**CURRICULUM VITAE**

**PERSONAL DATA AND EDUCATION**

Name: Samuel Asamoah Sakyi **(BSc, PgDip, PhD)**

 Senior Lecturer

Address: Department of Molecular Medicine

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1. **EDUCATIONAL BACKGROUND**
	1. **Academic degrees earned with dates**

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| **Academic Qualifications** | **Date** |
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| **PhD. Immunology**, Kwame Nkrumah University of Science andTechnology. | February 2012 |
| **BSc. Medical Laboratory Technology**, Kwame Nkrumah University of Science and Technology | June 2003 |

* 1. **International Awards**

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| **Fellowships** | **Date** |
| Bill & Melinda Gates Post-Doctoral Fellowship, Noguchi Memorial Institute for Medical Research, University of Ghana | Feb 2012-2014 |

* 1. **Institutions attended with dates**

**Aug 2007 - Feb 2012** – Kwame Nkrumah University of Science and Technology, Kumasi-Ghana.

**Oct 1999 – June 2003** - Kwame Nkrumah University of Science and Technology, Kumasi-Ghana

# UNIVERSITY TEACHING AND/ OR RESEARCH EXPERIENCE WITH DATES

# (i)Academic ranks / Position held

August 2013-2018 Lecturer, Department of Molecular Medicine

Aug 2018–date: Senior Lecturer, Dept. of Molecular Medicine

Aug 2015- date Exams Officer, Dept. of Molecular Medicine

# Teaching Experience

**Courses taught**

1. **SMS 284 Immunology:** *Innate/Adaptive immunity***,** *Immunity to infections, Antigen/Immunogens, Immunoglobulins, Complement Systems, Antigen-Antibody Interaction, MHC, monoclonal antibodies Hypersensitivities, cytokines* **Dept. of Medical Laboratory Technology Aug 2013-Date**
2. **SMS 382 Immunodiagnostics:** *Innate/Adaptive immunity, Immunity to infections, Antigen/Immunogens, Immunoglobulins, Complement Systems, Antigen-Antibody Interaction, MHC, monoclonal antibodies Hypersensitivities, cytokines**Techniques in molecular biology, Vaccine development Transplantation immunology, Immunodeficiency diseases, Tumour immunology.* **Dept. of Medical Laboratory Technology Aug 2013-Date**
3. **SMS 265/266 Biochemistry 2&3:** *Immunity to infections, Antigen/Immunogens, Immunoglobulins, Complement Systems, Antigen-Antibody Interaction, MHC-* **2013-date**
4. **SMS 385/386 Chemical Pathology:** *Plasma Enzymes, Plasma proteins, Tumour Markers, Endocrinology, NPN*- **2013-date**
5. **SMS 465/466 Chemical Pathology:** *Introduction to chemical pathology, Specimen collection for clinical investigations, Plasma enzymes in diagnosis, Non-protein nitrogenous compounds. Endocrinology,* **2014-Date**
6. **SMS 481/482** **Advanced Immunology postgraduate**
7. **SMS 475/476 Molecular Medicine**

