# Florida Atlantic University Exercise Science and Health Promotion

Newsletter · Summer 2016 · Volume 6, Issue 2

### Dr. Michael Whitehurst



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### Welcome from the Department Chair

Most of the faculty attended the American College of Sports Medicine's (ACSM) national meeting in Boston (May 31-June 4). Aside from presenting our research, we were there to support three of our undergraduate students (see photos/names below) who represented our department in ACSM's national academic challenge where students answer physiology type questions in a Jeopardy-type format. Importantly, Alexandra, Gabriel and Bryan placed first in the Southeast Regional ACSM in order to compete at the national level. When it was over, our team placed 5<sup>th</sup> out of 12 schools. It goes without saying that we are incredibly proud of our students. Moreover, these students represent an academic program that's garnered national accolades and who are part of a growing number of ESHP undergraduate students interested in laboratory based research.

The College of Education recently hosted an awards ceremony that highlighted undergraduate and graduate student research. The ESHP winners for undergraduate and graduate student research were Gabriel Pena and Jacob Goldsmith, respectively. Both Gabriel and Jacob have participated in animal and human research spanning molecular mechanisms associated with exercise to applied exercise physiology experiments testing the boundaries of human strength development. These awards represent excellence in research equaled only by the incredible mentoring provided by ESHP faculty. As the fourth largest undergraduate degree program at FAU, ESHP academic programs and research are gaining notoriety within and outside the university.

We are proud to announce that we have hired Laura Canteri as an instructor in ESHP. Ms. Canteri, who completed her MS degree in ESHP at FAU, will teach in the undergraduate program and assume administrative duties as well. Additionally, we have hired Dr. Andy Khamoui as an assistant professor of exercise biochemistry. Dr. Khamoui is finishing a year of post-doctoral studies at the UCLA Medical Center following his PhD work at Florida State University. Dr. Khamoui will teach in both the undergraduate and graduate programs and conduct animal research including studying molecular mechanisms associated with muscle wasting in at risk groups (e.g., elderly, cancer patients).

The ESHP department has made great strides both programmatically and in terms of the type and quality of our research. Stay in touch and feel free to contact me at any time.



### Thank You, Anita!

Anita D'Angelo-Herold has dedicated many years to our program, particularly in the practicum course. Her ability to connect with students and enthusiasm every morning has been such a blessing to have on our staff. She worked diligently in all of her classes, conducted research, and was very enthusiastic. Thank you, Anita, for all of your hard work and good luck on your future endeavors. We all wish you the best during your retirement.

# Graduate Assistants, Summer 2016



(Back row): Adam Sayih, Jonathan Dobson, Jake Goldsmith, Bobby Varieur (Middle row): Arun Maharaj, Peter Ferrandi, Dr. Zoeller, Dan Cooke, Brandon Fico (Kneeling/ Sitting): Jared Perlmutter, Lauren Smith, Ryan Byrnes, Gabriel Pena, Tasha Harper

# New Graduate Assistants, Summer 2016



Gabriel Pena, BS Bogota, Columbia Florida Atlantic University gpena7@fau.edu



Jared Perlmutter, BSE New Port Richey, Florida Florida Atlantic University jperlmul@fau.edu

# FAU ESHP Graduate Assistants, Summer 2016



Fanchen Bao, MS P.R. China Florida International University fbao2015@fau.edu



Dan Cooke, BS Plymouth, United Kingdom University of Plymouth dcooke2014@fau.edu



Ryan Byrnes, BSE Tuckerton, New Jersey Florida Atlantic University rbyrnes2012@fau.edu



Blake Daniel, BS Prospect, Tennessee Middle Tennessee State University ddaniel2015@fau.edu



Carolyn Dias-Karch, BS Hollywood, Florida Florida State University ckarch2012@fau.edu



Jonathan Dobson, BA Mayfield Heights, OH Florida Atlantic University jdbson1@fau.edu



Peter Ferrandi, BS Boston, Massachusetts Florida Atlantic University pferran1@fau.edu



