

John Kalu Osiri

WSU Research and Technology Park, 1345 NE Terre View (Suite G-1E), Pullman, WA 99163

EDUCATION

Post-Doctoral Fellow, Aug. 2010

AACSB Academically Qualified “AQ” Faculty in International Business and Entrepreneurship

(Post-Doctoral Mentors: Professors Linda Clarke and Dean John Kraft)

Hough Graduate School of Business, Warrington College of Business Administration

University of Florida (UF), Gainesville, FL

Doctor of Philosophy in Analytical Chemistry, Oct. 2009 (GPA: **4.0/4.0**)

Dissertation: “*Platforms and Protocols for the Multidimensional Microchip Electrophoretic Analysis of Complex Proteomes*” (Ph.D. Advisor: Professor Steven A. Soper)

College of Science

Louisiana State University (LSU), Baton Rouge, LA

Bachelor of Science in Chemistry, May 2005 (GPA: **3.84/4.0**)

Grambling State University (GSU), Grambling, LA

(Undergraduate Mentors: Professors Allen Miles, Dean Danny Hubbard, and Provost Connie Walton)

Associate Degree in Marketing and Business Studies, Oct. 1999

Petroleum Training Institute (PTI), Warri, Nigeria

COMMUNITY INVOLVEMENT

Mentor – Department of Social and Health Services/Juvenile Rehabilitation Administration

Pullman/Moscow Coordinator – World Computer Exchange

PROFESSIONAL SERVICE

Business Advisor, Counselors for America’s Small Business, (or SCORE)

Associate Editor, International Journal of Advancements in Technology (IJoAT)

Business Advisor, Counselors for America’s Small Business, (or SCORE)

First-time Reviewer, Academy of Management (AOM):

Business Policy & Strategy (BPS)

Entrepreneurship (ENT)

Technology & Innovation Management (TIM)

Member of the Editorial Review Board, Allied Academies:

Academy of Entrepreneurship Journal (AEJ)

Academy of Strategic Management Journal (ASMJ)

International Journal of Entrepreneurship (IJE)

Academy of Marketing Studies Journal (AMSJ)

EXPERTISE AND RESEARCH INTERESTS

Academic Entrepreneurship, Technology Transfer and Commercialization of Technology and Innovative Ideas (including Biotech and Healthcare offerings)

BUSINESS EXPERIENCE

Workshop Leader: Train owners on ‘How to Write a Business Plan’ and ‘How to Start a Business.’

Founder, Osiri.Org – Consulting & Business Services

SKILLS

Languages: Fluent in English, Igbo (Nigeria), and Fon (Benin); conversant in French;

Leadership Style: Initiator, motivator, mediator, and collaborator

POSITIONS AND ACADEMIC EXPERIENCE

Assessment Faculty, College of Business, Washington State University, (Feb. 2011 – Present)

- Learning goals assessment, educational innovation, and program evaluation
- Assessing students' experience to ensure assurance of learning as required by AACSB
- Working with Director of Graduate Programs to analyze data for MBA/PhD program assessments
- Making recommendations based on analysis and results

Adjunct Faculty of Strategy, College of Business, Washington State University, (Aug. 2010 – Present)

- Teaching a capstone course - Business Strategy and Policy (Mgt 491; Fall 2010)
- Teaching a course in International Management - (Mgt 453; Summer 2011)
- Developed an MBA-level Strategic Marketing course (Mkt 506; Spring 2011)
- Identified and developed effective and innovative pedagogies

Post-Doctoral Research Associate, Voiland School of Chemical Engineering and Bioengineering, Washington State University (*Engaged in Biotech Research*), Dec. 2009 – Nov. 2010

- Worked on developing microchip devices for the early, ultra-trace detection of cardiac biomarkers with potential clinical application in heart-disease diagnoses and prognoses
- Managed research laboratories in the chemical engineering department where protein biotechnological studies are conducted
- Supervised and directed a group of undergraduate and graduate students on various biotechnological projects

Research Assistant, College of Science, Louisiana State University (*Engaged in Biotech Research*), Aug. 2006 – Dec. 2009

- Cleanroom certified and trained for resist-based and lithography experiments and applied knowledge to develop of conductive polymer electrodes for biomolecule detection
- Designed, fabricated, and assembled polymer-based systems for capillary electrophoretic separation of analytes for disease diagnostics
- Demonstrated independence and established relationships with collaborators on various projects

Teaching Assistant, College of Science, Louisiana State University, Aug. 2005 – Dec. 2009