# Supervision of student project work/theses

# PhD Supervision 12

# Mphil Supervision 30

# PhD/Mphil co-supervision 8

# Undergraduate 150

# Other professionally related experience workshop/seminar/training

* Invitation to attend a KReF Review workshop as a nominated reviewer, *Gardiner Conference Room, Great Hall*. 7 October 2019
* Participated in Low Cost Viral Training Workshop at University of Pretoria, Future Africa Campus, South Africa from 11th-15thMarch,2019
* Intensive training in selection and applications of aptamers at Aptagen LLC Jacobus PA. USA. May –August 2014
* Participated in train the trainer course on “applications of genomics in public health for infectious diseases of poverty: diagnostics and vector control” at the institute Pasteur de Tunis from January 21st -30th January, 2014.
* Participated in the first Pan- African Summer School of Nanomedicine, Department of Science and Technology of CSIR, 4-10th November, 2012, Farm Inn Hotel Pretoria, South Africa.
* Participated in a one-day certificate workshop in supervising research students and examining dissertations 17th March, 2016 at KCCR, Kumasi. Organized by the WABER professional education
* Participated in train the trainer course on “applications of genomics in public health for infectious diseases of poverty: diagnostics and vector control” at the institute Pasteur de Tunis from January 21st -30th January, 2014.
* Participated in a one-week certificate course in fundamentals and applications of fluorescence microscopy in modern cell biology, organized by Koc University and the American society of cell biology. 11-17th August 2012, Koc university, Istanbul, Turkey
* Participated in a one-week certificate course in fundamentals and applications of fluorescence microscopy in modern cell biology, organized by Koc University and the American society of cell biology. 11-17th August 2012, Koc university, Istanbul, Turkey
* Participated in third West African Regional Workshop in Learning and Teaching Modern Cell Biology with emphasis on biomedical research and the application of cell biology, biochemical, molecular genetics and genomic/bioinformatics methods to protozoan parasites and cancer at KCCR (KCCR/KNUST/ASCB/Carnegie Corp. of New York 4TH -15TH JULY, 2011).
* Extensive training in TB and HIV diagnosis and management. Quality assurance, infection prevention and control and laboratory management at the Noguchi Memorial Institute of Medical Research (27th May-2ndJune 2007).
	1. **RECORD OF SERVICE TO THE UNIVERSITY/LOCAL & INTERNATIONAL COMMUNITY**
1. Departmental Exams officer, 2015-date
2. Post-graduate coordinator –Department of molecular medicine, 2016-2019
3. Medical School Admission Interview panel 2018/2019 academic year
4. Guest speaker, KNUST MELTSA mentorship program 11th October, 2019
5. Member, KNUST Council of Convocation, 2019-2021
6. Member, Winneba Community Health Invigilation team, 18th-24th Sept, 2019, 26/9-4/10/2020
7. Member, Graduate Entry Programme Committee in the School of Medical Sciences 2020
8. Member, Committee on Guideline for attendance to lectures and participation in examinations in the school of medicine and dentistry 2020
9. Secretary, committee for the establishment of a mutual health fund for senior members 2020
10. Member, College of Health science Publication Committee 2020
11. Trainer of trainers for training of academic staff on the use of module for online teaching and learning 2020
12. Member, Committee for reviewing PhD Nursing & MPhil Field Epidemiology and Applied Biostatics 2020
13. Member, Site and Physical Development Committee, School of Medicine and Dentistry, 2019-2021
14. Team leader, Tamale registered midwifery invigilation team for the ministry of health terminal diploma examination 11th- 12th June, 2019
15. Team leader, Techiman-Krobo RGN invigilation team for the ministry of health terminal diploma examination June, 2018
16. Team leader, Sampa RGN invigilation team for the ministry of health terminal diploma examination August, 2020
17. Member, council of convocation monthly health walk and convocation games,2020
18. Guest speaker, action for preeclampsia Ghana maiden scientific meeting, 22nd May 2019, Amonoor-Neizer conference center KNUST theme: improving management of preeclampsia through awareness, research and innovation.
19. Council member, University Hall of residence, 2018-2020, 2020-2022
20. Facilitator, GRASAG-KNUST, workshop on proposal writing 14th February, 2018
21. Presiding officer for Electoral Commission, December 7, 2016 Presidential and Parliamentary Elections, Suame Constituency, 2016
22. External Examiner, University for development studies, UDS, Tamale, 2013-Date
23. External Programme Assessor, Mountain View College, Kumasi. 2014-Date
24. Board Member, Living Waters Hospital, Ejisu, Kumasi, In-charge of Internal and External Quality Control and Assurance, 2016
25. Invigilator, National Nursing and Midwifery Exams 2017
26. Member, Editorial and Publicity Committee, Ghana Association of Biomedical Laboratory Scientist (GABMLS), Ghana. 2013-2015
27. Member, Panel of Scientific and Research Committee on Immunology, Ghana Association of Biomedical Laboratory Scientist (GABMLS), Ghana. 2015-Date
28. Presiding officer for Electoral Commission, December 7, 2016 Presidential and Parliamentary Elections, Ejisu Constituency, 2020
29. Member, Department of Molecular Medicine Program Accreditation Committee
30. Member, Department of Molecular Medicine Committee on Course content on graduate entry programme
31. External Examiner, University of Cape Coast, School of Medical Sciences, Department of microbiology and immunology, thesis title: circulatory inflammatory cytokines and microbiome diversity among adult female at risk of cervical cancer. April, 2021
32. Member ICT committee of the College of Health Science 2021
33. Facilitator, workshop on Basic Molecular Biology & SARS-COV2 detection, centre for health systems strengthening, 8-12 February, Anita hotel Ejisu Kumasi
34. Member, Institute of Distance Learning, COVID-19 prevention focal team
35. Facilitator workshop on DNA Recombinant Technology in local Bio-manufacturing of Enzymes
36. Chairman Committee to Investigate Alleged students misconduct in the university hall February, 2020
37. Member supervisory committee for PhD thesis, department of biochemistry and biotechnology
38. Facilitator, training workshop on PCR, virus research and molecular biology lab of the department of clinical microbiology, 31st Jan-2nd Feb 2018

