**CURRICULUM VITAE**

**NAME: George BEDU-ADDO**

**ADDRESS:** P.O.Box KS 11960, Adum, Kumasi

**DATE AND PLACE OF BIRTH** 1st November, 1957, Tema

**MARITAL STATUS:** Married with three children.

**NATIONALITY:** Ghanaian

**1a ACADEMIC DEGREES.**

1. Fellow of West African College of Physicians (FWACP) West African Postgraduate Medical College, 2001
2. MB ChB. Kwame Nkrumah University of Science and Technology, 1984
3. BSc (Human Biology) Kwame Nkrumah University of Science and Technology, 1981
4. General Certificate of Education (West Africa) : Advanced Level, 1978
5. General Certificate of Education (West Africa): Ordinary Level, 1976.

**1b. INSTITUTIONS ATTENDED**

* Kwame University of Science and Technology, 1979-1984
* St George’s Hospital Medical School, UK, April 1992-March 1993
* Government SecondaryTechnical School, 1976-1978
* Swedru Secondary Technical School, 1971-1976

**2 UNIVERSITY TEACHING AND OR RESEARCH EXPERIENCE.**

**2a. ACADEMIC RANKS HELD:**

* Vice Dean SMS 2010/2011, 2011/2012 academic year
* Acting Dean SMS October 1st 2011 to December 31st 2011
* Professor of Medicine, 2013
* Associate Professor: Department of Medicine, School of Medical Sciences, Kwame Nkrumah University of Science and Technology. October 2007 to date
* Head,Department of Medicine, Kwame Nkrumah University of Science and Technology, Kumasi. August 2009 to date, 2004-2007

Senior Lecturer:Department of Medicine, School of Medical Sciences, Kwame Nkrumah University of Science and Technology 2001-2007

* Coordinator: Clinical Science Programme School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi. 2002-2007

**2b. SUPERVISION OF STUDENT PROJECTS**

* Supervision for award of PhD Degree on Genetic Susceptibility to Hyper-reactive Malarial Splenomegaly, 2006
* Supervision for award of FWACP on Causes of Heart Failure in Patients seen at KATH, Kumasi, Ghana. 2007
* Supervision for award of Diploma on Treatment of Heart Failure at KATH, Kumasi, 2007
* Supervised project on Total Lactate Dehydrogenase and Paraproteins as markers for the diagnosis of Lymphoproliferative Disorders. 2011
* Supervised research into Causes and outcome determinants of HIV associated hospitalisation; a prospective observational study in KATH leading to award of FWACP 2010
* Supervised research into Prevalence of skin manifestations among newly diagnosed adult HIV-seropositive patients at KATH leading to award of FWACP
* Supervised research into Thyroid Hormone Levels and Cardiometabolic Risk Factors in Hypertensive Adult Ghanaians, 2011
* Supervising research into type 2 diabetes mellitus patients at KATH, 2012 to date
* Supervising research into left ventricular hypertrophy and renal damage in hypertensives at KATH, 2012 to date
* Supervising research into cardiovascular risk profile of HIV patients attending the HIV clinic at KATH, 2012 to date
* Supervising research into Pattern of chronic kidney disease admissions to KomfoAnokye Teaching Hospital, Ghana, 2012 to date

**2c. OTHER PROFESSIONALLY RELATED EXPERIENCE**

* October 2001: Physician, KATH
* October 1993-2000, Acting Head of Haematology Unit, KATH
* April 1992-September 2000: Senior Medical Officer/Resident, Department of Medicine KATH
* October 1986-March 1992:.Medical Officer, Department of Medicine, KATH

August 1985-August 1986, Rotations in Obstetrics and Gynaecology and Child Health

* January 1985-June 1985, House officer, Department of Surgery, KATH
* June 1984-November 1984, House Officer, Department of Medicine, KATH

**AWARDS AND FELLOWSHIPS**

1. Honorary Fellow of the Royal College of Physicians, June 2005 to date
2. Shell Travelling Fellowship (6weeks) to School of Tropical Medicine, Liverpool, U.K, 2001
3. British Society of Haematology Travelling Fellowship (6weeks) to St George’s Hospital Medical School, UK, 1998
4. Wellcome Trust Travelling Fellowship (1 year) to St George’s Hospital Medical School, London U.K
5. Best Doctor, Department of Medicine, 1988, 1989, 1990

