Dr. Precious Barnes

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RESEARCH

Interests	Chemical Pathology and Biochemistry
Areas	Molecular Biology · Endocrinology, Diabetes and Metabolism · Oncology · Surgery · Pharmacology · Plant Science

RESEARCH SUMMARY

28	184	7	5	1.29	9%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 28 publications listed below, 2014–2026. Field-weighted impact is the mean over the 22 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 22 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lectuere/Dr 2014–present
Physician Assistant Studies, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PHD
Molecular Medicine, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 26

1. Roland Osei Saahene, **Precious Barnes**, F. A. Yeboah, Du-Bois Asante, Elvis Agbo, Samuel Kofi Arhin, Sylvester Ackah Famieh (2026). Clinicopathological Features and Anatomical Patterns of Head and Neck Tumors From Cape Coast Teaching Hospital and Komfo Anokye Teaching Hospital in Ghana: A Cross-Sectional Study. *Health Science Reports*. https://doi.org/10.1002/hsr2.72395
2. Roland Osei Saahene, **Precious Barnes**, Du-Bois Asante, Sylvester Famieh, Elvis Agbo (2026). Molecular Mechanisms of FAT Atypical Cadherin 1 (FAT1), the Hippo Pathway, and the Yes-Associated Protein (YAP) Signaling Pathways in Some Cancers. *Asian Pacific Journal of Cancer Prevention*. https://doi.org/10.31557/apjcp.2026.27.3.793
3. **Precious Barnes** (2026). Re: Struckmeier AK, Smeets R, Klutmann S, König D. Sentinel lymph node biopsy in recurrent and secondary oral cancer after neck dissection: a comparative study with primary …. *British Journal of Oral and Maxillofacial Surgery*. https://scholar.google.com/scholar?cluster=13682971100272108778hl=en&oi=scholarr
4. Hannah Benedicta Taylor-Abdulai, Edem Kojo Dzantor, Nathan Kumasenu Mensah, Mubarick Nungbaso Asumah, Stephen Ocansey, Samuel Kofi Arhin, **Precious Barnes**, Victor Obiri Opoku, Zakariah Jirimah Mankir, Sylvester Ackah Famieh, Collins Paa Kwesi Botchey (2025). Coronavirus disease 2019 (COVID-19) vaccine acceptability in Ghana: An urban-based population study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0319798
5. Samuel Kofi Arhin, **Precious Barnes**, Isaiah Kofi Arhin, Benedicta Owusu-Nyarko (2025). Effect of

'Galamsey' on Human Fertility: A Systematic Review. *Health Science Reports*. https://doi.org/10.1002/hsr2.70602