**Reviewer:** **Peer-Reviewed Articles for**:

1. Journal of Pharmaceutical and Research International 2019
2. Animal Biotechnology, 2019
3. Cell Press Heliyon, 2019, 2020,2021
4. PLOS Neglected Tropical Disease 2019, 2020,2021
5. Journal of Open access Rheumatology Research and Review 2019
6. Journal of Therapeutics and Clinical Risk Management 2019
7. Journal of Advances in Medicine and Medical Research 2018
8. Asian Haematology Research Journal 2019
9. Microbiology Research International 2019
10. Journal of Viral Hepatitis 2019
11. Tuberculosis (Elsevier) 2018
12. Editorial Board Member, SciFed Journal of Obstetrics and Women Healthcare
13. Scientific African Journal. 2018-2020
14. Cancer Control SAGE Publishing 2019
15. PLOS ONE 2018,2019,2020
16. Dove press: journal of diabetes, metabolic syndrome and obesity
17. Dove press: journal of target and therapy
18. Springer Nature 2021
19. Elsevier 2020
20. International journal of infectious diseases

**Grants/Funds won with dates:**

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| Grants/Funders | Project Topic | Amount  | Dates |
| Bill & Melinda Gates Postdoctoral Training Seed grant in Infectious Diseases  | Establishment and standardization of aptamers as a diagnostic platform in Ghana | $30,000 | 2015-2016 |
| KNUST Research Fund (KReF) | Vitamin B12 deficiency and metformin use in patients with type II diabetes:evaluating the implications for better management | GH10,000 | 2017 |
| Shuttle worth Foundation  | Low cost biomanufacturing of proteins (enzymes)  | $50,000 | 2018 |
| GCRF-STARS (BioENGINE Africa STAR)  | Equipping the Next Generation of INnovative biological Engineers to develop disease diagnostics for Africa | £87,033.00 | 2020-2022 |
| EDCTP  | COVID-19 Diagnostics for Africa (AfriDx) | €499,933 | 2020-2022 |
| Strategic Partnership Technology in Africa (SPTA)/Technical University Munich (TUM),/GIZ-GH | Development and production of COVID-19 RNA rapid tests and strengthening of local laboratory capacities | €553,749 | 2021-2022 |