**3 DETAILS OF RESEARCH OR PROJECTS.**

1. **Research conducted**:
2. Mechanisms underlying failure of Proguanil as treatment for hyper-reactivemalarialsplenomegaly in Ghana. On-going
3. Laboratory utilization in Medical Practice: An Epidemiological survey study in Sub-Saharan Africa 2006
4. Malaria in pregnancy: Genotype of Plasmodium falciparum in placenta and peripheral blood and influence of alpha-thalassaemia on clonal composition of infection. 2002, 2007 (Protocol amendment)
5. Influence of multiple Plasmodium falciparum infections, multi-species Plasmodium infections, human resistance factors and residual antimalarial drug levels on incidence and morbidity of clinical malaria during the first year of life. 2003,2007 (Protocol amendment)
6. A study of the systemic impact of anti-retroviral therapy scale-up in Kumasi, Ghana. 2005-2006
7. Time dependent changes in the prevalence of Plasmodium falciparum dhfr gene mutations in pregnant women in Agogo, Ghana. 2006-2008
8. Longitudinal study of patients with hyper-reactive malarial splenomegaly to look for evolution into lymphoma. 2002. On-going
9. Causes of massive tropical splenomegaly in Ghana. 1986. On-going
10. Study identifying HIV rate in traders with name tattoos 2006-2007
11. Prospective descriptive outcome after one year on HAART at KATH and prospective longitudinal follow-up of a 250 patient cohort. 2006-2007
12. Prospective study investigating impact of GB virus (BBV-C) co-infection on HIV disease progression 2006-2007
13. Lymphoproliferative disorders (LPDs) in Ghana, West Africa
14. Risk factors for Diabetes Mellitus and Hypertension in Kumasi, Ghana, 2008
15. A pilot study of rapid, point-of-care HIV testing in the VCT and TB clinics at KomfoAnokye Teaching Hospital. 2007
16. A study assessing the determinants of increased or decreased risk of malaria and malaria-related morbidity in pregnancy and infancy. 2003, 2007
17. A phase III comparative, (double-blind, double dummy), randomized multicentre, clinical study to assess the safety and Efficacy of fixed-dose oral combination of pyronaridine–artesunate tablet (180:60 mg) versus coartem(artemeter-lumefantrine) in children and adult patients with acute uncomplicated Plasmodium falciparum malaria. 2006-2007
18. A pilot study of rapid, point-of-care HIV testing in the VCT and TB clinics at KomfoAnokye Teaching Hospital 2006-2007
19. RODAM: Type 2 diabetes and obesity among sub-Saharan African natives and migrant populations: dissection of the environment and endogenous predisposition 2012

