Ernest Amponsah Asiamah

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RESEARCH

Interests	iPSC · neurodegenerative disease · diabetes · lipids
Areas	Food Science · Plant Science · Endocrinology, Diabetes and Metabolism · Immunology · Molecular Biology · Nutrition and Dietetics

RESEARCH SUMMARY

45	437	12	14	1.20	10%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 45 publications listed below, 2016–2026. Field-weighted impact is the mean over the 20 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 20 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2023–present
Biomedical Science, University of Cape Coast School of Allied Health Sciences, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Doctoral 2018–2021
Hebei Medical University-National University of Ireland Galway Stem Cell Research Center, Hebei Medical University, Shijiazhuang, China

PUBLICATIONS

Journal articles 45

1. Nyaradzo Ellen Masango, **Ernest Amponsah Asiamah**, Orleans Martey, Justice Kwaku Addo, Samuel Kyei, Alex Boye (2026). Aqueous Extract of Opuntia ficus-indica (L. Mill) Cladodes Demonstrates Antidiabetic Effect in Normoglycemic and STZ-Induced Diabetic Rats. *BioMed Research International*. https://doi.org/10.1155/bmri/5516794
2. Mary-Ann Archer, Kwabena Ofori-Kwakye, Raphael Johnson, **Ernest Amponsah Asiamah**, Wisdom Ahlidja, Mustapha Abubakar Ahmed, Isaac Tabiri Henneh (2026). Assessment of the Safety Profile of Purified Pentadesma butyracea (Clusiaceae) Gum Intended as a Pharmaceutical Excipient. *Journal of Toxicology*. https://doi.org/10.1155/jt/4227246
3. Joel Karikari Nyarkoh, **Ernest Amponsah Asiamah**, Samuel Badu Nyarko, Joseph Boachie, Christian Dzuvor, Gabriel Kotam Pezahso, Moses Tetteh Larnyoh, Obed Akorli Mawunyo, Bernard Nyarko (2026). The Reparative Mechanisms Underlying Preclinical Neural Stem/Progenitor Cell Therapy for Ischemic Stroke: A Systematic Review. *Neurology Research International*. https://doi.org/10.1155/nri/9430707
4. **Ernest A ASIAMAH**, Angelina A AMPAH, Francis TAMBO, Moses ADJEI, Jude FORSON, Belinda S AMOAKOA, Andrews F WIAFE, Jake B ADOM-YEBOAH, Denzel OPOKU-KWABI, Benjamin ABOAGYE (2026). Unsweetened Theobroma cacaopowder mitigates oxidative stress and preserves hepatic function in ethanol-fed Sprague Dawley rats. *Health Sciences Investigations Journal*. https://doi.org/10.46829/hsijournal.2026.4.8.2.1456-1467

