

PSYCHOLOGY NEWS

The Florida State University



FALL 2014

Message From the Chair



Dr. Jeanette Taylor

The Psychology Department is wrapping up another couple of exciting and highly productive semesters. The excitement stems from our welcoming Drs. Liz Hammock (Neuroscience), Michael Kofler (Clinical), and Ed Hansen (teaching faculty; Social) to our faculty. We also welcomed a class of 20 new doctoral program students on the main campus and 17 students in Panama City, FL specializing in Applied Behavior Analysis. The department is also in the process of hiring in the Social and Neuroscience areas, which lends to the excitement.

Our productivity continues to impress. Since the spring newsletter was published, two graduate students received National Research Service Awards and one received a prestigious fellowship from Autism Speaks. Faculty brought in six new contract and grant awards totaling \$2.34 million. Several graduate students and faculty received honors and awards from scientific societies, and one faculty member was recognized for reaching the top 1% of researchers in terms of citations.

I invite you to read further about the many interesting and important things that have happened in the Department of Psychology this summer and fall.

Research in the News

Roy Baumeister was quoted in *The Wall Street Journal* in an article about overcoming a TV binge-watching addiction. <http://www.wsj.com/articles/how-to-overcome-a-binge-watching-addiction-1411748602?tesla=y>

Anders Ericsson's research on expertise was featured in the *The Washington Post*, *The New York Times*, *The Atlantic*, and *The Wall Street Journal*.

Aschwanden, C. (2014) Malcolm Gladwell and 10,000 hours: What does the writer mean? *The Washington Post*, June 16th. http://www.washingtonpost.com/national/health-science/malcolm-gladwell-and-10000-hours-what-does-the-writer-mean/2014/06/16/b4ce9238-f0cc-11e3-9ebc-2ee6f81ed217_story.html

Aschwanden, C. (2014). Too much practice and specialization can hurt instead of help child athletes. *The Washington Post*, June 16th. http://www.washingtonpost.com/national/health-science/too-much-practice-and-specialization-can-hurt-instead-of-help-child-athletes/2014/06/16/7e6ba03c-f0cc-11e3-9ebc-2ee6f81ed217_story.html

Carey, B. (2014) How Do You Get to Carnegie Hall? Talent. *The New York Times*, July 15. http://www.nytimes.com/2014/07/15/science/which-matters-more-talent-or-practice.html?_r=0

Delistraty, C. D. (2014) To work better, work less. *The Atlantic*, August 8th. http://www.theatlantic.com/business/archive/2014/08/to-work-better-work-less/375763/?single_page=true

Clark, K. (2014). The Philadelphia Eagles' Secret Coaches: Professors. *The Wall Street Journal*, September 16th. <http://online.wsj.com/articles/the-philadelphia-eagles-secret-coaches-professors-1410890601>

Oakley, B. (2014) How We Should Be Teaching Math. *The Wall Street Journal*, Sept 22. <http://online.wsj.com/articles/barbara-oakley-repetitive-work-in-math-thats-good-1411426037>

Pam Keel's research on the long-term effects of dieting among young women was featured on CBS News, July 30. <http://www.cbsnews.com/news/dieting-at-young-age-affects-womens-health-later-in-life-study-says/>

Jim McNulty's research, "Though they may be unaware, newlyweds implicitly know whether their marriage will be satisfying," that was published last year in *Science*, was described in an article in *The Wall Street Journal*. <http://online.wsj.com/articles/new-ways-to-predict-which-marriages-will-succeed-1408636006?KEYWORDS=james+mcnulty>

Faculty Honors and Awards

Roy Baumeister

- was ranked second in the list of the top 30 most influential counseling psychologists alive today by the web site *bestcounselingdegrees.net*. <http://www.bestcounselingdegrees.net/30-most-influential-counseling-psychologists-alive-today/>
- was named one of the 30 most eminent psychologists of the modern era in a recent paper in the *Archives of Scientific Psychology*. <http://psycnet.apa.org/journals/arc/2/1/20.pdf>
- received a certificate from Thomson Reuters as a “Highly Cited Researcher,” in recognition of ranking in the top 1% of researchers for most cited documents.

Carlos Bolanos

- was named the chair of the Minority Task Force for 2015 by the American College of Neuropsychopharmacology.
- was appointed to serve as a member of the Biobehavioral Regulation, Learning, and Ethology Study Section at the NIH Center of Scientific Review.

Wally Boot was the 2014 recipient of the APA Division 20's Springer Early Career Achievement Award in Research on Adult Development and Aging.

Sara Hart received the 2014 Rebecca L. Sandak Young Investigator Award from The Society for the Scientific Studies of Reading.