**PUBLICATIONS ARISING OUT OF THE RESEARCH**

**TABLE1**

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| No | Publication | Points |
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|  | Yaw Ampem Amoako, **G Bedu-Addo**  Hyper-reactive malarial splenomegaly (HMS) in a patient with β thalassemia syndrome  Pan African Medical Journal, 2014;19:310 doi:10.11604/pamj.2014.19.310.5576  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** |  |
|  | Frank LK, Kröger J, Schulze MB, **Bedu-Addo G**, Mockenhaupt FP, Danquah I.  Dietary patterns in urban Ghana and risk of type 2 diabetes. Br J Nutr. 2014 Jul  14;112(1):89-98. doi: 10.1017/S000711451400052X. Epub 2014 Apr 8. PubMed PMID:  24708913.  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** |  |
|  | Sarfo FS, Zhang Y, Egan D, Tetteh LA, Phillips R, **Bedu-Addo G,** Sarfo MA, Khoo S, Owen A, Chadwick DR.  Pharmacogenetic associations with plasma efavirenz  concentrations and clinical correlates in a retrospective cohort of Ghanaian  HIV-infected patients. J Antimicrob Chemother. 2014 Feb;69(2):491-9. doi:  10.1093/jac/dkt372. Epub 2013 Sep 29. PubMed PMID: 24080498.  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** |  |
|  | Amoako YA, Laryea DO, **Bedu-Addo G,** Andoh H, Awuku YA. Clinical and demographic  characteristics of chronic kidney disease patients in a tertiary facility in Ghana.  Pan Afr Med J. 2014 Aug 4;18:274. doi: 10.11604/pamj.2014.18.274.4192.  eCollection 2014. PubMed PMID: 25489368; PubMed Central PMCID: PMC4258203.  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** |  |
|  | Sarfo FS, Sarfo MA, Norman B, Phillips R, **Bedu-Addo G,** Chadwick D.  Risk of deaths, AIDS-defining and non-AIDS defining events among Ghanaians on long-term combination antiretroviral therapy. PLoS One. 2014 Oct 23;9(10):e111400. doi:  10.1371/journal.pone.0111400. eCollection 2014. PubMed PMID: 25340766; PubMed  Central PMCID: PMC4207829.  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** |  |
|  | : Gai PP, Meese S, **Bedu-Addo G,** Gahutu JB, Mockenhaupt FP. No association of the p53 codon 72 polymorphism with malaria in Ghanaian primiparae and Rwandan children.  Am J Trop Med Hyg. 2014 Jun;90(6):1133-4. doi: 10.4269/ajtmh.14-0050.  Epub 2014 Apr 7. PubMed PMID: 24710610; PubMed Central PMCID: PMC4047741.  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** |  |
|  | **Bedu-Addo G,** Gai PP, Meese S, Eggelte TA, Thangaraj K, Mockenhaupt FP. Reduced prevalence of placental malaria in primiparae with blood group O. Malar J. 2014 Jul 28;13:289. doi: 10.1186/1475-2875-13-289. PubMed PMID: 25066505; PubMed  Central PMCID: PMC4119177.  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** |  |
| 1 | Ohene Opare-Sem, **George Bedu-Addo**, Patrick Karikari, Peter Boateng, Franis Sarkodie, Rabiniatu Rahman, Kwame Asenso-Mensah, Baffour Awuah, Alex Osei-Akoto, S.A. Abdul Munin, Fred Mensah-Acheampong, Jean-Pierre Allain and Shirlry Owusu-Ofori  Fourteen-year experience of a tertiary hospital transfusion committee in West Africa.  Transfusion. 2014 AABB  Doi:10.1111/trf.12690  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
| 2 | Fred S Sarfo, Rosie Keegan, Lambert Appiah, ShaidShakoor, Richard Phillips, Betty Norman, Yasmine Hardy, **George Bedu-Addo,** Lydia Longstaff, David Chadwick  High prevalence of renal dysfunction and association with risk of death amongst HIV-infected Ghanaians  Journal of Infection. (2013) **67**, 43-50  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 3 | **George Bedu-Addo,** Yaw AmpemAmoako, Imelda Bates  The role of bone marrow aspirate and trephine samples in haematological diagnoses in patients referred to the KomfoAnokye Teaching Hospital, Kumasi  Ghana Medical Journal, vol 47, Number 2, 75-79. June 2013  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
| 4 | **George Bedu-Addo,** Stefanie Meesse, Frank Mockenhaupt  Brief Report: AN AT2B4 polymorphism protects against malaria in pregnancy  Journal of Infectious Diseases 2013;207:1600-3  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
| 5 | Laura K Frank, AlexandrosHeraclides, Ina Danquah, **George Bedu-Addo,** Frank P Mockenhaupt and Matthias B Schulze  Measures of general and central obesity and risk of type 2 diabetes in a Ghanaian population.  Tropical Medicine and International Health. Volume OO NO OO  doi:10.1111/tmi.12024 (2012)  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 6 | D Chadwick, M Ankorn, F Sarfo, R Phillips, Z Fox, A Garcia, L Appiah, **G Bedu-Addo,** and A.M Geretti  Outcomes of starting first-line antiretroviral therapy in hepatitis B virus/HIV- coinfected patients in Ghana  J AntimicrobChemother. Doi:10.1093/jac/dks333. 2012  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 7 | YaasirMamoojee, Grace Tan, Sandra Gittins, StephenSarfo, Lisa Stephenson, David Carrington, **George Bedu-Addo,** Richard Phillips, Lambert T Appiah and David Chadwick  Diagnosis of treponemal co-infection in HIV-infected West Africans  Tropical Medicine and International Health. doi:10.1111/j.1365-3156.2012.03090.x  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 8 | Ina Danquah, **George Bedu-Addo,** Karl-Johann Terpe, Frank Micah, Yaw A Amoako, Yaw A Awuku, Ekkehart Dietz, Markus van der Giet, Joachim Spranger , and Frank Mockenhaupt  Diabetes mellitus type 2 in urban Ghana: characteristics and associated factors.  BMC Public Health 2012, **12**:210 doi: 10.1186/1471-2458-12-210  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
| 9 | Ville Homlberg, PaiviOnkampo, Elisa Lahtela, PaiviLahermo, **George Bedu-Addo**, Frank P Mockenhaupt and SeppoMeri  Mutations of complement lectin pathway genes MBL2 AND MASP2 associated with placental malaria  Malarial Journal 2012, **11**: 61 doi: 10.1186/1475-2875-11-61  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 10 | Ina Danquah, **George Bedu-Addo,** and Frank Mockenhaupt.  Type 2 Diabetes Mellitus and Increased Risk for Malaria Infection.  Emerging Infectious Diseases.www.cdc.gov/eid.vol.16. No 10.  1601-1604 October 2010  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
| 11 | Antoinette K Tsefu, Oumar Gaye, KassoumKayentao, Richardo Thompson, Kirrhana M Bhatt, Sanie SS Sessey, Dorina G Bustos, EmelianaTjitra, **George Bedu-Addo,** IsabelleBorghini-Fuhrer, Stephanie Duparc, Chang Sik Shin, Lawrence Fleckenstein, and the Pyronaridine-artesunate Study Team  Efficacy and safety of a fixed-dose oral combination of pyronaridine-artesunate compared with artemeter-lumefantrine in children and adults with uncomplicated Plasmodium falciparum malaria: a randomised non-inferiority trial  Lancet 2010;375: 1457-67  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 12 | Lutz Hamann, Oliver Kumpf, Ron P Schuring, ErkanAlpsoy, **George Bedu-Addo,** Ulrich Bienzle, Linda Oskam, Frank P Mockenhaupt and Ralf R Schumann  Low frequency of the TIRAP S 108L polymorphism in Africa, and its potential role in malaria, sepsis, and leprosy  BMC Medical Genetics, 2009, Jul 14; 10:65 (electronic journal)  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 13 | Bart Ferwerda, Santos Alonso, Kathy Banahan, Matthew B. B McCall, Evangelos J. Giamarellos-Bourboulis, Bart P. Ramakers, Maria Mouktaroudi, Pamela R. Fain, NeskutsIzagirre, Din Syafruddin, Tudor Cristea, Frank .Mockenhaupt, MaritaTroye-Blomberg, Oliver Kumpf, BoubacarMaiga, AmaganaDolo, OgobaraDoumbo, SanthoshSundaresan, **George Bedu-Addo,** Reinout van Crevel, Lutz Hanamm, Djin-Ye Oh, Ralph R. Schumann, Leo A. B. Joosten, Concepcion delaRua, Robert Sauerwein, Joost P.H Drenth, Bart-Jan Kullberg, Andre J. A. M. van der Ven, Adrian V. Hill, Peter Pickkers, Jos W. M. van der Meer, Luke A. J. O,Neill, and Mihai G. Netea  Functional and genetic evidence that the Mal/TTRAP allele variant 180L has been selected by providing protection against septic shock.  ProcNatiAcadSci USA 2009 Jun 23;106(25);10272-7  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 14 | Elizabeth Parkins, Roger G. Owen, **George Bedu-Addo,** OheneOpare-Sem, Ivy Ekem, Yvonne Adomakoh, Imelda Bates  UK-based real-time lymphoproliferative disorder diagnostic service to improve the management of patients in Ghana.  J Hematop. 2009 Jul 9;2(3): 143-9  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
| 15 | Collini P, Schwab U, Sarfo S, Obeng-Baah J, Norman B, Chadwick D, Bibby D, **Bedu-Addo G,**  Sustained immunological responses to highly active anti- retoviral therapy at 36 months in a Ghanaian HIV cohort  Clin Infect Dis. 2009 Apr 1;48(7):988-91  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **5** |
| 16 | Danquah I, **Bedu-Addo G**, Mockenhaupt FP  Iron deficiency and Plasmodium infection during pregnancy.  J Infect Dis. 2008 Nov 15;198(10):1573-4  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
| 17 | MT Agyei-Frempong, E Nkansah, **G Bedu-Addo**andKOpare-Sem.  Incidence of paraproteinemia in hyperproteinaemic patients visiting the chemical pathology unit of the KomfoAnokye Teaching Hospital  Journal of Medical Sciences, 8(4): 378-383, 2008  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
| 18 | Imelda Bates, Daniel Ansong, **George Bedu-Addo**, Tsiri Agbenyega, Alex YO Akoto, Anthony Nsiah-Asare and Patrick Karikari  Evaluation of a learner-designed course for teaching health research skills in Ghana  BMC Medical Education 2007, **7**:18 doi:10.1186/1472-6920-7-18  **My contribution: Was involved in study design, how study was carried out and data analysis. Was also involved in the final write-up.** | **10** |
|  | **TOTAL** | **125** |