Brandon Fico, BS Pembroke Pines, Florida Florida Atlantic University bfico@fau.edu



Jacob Goldsmith, BS Jefferson City, Missouri Missouri Science Technology jgoldsmith2014@fau.edu



Mike Haischer, BS Grafton, Wisconsin Exercise Physiology Marquette University Mhaischer 2015@fau.edu



Tasha Harper, BS Cheasapeake, Virginia Palm Beach Atlantic University lharper2015@fau.edu



Ryan Huffman, BS Cleveland, Ohio Miami University rhuffman2015@fau.edu



Chris Latimer, BS Powell, Ohio Otterbein College clattimer2015@fau.edu



Arun Maharaj, BS Coral Spings, Florida Florida Atlantic University amahar12@fau.edu



Gabriel Pena, BS Bogota, Columbia Florida Atlantic University gpena7@fau.edu



Jared Perlmutter, BSE New Port Richey, Florida Florida Atlantic University jperlmu1@fau.edu



Andrew Rothermel, BS Port St. Lucie, Florida Indiana University of Pennsylvania/Sutton arothermel2015@fau.edu



Adam Sayih, BS Miami, Florida Florida International University asayih2015@fau.edu



Lauren Smith, BS Charlotte, North Carolina Auburn University smithlauren2015@fau.edu



Amaryllys 'Grace' Thompson, BS Nottingham, Maryland University of Vermot



Bobby Varieur, BS Theills, New York Manhattan College rvarieur2015@fau.edu

# Former Students Working On M.S. Degrees

Jared Perlmutter, BS, 2016, Florida Atlantic University
Gabriel Pena, BS 2016, Florida Atlantic University
Brandon Fico, BS 2015, Florida Atlantic University
Ryan Byrnes, BSE 2015, Florida Atlantic University
Arun Maharaj, BS 2014, Florida Atlantic University

# Former Students Working On Ph.D. Degrees

Rocky Blanco, M.S. 2015: University of Wisconsin
Chad Dolan, M.S. 2015: University of Houston
Justin Quiles, M.S. 2015: University of Alabama, Birmingham
Kirk Roberson, M.S. 2015: University of Miami
Thomas Mock, M.S. 2014: University of North Texas Health Science Center
Aaron Slusher, M.S. 2014: Virginia Commonwealth
Sam Buckner, M.S. 2013: University of Mississippi
Ryan Colquhoun, B.S.E. 2013: Oklahoma State University
Keith Brazendale, M.S. 2013: University of South Carolina
Alex Klemp, M.S. 2013: Florida State University

Stephanie Kurti, M.S. 2011: Kansas State University

# Alumni News



**Alfred Morris**, ESHP, BSE, 2012, is currently a running back for the Dallas Cowboys Football team.



**Eric Capell**, MS, ATC, Assistant Athletic Trainer at the University of Arizona, February 2016 to present, from the NY Jets.

**Vickie Wong**, BSE, 2015, has been accepted into the University of South Florida's Exercise Science program, Fall 2016.

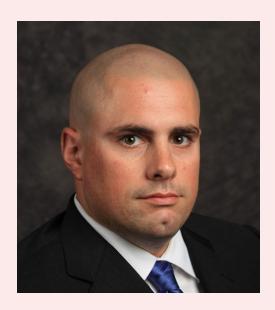
**Kate Christian**, BSE, 2012, is working on her master's degree at the University of Oregon's Human Physiology Graduate Program. She is totally fund-

**Shirley Rojas**, MS, 2011, visited our campus this past spring. She is with Arun Maharaj, one of our current MS students. She is teaching courses at Keiser University.



# Other News

# Congratulations, Mr. Boerum!



Mr. Chris Boerum will receive his M.B.A. from FAU in August. He completed his M.S. in Exercise Science and Health Promotion from our department in 2010. After his graduation, Mr. Boerum was a Broward County Mr. Chris Boerum will receive his M.B.A. from FAU in August. He completed his M.S. in Exercise Science and Health Promotion from our department in 2010. After his graduation, Mr. Boerum was a Broward County Public School teacher for a year, then taught as a visiting instructor for us. He was hired full time in August 2012. He created the Tactical Strength and Conditioning course, plus taught Advanced Methods of Strength and Conditioning, among other courses for our major. We want to congratulate him on received this M.B.A. He is also starting on his doctorate this fall. Good luck, Mr. Boerum!

