



## **CURRICULUM VITAE**

### **Brianna Bourgeois**

**Current Title:** MD/PhD Student

**Business Address:** Department of Physiology  
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#### **Education:**

Undergraduate: Louisiana State University,  
Baton Rouge, LA (2011 - 2015)  
B.S. Biological Engineering, 2015  
Summa Cum Laude, 4.0 GPA

Medical/Graduate: Louisiana State University Health Sciences Center,  
New Orleans, LA (2018 - Present)  
School of Medicine and Department of Physiology

#### **Academic, Professional, and Research Appointments:**

2011 - 2014 Undergraduate Research Intern, Louisiana State University, Baton Rouge  
Summer 2012 Undergraduate Summer Research Intern, University of Massachusetts, Boston  
2013 Undergraduate Summer Research Intern, Yale University, New Haven  
2014 Undergraduate Summer Research Intern, University of Washington, Seattle  
2015 - 2016 High School Science Teacher, Discovery High School, Bronx  
2016 - 2018 Research Assistant, Pennington Biomedical Research Center, Baton Rouge  
2019 Medical Student Research Intern, LSU Health Science Center, New Orleans  
2018 - present MD/PhD Student, LSU Health Science Center, New Orleans

#### **Membership in Professional Organizations:**

2018 – present American Medical Association  
2020 – present The American Physiological Society  
2020 – present Research Society on Alcoholism

### Awards and Honors:

- 2014 **Wiley D. Poole Memorial Scholarship**, outstanding sophomore or junior LSU student in biological engineering
- 2015 **Distinguished Communicator Certification**
- 2015 **Edward McLaughlin Dean's Medal of Excellence**, achieving the highest GPA in the College of Engineering at LSU
- 2015 **University Medal**, The University Medal was established as an award for LSU undergraduate students graduating with the highest grade-point-average in their class

### Publications:

1. Fennell Laura, **Bourgeois Brianna**, Boldor Dorin. Continuous microwave drying of the seeds of the invasive Chinese tallow tree. *Biofuels, Bioprod Bioref.* 2015. doi:10.1002/bbb.1544
2. Heymsfield Steven, **Bourgeois Brianna**, Thomas Diana. Assessment of human energy exchange: historical overview. *Eur J Clin Nutr.* 2017. PMID: 27876807
3. **Bourgeois Brianna**, Ng Bennett, Latimer Dustin, Casey Stannard, Romeo Laura, Li Xin, Shepherd John, Heymsfield Steven. Clinically applicable optical imaging technology for body size and shape analysis: comparison of systems differing in design. *Eur J Clin Nutr.* 2017. PMID: 28876331
4. **Bourgeois Brianna**, Watts Krista, Thomas Diana, Hu Frank, Heo Moonseong, Hall John, Heymsfield Steven. Associations between height and blood pressure in the United States population. *Medicine (Baltimore).* 2017. PMID: 29390353
5. Heymsfield Steven, **Bourgeois Brianna**, Thomas Diana. Why is it Difficult to Lose and Maintain Large Amounts of Weight with Lifestyle and Pharmacologic Treatments? *Obesity (Silver Spring).* 2017. PMID: 29081067
6. **Bourgeois Brianna**, Fan Bo, Johannsen Neil, Gonzales Maria Cristina, Ng Bennett, Sommer Markus, Shepherd John, Heymsfield Steven. Improved strength prediction combining clinically available measures of skeletal muscle mass and quality. *J Cachexia Sarcopenia Muscle.* 2019. PMID: 30371008
7. Heymsfield Steven, **Bourgeois Brianna**, Ng Bennett, Sommer Markus, Li X, Shepherd JA. Digital anthropometry: a critical review. *Eur J Clin Nutr.* 2018. PMID: 29748657
8. Ng Bennett, Sommer Markus, Wong Michael, Pagano Ian, Nie Yilin, Fan Bo, Kennedy Samantha, **Bourgeois Brianna**, Kelly Nisa, Liu Yong, Hwaung Phoenix, Garber Andrea, Chow Dominic, Vaissee Christian, Curlless Brian, Heymsfield Steven, Shepherd John. Detailed 3-dimensional body shape features predict body composition, blood metabolites, and functional strength: the Shape Up! studies. *Am J Clin Nutr.* 2019. PMID: 31553429
9. Hwaung Phoenix, Heo Moonseong, **Bourgeois Brianna**, Kennedy S, Shepherd J, Heymsfield SB. Greater Height Is Associated with a Larger Carotid Lumen Diameter. *Medicines (Basel).* 2019. PMID: 31091706

**Abstracts:**

1. **Bourgeois Brianna**, Latimer Dustin, Stannard Casey, Romeo Laura, Li Xin, Shepherd John, Ng Bennett, Heymsfield Steven. 3D Imaging Technology for Human Body Size and Shape Analysis: Comparison of Three Different Acquisition Technologies. *Annual meeting for the American Society of Nutrition at the Experimental Biology conference*. Chicago, IL, April 2017.
2. **Bourgeois Brianna**, Watts Krista, Thomas Diana, Carmichael Owen, Hu Frank, Heo Moonseong, Shepherd John, Heymsfield Steven. Inverse Association Between Stature and Coronary Artery Disease and Stroke Risk: Height-Blood Pressure Relation as a Contributing Mechanism. *Annual meeting for the American Society of Nutrition at the Experimental Biology conference*. Chicago, IL, April 2017.
3. **Bourgeois Brianna**, Peterson Courtney, Thomas Diana, Shepherd John, Heymsfield Steven. Associations between body proportions and cardiometabolic risk factors. *Annual meeting for The Obesity Society*. Washington, DC, November 2017.
4. **Bourgeois Brianna**, Marrero Luis, Simkin Jennifer, Molina Patricia, Dasa Vinod, Simon Liz. Osteoarthritis severity is associated with increased articularis genu muscle pain receptor expression. *Medical Student Research Day at LSU Health Science Center*. New Orleans, LA, October 2019.
5. **Bourgeois Brianna**, Yeh Alice, Levitt Danille, Primeaux Stephany, Brashear Meghan, Ferguson Takeda, Molina Patricia, Simon Liz

**Conference Participation:**

Oral presenter: 3D Imaging Technology for Human Body Size and Shape Analysis: Comparison of Three Different Acquisition Technologies. *Annual meeting for the American Society of Nutrition at the Experimental Biology conference* – Chicago, IL, April 2017

Poster presenter: Inverse Association Between Stature and Coronary Artery Disease and Stroke Risk: Height-Blood Pressure Relation as a Contributing Mechanism. *Annual meeting for the American Society of Nutrition at the Experimental Biology conference* – Chicago, IL, April 2017

Poster presenter: Associations between body proportions and cardiometabolic risk factors. *Annual meeting for The Obesity Society*. Washington, DC, November 2017.– Washington, DC, November 2017

**Community Service and Outreach Activities:**

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| Summer 2018, 2019     | <b>Camp Tiger</b> , summer camp for children with disabilities, camp counselor                    |
| August 2019 - present | <b>New Orleans Adloescent Reproductive Health Project</b> , volunteer reproductive health teacher |
| Fall 2020             | <b>Greater New Orleans Science Fair</b> , science project mentor                                  |