**3c**

**JOURNALS IN WHICH PAPERS ARE PUBLISHED**

1. Journal of Infection (in press)
2. Ghana Medical Journal
3. Journal of Infectious Diseases
4. Tropical Medicine and International Health
5. J AntimicrobChemother
6. BMC Public Health
7. Malarial Journal
8. Emerging Infectious Diseases
9. Lancet
10. BMC Medical Genetics
11. ProcNatAcadSci (PNAS) USA
12. J Hematop
13. Clin Infect Dis
14. Journal of Medical Sciences
15. BMC Medical Education

**4 EXHIBITIONS**

**Poster presentation**: Potential falsification of Vitamin A status among urban Ghanaians with type 2 diabetes and hypertension

Submitted for the annual meeting of the German Society of Nutrition in March, 2013

**Poster presentation**: Characteristics of type 2 diabetes mellitus in a tertiary health facility in Kumasi, Ghana

Presented at the 7th European Congress on Tropical Medicine & International Health, Barcelona, October 2011

**Poster presentation**: Relationship between anthropometric indices and type 2 diabetes in sub-Saharan Africa. 49th Scientific Congress of the German Nutrition Society,Freising-Weihenstephan (Munich), Germany

**Poster presentation**: Common genetic variants for type 2 diabetes in an urban population. 47th Annual Meeting of the European Diabetes Epidemiology Group (EDEG) of the European Association for the Study of Diabetes (EASD), Swansea, Wales: 12-15, May 2012

**Oral presentation**: Association of general and central obesity measures and type 2 diabetes risk in sub-Saharan Africa. 50th Scientific Congress of the German Association of Nutrition (DGE), Bonn, Germany: 20-22 March, 2013

**Poster presentation**:Nutritional behaviour and nutrient intake in Kumasi, Ghana

Nutritional patterns in urban Ghana and their relevance for type 2 diabetes

**Oral presentation**;

Potential falsification of vitamin Astatus among urban Ghanaians with type 2 diabetes mellitus and hypertension. 48th Annual Meeting of the European Diabetes Epidemiology Group.(EDEG) of the European Association for the Study of Diabetes (EASD) Potsdam, Germany; 13-16 April 2013

**5 CONFERENCES/SEMINARS AND WORKSHOPS**

* 1. Continuing Professional Development Symposium on Diabetes and Hypertension Management in Kumasi, 2012
  2. Attended “Heart Summit” at Sunyani, 2012
  3. Attended the Emerging Regions Support and PreceptorshipProgramme on CML at the Royal Liverpool University Hospital. July 2011
  4. Update course on lymphomas in Stockholm, Sweden 2009
  5. Continuing medical education programme/conference (Astra Zeneca Specialist Symposium), Cape Town, Republic of South Africa. May 2009
  6. Update course on TB/HIV Co-infection: Management and Diagnostics, September 2007