- Taught and supervised General Chemistry Laboratory courses (4 semesters)
- Provided mentorship and guidance for junior graduate students who were accepted in the Soper Research Group laboratories (4 semesters)
- Collaborated with a visiting professor from Japan to construct and maintain a two-color laser induced fluorescence instrument for DNA and protein detection/analysis (1 semester)

Vice President, Student Government Association (SGA), GSU, June 2004 – Aug. 2005

- Conducted senate meetings to discuss both academic and non-academic concerns of students
- Represented students at the Louisiana Board of Regents meeting on tuition increases, committees for facility improvement, committees for student disciplinary actions, and search committees
- Raised campus awareness for SGA-sponsored events, projects, and activities
- Leveraged my position to recruit students for the university from high schools and abroad

BUSINESS PUBLICATIONS – Peer-reviewed

- “Impact of Bureaucracy Type and Proximity to Technology Clusters on University Start-ups” (*Target outlet: Journal of Business Venturing*)
- “How Do Institutional, Financial, and Human Capital Factors Affect University Start-ups?” (working paper with Linda Clarke; *target outlet: Journal of Business Venturing*)
- “Developing Social Entrepreneurs for Developing Pan-African Nations,” *Business Renaissance Quarterly*, 4, 2, 2009, 41 – 57, ISSN 1930 7462 (L. C. Prieto and J. Gilmore)
- “Environmental Leadership Development: A Framework for Designing and Evaluating a Training Program,” *European Journal of Social Sciences*, 9, 4, 2009, 583 - 593 (with L. C. Prieto and J. Gilmore)
- “Linking Workplace Diversity to Organizational Performance,” *Journal of Diversity Management*, 4, 4, 2009, 13 – 21 (with L. C. Prieto and S. T. Phipps)

SELECTED BUSINESS WORKSHOPS AND PRESENTATIONS

- **Presenter**, ‘*Writing a Business Plan*’ workshop, Counselor for America’s Small Business (SCORE) Spokane, WA, November 10th, 2010
- **Presenter**, ‘*How to Start a New Business*’ workshop, Counselor for America’s Small Business (SCORE) Spokane, WA, November 3rd, 2010 and February 2nd, 2011.
- **Presenter**, “Dynamics in Academic Entrepreneurship” The Allied Academies International Conference (Academy of Entrepreneurship), Las Vegas, NV, October 13 – 15
- **Presenter**, “How Do Financial, Institutional, and Human Capital Factors Affect University Start-ups?” Post-Doctoral Research Seminar, Warrington College of Business Administration, University of Florida, Gainesville, FL, August 22th, 2010.
- **Participant**, ‘*Marketing in the Real World of Small Business*’ seminar, Small Business Development Center, WSU, Spokane, WA, August 10th, 2010
- **Presenter**, “Company Analysis of Trinity Solar, Inc: Expansion Prospects and Opportunities in Nigeria,” International Business Seminar, Warrington College of Business Report Administration, University of Florida, Gainesville, FL, June 12th, 2010
- **Presenter**, “Commercial Real Estate Return Performance: A Cross-Country Analysis” by David Ling and Andy Naranjo, International Business Seminar, Warrington College of Business Administration, University of Florida, Gainesville, FL, June 13th, 2010

SCIENTIFIC PUBLICATIONS – Peer-reviewed

- John K. Osiri *et al.*, 2010, “Cyclic Olefin Copolymer-based Micro-fabricated Chip with Integrated Conductive SU-8 Electrodes,” (under internal review)
- John K. Osiri, Hamed Shadpour and Steven A. Soper, 2010, “Integrated Multifunctional Microfluidics for Automated Proteome Analysis: A Review” (under internal review)
- Akira Kotani, John K. Osiri, *et al.*, 2010, “Microchip Electrophoresis for EndoV / DNA ligase Mutation Scanning Assay of p53 Mutations,” *Analytical Chemistry*, (submitted)
- John K. Osiri and Hamed Shadpour, 2010, “Toward Point-of-Care Microchip Profiling of Proteins,” Special Issue – *Bioanalysis*, 2, 10, 1745-1754 (invited review)
- John K. Osiri, Hamed Shadpour and Steven A. Soper, 2010, “Ultra-fast Two-dimensional Microchip Electrophoresis using SDS μ -CGE and Microemulsion Electrokinetic Chromatography for Protein Profiling,” *Analytical and Bio-Analytical Chemistry*, 398, 489-498
- Udara Dhamasiri, Makgorzata Witek, Andre A. Adams, John K. Osiri, *et al.*, 2010, “Enrichment and Detection of Escherichia coli 0157:H7 using Membrane-Specific Antigen Modified Microfluidic Chip,” *Analytical Chemistry*, 82, 7, 2844 – 2849
- John K. Osiri and Steven A. Soper, 2008, “Challenges in High Resolution Multi-dimensional Electrophoresis for Proteomics: From the Macro- to Micro-Scale,” *American Electrophoresis Society Newsletter*, 13 (3) 2-3
- John K. Osiri, *et al.*, 2008, “Generating High Peak Capacity 2-Dimensional Maps of Complex Proteomes Using Poly (methylmethacrylate) Microchip Electrophoresis”, Special Issue: Miniaturization – *Electrophoresis*, 29, 4984-4992 (cover article)
- Shawn L. Llopis, John Osiri, and Steven A. Soper, 2007, “Surface Modification of Poly (methylmethacrylate) Microfluidic Devices for High-Resolution Separations of Single-stranded DNA,” Special Issue - *Electrophoresis*, 28 (6), 984-993