In the Spotlight

The department held its 3rd annual Career Exploration Event on November 3rd. Modeled after “speed dating”, it provided undergraduate students brief exposure to over 20 diverse careers that psychology students may wish to pursue. Each career was represented by an expert in that field who gave brief descriptions of the career and answered students’ questions. The event was organized by **Barb Licht**, our undergraduate advising team (**Erin Straszewski**, **Jane Skalski**, and **Kenneth Range**) and Career Center staff, including the Center’s Career Liaison for Psychology, **Megan Waldeck**.

Edwin Megargee (Professor Emeritus) is the first honoree of the annual Edwin I. Megargee Distinguished Contribution Award. The award was presented at the Annual Research Conference of the International Community Corrections Association.

Ashby Plant was elected as a Fellow of the Society of Personality and Social Psychology.

Alan Spector received the Hoebel Prize for Creativity from the Society for the Study of Ingestive Behavior.

Jeanette Taylor was named a Fellow of the Association for Psychological Science.



Faculty Grants

Wally Boot and **Neil Charness** were awarded a new \$220,000 contract from the Florida Department of Transportation. This contract will continue their research on preventing “wrong way crashes” that are often fatal and occur when a driver goes the wrong direction on a free-way after mistakenly entering an exit ramp.

Arielle Borovsky received a three-year grant for \$439,354 from the National Institute on Deafness and other Communication Disorders. The title of the grant is “Online language processing and semantic development in late-talking infants.”

Jesse Cogle and **Brad Schmidt** received a three-year, \$639,650 grant from the National Institutes of Health. The title of the project is “Computerized anger-reduction treatment for smoking cessation.”

Thomas Joiner received a one-year, \$70,000 grant from the National Fallen Firefighters Foundation. The project will study the risk, ideation and rates of suicide among firefighters.

Colleen Kelley received a three-year, \$293,807 grant from the National Science Foundation in support of her research, titled “Memory for repeated events.”

Michael Kofler received a three-year, \$680,331 grant from the National Institutes of Health. The title of the project is “Evaluating the feasibility of central executive training for children with ADHD.”

In the Spotlight

Stan Warmath, our retired Facilities Manager whose dedication to and work on behalf of the department continues to this day, recently completed a searchable photo gallery containing over 6,000 photos, dating back decades. Stan organized photos that he, **Neil Charness**, **John Chalcraft**, **Charles Badland** and **Jon Bailey** took at our various events over the years. **Hao Wu** and **Mark Stephens** were instrumental in posting the gallery on our web site.

The gallery is at (http://psy.fsu.edu/history/photograph_collections.html). Have fun searching the site for photos of yourself and others. Please send corrections, names of unidentified people, etc., to Stan at warmath@comcast.net.

Departmental News

The Neuroscience Program is currently ranked 9th by the web site *graduateprograms.com*. The rankings are based on ratings by current and former students of the programs.

<http://click.icptrack.com/icp/relay.php?r=42838208&msgid=302636&act=K872&c=1042563&destination=http%3A%2F%2Fwww.graduateprograms.com%2Fneuroscience-graduate-programs-rankings%2F>

Four of the top seven most cited researchers at FSU are in the Psychology Department, according to *Google Scholar*. They are **Roy Baumeister** (1st), **Anders Ericsson** (2nd), **Thomas Joiner** (4th), and **Rick Wagner** (7th). http://scholar.google.com/citations?hl=en&view_op=search_authors&mauthors=%22florida+state%22

FSU is one of only 8 institutions in the world with three or more people among the top 100 most cited researchers in Psychology, according to *Google Scholar*. **Roy Baumeister** is ranked 8th and is joined by **Anders Ericsson** and **Thomas Joiner** in the top 100.

Sara Hart recently gave birth to Hart Carl Middleton.

Diana Williams recently gave birth to Callum Williams Janik.

Graduate Student Grants, Awards, and Honors

Nic Allan (Major Professor: Chris Lonigan) received a National Research Service Award. Award in the amount of \$37,624 for his project entitled, "Efficacy of an anxiety sensitivity physical concerns intervention on biomarkers."

Callie Little (Major Professor: Sara Hart) received the Rowe Award from the Behavioral Genetics Association for best student poster presentation.

Whitney Guthrie (Major Professor: Amy Wetherby) was profiled on FSU's website. Whitney received a two-year, \$59,000 Dennis Weatherstone Predoctoral Fellowship from Autism Speaks. The grant gives her the opportunity to work on her dissertation and other research projects studying children with Autism Spectrum Disorder.

Eric Parise (Major Professor: Carlos Bolanos) received a National Research Service Award in the amount of \$37,727 for his project entitled, "Neurocircuitry underlying ketamine-induced antidepressant effects during adolescence."