**6 LIST OF ALL OTHER PUBLICATIONS**

|  |  |
| --- | --- |
| **1** | **Bedu-Addo G.**  Cerebral toxoplasmosis in HIV/AIDS: a case report.  WAJM Vol 25 no 3, 252-253. July 2006 |
| **2** | **Bedu-Addo G.**  Chloroquine-induced bilateral ptosis.  Transactions of the Royal Society of Tropical Medicine and Hygiene100, 696-697. 2006 |
| **3** | Mockenhaupt Frank P, Hamman Lutz, von Gaertner Christian,  **Bedu-Addo George,** von KleinsorgenCordula, Schumann Ralf, Bienzle Ulrich.  Common Polymorphisms of Toll-Like Receptors 4 and 9 are associated with Clinical Manifestation of Malaria during pregnancy  The Journal of Infectious Diseases 194:000-000 2006 |
| **4** | Mockenhaupt Frank P, **Bedu-Addo George,** von Gaertner Christian, Boye Renate, Fricke Katrin, Hannibal Iris, KarakayaFiliz, Schaller Marieke, Ulmen Ulrike, Acquah Patrick, Dietz Ekkehart, EggelteTeunis and Bienzle Ulrich.  Detection and clinical manifestation of placental malaria in Southern Ghana.  Malaria Journal, **5**:119, 2006 |
| **5** | Polage Christopher, **Bedu-Addo George,** Owusu-Ofori Alex, Frimpong Enoch, Lloyd Western, Zurcher Emily, Hale Devon and Petti Cathy.  Laboratory use in Ghana: Physician Perception and Practice.  Am J. Trop Hyg, 75(3) pp. 526-531. 2006 |
| **6** | Martin-Peprah Ruby, Bates Imelda, **Bedu-Addo George,** Kwiatkowski Dominic.  Investigation of familial segregation of hyper reactive malarial splenomegaly in Kumasi, Ghana.  Transactions of the Royal Society of Tropical Medicine and Hygiene100, 68-73. 2006 |
| **7** | Allain JP, Owusu-Ofori S, **Bedu-Addo G.**  Donor management in a teaching hospital blood bank in West Africa  DevBiol (Basel) 120: 125-30 2005 |
| **8** | **Bedu-Addo, G,** Bates I.  Co-author of “Making the most of the Laboratory” in Principles of Medicine in Africa. 3rd Edition, 2004 |
| **9** | Hassall, O, **Bedu-Addo, G,** Adarkwa, M, Danso K, Bates I  Umbilical-cord blood for transfusion in children with severe anaemia in under-resourced countries.  The Lancet, 361, 678-679, Feb, 2003 |
| **10** | **Bedu-Addo G,** Bates I  Causes of massive tropical splenomegaly in Ghana  The Lancet, 360, 449-454, Aug, 2002 |
| **11** | Mockenhaupt F.P, Ulmen U, von Gaertner C, **Bedu-Addo G,** Bienzle U.  Diagnosis of Placental Malaria.  Journal of Clinical Microbiology, Vol, 40, No 1. p. 306-308. Jan, 2002, |
| **12** | Bates I, **Bedu-Addo G,** Jarrett R, Wallace S, Armstrong A, Sheldon J, Rutherford T  B-lymphotropic viruses in a novel tropical splenic lymphoma.  British Journal of Haematology.416, 112, 161-166. 2001. |
| **13** | Bates I, **Bedu-Addo G,** Rutherford TR  Extracting, storing and transporting whole blood DNA under tropical conditions.  J Clin Path 44, 605-6. 1991 |
| **14** | Bates I**, Bedu-Addo G,** Rutherford TR, Bevan DH  Splenic lymphoma with villous lymphocytes in Ghana.  Lancet 340, 575-577. 1992 |
| **15** | Krishna S, Agbenyega T, Angus BJ, **Bedu-Addo G,** Ofori-Amanfo G, Szwandt IS. O,Brien R, Stacpoole PW.  Pharmacokinetics and pharmacodynamics of dichloroacetate in children with lactic acidosis due to severe malaria.  QJM 88 (5) 341-9 1995 May. |
| **16** | Jimmy E, **Bedu-Addo G,** Bates I, Bevan D, Rutherford TR  Immunoglobulin gene PCR to distinguish hyper-reactive malarial splenomegaly from splenic lymphoma with villous lymphocytes and African chronic lymphocytic leukaemia .  Transactions of the Royal Society of Tropical Medicine and Hygiene 90, 3-39. 1996 |
| **17** | Bates I, **Bedu-Addo G,** Bevan D, Rutherford TR.  Circulating villous lymphocytes- a link between hyper-reactive malarial splenomegaly and splenic lymphoma.  Transactions of the Royal Society of Tropical Medicine and Hygiene 91, 171-4. 1997 |
| **18** | Agbenyega T, Angus B, **Bedu-Addo G, B**affoe-Bonnie B, Griffin G, Vallace P, Krishna S.  Plasma nitrogen oxides and blood lactate concentrations in children with malaria.  Trans R Soc Med Hyg.91 (3) 298-302. 1997 May-Jun. |
| **19** | Bates I, **Bedu-Addo G.**  Review of diagnostic criteria of hyper-reactive malarial splenomegaly  Lancet 349, 1178. 1997 |
| **20** | Bates I, Rumble R,  **Bedu-Addo G,** Adarkwa M  How to hone haematology skills.  World Health Forum 18, 355-8. 1997 |
| **21** | Bates I, **Bedu-Addo G**  Chronic malaria and splenic lymphoma: clues to understanding lymphoma evolution.  Leukaemia 11, 2162-2167. 1997 |
| **22** | **Bedu-Addo G,** Rutherford TR, Bevan D, Bates I  Splenic lymphoma with villous lymphocytes should be included in the differential diagnosis of massive splenomegaly.  Croatian Medical Journal 39 61-66. 1998 |
| **23** | Wallace S, **Bedu-Addo G,** Rutherford TR, Bates I  Serological similarities between hyper-reactive malarial splenomegaly and splenic lymphoma in West Af rica.  Transactions of the Royal Society of Tropical Medicine and Hygiene 92, 463-467. 1998 |
| **24** | Cowan G, Planche T, AgbenyegaT, **Bedu-Addo G,** Owusu-Ofori, Adabie-Appiah. Agranoff D, WoodrowC, Castell L, Elford B, Krishna S.  Plasma glutamine levels and *falciparum* malaria.  Transactions of the Royal Society of Tropical Medicine and Hygiene.93(6); 616-8. 1999. |
| **25** | Zhu D, Thompsett, **Bedu-Addo G,** Stevenson F, Bates I  VH gene sequences from a novel tropical splenic lymphoma reveal a naïve B cell as the cell of origin.  British Journal of Haematology, 107,114-120, 1999 |
| **26** | **Bedu-Addo G,** Sheldon J, Bates I  Massive splenomegaly in Tropical West Africa  Postgraduate Medical Journal 76, 107-109, 2000. |
| **27** | Opoku-Okrah C, Rumble R, **Bedu-Addo G,** Bates I  Improving microscopic quality is a good investment for under-resourced laboratories.  Transactions of the Royal Society of Tropical Medicine and Hygiene 94(5): 582. 2000. |
| **28** | Krishna Sanjeev, Planche Tim,AgbenyegaTsiri, Woodrow Charles, Agranoff Dan, **Bedu-Addo George,** Owusu-Ofori, Alex, Adabie-Appiah, John, RamanathanSurash, Mansor Sharif, and NavaratnamVisweswaran.  Bioavailability and preliminary clinical efficacy of intrarectalArtesunate in Ghanaian children with moderate malaria.  Antimicrobial agents and chemotherapy, p.509-516, Feb 2001 |
| **29** | Planche T, Agbenyega T, **Bedu-Addo G,** Ansong D, Owusu-Ofori A,  Micah F, Anakwa C, Asafo-Agyei, E,Hutson A, Stacpoole PW, Krishna S. A prospective comparison of malaria with other severe diseases in African children.  Clin Infect Dis. Oct 1; 37(7): 890-7. 2003 |
| **30** | Agbenyega T, PlancheT,**Bedu-AddoG,** Ansong D, Owusu-OforiA,Bhattaram VA, Nagaraja NV, Shroads AL, Henderson GN, Hudson AD,Derendorf H, Krishna S, Stacpoole PW  Population kinetics, efficacy, and safety of dichloroacetate for lactic acidosis. J ClinPharmacol. Apr;43(4):386-96. 2003 |