# LIST OF ALL PUBLICATIONS:

# Published with exact references

1. Tchum, S.K., Sakyi, S.A., Arthur, F. *et al.* Effect of iron fortification on anaemia and risk of malaria among Ghanaian pre-school children with haemoglobinopathies and different ABO blood groups. *BMC Nutr* **9**, 56 (2023). <https://doi.org/10.1186/s40795-023-00709-w>
2. Domfeh, S., Sakyi, S., Anto, E., Narkwa, P., Mutocheluh, M., Frempong, M. Evaluation of inflammatory and liver injury biomarkers among drug-naive viral hepatitis B patients: A study in a referral laboratory, Ghana. African Journal of Gastroenterology and Hepatology, 2022; 5(2): 64-73. doi: 10.21608/ajgh.2023.183024.1025
3. Wilfred Aniagyei, Jonathan Kofi Adjei, Ernest Adankwah, Julia Seyfarth, Ertan Mayatepek, Daniel Antwi Berko, Samuel Asamoah Sakyi, Linda Batsa Debrah, Alexander Yaw Debrah, Achim Hoerauf, Dorcas O Owusu, Richard O Phillips, Marc Jacobsen, Doxycycline Treatment of Mansonella perstans–Infected Individuals Affects Immune Cell Activation and Causes Long-term T-cell Polarization, Clinical Infectious Diseases, Volume 76, Issue 3, 1 February 2023, Pages e1399–e1407, <https://doi.org/10.1093/cid/ciac428>
4. Aidoo, E.K.; Aboagye, F.T.; Botchway, F.A.; Osei-Adjei, G.; Appiah, M.; Duku-Takyi, R.; Sakyi, S.A.; Amoah, L.; Badu, K.; Asmah, R.H.; Lawson, B.W.; Krogfelt, K.A. Reactive Case Detection Strategy for Malaria Control and Elimination: A 12 Year Systematic Review and Meta-Analysis from 25 Malaria-Endemic Countries. Trop. Med. Infect. Dis. **2023**, 8, 180. <https://doi.org/10.3390/tropicalmed8030180>
5. Samuel Asamoah Sakyi, Afia Serwaa Opoku, Benjamin Amoani, Bright Oppong Afranie, Alexander Kwarteng, Richard Dadzie Ephriam, Stephen Opoku, Ebenezer Senu, Ebenezer Aidoo, Fred Stephen Sarfo, Assessing the variability and the role of inflammatory cytokines and monocyte chemoattractant protein-1 (MCP-1) in predicting stroke among hypertensives: A case-control study, Dialogues in Health, Volume 1, 2022, 100086, ISSN 2772-6533, <https://doi.org/10.1016/j.dialog.2022.100086>. (https://www.sciencedirect.com/science/article/pii/S2772653322000867)
6. Konlaan Y, **Asamoah Sakyi S**, Kumi Asare K, Amoah Barnie P, Opoku S, Nakotey GK, et al.
(2022) Evaluating immunohaematological profile among COVID-19 active infection and recovered patients in Ghana. PLoS ONE 17(9): e0273969. https://doi.org/10.1371/journal.pone.0273969
7. Marc Jacobsen, Jonathan Kofi Adjei, Wilfred Aniagyei, Ernest Adankwah, Julia Seyfarth, Ertan Mayatepek, Daniel Antwi-Berko, **Samuel Asamoah Sakyi**, Alexander Y Debrah, Linda Batsa Debrah, Dorcas O Owusu, Richard O Phillips, T-cell responses against Mycobacterium ulcerans and Mycobacterium tuberculosis protein extracts identify children with Buruli ulcer disease, Journal of the Pediatric Infectious Diseases Society, 2022;, piac092, <https://doi.org/10.1093/jpids/piac092>
8. Ebenezer Asiedu, Amma Larbi, Ernest Adankwah, John Kanyiri Yambah, **Samuel Asamoah Sakyi,** Efiba Vidda Senkyire Kwarteng, Dorcas Obiri-Yeboah, Alexander Kwarteng, Transcriptomic profiling identifies host-derived biomarker panels for assessing cerebral malaria, Gene Reports, Volume 28, 2022,101650, ISSN 2452-0144,https://doi.org/10.1016/j.genrep.2022.101650