Caroline Silva (Major Professor: Thomas Joiner) received a dissertation grant from the FSU Congress of Graduate Students and a McKnight Dissertation Fellowship from the Florida Education Fund. The title of Caroline's dissertation is "Don't drop the ball!: Effects of a burdensomeness manipulation and the capability for suicide on a proxy for lethal approach behavior."

Kimberly Smith (Major Professor: Alan Spector) won first place in the FSU Graduate School's Three-Minute Thesis competition. Ten finalists participated in the competition, with each having just three minutes to present their thesis to a diverse, non-specialist audience and a five-member judging panel. Kimberly presented her dissertation research on "A behavioral and molecular examination of 'umami' taste."

Elizabeth Tighe (Major Professor: Chris Schatschneider) received the Ermine M. Owenby, Jr. Fund to Promote Excellence from the College of Arts & Sciences. The grant helped fund Liz's travel to the American Association for Adult Continuing Education to present her research, "An exploratory investigation of the curricular materials used in Adult Basic Education programs in Florida."

Alumni News

Mike Anestis, currently an Assistant Professor at the University of Southern Mississippi, received the prestigious Association for Behavioral and Cognitive Therapies President's New Researcher Award. Mike received his clinical psychology degree under the mentorship of Thomas Joiner.

Katie Gordon, a former clinical psychology graduate student who received her doctorate under the mentorship of Thomas Joiner, was promoted to Associate Professor with tenure at North Dakota State University.

Recent Publication Highlights

Note: The names of current or former students and postdoctoral fellows are underlined and the names of faculty are in bold.

Baumeister, R.F. (in press). Self-regulation, ego depletion, and inhibition. *Neuropsychologia*.

Baumeister, R.F., & Vonasch, A.J. (in press). Uses of self-regulation to facilitate and restrain addictive behavior. *Addictive Behaviors*.

Baumeister, R.F., Alquist, J.L., & Vohs, K.D. (in press). Illusions of learning: Irrelevant emotions inflate judgments of learning. *Journal of Behavioral Decision Making*.

Baumeister, R.F., Simpson, W.S., Ware, S.J., & Weber, D.S. (in press). The glucose model of mediation: Physiological bases of willpower as important explanations for common mediation behavior. *Pepperdine Dispute Resolution Law Journal*.

Baumeister, R. F., & MacKenzie, M. J. (2014). The value of marriage in the era of the glorified self. *Psychological Inquiry*, 25,53-55.

Borovsky, A., Sweeney, K., Elman, J. L., & Fernald, A. (2014). Real-time interpretation of fast-mapped events across childhood. *Journal of Memory and Language*, 73, 1-14.

Blocker, K., Wright, T. J., & **Boot, W. R.** (in press). Gaming preferences of aging generations. *Gerontechnology*. This paper is based on the undergraduate honors thesis of Kenneth Blocker.

DeWall, C.N., **Baumeister, R.F.**, Chester, D.S., & Bushman, B.J. (in press). How often does currently felt emotion predict social behavior and judgment? A meta-analytic test of two theories. *Emotion Review*.

Ent, M.R., & **Baumeister, R.F.** (in press). Individual differences in guilt proneness affect how people respond to moral tradeoffs between harm avoidance and obedience to authority. *Personality and Individual Differences*.

Ent, M.R., & **Baumeister, R.F.** (in press). Trait self-control and the avoidance of temptation. *Personality and Individual Differences*.

Feldman, G., **Baumeister, R.F.**, & Wong, K.F.E. (in press). Free will is about choosing: The link between choice and the belief in free will. *Journal of Experimental Social Psychology*.

Gailliot, M. T., & **Baumeister, R. F.** (in press). Race, crime, intellectual performance – and food: Poor nutrition contributes to racial differences in violence and SAT scores. *Advances in Social Sciences Research Journal*.

In the Spotlight

Does exercise make us smarter? Recent research suggests it does improve certain cognitive abilities. Or are these results due to a placebo effect? Cognitive psychology graduate student **Cary Stothart** (along with faculty member **Wally Boot** and others) addressed this question in a recent study that was described in *The NY Times Well* section: <http://well.blogs.nytimes.com/2014/11/19/does-exercise-really-make-us-smarter/?r=0>. For those of us who exercise, it's nice to know the results suggest exercise does indeed improve cognition.

Ganley, C. M., Vasilyeva, M., & Dulaney, A. (2014). Spatial ability mediates the gender difference in science performance of middle-school students. *Child Development*, 85, 1419–1432.

Hart, S.A., Mikolajewski, A.J., Johnson, W., **Schatschneider, C.**, & **Taylor, J.** (in press). Examining transactional influences between reading achievement and antisocially-behaving friends. *Personality and Individual Differences*.

