

**Director for Biostatistics, Core D**

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Gideon KD Zamba		POSITION TITLE Associate Professor	
eRA COMMONS USER NAME (credential, e.g., agency login) ZAMBAG			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Universite du Benin, Lome-Togo, West Africa	MS-BS	1995	Applied Mathematics
School of Statistics, University of Minnesota	MS	2003	Statistics
School of Statistics, University of Minnesota	PhD	2003	Statistics

**A. Personal Statement.**

**B. Positions and Honors.**

**Positions and Academic Appointments**

- 2003-2004 Visiting Assistant Professor, Department of Biostatistics, The University of Iowa College of Public Health
- 2004-2006 Assistant Professor (Clinical), Department of Biostatistics, The University of Iowa College of Public Health
- 2005- Assistant Professor (Joint Appointment), Biostatistics Core, Holden Comprehensive Cancer Center, The University of Iowa
- 2006-2012 Assistant Professor (Tenure-track), Department of Biostatistics, The University of Iowa College of Public Health
- 2012- Associate Professor, Department of Biostatistics, The University of Iowa College of Public Health

**Honors and Awards**

- 1997 Distinguished Instructor Award; Kouvahey College, Lome-Togo, West Africa
- 2000 Winner of a NSF Travel Award to attend the First Midwest Conference in Experimental Design in Columbus, OH
- 2001 Winner of the Society of Industrial and Applied Mathematics travel award to attend the First International Conference in Data Mining in Chicago, IL
- 2002 Excellence in Teaching Award; University of Minnesota, School of Statistics
- 2011 Faculty Teaching Award, University of Iowa College of Public Health
- 2012-14 Teaching Scholar Program, University of Iowa Carver College of Medicine

**C. Selected peer-reviewed publications** (Published under author name Zamba KD and Zamba G) (most recent)

1. Lorentzen D, Durairaj L, Pezzulo AA, Nakano Y, Launspach J, Stoltz DA, Zamba GJ, McCray PB, Zabner J, Welsh MJ, Nauseef WM, Botond B. (2011) Concentration of the antibacterial precursor thiocyanate in cystic fibrosis airway secretions. *Free Radical Biology & Medicine*, 50(9), 1144-1150. PMC: PMC3070840, PMID: 21334431
2. Kay CN, Pavan PR, Small LB, Zhang T, Zamba GJ, Cohen SM. (2011) Familial trends in a population with macular holes. *Retina*, 32(4), 754-759. PMID: 22080908
3. Jacobson G, Zamba GJ, Betts V, Muruganandham M, Buechler J. (2011) Image-based treatment planning of the post-lumpectomy breast utilizing CT and 3TMRI. *International Journal of Breast Cancer, Epub 2011*, 2011:246265. PMC: PMC3262557, PMID: 22295215
4. Zamba GJ, Adekpedjou A. (2011) Parameter estimation for correlated recurrent events under informative monitoring. *Statistical Methodology*, 8, 273-290.
5. Adekpedjou A, Zamba GJ. (2012) A chi-squared goodness of fit test for recurrent event data. *Journal of Statistical Theory and Application*, 11(2), 97-119.
6. Zamba GJ, Adekpedjou A, Yang M. (2012) Inter-event times estimation for correlated recurrent event data under informative monitoring. *South African Journal of Statistics*, 46, 155-184.
7. Sullivan RM, Zhang J, Zamba GJ, Lip GY, Zimmerman MB, Olshansky B. (2012) Relation of gender specific risk of ischemic stroke in patients with atrial fibrillation to differences in Warfarin anticoagulation control (from AFFIRM). *American Journal of Cardiology*, 110(12), 1797-1802. PMID: 22995971
8. Santillon M, Santillon D, Fleener D, Stegmann B, Zamba GJ, Hunter S, Yankowitz J. (2012) Single umbilical artery: Does side matter? *Fetal Diagnosis and Therapy*, 32(3), 207-208. PMID: 22678110
9. Zamba GJ, Tsiamyrtzis P, Hawkins DM. (2013) A three-state recursive sequential Bayesian algorithm for biosurveillance. *Journal of Computational Statistics and Data Analysis*, 58(1), 82-97.
10. Abusin G, Abu-Arja R, Gingerich R, Silverman M, Zamba GJ, Schlueter A. (2013) An algorithm for utilizing perihelal blood CD34 count as a predictor of the need for autologous stem cell mobilization - cost effectiveness analysis. *Journal of Clinical Apheresis*, 28(4), 293-300. PMID: 23426644
11. Yang M, Zamba GJ, Cavanaugh JE. (2013) Markov regression models for count time series with excess zeros: A partial likelihood approach. *Statistical Methodology*, 14, 26-38.
12. Menda Y, Bolles Ponto LL, Schultz MK, Zamba GJ, Watkins GL, Bushnell DL, Madsen MT, Sunderland JJ, Graham MM, O'Dorisio TM, O'Dorisio SM. (2013) Repeatability of 68Ga-DOTATOC PET imaging in neuroendocrine tumors. *Pancreas*, 42(6), 937-943. PMC: PMC3898770, PMID: 23587853
13. Wall M, Doyle CK, Artes P, Johnson C, Zamba GJ. (2013) The repeatability of mean defect with size III and size V standard automated perimetry. *Investigative Ophthalmology & Visual Science*, 54(2), 1345-1351. PMID: 23341012
14. Muniz V, Barnes J, Paliwal S, Zhang X, Tang X, Chen S, Zamba GJ, Cullen J, Meyerholz D, Meyers S, Davis N, Grossman S, Henry M, Quelle D. (2011) The ARF tumor suppressor inhibits tumor cell colonization independent of p53 in a novel mouse model of pancreatic ductal adenocarcinoma metastasis. *Molecular Cancer Research*, 9(7), 867-877. PMC: PMC3140613, PMID: 21636682
15. Krishna IS, Grout RW, Wilson JM, Cook-Granroth JE, Zamba GJ, Hoffman EA. (2013) Repeatability and sample size assessment associated with computed tomography-based lung density metrics. *Academic Radiology*. (In Press)