9. Aidoo, E.K, Squire, D.S., Atuahene, O.O.-D., Badu, K, Botchway, F.A, Osei-Adjei, G, **Sakyi, S.A.** Amoah, L, Appiah, M., Duku-Takyi, R. et al. (2022) Joint COVID-19 Contact Tracing and Malaria Reactive Case Detection as Efficient Strategies for Disease Control. COVID 2022, 2, 1244–1252. https://doi.org/10.3390/covid2090091
10. **Sakyi SA**, Owusu‐Yeboah M, Obirikorang C, Ephraim RKD, Kwarteng A, Opoku S, Afranie BO, Senu E, Boateng AO, Boakye DK, Buckman TA, Amoani B, (2022). Profiling vitaminD, its mediators and proinflammatory cytokines in rheumatoid arthritis: A case–control study. Immun Inflamm Dis. 2022;10: e676.doi:10.1002/iid3.676
11. Wilfred Aniagyei, Jonathan Kofi Adjei, Ernest Adankwah, Julia Seyfarth, Ertan Mayatepek, Daniel Antwi Berko**, Samuel Asamoah Sakyi**, Linda Batsa Debrah, Alexander Yaw Debrah, Achim Hoerauf, Dorcas O. Owusu, Richard O. Phillips, Marc Jacobsen, Doxycycline treatment of Mansonella perstans infected individuals affects immune cell activation and causes long-term T-cell polarization, Clinical Infectious Diseases, 2022;, ciac428, <https://doi.org/10.1093/cid/ciac428>
12. **Sakyi SA,** Wilson MD, Adu B, Amoani B. et al (2022). Plasmodium falciparum coinfection is associated with improved IgE and IgG3 response against hookworm antigens. Health Sci Rep. 2022;5: e672. doi:10.1002/hsr2.672
13. **Sakyi SA**, Amoani B, Opoku S, et al. (2022) Assessing the role of eosinophil‐mediated immune response markers in detecting hookworm infection: a case‐control study in Kintampo, Ghana. Health Sci. Rep.2022;5: e674. doi:10.1002/hsr2.674
14. Opoku, S., **Sakyi, S.A.,** Ayisi-Boateng, N.K. *et al.* (2022) Factors associated with viral suppression and rebound among adult HIV patients on treatment: a retrospective study in Ghana. *AIDS Res Ther* **19,** 21 (2022). <https://doi.org/10.1186/s12981-022-00447-2>
15. **Sakyi, SA,** Boateng, AO, Fondjo, LA, et al., (2022) Polymorphism of protein tyrosine phosphatase non-receptor type 22 and protein arginine deiminase 4 gene among Ghanaian rheumatoid arthritis patients: A case–control study. *Int J Rheum Dis*. 2022; 00: 1- 6. doi: [10.1111/1756-185X.14348](https://doi.org/10.1111/1756-185X.14348)
16. Ahenkorah B, **Sakyi SA,** Helegbe G, Owiredu E-W, Fondjo LA, Ofosu W, et al. (2022) Foeto-maternal complications associated with low birth weight: A prospective multicenter study in northern Ghana. PLoS ONE 17(4): e0266796. <https://doi.org/10.1371/journal.pone.0266796>
17. Benjamin Amoani , **Samuel Asamoah Sakyi**, Prince Amoah Barnie, Karen Pomeyie, Wilfred Aniagyei , Stephen Opoku, Christian Sewor, Roland Osei Saahene: (2021) Effect of ART on Cytokine Profile amongst HIV Patients: A Systematic Review and Meta-Analysis. Focus on Medical Sciences Journal, Vol 7, No. 3 (2021)
