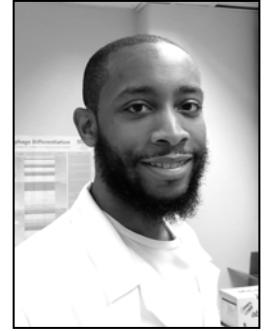


# ***Brandon E. Armstead, BS, MS***

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## **Primary Research Field**

Patho-mechanisms of shock/sepsis, innate immunity

## **Education**

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|---------------------|--|
| <b>2018-present</b> | Ph.D. in Graduate Pathobiology Program, Brown University, Providence, R.I. |
| <b>2016-2018</b>    | M.S. in Biotechnology, Brown University, Providence, RI                    |
| <b>2008-2012</b>    | B.S. in Biology, Penn State University, University Park, P.A.              |

## **Professional Experience**

### **Penn State-University Park, P.A.**

#### **Forestry Resources Department**

- Independent study on light densities and wavelengths perceived by Jewelfish (African Cichlid)

#### **Biology Department**

- Plant biochemistry-cell wall homogenate analysis

### **Northwell Health-Manhasset, N.Y.**

#### **The Feinstein Institute for Medical Research**

#### **Robert S. Boas Center for Genomics and Human Genetics**

- Immunology of rheumatoid arthritis

### **Brown University-Providence, R.I.**

#### **Microbiology and Molecular Immunology Department**

- Fungal colonization of the germ-free murine GI and subsequent impact on host gut gene expression

## **Publications:**

1. Simpfordorfer, K. R., **Armstead, B. E.**, Shih, A., Li, W., Curran, M., Manjarrez-Orduño, N., Lee, A. T., Diamond, B. and Gregersen, P. K. (2015) Autoimmune Disease-Associated Haplotypes of BLK Exhibit Lowered Thresholds for B Cell Activation and Expansion of Ig Class-Switched B Cells. *Arthritis & Rheumatology*, 67: 2866-2876.
2. Tindal, E.W., **Armstead, B.E.**, Monaghan, D.S., Heffernan, D.S., Ayala, A. (2019) Emerging therapeutic targets for sepsis. *Expert Opin. Thera. Targets*. (in preparation)(invited review).

## **Abstracts (published):**

1. Wakeley, M.E., Gray, C.C., **Armstead, B.E.**, Tindal, E., Heffernan, D.S., Chung, C-S., Ayala, A. (2020) Adaptive Immune Cell Co-expression of HVEM and BTLA in Immunosuppression of Critical Illness. *Acad. Surg. Cong. 2020 searchable on-line abstracts: (in press)*.

**Presentations (Oral & Poster):**

1. Armstead, B.E., Wakeley, M.E., Gray, C.C., Tindal, E., Chen, Y., Ayala, A. Ferreting through the significance of immunological status in the septic: polymicrobial sepsis alters co-expression of immune checkpoint proteins HVEM and BTLA on murine lymphocytes after CLP. Poster presentation at Brown University-Graduate Pathobiology Retreat, Providence, RI, August 28, 2019.

**Teaching Experience**

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