# Awards & Recognition

# Congratulations!





Dr. Robert Zoeller, Professor, Exercise Science and Health Promotion Department, congratulates Jake Goldsmith (left) on receiving his top ESHP graduate student award at the College of Education ceremonies, May 2016. Gabe Pena received the top undergraduate ESHP student of the year award (right).



Congratulations to Jake, Jared, and Gabe on your successful research this year!



Jacob Perlmutter received an award for the top undergraduate research student in the FAU College of Education.

# Exercise Science and Health Promotion

# Graduate Students



Master's Thesis presentation by Arun Maharaj with Dr. Whitehurst, Dr. Huang, and Dr. Zourdos, Spring 2016.

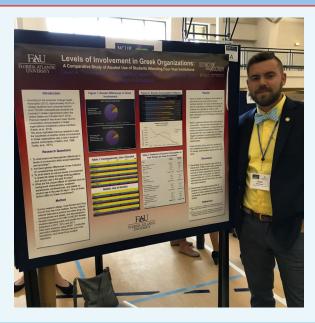
Master's Thesis presentation by Jake Goldsmith with Dr. Whitehurst, Dr. Zoeller, and Dr. Zourdos, Spring 2016.



# Exercise Science and Health Promotion

# Undergraduate Students

**David Thompson** presenting a poster, Levels of involvement in Greek organizations: A comparable study of alcohol use of students attending a four year institution, 30th Annual National Conference on Undergraduate Education, April 8, 2016, University of North Carolina—Asheville. David also was one of the College of Education's Scholarship Recipients, May 2016.





Dr. Graves' Management Principles class, Spring 2016, performing mock job interviews to prepare them for job opportunities in the future.



Left to right: Sabina Belizaire,
Jasmine Sparks, Kristen Barani, Frank
Gonzalez, Barry Jacobson, Cody
Brooks, Wesley Burnside, Andrew
Pfeifer, Amanda Moench, Dan
Sarfati, Albert Nieves, and Kenneth
Reilly.

# American College of Sports Medicine

Southeast Meeting · Greenville, South Carolina · February 18-20, 2016



Below: Students with Dr. Gupta, physician, Sports Orthopedic Center, Boca Raton, Florida, presented Athletic Engineering.





On the left: FAU students and faculty at the SEACSM Graduate fair! Hoot Hoot! Go Owls!

Below: Dr. Bill Kraemer, Professor, Ohio State University, Keynote lecturer, speaking with students.



Below: FAU undergraduate students, First place in the student scholar bowl. Our team represented the Southeast region at the national ASCM meeting. In May



On the left: Undergraduate and graduate students exploring Greenville, SC after the conference.

# American College of Sports Medicine

National Meeting · Boston, Massachusetts · June 1st - 4th, 2016



On the left: FAU's Student Scholar Bowl team who won their way to the national ACSM conference to represent the Southeast Region. They placed fifth overall in the competition.





FAU graduate, Sam Buckner, with ASCM President, Elizabeth Joy, M.D. of Intermountain Healthcare. Sam is currently working on his Ph.D. at the University of Mississippi.



FAU Faculty and students throwing up the owl in Boston!

Back row: Dr. Whitehurst, Kristin Mendez, Jessica Halle, Gabe

Pena, Lexi Rodriguez, Bryan Rodriquez, Dr. Huang, Brandon

Fico

Front: Dr. Torok, Dr. Graves, Eyessky Sanabria, Arun Maharaj, Jake Goldsmith, and Katie Dodge.

# Exercise Science and Health Promotion

# ESHP Club Executive Board 2016-2017



Carolyn Karch
President



David Thompson
Vice President



Victoria Kramer Secretary



Makil Hoilett
Treasurer



Dr. Michael Zourdos Advisor

Make sure to check out the ESHP Club Facebook page for updates and upcoming events!