5. Paulina Ampomah, Wisdom Xoese Kwadzo Agroh, **Ernest Amponsah Asiamah** (2025). Zanthoxylum zanthoxyloides leaf extracts demonstrate antimicrobial effect on selected oral pathogens. *THE JOURNAL*. https://phytopharmajournal.com/assets/pdf_files/Vol14_Issue1_06.pdf
6. Jingjing He, Boxin Liu, Xiaofeng Du, Yan Wei, Desheng Kong, Baofeng Feng, Ruiyun Guo, **Ernest Amponsah Asiamah**, Matthew D. Griffin, Sean O. Hynes, Sanbing Shen, Yan Liu, Huixian Cui, Jun Ma, Timothy O'Brien (2024). Amelioration of diabetic nephropathy in mice by a single intravenous injection of human mesenchymal stromal cells at early and later disease stages is associated with restoration of autophagy. *Stem Cell Research & Therapy*. https://doi.org/10.1186/s13287-024-03647-x
7. Isaac Tabiri Henneh, Wisdom Ahlidja, **Ernest Amponsah Asiamah**, Denzel Opoku-Kwabi, Henry Mensah Korsah, Fynn Malcom, Stephen Mensah Arhin, Michael Buenor Adinortey, Francis Ackah Armah (2024). Antinociceptive and anti-ulcerogenic effect of hydroethanolic stem bark extract of Ricinodendron heudelotii (Baill.) Pierre ex. Heckel (Euphorbiaceae): Involvement of the opioidergic pathway and attenuation of oxidative stress. *Journal of Traditional and Complementary Medicine*. https://doi.org/10.1016/j.jtcme.2024.03.007
8. Alex Boye, **Ernest Amponsah Asiamah**, Orleans Martey, Frederick Ayertey (2024). Citrus limon (L.) Osbeck Fruit Peel Extract Attenuates Carbon Tetrachloride-Induced Hepatocarcinogenesis in Sprague-Dawley Rats. *BioMed Research International*. https://doi.org/10.1155/2024/6673550
9. Alex Boye, Samuel Essien-Baidoo, **Ernest Amponsah Asiamah** (2024). Citrus reticulata fruit peel extract ameliorates testesterone-induced benign prostatic hyperplasia-like phenotypes in rats. *International Journal of Plant Based Pharmaceuticals*. https://doi.org/10.62313/ijpbp.2024.208
10. **Ernest Amponsah Asiamah** (2024). Preclinical evidence for the effectiveness of mesenchymal stromal cells for diabetic cardiomyopathy: A systematic review and meta-analysis. *Current Stem Cell Research & Therapy*. https://doi.org/10.2174/1574888x18666230510111302
11. **Ernest Amponsah Asiamah**, Baofeng Feng, Ruiyun Guo, Xu Yaxing, Xiaofeng Du, Xin Liu, Jinyu Zhang, Huixian Cui, Jun Ma (2024). The Contributions of the Endolysosomal Compartment and Autophagy to APOE ε4 Allele-Mediated Increase in Alzheimer's Disease Risk. *Journal of Alzheimer s Disease*. https://doi.org/10.3233/jad-230658
12. Alex Boye, Victor A. Barku, Justice K. Addo, Orleans Martey, **Ernest A. Asiamah**, Mainprice A. Essuman, Dennis Doe (2024). Zanthoxylum zanthoxyloides (Lam.) B. Zepernick & Timler alkaloidal extract exerts hepatoprotective effects in rats with a CCl4/olive oil-induced hepatocellular carcinoma-like phenotype. *Journal of Taibah University Medical Sciences*. https://doi.org/10.1016/j.jtumed.2024.06.009
13. **Ernest Amponsah Asiamah** (2023). hiPSC-neural stem/progenitor cell transplantation therapy for spinal cord injury. *Current Stem Cell Research & Therapy*. https://doi.org/10.2174/1574888x17666220509222520
14. **Ernest Amponsah Asiamah** (2022). Autophagy-mediated inflammatory cytokine secretion in sporadic ALS patient iPSC-derived astrocytes. *Oxidative Medicine and Cellular Longevity*. https://doi.org/10.1155/2022/6483582
15. Dominic Nkwantabisa Kuma, Alex Boye, Godwin Kwakye-Nuako, Yaw Duah Boakye, Justice Kwaku Addo, **Ernest Amponsah Asiamah**, Eugene Agyei Aboagye, Orleans Martey, Mainprice Akuoko Essuman, Victor Yao Atsu Barku (2022). Wound Healing Properties and Antimicrobial Effects of Parkia clappertoniana Keay Fruit Husk Extract in a Rat Excisional Wound Model. *BioMed Research International*. https://doi.org/10.1155/2022/9709365
16. **Ernest Amponsah Asiamah** (2021). Clinical efficacy on glycemic control and safety of mesenchymal stem cells in patients with diabetes mellitus: Systematic review and meta-analysis of RCT data. *PLoS One*. https://doi.org/10.1371/journal.pone.0247662
17. **Ernest Amponsah Asiamah** (2021). Clustered regularly interspaced short palindromic repeats as an advanced treatment for Parkinson's disease. *Brain and behavior*. https://doi.org/10.1002/brb3.2280
18. **Ernest Amponsah Asiamah** (2021). Efficacy of mesenchymal stem cells in the spinal cord injury of large animal models: a meta-analysis. *Chinese Journal of Tissue Engineering Research*.
19. **Ernest Amponsah Asiamah** (2021). Patient-derived iPSCs, a reliable in vitro model for the investigation of

Alzheimer's disease. *Reviews in the Neurosciences*. https://doi.org/10.1515/revneuro-2020-0065

