

Curriculum Vitae

Joshua Allen Broussard, Ph.D.
 Postdoctoral Fellow
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Education/Training

INSTITUTION AND LOCATION	DEGREE (if applicable)	START DATE MM/YYYY	END DATE (or expected end date) MM/YYYY	FIELD OF STUDY
Centenary College of Louisiana	B.S.	08/2002	05/2006	Biological Sciences
Vanderbilt University	Ph.D.	06/2006	12/2012	Biological Sciences
Northwestern University	n/a	01/2013	current	Cell Biology

Positions/Employment

2003 - 2006	Work Study Student - Department of Biology Centenary College of Louisiana, Shreveport LA
2003 - 2005	Resident Assistant - Department of Student Life Centenary College of Louisiana, Shreveport LA
2004 - 2006	Undergraduate Teaching Assistant - Department of Biology Centenary College of Louisiana, Shreveport LA
2005	National Science Foundation - Research Experience for Undergraduates Texas A&M, College Station TX
2009	Graduate Teaching Assistant - Department of Biological Sciences Vanderbilt University, Nashville TN
2007 - 2012	Graduate Research Assistant - Department of Biological Sciences Vanderbilt University, Nashville TN
2013 - 2015	Postdoctoral Fellow - Department of Dermatology, Northwestern University, Chicago IL
2013 - cur	Postdoctoral Fellow - Department of Pathology, Northwestern University, Chicago IL

Academic and Professional Honors

2003	Centenary College of Louisiana, Virginia Carlton Mathematics Award
2005	Texas A&M. National Science Foundation. Research Experience for Undergraduates
2006	24 th Annual Meeting of the Texas Society of Mammologists, Rollin H. Baker Award
2007	Vanderbilt University. Dept. of Biological Sciences Retreat, Best Poster Presentation Award
2007-2008	Vanderbilt University. Training Program in Breast Cancer Research (T32CA078136)

2013-2014	Northwestern University. Post Graduate Program in Cutaneous Biology (1T32AR060710-01A1)
2015	Northwestern University. Center for Genetic Medicine Travel Fellowship
2015	Discussion Leader at the Gordon Research Seminar on Cell Contact & Adhesion
2016	Chicago Biomedical Research Postdoctoral Grant. Adhesion-based regulation of intercellular forces in live-cell organotypic cultures.

Memberships in Professional Societies

2005 - 2006	Texas Society of Mammalogists
2007 - cur	American Society for Cell Biology
2010 - cur	Faculty of 1000 - Associate Faculty Member (Cell Adhesion)
2015 - cur	Society for Investigative Dermatology

Publications

1. **Broussard J.A.**, Webb D.J., and Kaverina I. Asymmetric focal adhesion disassembly in motile cells. *Curr. Opin. Cell. Biol.* 2008 Feb;20(1):85-90.
2. Gant-Branum RL*, **Broussard J.A.***, Mahsut A, Webb D.J., and McLean JA. Identification of phosphorylation sites within the signaling adaptor APPL1 by mass spectrometry. *J. Proteome Res.* 2010 Mar 5;9(3):1541-8. *These authors contributed equally to this work.
3. **Broussard J.A.**, Lin W.H., Majumdar D., Anderson B., Eason B., Brown C.M., and Webb D.J. The Endosomal Adaptor Protein APPL1 Impairs the Turnover of Leading Edge Adhesions to Regulate Cell Migration. *Mol. Biol. Cell.* 2012 Apr;23(8):1486-99.
4. Forsythe J.G., **Broussard J.A.**, Lawrie J.L, Kliman M., Jiao Y., Weiss S.M., Webb D.J., and McLean J.A. Semitransparent nanostructured films for imaging mass spectrometry and optical microscopy. *Anal. Chem.* 2012 Dec 18;84(24):10665-70.
5. **Broussard J.A.**, Rappaz B., Webb D.J., Brown C.M. Fluorescence resonance energy transfer microscopy as demonstrated by measuring the activation of the serine/threonine kinase Akt. *Nat. Protoc.* 2013 Feb;8(2):265-81.
6. Jean L., Majumdar D., Shi M., Hinkle L.E., Diggins N.L., Ao M., **Broussard J.A.**, Evans J.C, Choma D.P., Webb D.J.. Activation of Rac by Asef2 promotes myosin II-dependent contractility to inhibit cell migration on type I collagen. *J Cell Sci.* 2013 Dec 15;126(Pt 24):5585-97.
7. **Broussard J.A.***, Diggins N.*, Hummel S., Georgescu W., Quaranta V., Webb D.J. Automated Analysis of Cell-Matrix Adhesions in 2D and 3D Environments. *Sci Rep.* 2015 Jan 29;5:8124. doi: 10.1038/srep08124. *These authors contributed equally to this work.
8. **Broussard J.A.**, Getsios S., Green K.J. Desmosome Regulation and Signaling in Disease. *Cell Tissue Res.* 2015 Jun;360(3):501-12.

9. **Broussard J.A.***, Yang R.*, Huang C.*, Nathamgari S.P., Beese A.M., Godsel L.M., Lee S., Zhou F., Sniadecki N.J., Green K.J., and Espinosa H.D. The desmoplakin/intermediate filament linkage regulates cell mechanics. *Mol. Biol. Cell.* In Revision. *These authors contributed equally to this work.

Abstracts:

1. **Broussard J.A.**, Anderson B., Majumdar D., and Webb D.J. The Adaptor Protein APPL1 Regulates Cell Migration and Adhesion Dynamics through Akt Signaling. *Amer. Soc. Cell Biol. Abstract # 1933*, 2009.
2. **Broussard J.A.**, Anderson B., Majumdar D., and Webb D.J. The Signaling Adaptor APPL1 Regulates Cell Migration and Adhesion Dynamics through Akt. *Amer. Soc. Cell Biol. Abstract # 2074*, 2010.
3. **Broussard J.A.**, Lin W.H., Majumdar D., Anderson B., and Webb D.J. The Endosomal Adaptor Protein Appl1 Impairs the Turnover of Leading Edge Adhesions to Regulate Cell Migration. *Frontiers in Cell Migration and Mechanotransduction*. Poster #12 Session II, 2011.
4. **Broussard J.A.**, Lin W.H., Majumdar D., Anderson B., Eason B., Brown C.M., Webb D.J. The Endosomal Signaling Adaptor APPL1 Impairs Cell Migration by Inhibiting the Turnover of Adhesions at the Leading Edge. *Amer. Soc. Cell Biol. Abstract # 349*, 2011.
5. **Broussard J.A.**, Lin W.H., Majumdar D., Anderson B., Eason B., Brown C.M., Webb D.J. The Endosomal Signaling Adaptor APPL1 Impairs Cell Migration by Inhibiting the Turnover of Adhesions at the Leading Edge. *Cell Signaling and Cytoskeleton in Directed Cell Migration: Imaging and Quantitative Approaches*. **Oral Presentation**, 2012.
6. **Broussard J.A.**, Green K.J. Desmosomal mediated mechanotransduction regulates cell adhesion and signaling. *J Invest Dermatol.* 2015; 135:S81. *Soc. of Investigative Dermatology*. Abstract #475, **Oral Presentation**, Growth Factors, Cell Adhesion, & Matrix Biology, 2015.