6. Du-Bois Asante, Christian Kweku Adokoh, Elvis Ofori Ameyaw, Desmond Omane Acheampong, Ebenezer Afrifa-Yamoah, **Precious Barnes**, Gideon Agyeah, Ruben Phillips, Julie Sartori (2025). Evaluation of the wound healing and anti-microbial activity of hydroethanolic extracts of young and old leaves of Vernonia amygdalina Delile. *Clinical Traditional Medicine and Pharmacology*. https://doi.org/10.1016/j.ctmp.2025.200221
7. **Precious Barnes**, Elvis Agbo, Faustina Halm-Lai, Kwabena Dankwa, Roland Osei Saahene, Samuel Victor Nuvor, Dorcas Obiri-yeboah, Ewura Seidu Yahaya (2025). Insight into the immunomodulatory and chemotherapeutic mechanisms of paeonol (Review). *Medicine International*. https://doi.org/10.3892/mi.2025.223
8. **Precious Barnes**, Abraham Mensah, Leonard Derkyi-Kwarteng, Ernest Adankwa, Elvis Agbo, Ewura Yahaya, Benjamin Amoani, Emmanuel Imbeah, George Adjei, Patrick Akakpo, Faustina Halm-Lai, Kwabena Dankwa, Samuel Nuvor, Roland Saahene, Dorcas Obiri-yeboah (2025). NF-κB (p65) protein expression in head and neck tumors and its association with clinicopathological parameters. *World Academy of Sciences Journal*. https://doi.org/10.3892/wasj.2025.330
9. Roland Osei Saahene, **Precious Barnes**, F. A. Yeboah, Elvis Agbo, Du-Bois Asante, Samuel Kofi Arhin (2024). Expression of RAS and RAB interactor 1 (RIN1) in head and neck tumors at selected hospital in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0301295
10. **Precious Barnes**, Abraham Mensah, Leonard Derkyi-Kwarteng, Ernest Adankwa, Elvis Agbo, Ewura Seidu Yahaya, Benjamin Amoani, George Adjei, Samuel Mingyigilougu Apewe Ka-Chungu, Patrick Kafui Akakpo, Faustina Halm-Lai, Kwabena Dankwa, Daniel Amoako-Sakyi, Samuel Victor Nuvor, Dorcas Obiri-Yeboah, Roland Osei Saahene (2024). Prognostic Significance of Nuclear Factor Kappa B (p65) among Breast Cancer Patients in Cape Coast Teaching Hospital. *Medical Principles and Practice*. https://doi.org/10.1159/000539241
11. **Precious Barnes**, Elvis Agbo, Jianjie Wang, Benjamin Amoani, Yeboah Kwaku Opoku, Perditer Okyere, Roland Osei Saahene (2023). Prognostic Worth of Nrf2/BACH1/HO-1 Protein Expression in the Development of Breast Cancer. *Medical Principles and Practice*. https://doi.org/10.1159/000534534
12. Samuel Kofi Arhin, Stephen Ocansey, **Precious Barnes**, Collins Paa Kwesi Botchey, Hannah Benedicta Taylor-Adbulai (2022). Efficacy of combined antioxidant therapy in male subfertility-A systematic review and meta-analysis. *Cellular and Molecular Biology*. https://doi.org/10.14715/cmb/2021.67.4.27
13. Michael Buenor Adinortey, Charles Ansah, Jerry Asiedu-Larbi, Samuel Kojo Kwofie, Ansumana Sandy Bockarie, **Precious Barnes**, Benjamin Aboagye, Gideon Kofi Helegbe, Daniel Boison, Alexander Kwadwo Nyarko (2022). In vivo inhibition of gastric acid secretions and H+/K+- ATPase activity, and enhancement of mucin activity by Dissotis rotundifolia plant extract. *Scientific African*. https://doi.org/10.1016/j.sciaf.2022.e01317
14. Roland Osei Saahene, **P Barnes** (2022). Macrophages in Innate Immunity. *Macrophages: Celebrating 140 Years of Discovery*. https://books.google.com/books?hl=en&lr=&id=Klq-EAAAQBAJ&oi=fnd&pg=PA39&dq=info:aiU7kHTHuAUJ:scholar.google.com&ots=RBsXigpasX&sig=EH1xiPwGeDge6NXK_pqMB_cL_w0
15. Roland Osei. Saahene, Elvis Agbo, **Precious Barnes**, Ewura Seidu Yahaya, Benjamin Amoani, Samuel Victor Nuvor, Perditer Okyere (2021). A Review: Mechanism of Phyllanthus urinaria in Cancers—NF-κB, P13K/AKT, and MAPKs Signaling Activation. *Evidence-based Complementary and Alternative Medicine*. https://doi.org/10.1155/2021/4514342
16. Elvis Agbo, Dong Hai Liu, Jia Wan Liao, Roland Osei SAAHENE, **Precious Barnes** (2021). Cardioprotective role of myocardial endothelial nitric oxide synthase and serum nitric oxide induced by hexarelin in rats with myocardial infarction-induced heart failure. *Iranian Red Crescent Medical Journal*. https://doi.org/10.32592/ircmj.2021.23.6.395
17. Benjamin Amoani, Ben Gyan, Samuel Asamoah Sakyi, Emmanuel Kwasi Abu, Samuel Victor Nuvor, **Precious Barnes**, Tracy Sarkodie-Addo, Benjamin Ahenkorah, Christian Sewor, Duah Dwomoh, Michael Theisen, Michael Cappello, Michael D. Wilson, Bright Adu (2021). Effect of hookworm infection and anthelmintic treatment on naturally acquired antibody responses against the GMZ2 malaria vaccine

candidate and constituent antigens. *BMC Infectious Diseases*. https://doi.org/10.1186/s12879-021-06027-5