**D. Research support**

Ongoing Research

5 P30 CA086862 (PI: George J. Weiner)

National Cancer Institute

7/14/00-3/31/16

Cancer Center Support Grant

Role: Biostatistician

This Cancer Center Support Grant is to support the Research activities of the University of Iowa Cancer Center.

5 R01 MH0864821

2/1/11-12/31/15

US Dept. of Veteran's Affairs, Iowa City VAMC

Combined Illness Management and Psychotherapy in Treating Depressed Elders

PI: Turvey, Carolyn

Role: Co-PI (Biostatistician)

VA Contract

10/1/10-6/30/15

US Dept. of Veteran's Affairs, Iowa City VAMC

IPA for Applied Research

PI: Zamba, Gideon

Role: PI

5 R01 CA167632 (PI: M. Sue O'Dorisio and Yusuf Menda)

National Cancer Institute

8/1/12-6/30/17

Image Guided Diagnosis and Therapy of Neuroendocrine Tumors

Role: Co-Investigator

The goals are to determine safety and efficacy of Ga-DOTATOC PET imaging and Y-DOTATOC Therapy in children and adults with neuroendocrine tumors.

5 R18 HS018396 (PI: Marcia Ward)

AHRQ

8/1/12-7/31/15

Evaluation of TeamSTEPPS Implementation for Community Hospital Patient Safety

Role: Co-Investigator

This study is designed to prospectively evaluate in community hospitals the elements of the TeamSTEPPS approach including organizational readiness, culture, training effectiveness, implementation strategies and fidelity, staff behaviors, burden/cost, and outcomes to identify the elements that are most important for success.

5 T15 HL097622 (PI: Gideon Zamba)

8/20/09-2/28/16

NIH

Iowa Summer Institute in Biostatistics (ISIB)

Role: PI

There is a nationwide shortage of biostatisticians and the shortage is having a negative impact on medical and public health research. The goal of this proposed program is to increase the number of minority undergraduates who enter graduate programs in Biostatistics or related areas. Instruction will be through case-based instruction of real biomedical research; computer laboratory training; projects; and clinical and translational research enrichment activities.