18. **S.A. Sakyi,** R.K. Dadzie Ephraim, P. Adoba, B. Amoani, T. Buckman, R. Mantey, B.A. Eghan, Tissue inhibitor metalloproteinase 2 (TIMP-2) and insulin-like growth factor binding protein 7 (IGFBP7) best predicts the development of Acute kidney injury, HELIYON, <https://doi.org/10.1016/j.heliyon.2021.e07960>
19. Ephraim, R.K.D., Baah, S.K., **Sakyi, S.A.,** Darkwah, K.O., and Abaka-Yawson, A. (2021) Hyperglycaemia in newly diagnosed pulmonary tuberculosis patients: a cross-sectional study of the Agona District Hospital. Annals of Medical Laboratory Science 1(2): 50 – 58
20. Ephraim RKD, Acheampong E, Swaray SM, Odame Anto E, Agbodzakey H, Adoba P, Oppong Afranie B, Nsenbah Batu E, Adu P, Ahenkorah Fondjo L, Sakyi SA, Amoah B. Developing a Modified Low-Density Lipoprotein (M-LDL-C) Friedewald's Equation as a Substitute for Direct LDL-C Measure in a Ghanaian Population: A Comparative Study. J Lipids. 2018 Dec 31;2018:7078409. doi: 10.1155/2018/7078409. PMID: 30693111; PMCID: PMC6332996.
21. Tchum SK, **Sakyi SA**, Adu B, Arthur F, Oppong FB, Dzabeng F, et al. (2021) Impact of IgG response to malaria-specific antigens and immunity against malaria in pre-school children in Ghana. A cluster randomized, placebo-controlled trial. PLoS ONE 16(7): e0253544. <https://doi.org/10.1371/journal.pone.0253544>
22. **Samuel Asamoah Sakyi,** Maxwell Hubert Antwi, Linda Ahenkorah Fondjo , Edwin Ferguson Laing, Richard K. Dadzie Ephraim, Alexander Kwarteng, Benjamin Amoani , et al., (2021) Vitamin D Deficiency Is Common in Ghana despite Abundance of Sunlight: A Multi-centre Comparative Cross-Sectional Study. Journal of Nutrition and Metabolism, Volume 2021, Article ID 9987141, 7 pages, <https://doi.org/10.1155/2021/9987141>
23. Benjamin Amoani, Ben Gyan, **Samuel Asamoah Sakyi,** Emmanuel Kwasi Abu, Samuel Victor Nuvor, Precious Barnes, et al., (2021) Effect of hookworm infection and anthelmintic treatment on naturally acquired antibody responses against the GMZ2 malaria vaccine candidate and constituent antigens. *BMC Infect Dis* **21,**332 (2021). <https://doi.org/10.1186/s12879-021-06027-5>
24. **Sakyi SA,** Laing EF, Mantey R, Kwarteng A, Owiredu E-W, Dadzie RE, et al. (2021) Profiling immuno-metabolic mediators of vitamin B12 deficiency among metformin-treated type 2 diabetic patients in Ghana. PLoS ONE 16(3): e0249325. <https://doi.org/10.1371/journal>. pone.0249325.
25. Alexander Kwarteng, Ebenezer Asiedu, Augustina Angelina Sylverken, Amma Larbi, **Samuel Asamoah Sakyi**, Samuel Opoku Asiedu,(2021) Molecular characterization of interactions between the D614G variant of SARS-CoV-2 S-protein and neutralizing antibodies: A computational approach; Infection, Genetics and Evulotion, https://doi.org/10.1016/j.meegid.2021.104815
26. Ephraim, R.K.D., Appiah, A.A., **Sakyi, S.A**. and Anto, E.O. (2021) Effect of pro-longed venostasis on lipid profile parameters among apparently healthy University students: A case-control study in Ghana, Annals of Medical Laboratory Science 1(1): 1 -7 https://doi.org/10.51374/annalsmls.2021.1.1.0016
27. Tchum SK, Arthur FK, Adu B, **Sakyi SA,** Abubakar LA, Atibilla D, et al. (2021) Impact of iron fortification on anaemia and iron deficiency among pre-school children living in Rural Ghana. PLoS ONE 16(2): e0246362. <https://doi.org/10.1371/journal.pone.0246362>