18. **Precious Barnes**, Joshua Kwame Yeboah, Wilson Gbedema, Roland Osei Saahene, Benjamin Amoani (2020). Ameliorative Effect of Vernonia amygdalina Plant Extract on Heavy Metal-Induced Liver and Kidney Dysfunction in Rats. *Advances in Pharmacological and Pharmaceutical Sciences*. https://doi.org/10.1155/2020/2976905
19. **Precious Barnes**, F. A. Yeboah, Jinling Zhu, Roland Osei Saahene, Christian Obirikorang, Michael Buenor Adinortey, Benjamin Amoani, Foster Kyei, Patrick Akakpo, Yaw Asante Awuku (2020). Prognostic Worth of Epidermal Growth Factor Receptor (EGFR) in Patients with Head and Neck Tumors. *Journal of Cancer Epidemiology*. https://doi.org/10.1155/2020/5615303
20. Benjamin Amoani, Bright Adu, Margaret T. Frempong, **Precious Barnes**, Michael Cappello, Ben Gyan, Michael D. Wilson (2019). Necator Americanus and Plasmodium Falciparum Co-Infection and Albendazole Treatment Outcome among Individuals in Rural Ghana. *The Journal of Advances in Parasitology*. https://doi.org/10.17582/journal.jap/2019/6.4.51.54
21. **Precious Barnes**, Du-Bois Asante (2018). Effect of Reheated Oil on Serum Lipid and Histological Changes of the Liver of Sprague-Dawley Rats and Possible Treatment with Vernonia Amygdalina. *International Journal of Advances in Science Engineering and Technology*,. https://ir.ucc.edu.gh/items/8408546b-cc2e-453a-a545-8496cabfa18e
22. **Precious Barnes** (2017). Prevalence of Metabolic Syndrome Among Diabetes Patients in Central Regional Hospital, Cape Coast, Ghana. *Journal of Food and Nutrition Sciences*. https://doi.org/10.11648/j.jfns.20170502.13
23. Boampong Godfred, Emmanuel Effah-Yeboah, **Precious Barnes**, Heckel Amoabeng Abban, Elvis Ofori Ameyaw, Johnson Nyarko Boampong, Eric Gyamerah Ofori, Joseph Budu Dadzie (2016). Antidiabetic Effect of Young and Old Ethanolic Leaf Extracts of Vernonia amygdalina : A Comparative Study. *Journal of Diabetes Research*. https://doi.org/10.1155/2016/8252741
24. **Precious Barnes** (2016). Biochemical and Histopathological study in rats intoxicated with Carbontetrachloride and treated Vernonia amygdalina. *International Journal of Current Research*.
25. **Precious Barnes** (2015). The Prevalence of Metabolic Syndrome among Stroke Patients,. *"International Journal of Clinical Chemistry and Laboratory Medicine (IJCCLM)*.
26. **Precious Barnes**, K Nsiah, F Mensah (2014). The Contribution of Different Risk Factors in the Occurrence of Stroke. *American Journal of Health Research*. https://doi.org/10.11648/j.ajhr.20140206.21

Book chapters 1

1. Roland Osei Saahene, **Precious Barnes**, Samuel Victor Nuvor (2022). The Interactive Role of Macrophages in Innate Immunity. *IntechOpen eBooks*. https://doi.org/10.5772/intechopen.103924

Reports 1

1. **Precious Ms Barnes** (2015). The Risk Factors of Metabolic Syndrome among Stroke Patients. *University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/68bfe031-2cc2-4ef3-8a6c-54f3e39cecbf/content