Any questions, please contact the ESHP Club president at ckarch2012@fau.edu

# Faculty News and Publications



(Back row): Dr. Chun-Jung Huang, Chris Boerum, Dr. Robert Zoeller, Dr. Michael Whitehurst, Jared Hoare. (Front row): Michelle Papania, Dr. Tina Penhollow, College of Education Dean Valerie Bristor, Dr. Sue Graves, Dr. Michael Hall, Anita D'Angelo-Herold.

## Publications

### **PUBLICATIONS**

- Caslin, H.L., Franco, R.L., Crabb, E.B., **Huang, C-J.,** MK Bowen, M.K., & Acevedo, E.O. (2016). The Effect of Obesity on Inflammatory Cytokine and Leptin Production Following Acute Mental Stress. Psychophysiology, 53, 151–158.
- Crabb, E. B., Franco, R. L., Bowen, M. K., **Huang, C-J.,** Caslin, H. L., & Acevedo, E. O. (2016). G Protein–Coupled Receptor Kinase 2 in Peripheral Blood Mononuclear Cells Following Acute Mental Stress. Life Sciences. Life Sciences, 145, 184–189.
- Helms, R.E., Storey, A., Cross, M.R., Brown, S.R., Lenetsky, S., Ramsay, H., Dillen, C., and **Zourdos, M.C.** RPE and Velocity Relationships for the back squat, bench press, and deadlift in powerlifters. The Journal of Strength and Conditioning Research [Accepted-Epub Ahead of Print]. 2016.
- Klemp, A., Dolan, C., Quiles, J.M., Blanco, R., **Zoeller, R.F., Graves, B.S.,** and **Zourdos, M.C.** Volume– Equated high and low repetition daily undulating programming strategies produce similar hypertrophy and strength adaptations. *Applied Physiology, Nutrition, and Metabolism.* (2016). 41:1–7.
- Slusher, A.L. and **Huang, C-J.** (2016). Association of Pentraxin 3 with Insulin Resistance and Glucose Response Following Maximal Aerobic Exercise in Obese and Normal-weight Individuals. Canadian Journal of Physiology and Pharmacology, 94, 1–5.

# Faculty News and Publications

## Presentations

### NATIONAL ABSTRACT PRESENTED: ACSM

- **Bao, F.,** Slusher, A.L., Whitehurst, M., and **Huang, C-J.** (2016, May). Circulating MicroRNAs Are Upregulated in Response to Acute Aerobic Exercise in Obesity. Annual American College of Sports Medicine Conference, Boston, MA.
- Slusher, A.L., Shibata, Y., **Whitehurst, M., Maharaj, A.,** Quiles, J.M., and **Huang, C-J.** (2016, May). Exercise–Mediated Pentraxin 3 Expression from In Vitro Stimulation of Human PBMCs with Lipopolysaccharide in Obese Individuals. Annual American College of Sports Medicine Conference, Boston, MA.
- Fico, B.G., Slusher, A.L., Whitehurst, M., Maharaj, A., and Huang, C-J. (2016, May). The Impact of Obesity on Calprotectin Response to Acute Aerobic Exercise. Annual American College of Sports Medicine Conference, Boston, MA.
- Goldsmith, J.A., Quiles, J.M., Blanco, R., Klemp, A., Dolan, C., Huang C-J, Whitehurst, M., and Zourdos, M.C. Progressive resistance exercise elicits significant brain-derived neurotrophic growth factor expression. AmericanCollege of Sports Medicine, Boston, MA. 2016.
- **Graves, B. S.,** Burnside, J. and Gupta, M. Assessing Concussion in College Athletes. American College of Sports Medicine, Boston, MA. 2016.
- Perlmutter, J.H., Dolan, C., Quiles, J.M., Blanco, R., Goldsmith, J.A., Mendez, K.M., Byrnes, R.K., Zoeller, R.F., Whitehurst, M., and Zourdos, M.C. Impact of various concurrent training interventions on squat strength. American College of Sports Medicine, Boston, MA. 2016.
- Mendez, K.M., Dolan, C., Quiles, J.M., Blanco, R., Goldsmith, J.A., **Perlmutter, J.H., Byrnes, R.K., Zoeller, R.F., Whitehurst, M., and Zourdos, M.C.** Impact of various concurrent training interventions on bench press strength. American College of Sports Medicine, Boston, MA. 2016.
- Maharaj, A., Slusher, A.L., Zourdos, M.C., Whitehurst, M., Fico, B.G., and Huang, C-J. Association of calprotectin with leukocyte chemotactic and inflammatory mediators following acute aerobic exercise. American College of Sports Medicine, Boston, MA. 2016.