20. **Ernest Amponsah Asiamah** (2021). hiPSC-derived NSCs effectively promote the functional recovery of acute spinal cord injury in mice. *Stem Cell Research & Therapy*. https://doi.org/10.1186/s13287-021-02217-9
21. **Ernest Amponsah Asiamah** (2020). Efficacy of mesenchymal stem cells in the spinal cord injury of large animal models: a meta-analysis. *Chinese Journal of Tissue Engineering Research*.
22. Desmond Omane Acheampong, Ninette Owusu-Adzorah, Francis Ackah Armah, Enoch Aninagyei, **Ernest Amponsah Asiamah**, Ama Kyeraa Thomford, William Kofi Anyan (2020). Ethnopharmacological evaluation of schistosomicidal and cercaricidal activities of some selected medicinal plants from Ghana. *Tropical Medicine and Health*. https://doi.org/10.1186/s41182-020-00205-y
23. **Ernest Amponsah Asiamah** (2020). Fragmentation of brain apolipoprotein E (ApoE) and its relevance in Alzheimer's disease. *Reviews in the Neurosciences*. https://doi.org/10.1515/revneuro-2019-0115
24. Alex Boye, Desmond Omane Acheampong, Eric Ofori Gyamerah, **Ernest Amponsah Asiamah**, Justice Kwaku Addo, Derrick Addae Mensah, Augustine Suurinobah Brah, Philippa Jennifer Ayiku (2020). Glucose lowering and pancreato-protective effects of Abrus Precatorius (L.) leaf extract in normoglycemic and STZ/Nicotinamide – Induced diabetic rats. *Journal of Ethnopharmacology*. https://doi.org/10.1016/j.jep.2020.112918
25. **Ernest Amponsah Asiamah** (2020). Induced pluripotent stem cell (iPSC) line (HEBHMUi002-A) from a healthy female individual and neural differentiation. *Stem Cell Research*. https://www.sciencedirect.com/science/article/pii/S1873506119302995
26. **Ernest Amponsah Asiamah** (2020). Induced pluripotent stem cell line derived from a sporadic amyotrophic lateral sclerosis patient. *Stem Cell Research*. https://www.sciencedirect.com/science/article/pii/S1873506120301422
27. Isaac T. Henneh, Phyllis E. Owusu Agyei, Ernest Obese, Robert P. Biney, Meshack Antwi-Adjei, Ewura S. Yahaya, **Ernest Asiamah**, Joseph Acquah-Mills, Douglas O. Boateng, Martins Ekor (2020). Leaf and root bark extracts of Ziziphus abyssinica Hochst ex. A. Rich (Rhamnaceae) ameliorate hepatic, renal and splenic injuries induced by phenylhydrazine in rats. *Journal of Basic and Clinical Physiology and Pharmacology*. https://doi.org/10.1515/jbcpp-2020-0111
28. Jessica Ayensu, Christopher Larbie, Reginald Adjetey Annan, Herman Lutterodt, Anthony Edusei, Su Peng Loh, **Ernest Amponsah Asiamah** (2020). Palm Weevil Larvae (Rhynchophorus phoenicis Fabricius) and Orange-Fleshed Sweet Potato-Enriched Biscuits Improved Nutritional Status in Female Wistar Albino Rats. *Journal of Nutrition and Metabolism*. https://doi.org/10.1155/2020/8061365
29. **Ernest Amponsah Asiamah** (2020). Production and validation of human induced pluripotent stem cell line from sporadic amyotrophic lateral sclerosis (SALS). *Stem Cell Research*. https://www.sciencedirect.com/science/article/pii/S1873506120300647
30. **Ernest Asiamah** (2019). Effects of hUMSCs transplantation on blood flow and locomotor recovery in limb ischemia mice. *中国解剖学会2019 年年会论文文摘汇编*. https://scholar.google.com/scholar?cluster=15964734937740025935&hl=en&oi=scholarr
31. **Ernest Amponsah Asiamah** (2019). Generation and characterization of a human induced pluripotent stem cell (iPSC) line (HEBHMUi001-A) from a sporadic Parkinson's disease patient. *Stem Cell Research*. https://www.sciencedirect.com/science/article/pii/S1873506119300479
32. **Ernest Asiamah** (2019). Generation of a human iPSC line from a sporadic Parkinson's disease patient. *中国解剖学会2019 年年会论文文摘汇编*. https://scholar.google.com/scholar?cluster=12510448200050109360&hl=en&oi=scholarr
33. Desmond O. Acheampong, Isaac K. Barffour, Alex Boye, **Ernest A. Asiamah**, Francis A. Armah, Christian K. Adokoh, Joy F. Oluyemi, Benjamin Adrah, Richard Opoku, Emmanuel Adakudugu (2019). Histoprotective Effect of Essential Oil from Citrus aurantifolia in Testosterone-Induced Benign Prostatic Hyperplasia Rat. *Advances in Urology*. https://doi.org/10.1155/2019/3031609
34. **Ernest Asiamah** (2019). Isolation of human umbilical cord mesenchymal stem cells by tissue block method. *中国解剖学会2019 年年会论文文摘汇编*. https://scholar.google.com/scholar?