**COPIES OF SELECTED ARTICLES AND OTHER PUBLICATIONS FOR EXTERNAL ASSESSMENT**

**TABLE 2**

|  |  |
| --- | --- |
| **No** | **Publication** |
| **1** | **George Bedu-Addo,** Stefanie Meesse, Frank Mockenhaupt  Brief Report: AN AT2B4 polymorphism protects against malaria in pregnancy  Journal of Infectious Diseases 2013;207:1600-3 |
| **2** | **George Bedu-Addo,** Yaw AmpemAmoako, Imelda Bates  The role of bone marrow aspirate and trephine samples in haematological diagnoses in patients referred to the KomfoAnokye Teaching Hospital, Kumasi  Ghana Medical Journal, vol 7, Number 2, June 2012 |
| **3** | Ina Danquah, **George Bedu-Addo,** Karl-Johann Terpe, Frank Micah, Yaw A Amoako, Yaw A Awuku, Ekkehart Dietz, Markus van der Giet, Joachim Spranger , and Frank Mockenhaupt  Diabetes mellitus type 2 in urban Ghana: characteristics and associated factors.  BMC Public Health 2012, **12**:210 doi: 10.1186/1471-2458-12-210 |
| **4** | Ina Danquah, **George Bedu-Addo,** and Frank Mockenhaupt.  Type 2 Diabetes Mellitus and Increased Risk for Malaria Infection.  Emerging Infectious Diseases.www.cdc.gov/eid.vol.16. No 10.  1601-1604 October 2010 |
| **5** | Elizabeth Parkins, Roger G. Owen, **George Bedu-Addo,** OheneOpare-Sem, Ivy Ekem, Yvonne Adomakoh, Imelda Bates  UK-based real-time lymphoproliferative disorder diagnostic service to improve the management of patients in Ghana.  J Hematop. 2009 Jul 9;2(3): 143-9 |
| **6** | MT Agyei-Frempong, E Nkansah, **G Bedu-Addo**andKOpare-Sem.  Incidence of paraproteinemia in hyperproteinaemic patients visiting the chemical pathology unit of the KomfoAnokye Teaching Hospital  Journal of Medical Sciences, 8(4): 378-383, 2008 |
| **7** | Imelda Bates, Daniel Ansong, **George Bedu-Addo**, TsiriAgbenyega, Alex Osei-Akoto, Anthony Nsiah-Asare and Patrick Karikari  Evaluation of a learner-designed course for teaching health research skills in Ghana  BMC Medical Education 2007, **7**:18 doi:10.1186/1472-6920-7-18 |
| **8** | Ville Homlberg, PaiviOnkampo, Elisa Lahtela, PaiviLAhermo, **George Bedu-Addo**, Frank P Mockenhaupt and SeppoMeri  Mutations of complement lectin pathway genes MBL2 AND MASP2 associated with placental malaria  Malarial Journal 2012, **11**: 61 doi: 10.1186/1475-2875-11-6 |
| **9** | Laura K, Frank, AlexandrosHeraclides, Ina Danquah, **George Bedu-Addo,** Frank P Mockenhaupt and Matthias B Schulze  Measures of general and central obesity and risk of type 2 diabetes in a Ghanaian population.  Tropical Medicine and International Health. Volume OO NO OO  doi:10.1111/tmi.12024 (2012) |
| **10** | D Chadwick, M Ankorn, F Sarfo, R Phillips, Z Fox, A Garcia, L Appiah, **G Bedu-Addo,** and A.M Geretti  Outcomes of starting first-line antiretroviral therapy in hepatitis B virus/HIV- coinfected patients in Ghana  J AntimicrobChemother. Doi:10.1093/jac/dks333. 2012 |
| **11** | YaasirMamoojee, Grace Tan, Sandra Gittins, StephenSarfo, Lisa Stephenson, David Carrington, **George Bedu-Addo,** Richard Phillips, Lambert T Appiah and David Chadwick  Diagnosis of treponemal co-infection in HIV-infected West Africans  Tropical Medicine and International Health. doi:10.1111/j.1365-3156.2012.03090.x |
| **12** | Antoinette K Tsefu, Oumar Gaye, KassoumKayentao, Richardo Thompson, Kirrhana M Bhatt, Sanie SS Sessey, Dorina G Bustos, EmelianaTjitra, **George Bedu-Addo,** IsabelleBorghini-Fuhrer, Stephanie Duparc, Chang Sik Shin, Lawrence Fleckenstein, and the Pyronaridine-artesunate Study Team  Efficacy and safety of a fixed-dose oral combination of pyronaridine-artesunate compared with artemeter-lumefantrine in children and adults with uncomplicated Plasmodium falciparum malaria: a randomised non-inferiority trial  Lancet 2010;375: 1457-67 |
| **13** | Lutz Hamann, Oliver Kumpf, Ron P Schuring, ErkanAlpsoy, **George Bedu-Addo,** Ulrich Bienzle, Linda Oskam, Frank P Mockenhaupt and Ralf R Schumann  Low frequency of the TIRAP S 108L polymorphism in Africa, and its potential role in malaria, sepsis, and leprosy  BMC Medical Genetics, 2009, Jul 14; 10:65 (electronic journal) |
| **14** | Bart Ferwerda, Santos Alonso, Kathy Banahan, Matthew B. B McCall, Evangelos J. Giamarellos-Bourboulis, Bart P. Ramakers, Maria Mouktaroudi, Pamela R. Fain, NeskutsIzagirre, Din Syafruddin, Tudor Cristea, Frank Mockenhaupt, MaritaTroye-Blomberg, Oliver Kumpf, BoubacarMaiga, AmaganaDolo, OgobaraDoumbo, SanthoshSundaresan, **George Bedu-Addo,** Reinout van Crevel, Lutz Hanamm, Djin-Ye Oh, Ralph R. Schumann, Leo A. B. Joosten, ConcepciondelaRua, Robert Sauerwein, Joost P.H Drenth, Bart-Jan Kullberg, Andre J. A. M. van der Ven, Adrian V. Hill, Peter Pickkers, Jos W. M. van der Meer, Luke A. J. O,Neill, and Mihai G. Netea  Functional and genetic evidence that the Mal/TTRAP allele variant 180L has been selected by providing protection against septic shock.  Proc Nat AcadSci USA 2009 Jun 23;106(25);10272-7 |
| **15** | Collini P, Schwab U, Sarfo S, Obeng-Baah J, Norman B, Chadwick D, Bibby D, **Bedu-Addo G**  Sustained immunological responses to highly active antiretroviral therapy at 36 months in a Ghanaian HIV cohort  Clin Infect Dis. 2009 Apr 1;48(7):988-91 |