### NATIONAL ABSTRACT ACCEPTED: FNCE

Diaz, N.A., Coccia, C., Dolan, C., Goldsmith, J.A., and **Zourdos, M.C.** Ad Libitum Dietary Intake Habits of Resistance Trained Males: A Comparison to Established Dietary Recommendations. Food and Nutrition Conference and Expo. Boston, MA. 2016.

# FLORIDA ATLANTIC UNIVERSITY.

### EXERCISE SCIENCE AND HEALTH PROMOTION

## INTERNSHIPS, SUMMER 2016

Christopher Lyles

Jacob Mabie Alliance Health & Injury Center

Kathryn Cermak Alliance Health & Injury Center

Oriel Matilsky Adolph & Rose Levis JCC

Jasmine Spence Advanced Healthcare

Sabina Belizaire Boca Babes OBGYN

Maria Gamboa Boca Raton Orthopedic Group

Shirley Lynch Boca Raton Orthopedic Group

Samantha Greenberg Boca Raton Orthopedic Group

Amanda King Boca Trauma & Rehabilitation

Samantha Mueller Boca Trauma & Rehabilitation

Gabriella Sosa Boca Trauma & Rehabilitation

Amber Reichel Boca Trauma & Rehabilitation

Krista Ali Boca Raton Regional Hospital

Matthew Joyce Bommarito Performance Systems

Andrew Pfeifer Bommarito Performance Systems

Allyce Peyton Central Palm Medical Group

Brandon Rhodes Central Palm Medical Group

Gabriela Mori City of Coconut Creek Parks & Rec

Central Palm Medical Group

Sten Schroeder City of Coconut Creek Parks & Rec

Delima, Luisa CORA Health Rehabilitation

Moghadam, Mina CORA Health Rehabilitation

Zaccardo, Tiffany CORA Health Rehabilitation

Jason Gothelf David Posnack JCC

Greg Joseph Davis Therapy Center

Walkens Seraphin Davis Therapy Center

Heather Haynes Equinox

Carlos Pizzino Equinox

Chloe Sell FAU Athletic Training

Jose Rodriguez FAU ESHP , Dept, Dr. Whitehurst

David Abella FAU Strength & Conditioning

Trevor Johnson FAU Strength Lab

Bianca Vito FAU Strength Lab

Jonathan Perry FAU Strength Lab



# FLORIDA ATLANTIC UNIVERSITY.

### EXERCISE SCIENCE AND HEALTH PROMOTION

## INTERNSHIPS, SUMMER 2016

Joshua Matthews Gravity & Oxygen Fitness

Frank Gonzalez Holy Cross Hospital

Nicole Blankfield Holy Cross Hospital

Annmarie Giacobbe Holy Cross Hospital Rio Vista

Nathan Pearson Impact Sports Performance

Ryan Radic Impact Sports Performance

Kenneth Reilly Impact Sports Performance

Braylen Toney Impact Sports Performance

Carlton Colbert Jupiter Medical Center

Wesley Burnside Life of Purpose

Shelaina Bloukos Life of Purpose

Amelia Flores Memorial Healthcare System

Jasmine Sparks Memorial Healthcare System

Bria Campbell Memorial Healthcare System

Fernando Cruz Memorial Healthcare System

Quoc-Hung Tran Memorial Healthcare System

Anthony Petrella Mizner Country Club

Bradley Elred Next Era Energy

Todra Norris Next Era Energy

Jennifer Eboli Orthopedic Surgery Associates

Brittany Lilly Orthopedic Surgery Associates

Brazil Lockhart Physiotherapy Associates

Teeka Hall Plantation Medical Rehab & Wellness

Ryan Lyew Plantation Medical Rehab & Wellness

Stephanie Iori Premier Therapy Solutions

James Mungai Sports Ortho LLC

Ashley Parrish Weston Rehab & Wellness

Bryan David Weston Rehab & Wellness

Christopher Villard YMCA Boca Raton