28. Benjamin Amoani , **Samuel A. Sakyi** , Richard Mantey , Edwin F. Laing , Richard D. Ephraim , Osei Sarfo-Katanka , Simon Koffie , Ernest Obese & Bright Oppong Afranie (2021): Increased metformin dosage suppresses pro-inflammatory cytokine levels in systemic circulation and might contribute to its beneficial effects, Journal of Immunoassay and Immunochemistry: <https://doi.org/10.1080/15321819.2020.1862861>
29. **Samuel Asamoah Sakyi**, Anthony Enimil , David Kwabena Adu, Richard Dadzie Ephraim, Kwabena Owusu Danquah, Linda Fondjo, David Baidoe-Ansah, Prince Adoba, Emmanuel Toboh, Bright Oppong Afranie (2020) Individual and combined bioscore model of presepsin, procalcitonin, and high sensitive C - reactive protein as biomarkers for early diagnosis of paediatric sepsis, CELL PRESS, Heliyon 6 (2020) e04841 <https://doi.org/10.1016/j.heliyon.2020.e04841>
30. **Samuel Asamoah Sakyi**, Tonnies Abeku Buckman,Daniel Antwi-Berko, Kwame Yeboah-Mensah, Dzifa Dey, Eddie-Williams Owiredu, Benjamin Amoani ,and Richard Mantey;2020 Intracytoplasmic Expression of IL-6 and IL-17A in Circulating CD4+ T Cells Are Strongly Associated with and Predict Disease Activity in Rheumatoid Arthritis: A Case-Control Study in Ghana, International Journal of Rheumatology Volume 2020, Article ID 2808413, <https://doi.org/10.1155/2020/2808413>
31. Alexander Kwarteng, Ebenezer Asiedu, **Samuel Asamoah Sakyi,** Samuel Opoku Asiedu (2020) Targeting the SARS-CoV2 nucleocapsid protein for potential therapeutics using immuno-informatics and structure-based drug discovery techniques, Biomedicine & Pharmacotherapy, <https://doi.org/10.1016/j.biopha.2020.110914>
32. Otchere Addai-Mensah ,Edward Y. Afriyie, **Samuel Asamoah Sakyi** ,Christian Obirikorang, Max Efui Annani-Akollor, Eddie-Williams Owiredu ,Francis A. Amponsah,Richard Vikpebah Duneeh, and Evans Asamoah Adu (2020) Fetal Rhesus D Genotyping and Sex Determination from Maternal Plasma of Rhesus D-Negative Antenatal Population: The Usefulness of Conventional Polymerase Chain Reaction in Resource-limited Settings, Obstetrics and Gynecology International Volume 2020, Article ID 4913793, <https://doi.org/10.1155/2020/4913793>
33. Simon Bannison Bani, Kwabena Owusu Danquah, Christian Obirikorang, William K. B. A. Owiredu, Lawrence Quaye, Edmund Muonir Der, Emmanuel Acheampong, Yussif Adams, Peter Paul M. Dapare, Moses Banyeh, Enoch Odame Anto & **Samuel Asamoah Sakyi** (2020); Single nucleotide polymorphisms in LCAT may contribute to dyslipidaemia in HIV‑infected individuals on HAART in a Ghanaian population, Scientific Reports | (2020) 10:19419 | <https://doi.org/10.1038/s41598-020-76113-2>
34. Michael Frimpong, Hubert Senanu Ahor, **Samuel Asamoah Sakyi**, Bernadette Agbavor, Emmanuel Akowuah and Richard Odame Phillips Rapid: Extraction Method of Mycobacterium ulcerans DNA from Clinical Samples of Suspected Buruli Ulcer Patients, Diagnostics 2019, 9, 204; doi:10.3390/diagnostics9040204.