**7) RECORD OF SERVICE TO THE COMMUNITY (UNIVERSITY/NATIONAL/INTERNATIONAL)**

**Evaluation of my performance in service**

1. **The University**

**TABLE 3**

|  |  |  |
| --- | --- | --- |
| **No** | **Position held** | **Points** |
| **1** | Acting Dean, SMS October to December 2011 | **10** |
| **2** | Vice-Dean, SMS 2010/2011, 2012/2013 academic year | **15** |
| **3** | Chairman, subcommittee of planning and resource committee to review proposals for the MSc in Pharmaceutical Technology and MSc in Occupational Health  February, 2012 | **8** |
| **4** | Member, Committee for the Proposed University Teaching Hospital, 2011 | **5** |
| **5** | Head of Department of Medicine in the School of Medical Sciences. October, 2004-2007 and then 2009 to date | **10** |
| **6** | Chairman, University Health Services Management Committee 2007- 2009 | **10** |
| **7** | Hall Master, KATH Hostels of Residence 2007-2009 | **30** |
| **8** | Member, sub-committee of the planning and resource committee to consider the affiliation of Central University College for BSc Physician Assistantship Programme. 2010 | **8** |
| **9** | Moderator, KNUST/Central University Physician Assistant Program 2011/12/13 | **8** |
| **10** | Member, Estate Organisation Management Committee 2010 | **6** |
| **11** | Clinical Coordinator, School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi. October, 2002-2007 |  |
| **12** | Member of Board, School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi. October, 2002-date | **6** |
| **13** | Member of Academic Board, Kwame Nkrumah University of Science and Technology, Kumasi. October, 2002-September 2007, August 2009 | **6** |
| **14** | Member of School of Medical Sciences Admissions Committee. 2002-date |  |
| **15** | Member of the Committee on Human Research, Ethics and Publications of the School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Kumasi. October, 2002-date | **4** |
| **16** | Member, Welfare Services 2011 | **4** |
| **17** | Member, College of Health Sciences Board 2011/2012, 2012/2013 | **6** |
|  | **TOTAL** | **152** |

