

## **BD Meeting Minutes: March 5th, 2018**

- Research Presentation by Virgilio Lopez III
  - Circulation HSP Responses during exercise in hot and humid environments
    - Homeostasis is perturbed by numerous stressors during exercise
    - Exertional Heat stroke (EHS) is a seriously dangerous illness and results from uncompensable heat stress
    - Cellular heat stress response mechanisms serve to maintain homeostasis
    - HSP response is highly regulated and depends on numerous factors
    - HSPs function as molecular chaperones in numerous ways
    - Can HSPs serve as biomarkers of EHS? They hypothesize yes
    - Went to 2 events (Hotter’N Hell 100 mile Cycling Event, rare EHS, and Falmouth Road Race, high incidence of EHS, Both hot and humid)
    - Make use of ELISA to check concentration of HSPs
    - In HHH HSP60 does not increase pre/post race
    - In FRR HSP90 in the only one that increased pre/post race
- Fellowship Opportunities
  - <http://www.greatcollegedeals.net/scholarships/20-great-phd-scholarships-and-doctoral-grants-for-minorities/>
- Tax Tips
  - [www.apa.org/gradpsych/features/2011/tax-tips.aspx](http://www.apa.org/gradpsych/features/2011/tax-tips.aspx)
- STEM tutoring
  - Teachers tell you a topic, you come up with an activity or just lecture
  - Can come once a week, every other week, multiple times a week, etc.
  - We are first setting up a meeting with the school
- Professional Development Seminars
  - RT Major this Wednesday and Thursday (3-7-18, 3-8-18)

### **Those Present**

Randy Hamchand  
Randi Mendes  
Virgilio Lopez III  
Brandon Williams  
Jessica Maita  
Cristian Aviles-Martin  
Kevin Rivera  
Aida Ghiaei

Minutes Completed by Randy Hamchand