  | 2022 | Oral presentation“New Nutraceuticals derived from natural sources for improving gastrointestinal health in Animal Nutrition, An oral Presentation at Terra Madre Congress 2024”. Symposium towards the International Society for Gastronomic Science and Studies 2022, Torino, Italy. |

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| **Professional service** |  | 2024- Present | Peer-Reviewed Articles for:Springer Nature: Scientific Reports Journal |
|  |  | 2024- Present | Peer-Reviewed Articles for:Journal of Pure and Applied Microbiology (JPAM) |

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| Languages |  |  | English | Native language |
|  |  |  | Italian | Intermediate Listener, Novice Speaker, Advanced Reading and Writing  |

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| Computer skills |  | Statistical Analysis | R, SPSS, Mothur, QIIME2, BLAST, SAS  |
|  |  | Learning Management Systems (LMS) | Canvas, Blackboard |
|  |  | Office Suite | Microsoft Office, Google Workspace   |
|  |  | Graphic and Presentation | R, Adobe Photoshop, PowerPoint, Canva |

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|  |  |  |  |
| References |  | Prof. Giorgia Meineri | Dept. of Veterinary Sciences, University of Turin, Italy.Giorgia.meineri@unito.it |
|  |  | Prof. Garret Suen | Dept. of Microbiology, University of Wisconsin-Madison, USA.gsuen@wisc.edu |
|  |  | Prof. Tiziana Fornari | Dept. of Food Science and Technology, Autonomous University of Madrid, Spain.Tiziana.fornari@uam.es  |
|  |  | Dr. Irene A. Idun | Dept. of Agricultural Sciences, KNUST, Ghana.reneidun@gmail.com |