**Service to National Community**

**TABLE 4**

|  |  |  |
| --- | --- | --- |
| **No** | **Position held** | **Points** |
| 1 | External assessor for Dr Ben Gyan for promotion to the rank of Associate Professor in Noguchi Memorial Institute for Medical Research 2012 | **10** |
| 2 | Chief examiner, Faculty of Internal Medicine, Ghana College of Physicians and Surgeons 2011/2012/2013 | **10** |
| 3 | Chief (external) examiner, Department of Medicine, University of Development Studies School of Medicine  February, 2012 | **10** |
| 4 | Resource person for accreditation of hospitals for the Medical and Dental Council 2009/2010/2011 |  |
| 5 | Member, Fellowship Review Committee (2011) of Ghana College of Physicians and Surgeons | **6** |
| 6 | Member of the search committee for the appointment of Rector of the Ghana College of Physicians and Surgeons 2010 | **6** |
| 7 | Resource person for the National Blood Transfusion Service | **6** |
| 8 | External examiner to School of Allied Health Sciences, College of Health Sciences, University of Ghana 2006, 2007, 2009 | **10** |
| 9 | External examiner to University of Ghana School of Research and Graduate studies. 2006, 2008, 2010, 2012 | **10** |
| 10 | Examiner, Ghana College of Physicians and Surgeons 2005 to date | **10** |
| 11 | External examiner, University of Ghana Medical School 2009 to date | **10** |
| 12 | External Examiner for 2009/10 Second Semester Examinations of the Department of Laboratory Technology University of Cape Coast | **10** |
| 13 | Member of National Medical Team, Cup of Nations. 2008 | **6** |
|  | **TOTAL** | **104** |

**International:**

**TABLE 5**

|  |  |  |
| --- | --- | --- |
| **No** | **Position held** | **Points** |
| **1** | Honorary Fellow of the Royal College of Physicians of London.2004 to date |  |
| **2** | Reviewer for ActaTropica. 2007 | **10** |
| **3** | Reviewer for Transactions of the Royal Society of Tropical Medicine and Health. 2009 | **10** |
| **4** | Reviewer for Annals of Tropical Medicine and Parasitology, 2009 | **10** |
| **5** | Resource person for West African College of Physicians, revision course 2009 | **6** |
| **6** | Appointment as examiner for the October 2010, 2012 Fellowship examinations of the West African College of Physicians | **10** |
|  | **TOTAL** | **46** |

**Total score for point-earning services = 302**

**8)My evaluation of my performance in the following areas of attainment with reasons and justification**

**a)Teaching**

Internal Medicine

Clinical students since 2001

Postgraduate students (Residents) Internal Medicine since 2000

**Lecture /teaching load:**

2 hours lecture per week

4 hours of ward teaching per week

2 hours tutorials per week

**Justification:** My contribution to teaching in the Department of Medicine can only be rated as high. As head of department, I have introduced innovative ways of teaching. The following are reasons why I believe that my teaching services should be rated as **high**:

**Table 6**

|  |  |  |
| --- | --- | --- |
| **No** | **Activity** | **Points** |
| 1 | Lecture and teaching load  I have attended all my lectures, tutorial and seminars punctually. I hardly miss lectures. | **10** |
| 2 | My lecture notes are updated regularly and the lectures are delivered using modern teaching methods such as audio-visual aids. | **10** |
| 3 | Learning outcomes are set and I give the students assignments weekly and they have found it very useful. This helps me to identify what is and what is not essential. | **10** |
| 4 | Logbook of outcomes achieved has been provided. These logbooks are used to check –off the conditions the students have seen, examinations they have undertaken and procedures they have observed or procedures they have undertaken | **10** |
| 5 | I am always available on the wards to guide students with their clinical work. I go out of my way to identify weak students for extra teaching. | **10** |
| 6 | The syllabus is completed on schedule long before final examinations are conducted | **10** |
| 7 | The final examination questions are scrutinized by the departmental examination board with me (HOD) as the Chair of the committee. I submit the questions to the head of “EXTERNALS”for their comments. Every internal examiner submits his/her questions with an accompanying marking scheme which is scrutinized by the departmental examination board. I supervise the organisation of examinations and I ensure that the examinations are up to international standards. The external examiners have commended the department for the efficient manner in which the examinations are conducted. | **10** |
| 8 | I supervise postgraduate projects for the award of the West African College of Physicians Fellowship | **10** |
| 9 | Student feedback on clinical teaching is obtained by a series of interviews. I plan to gather more information by means of departmental evaluation questionnaires which students would be required to fill at the end of their rotation. | **10** |
| 10 | I am deeply involved in the organisation of postgraduate programmes in Internal Medicine. I encourage self-study and time management to ensure that the required reading and experience for the next stage of their training is completed on schedule. I do bed side teaching regularly and also moderate the “dough-nut rounds”. | **10** |
|  | **TOTAL** | **100** |

**Total score for point-earning services = 302**

Despite being an under-resourced department, I have been able to schedule lectures and tutorials for the academic staff without disruption to service delivery to patients.

**Evaluation of performance in teaching: High**

**Promotion of knowledge**

**Research**

I have conducted high quality research in the areas of haematology, diabetes mellitus and malaria. My research in haematology led to the discovery of Tropical Splenic Lymphoma.

My research into big spleens led to the review of the diagnostic criteria for hyper-reactive malarial splenomegaly which was published in the Lancet. My extensive knowledge in massive splenomegaly has been disseminated nation-wide.

I use my experience in haematology to facilitate workshop sessions for the national blood transfusion service.

My publications have been cited in a number of journals published by Elsevier.

**Refer to section 3C**

This gives details of research conducted and publications arising from the research

**Evaluation of promotion of knowledge: High**

**Service:**

**Evaluation of my performance in service: High**

**The University: Refer to table 3**

**Service to national community:Refer to table 4**

**International community: Refer to table 5**

**Evaluation of service: High**

**SUPPORTING PAPERS**