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35. **Ernest Asiamah** (2019). Motor recovery assessment in mice with acute spinal cord injury. *中国解剖学会 2019 年年会论文文摘汇编*. https://scholar.google.com/scholar?cluster=9894810665614896489&hl=en&oi=scholarr

36. **Ernest Amponsah Asiamah** (2019). Repellent and mosquitocidal properties of smoke from oil and non-polar extracts of Ocimum viride leaf against Aedes aegyptii. *Journal of Applied Sciences*. https://www.academia.edu/download/94775973/618-623.pdf

37. Alex Boye, **EA Asiamah**, E Asante (2018). Assessment of polyscias fruticosa (L.) Harm (Araliaceae) leaf extract on male fertility in rats. *Journal of Intercultural Ethnopharmacology*. https://www.academia.edu/download/94776024/55-1498731045.pdf

38. A Boye, Desmond Omane Acheampong, A Barku, **EA Asiamah** (2018). Follicular Development and Post-Implantation Loss Assessments in Non-Pregnant and Pregnant Rats Orally Exposed to Polyscias Fruticosa Leaf Extract Follicular Development and …. *Complement. Med. Res*. https://www.researchgate.net/profile/Desmond-Acheampong/publication/324483147_Follicular_Development_and_Post-implantation_Loss_Assessments_in_non-pregnant_and_pregnant_rats_orally_Exposed_to_Polyscias_Fruticosa_Leaf_Extract/links/5ad06a7a0f7e9b18965d05c1/Follicular-Development-and-Post-implantation-Loss-Assessments-in-non-pregnant-and-pregnant-rats-orally-Exposed-to-Polyscias-Fruticosa-Leaf-Extract.pdf

39. A Boye, VYA Barku, Desmond Omane Acheampong, **EA Asiamah** (2018). Maternal toxicity and post-implantation assessments in rats gestationally exposed to Polyscias fruticosa leaf extract. *Journal of Complementary Medicine Research*. https://www.researchgate.net/profile/Desmond-Acheampong/publication/324223933_Maternal_toxicity_and_post-implantation_assessments_in_rats_gestationally_exposed_to_Polyscias_fruticosa_leaf_extract/links/5ac63294458515798c319761/Maternal-toxicity-and-post-implantation-assessments-in-rats-gestationally-exposed-to-Polyscias-fruticosa-leaf-extract.pdf

40. E Adankwah, K Danquah, P Ossei, **E Asiamah** (2018). Nuclear localisation of autophagic p62 and associated cytoplasmic Beclin-1 and Bcl-2 expressions in adenomas and adenocarcinomas of the colorectal regions. *J Carcinog Mutagen*. https://scholar.google.com/scholar?cluster=14913615343148419643&hl=en&oi=scholarr

41. Alex Adjei Amankwaah, Richard Opoku, Christian Adokoh, Alex Boye, **Ernest Asiamah**, Francis Armah, Mawuena Tsegah, Samuel Adomako (2018). Prevalence and Antimicrobial Susceptibility Pattern of Neisseria gonorrhoeae in Kumasi, Ghana. *Journal of Advances in Microbiology*. https://doi.org/10.9734/jamb/2018/42157

42. Deasmond O. Acheampong, Christian K. Adokoh, Paulina Ampomah, Daniel S. Agyirifor, Isaac Dadzie, Francis A. Ackah, **Ernest A. Asiamah** (2017). Bispecific Antibodies (bsAbs): Promising Immunotherapeutic Agents for Cancer Therapy. *Protein and Peptide Letters*. https://doi.org/10.2174/0929866524666170120095128

43. Desmond O. Acheampong, Christian K. Adokoh, Du-Bois Asante, **Ernest A. Asiamah**, Prince A. Barnie, Dan O.M. Bonsu, Foster Kyei (2017). Immunotherapy for acute myeloid leukemia (AML): a potent alternative therapy. *Biomedicine & Pharmacotherapy*. https://doi.org/10.1016/j.biopha.2017.10.100

44. Desmond O Acheampong, Christian K Adokoh, Paulina Ampomah, Daniel S Agyirifo, **Ernest A Asiamah** (2017). Send Orders for Print-Reprints and e-prints to reprints@ benthamscience. ae. *Protein & Peptide Letters*. https://ir.ucc.edu.gh/server/api/core/bitstreams/cb5b3632-5e40-4bda-8506-c9b914e696b2/content

45. James Afriyie, Kweku Bedu-Addo, **Ernest Asiamah**, Solomon Boateng (2016). Low birth weight among adolescents at Cape Coast Metropolitan Hospital of Ghana. *International Journal of Reproduction Contraception Obstetrics and Gynecology*. https://doi.org/10.18203/2320-1770.ijrcog20164321