35. **Sakyi SA,** Kumi B, Ephraim RD, Danquah KO, Osakunor D, Baidoe-Ansah D. Modified DNA Extraction Technique for Use in Resource-limited Settings (2017): Comparison of Salting out Methods versus QIAamp Blood Mini Kit. Ann Med Health Sci Res. 2017; 7:131-136.
36. **Samuel A. Sakyi,** Samuel Y. Aboagye, Isaac Darko Otchere, and Dorothy Yeboah-Manu, “Clinical and Laboratory Diagnosis of Buruli Ulcer Disease: A Systematic Review,” Canadian Journal of Infectious Diseases and Medical Microbiology, vol. 2016, Article ID 5310718, 10 pages, 2016. doi:10.1155/2016/5310718
37. **Sakyi SA**, Aboagye SY, Otchere ID, Liao AM, Caltagirone TG, Yeboah-Manu D (2016) RNA Aptamer That Specifically Binds to Mycolactone and Serves as a Diagnostic Tool for Diagnosis of Buruli Ulcer. PLoS Negl Trop Dis 10(10): e0004950. doi:10.1371/journal.pntd.0004950
38. **Samuel Asamoah Sakyi,** Kwabena Owusu Danquah, Richard Dadzie Ephraim, Anthony Enimil, venus frimpong, Linda Ahenkorah Fondjo, et al., (2018); Evaluating the Contribution of Nocardia spp. and Mycobacterium tuberculosis to Pulmonary Infections among HIV and Non-HIV Patients at the Komfo Anokye Teaching Hospital, Ghana. Canadian Journal of Infectious Diseases and Medical Microbiology, Volume 2018, Article ID 2910198, 7 pages <https://doi.org/10.1155/2018/2910198>
39. Eric Adua, Peter Roberts, **Samuel Asamoah Sakyi,** Francis Agyeman Yeboah, Albert Dompreh, Kwesi Frimpong *et al.,* (2017). Profiling of cardio-metabolic risk factors and medication utilization among type 2 diabetes patients in Ghana: a prospective. Cohort study. *Clin trans med:* 6:32 DOI: 10.1186/s40169-017-0162-5
40. Richard k. Dadzie Ephraim, **Samuel A. Sakyi**, Linda A. Fondjo, Justice Afrifa, Prince Agyeman and Prince Darko. Determinants of Isolated Systolic Hypertension among HIV/AIDS on Highly Active Antiretroviral Therapy: A Cross Sectional Study in the GA South Metropolis. Ann Med Health Sci Res. 2018;8:360-364
41. Fondjo LA, Owiredu WKBA, **Sakyi SA,** Obirikorang C, Wilfred D, et al. (2018) CKD-EPI is a Better Tool for Detecting Renal Dysfunction in Hypertensive Pregnancy: A Case-Control Study in Ghana. J Vasc Med Surg 6: 361. doi: 10.4172/2329-6925.1000361
42. Prince Adoba , Richard K. D. Ephraim , Kate Adomakowaah Kontor, Joseph-Josiah Bentsil,2 Patrick Adu , Maxwell Anderson, **Samuel Asamoah Sakyi** , and Paul Nsiah (2018):Knowledge Level and Determinants of Neonatal Jaundice: A Cross-Sectional Study in the Effutu Municipality of Ghana. International Journal of Pediatrics. Vol. 2018 Article ID 3901505, 9 pages <https://doi.org/10.1155/2018/3901505>.
43. Linda Ahenkorah Fondjo, Osei Owusu-Afriyie, **Samuel Asamoah Sakyi**, Akua Addo Wiafe, Bright Amankwaa, Emmanuel Acheampong, Richard K. D. Ephraim and William K. B. A. Owiredu; Comparative Assessment of Knowledge, Attitudes, and Practice of Breast Self-Examination among Female Secondary and Tertiary School Students in Ghana International Journal of Breast Cancer Volume 2018, Article ID 7502047, 10 pages https://doi.org/10.1155/2018/7502047

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