Norkeria Scott YMCA Boynton Beach



Braylon Toney, Ryan Radic, Nathan Pearson, and Kenneth Reilly, hard-working interns, Summer 2016, Impact Sports Performance, Boca Raton, Florida.



### **Graduate Program**

### **Master of Science**

Danielle A. Aromashodu
Cydney Marie Goodwin
Kristin Michelle Mendez
Michael Jospeh Sole
Lindsey Michelle Swann
Devin Thomas Wyss
Katelyn Marie Yeakle

### **Undergraduate Program**

### **Bachelor of Science**

Geoffrey Bangley
Alexander Carrillo
Luisa Delima
Katelyn Marie Dodge
Claire Emslie
Kelly G. Entwistle
Andrea Lynn Galinis
Morgan William Humphrey
Kathryn Lee Hunt

Chelsea Renee Jean
Connor Michael Kelaher
Nayara Damiann Miranda
Kimberly Nieves
Hector Gabriel Paez
Pierina Paradizo
Gabriel S. Pena
Barbara Raymond Renelique
Brianna Alyssa Robinson
Steven Lawrence Rowe
Bianca Eve Santos
Christine Duncan Silverman
Miranda Marie Uhl
Alejandra Villegas
Aleksandra A. Wisekal

### **Bachelor of Science in Education**

Oday Abad Karina Andrea Alarcon Michael Brian Argott Jr. Brooke Elizabeth Bailey Amber-Veta Tiffany Ball Guiseppe Costanzo Barioli Micaela Abigail Bell Calre Kathleen Brinkman Kayla E. Burke Kathleen Ann Casey Stephen D. Chase Taquannda Latrece Clark Denis Derbenov Marsha Elaine Dixon Gustavo Lima Felipe Ketly Francois Christian Jack Greenough Kyle Ryan Harrington Dana Lindsey Hoffman Nicole Marie Jamison Abigail Jean-Claude Catalina Keeffe Peter Robert Larson Mallory Alysa Lindsay Chad Michael Luvison Tianna A Malfetti

**Iveliz Martinez** 



### **Undergraduate Program**

### **Bachelor of Science in Education**

Maria Mazzurco

Mina S. Moghadam

Ibrahim Nasser

Albert Nieves Jr.

Nichole Elise Parker

Habelardo Ever Pascual

Jared Harrison Perlmutter

Amthony Santoriello Jr.

Giovannia Franesca Simon

**Sharae Simone Sturgies** 

Barrissa Patrice Taylor

Kelley J. Thune

Jose Carlos Velazquez

Rachel Alexandra Wetzel

Jenna Alexandra Whitlach

Allison M. Williams

Shemeika Ebonie Elaine Wright

Tiffany Paige Zaccardo



**Steven Orris**, BS, 2000, Received the Master Strength and Conditioning Coach award, the highest honor given by the Collegiate Strength and conditioning Coaches association (CSCCa). He is currently the Director of Sports Performance at Nova Southeastern University in Davie, Florida.

Coach Orris began his professional career at the University of Florida, as an assistant strength and conditioning coach, where he worked with football, baseball, softball, and women's basketball teams. He also completed internships with the Miami Dolphins and Houston Astros.

#### ESHP Faculty/Staff

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#### Dr. Michael Hall

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#### Jared Hoare, Visiting Inst.

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#### Professor

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Professor

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Assistant Professor Phone: 561-297-1317 E-mail: mzourdos@fau.edu