Hull, E.M. & Dominguez, J.M. (in press) The neurobiology of male sexual behavior. In *Physiology of Reproduction*, 4th Edition. E. Knobil and J. Neill, Editors in Chief, T. Plant, Section Editor. Elsevier Press.

Hyson, R. L. & Carzoli, K. L. (2014) Activation of metabotropic glutamate receptors regulates ribosomes of cochlear nucleus neurons. *PLoS One*, 9(10): e111243.

Bertram, R., Daou, A., **Hyson, R.L.**, **Johnson, F.**, & Wu, W. (2014). Two neural streams, one voice: Pathways for theme and variation in the songbird brain. *Neuroscience*, 277, 806-187

Lieberman, A.M., **Borovsky, A.**, Hatrak, M., & Mayberry, R.I. (in press). Real-time processing of ASL signs: Delayed first language acquisition affects organization of the mental lexicon. *Journal of Experimental Psychology: Learning, Memory and Cognition*.

Little, C.W., **Hart, S.A.**, **Schatschneider, C.**, & **Taylor, J.** (in press). Examining associations between ADHD, homework behavior and reading comprehension: A twin study. *Journal of Learning Disabilities*.

Lynch, R. J., **Kistner, J. A.**, & Allan, N. P. (2014). Distinguishing among disruptive behaviors to help predict high school graduation: Does gender matter? *Journal of School Psychology*, 52, 407-418.

MacKenzie, M. J., & **Baumeister, R. F.** (in press). Self-regulatory strength and Mindfulness. In B. D. Ostafin, M. D. Robinson, & B. P. Meier (Eds.), *Handbook of mindfulness and self-regulation*. New York, NY: Springer.

MacKenzie, M. J., Vohs, K. D., & Baumeister, R. F. (2014). You didn't have to do that: Belief in free will promotes gratitude. *Personality and Social Psychology Bulletin*, 40, 1423-1434.

MacKenzie, M. J., & Baumeister, R. F. (2014). Meaning in life: Nature, needs, and myths. In A. Batthyany & P. Russo-Netzer (Eds.), *Meaning in positive and existential psychology* (pp. 25-37). New York, NY: Springer.

Park, J., & Baumeister, R.F. (in press). Social exclusion causes a shift toward prevention motivation. *Journal of Experimental Social Psychology*.

Purpura, D. J., & Ganley, C. M. (2014). Working memory and language: Skill specific or domain general relations to mathematics? *Journal of Experimental Child Psychology*, 122, 104-121

Reynolds, T., Winegard, B. M., Baumeister, R. F., & Maner, J. K. (in press). The long goodbye: A test of grief as a social signal. *Evolutionary Behavioral Sciences*.

Russell, V. M., McNulty, J. K., Baker, L. R., & Meltzer, A. L. (2014). The association between discontinuing hormonal contraceptives and wives' marital satisfaction depends on husbands' facial attractiveness. *Proceedings of the National Academy of Sciences of the United States of America*.

Smith K. R., & The importance of the presence of a 5'-ribonucleotide and the contribution of the T1R1 + T1R3 heterodimer and an additional low-affinity receptor in the taste detection of L-glutamate as assessed psychophysically. *Journal Of Neuroscience*, 34(39), 13234-13245.

Smith, S. D., Lynch, R. J., Stephens, H. F., & Kistner, J. A. (in press). Self-perceptions and their prediction of aggression in male juvenile offenders. *Child Psychiatry and Human Development*.

Stephens, H. F., Kistner, J. A., & Lynch, R. J. (in press). The calculation of discrepancy scores in the context of biased self-perceptions of acceptance. *Journal of Psychopathology and Behavioral Assessment*.

Stothart, C., Simons, D. J., Boot, W. R., & Kramer, A. F. (2014). Is the effect of aerobic exercise on cognition a placebo effect? *PLOS ONE*, 9(10), e109557.

Wang, Z., Hart, S.A., Kovas, Y., Lukowski, S., Soden, H., Thompson, L.A., Plomin, R., McLoughlin, G., Bartlett, C.W., Lyons, I.M., & Petrill, S.A. (in press). Who's afraid of math? Two sources of genetic variance for mathematical anxiety. *Journal of Child Psychology and Psychiatry*.

Wright, T. J., Boot, W. R., & Brockmole, J. R. (in press). Functional fixedness: The functional significance of delayed disengagement based on attention set. *Journal of Experimental Psychology: Human Perception and Performance*.

Wright, T. J., Boot, W. R., & John, J. L. (in press). Exploring the breadth of the top-down representations that control attentional disengagement. *Quarterly Journal of Experimental Psychology*.

