

## **BIOGRAPHICAL SKETCH**

**Last name:** Afeli

**First name:** Serge

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### **A- EDUCATION**

NASBITE (National Association of Small Business International Trade Educator)	CGBP (certified global business professional)	International Business	June 2013
University of South Carolina	PhD degree	Pharmaceutical sciences	May 2013
Kansas State University	B.S degree	Physical Sciences	December 2007
Kansas State University		Pre-pharmacy curriculum	May 2008

### **B. POSITIONS AND HONORS**

#### **Positions and Employment**

**July 2014- Present:** Assistant Professor at Presbyterian College School of Pharmacy

Class taught: 1- PHRM 6104 (Principles of human genetics and pharmacogenomics)

2- PHRM 7105 (Neurosensory)

3- PHRM 6203 (Renal)

4- PHRM 6204 (Cardiovascular I)

5- PHRM 5203 (Principal of pathophysiology)

**August 2013- Present:** Adjunct faculty at Newberry College

Class taught: 1- Chemistry 101(Lecture and Lab)

2- Chemistry 102 (Lecture and Lab)

3- Biology 320 (Pharmacology and Toxicology)

**August 2013- Present:** Adjunct faculty at Presbyterian College

Class taught: 1- Chemistry 111 Lab

2- Chemistry 112 Lab

3- Chemistry 222 Lab (Organic Chemistry)

**May 2013 – June 2013:** Postgraduate Intern at Nephron Pharmaceutical Corporation, Orlando FL.

**January 2013 – May 2013:** Graduate Teaching Assistant, Department of Biology at the University of South Carolina, College of Pharmacy, Columbia, SC

**January 2009 – May 2013:** Graduate Research Assistant, Department of Drug Discovery and Biomedical Sciences at the University of South Carolina, College of Pharmacy, Columbia, SC

**August 2008 – December 2008:** Pharmacy Technician at Wamego Drug store, Wamego, Kansas

**May 2007 – August 2008:** Mentor and Academic tutor of General Chemistry, Organic Chemistry, Calculus, Biology, and Physics, at the Student Services for Intercollegiate Athletics, Kansas state university, Manhattan, Kansas

**July 2014 – Present:** Ad'oc reviewer for the American Journal of Pharmaceutical Education (AJPE)

**August 2014 – Present:** Ad'oc reviewer for the Journal of Pharmaceutical Sciences and Pharmacology (JPSP)

**January 2015 – Present:** Editorial board member for Bioaccent pharmaceutical research journal

### **Professional Memberships**

**2010 – 2013:** American Physiological Society

**2010 – 2012:** Founder and first president of the College of Pharmacy Graduate Student Association (CPGSA)

**2010 – Present:** Member of the National Black Graduate Student Association (NBGSA)

**2012 – 2013:** Treasurer-elect of the National Black Graduate Student Association (NBGSA)

**2014 – Present:** Member of the American Association of Pharmaceutical Scientists (AAPS)

**2014 – Present:** Member of the American Association of College of Pharmacy (AACCP)

### **Honors**

- 1- Graduate Student of the year Award from the department of Drug Discovery and Biomedical Sciences at the South Carolina College of Pharmacy (May 2013)
- 2- Scholar Award from the Black graduate student association of the University of South Carolina (2012)
- 3- First place award for best poster competition at the 24<sup>th</sup> National Black graduate student conference (2012)
- 4- Second place award for best doctoral level oral presentation at the 23<sup>rd</sup> National black graduate student conference (2011)
- 5- Winner of the Bob and Lila Snell award of the Kansas state athletics in 2007
- 6- All-Academic Men's basketball First Team of the BIG XII conference in 2007
- 7- BIG XII conference Commissioner's Honor Roll in Spring 2006
- 8- BIG XII conference Commissioner's Honor Roll in Fall 2006

### **C- ADDITIONAL INFORMATION**

- Fluent in French and English
- Former College Basketball Player at Kansas State University (2005 – 2007)
- Former member of the Ivory Coast National Basketball team (2002 – 2008)

## D. SELECTED PEER-REVIEWED PUBLICATIONS

1. **Afeli, S.**, Malysz, J., and Petkov, G.: Molecular expression and pharmacological evidence for Kv7 channel subtypes regulating detrusor smooth muscle function *in vitro*. PLoS One. 2013 Sep 20;8(9):e75875. doi: 10.1371/journal.pone.0075875. eCollection 2013
2. Malysz, J., **Afeli, S.**, Petkov, G.: Ethanol-mediated relaxation of guinea pig urinary smooth muscle: Involvement of BK and L-type Ca<sup>2+</sup> channels. Am J Physiol Cell Physiol. 2014 Jan 1;306(1):C45-58. doi: 10.1152/ajpcell.00047.2013. Epub 2013 Oct 23
3. **Afeli, S. A.**, Rovner, E., Petkov, G.: Activation of beta3 adrenergic receptors decreases nerve-evoked contractions in human detrusor smooth muscle isolated strips: Role of BK channels. Urology. 2013 Jul 25. PMID: 23890664
4. Hristov, K. L., **Afeli, S. A.**, Parajuli, S. P., Cheng, Q., Rovner, E., Petkov, G. V.: Neurogenic detrusor overactivity is associated with decreased expression and function of the large conductance voltage- and ca(2+)-activated k(+) channels. PLoS One 2013 Jul 5;8(7):e68052. PMID: 23861849
5. **Afeli, S. A.**, Petkov, G. V.: Functional BK channels facilitate the β3-adrenoceptor agonist-mediated relaxation of nerve-evoked contractions in rat urinary bladder smooth muscle isolated strips. Eur J Physiology PMID: 23643998 - April 2013
6. **Afeli, S. A.**, Rovner, E. S., Petkov, G. V.: SK but not IK channels regulate human detrusor smooth muscle spontaneous and nerve-evoked contractions. *Am. J. Physiol.- Renal Physiol.*, **303**: F559, 2012
7. **Afeli, S. A.**, Hristov, K. L., Petkov, G. V.: Do beta3-adrenergic receptors play a role in guinea pig detrusor smooth muscle excitability and contractility? *Am. J. Physiol.- Renal Physiol.*, **302**: F251, 2012
8. Hristov, K. L., Chen, M., **Afeli, S. A.** et al.: Expression and function of K(V)2-containing channels in human urinary bladder smooth muscle. *Am. J. Physiol.- Cell Physiol.*, **302**: C1599, 2012
9. Smith, A., Parajuli, S., Hristov, K., Cheng, Q., Soder, Q., **Afeli, S.**, Earley, S., Malysz, J., Petkov, G.: TRPM4 channel: A new player in urinary bladder smooth muscle function in rats. *Am. J. Physiol.- Renal Physiol.* PMID:23283997)
10. Hristov, K., **Afeli, S.**, Kellett, W. F., Rovner, E. & Petkov, G. V. Neurogenic detrusor overactivity is associated with decreased BK channel activity: electrophysiological and functional studies on human detrusor smooth muscle. *J. Urol.* **183**, e73–e74 (2010).
11. **Afeli, S.**, Petkov, G.: Activation of beta3 adrenoreceptors decreases the amplitude of the electrical field stimulation induced contractions in rat detrusor smooth muscle isolated strips. *FASEB.* 2011