SELECTED SCIENTIFIC ABSTRACTS AND CONFERENCES

Abstract, “Fully Integrated Micro-Systems for the Analysis of Integral Membrane Proteins” by Steven A. Soper, John K. Osiri, *et al.*, MASSEP Discussion Group, Genzyme Corp., 153 Second Avenue, Waltham, MA, April 27th, 2010 (Presented by Prof. Steven A. Soper)

Invited Speaker, “Polymeric Microfluidic Platforms for Protein Separation,” Micro/Nanofluidic Symposium - 237th American Chemical Society National Meeting & Exposition, Salt Lake City, UT, June 2009

Attendee, Jornadas de Análisis Instrumental (JAI) and Expoquimia, Barcelona, Spain, 2008

Invited Speaker, “Research at LSU – Capabilities and Efforts in the Soper Research Group,” Department of International Relations, Escuela Técnica Superior de Ingenieros Agrónomos, Universidad Politécnica de Valencia, Spain, Oct. 2008

Invited Speaker, “Capture and Enumeration LNCaP Cell Using Aptamer Immobilized PMMA Microsampling Unit,” Instituto de Química Molecular Aplicada, Departamento de Química, Universidad Politécnica de Valencia, Valencia, Spain, October 2008

Award Recipient, The 25th American Electrophoresis Society (AES) Annual Meeting in conjunction with the 100th American Institute of Chemical Engineers (AIChE) Annual Conference, Philadelphia, Pa, 2008

SELECTED AWARDS AND HONORS

Warrington College of Business Administration/AACSB-International “AQ” Certification, Aug. 2010

The LSU Charles E. Coates Travel Award, Feb. 2009

The American Electrophoresis Society and General Electric Travel Award, Nov. 2008

Visiting Scholar at Universidad Politécnica de Valencia, Spain and recipient of Teaching Staff Mobility Programs Academic Report, Oct. 2008

Alpha Kappa Alpha Educational Advancement Scholarship Recipient, Oct. 2007

LSU Graduate Student Assistantship Recipient, 2005 - 2009

GSU Student Government Outstanding Service Award as Vice President, 2005

GSU Chemistry Club Outstanding Graduating Senior Award, 2005

GSU Presidential Accountability Scholarship Recipient, 2004

Named Who is Who in American Colleges and Universities, 2004

AFFILIATIONS

Academy of Management, 2010 – present

Allied Academies, 2010 – present

WSU Research and Technology Park, 2010 – present

Small Business Development Center – Collaborator, 2010 – present

SCORE Counselors to America’s Small Business – Business Counselor, 2010 – present

WSU NIH Protein Biotechnology Training Program, 2009 – 2010

Phi Kappa Phi (International Honor Society) – Life Member, 2008 – present

American Academy for the Advancement of Science, 2008 – present

Chemistry Graduate Student Council, President, 2006 – 2007

Alpha Phi Alpha Fraternity, Inc., 2004 – present

American Chemical Society, 2003- present

The Petroleum Training Institute Alumni, Nigeria, 1999 – present

Alpha Lambda Honors Society, inducted in 2003

International Student Organization, President, 2004 – 2005

AACSB-SANCTIONED POST-DOCTORAL COURSEWORK

Economics of Business Decisions

Entrepreneurship

International Business

Strategic Management

Teaching with the Case Method

Business Research Tools

Teaching in Business Schools

Business Ethics and Corporate Social Responsibility

Teaching Entrepreneurship

Teaching with the Electronic Platform

Research Topics

-Sanford Berg

-Linda Clarke

-Andy Naranjo

-John Kraft

-Frederick D. Sturdivant

-Jason Colquitt, Joe Alba

-Sandford Berg, Jenny Tucker

-Virginia Maurer

-William Rossi

-Craig Tapley

-*Independent Study*