



Psychology

ALUMNI
NEWSLETTER

SPRING 2012



Photographs by Emily Smudde.

Practicum Experiences Help Students Make the Leap from Classes to Careers

Did anyone ever ask you, “What can you do with a degree in psychology?” Maybe your friends and parents asked you that question when you declared your major. Or maybe even you weren’t sure what you would do with your degree. While psychology is one of the top majors for undergraduates nationally, for most students, it does not lead to careers in mental health. Only 25% of students go on to graduate study in psychology (4-6% doctoral level, 20-22% master’s level) (Grocer and Kohout, 1997). Most go into other fields, such as marketing, case management, sales, advertising, labor relations, rehabilitation services, real estate, social work, child care, writing, probation/parole, and career counseling (Halonen, 2011).

For over 10 years, the WSU Psychology Department has been preparing its students to use their degrees after graduation through a service-learning course. The Undergraduate Practicum

in Psychology (Psych 445) course pairs students with agencies and businesses in the area—WSU campus, Pullman, Moscow, Colfax, Lewiston, and sometimes beyond—to expose them to careers that employ concepts, principles, and techniques they have only read about in psychology textbooks.

Practical experience is essential for students who plan to apply to competitive graduate programs in clinical or counseling psychology. It also helps students learn whether they would like to work in a certain career or with a certain population and how to apply their psychology and liberal arts skills in “real life” situations. **Amy Shackles** (’11 B.S. psychology) volunteered at WSU’s International Peer Mentoring Program and said “Psych 445 taught me to better appreciate other cultures and to problem-solve situations I wouldn’t have otherwise come into contact with.”



World Class. Face to Face.

Message from the Chair



Dear Alumni,
The 2011-12 academic year brings many changes to WSU and the College of Liberal Arts, in which the Psychology Department resides. One significant change is the merging of the College of Liberal Arts with the College of Sciences into the new College

of Arts and Sciences. Although the integration officially occurs on July 1, 2012, faculty and staff in both colleges have spent considerable time this year proposing policies and procedures by which we can best function as WSU's "super-college." The Psychology Department will continue to stand out even in the new larger college, both qualitatively and quantitatively. First, psychology has a larger number of undergraduate majors than almost all other WSU departments; statewide, there are currently over 500 certified majors and in Pullman alone we advise approximately 750 undergraduates interested in psychology. Second, our two graduate programs train a substantial number of doctoral students—there are currently 61 students on three campuses between the experimental psychology and clinical psychology doctoral programs. Third, the total student credit hours taught by psychology instructors is astounding. Statewide, nearly 6,000 grades were issued in psychology courses for the fall 2011 semester alone! As for quality, within this single newsletter you can read about a wide range of exciting accomplishments by our faculty and students over the past year, of which I am very proud.

This year we also embarked on developing the new undergraduate general education scheme, "UCORE." Thus far, PSYCH 105 has been approved as a "SSCI" (inquiry in the social sciences) general education requirement. We will develop several more UCORE courses in the coming year, so that both psychology majors and non-majors can continue to explore their interests in psychology while meeting their general education requirements. To further increase flexibility for both on-campus and distance students, we also are developing an online psychology bachelor's degree. We expect this degree program to be fully available to students everywhere in Washington State (and the world!) by next year.

In closing, I thank all of you, our faithful Cougar alumni, for continued support of your alma mater. Despite ever-waning financial support from the Washington State Legislature, we strive to offer high-quality educational experiences to all students interested in psychology—and your continued generous support enables us to do so. Although the days of small undergraduate psychology courses (in Pullman) are probably gone forever, we increasingly apply modern technology and pedagogical methods to increase our interaction and engagement with all students, even in our very largest lecture courses. Among other things, your financial support provides grants for undergraduate research and conference travel, as well as performance and travel awards for graduate students. We aim for excellence in all that we do, and we deeply appreciate your help in achieving this goal.

—Rebecca Craft, Professor and Chair



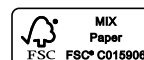
We Would like to Hear from You

We are very interested in hearing from our alumni. You can find us at www.wsu.edu/psychology. Just click on the Alumni and Friends link. This site provides information relevant to alumni. You may view the alumni newsletter online, submit your news for future newsletters, and obtain information about how to make a financial contribution to the Department of Psychology or the College of Liberal Arts. Please take a moment to visit us online at www.wsu.edu/psychology. We look forward to hearing from you.



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Honors and Acknowledgements

Len Burns (professor) was elected a fellow in Division 5, Measurement, Evaluation, and Statistics, of the American Psychological Association.

Len Burns (professor) received the College of Liberal Arts Excellence in Graduate Teaching and Mentoring Award for 2012.

Rebecca Craft (professor and department chair) was honored with the 2011 Samuel H. Smith Leadership Award from the WSU Association for Faculty Women (AFW).

Maureen Schmitter-Edgecombe (professor) was named an Edward R. Meyer Distinguished Professor (2011–2014).

Brendan Walker (assistant professor) received the 2011 Young Investigator Award from the National Institute on Alcohol Abuse and Alcoholism, the 2011 Early Career Investigator Award from the National Institute on Drug Abuse, and the College of Liberal Arts Early Achievement in Scholarship Award. Brendan was also promoted to associate professor, effective August 2012.

Jay Wright (professor) was appointed as senior editor-in-chief of the *International Journal of Proteins and Peptides*, a new online journal that presented its first issue in January 2012.

Grants

Art Blume (professor, WSU Vancouver) received a grant titled "Relationship of Racial-Ethnic Microaggressions, Mental Health Variables, and Academic Outcomes Among Students of Color" from the WSU Vancouver Faculty Grant Program.

Len Burns (professor) and his colleague Mateu Servera (University of the Balearic Islands) were awarded a three-year research grant from the Spanish Ministry of Science and Education to conduct a longitudinal study with children in Madrid and Majorca titled "Using Sluggish Cognitive Tempo Symptoms and a Longitudinal Design to Improve our Understanding of Attention-Deficit/Hyperactivity Disorder."

Dennis Dyck (professor and vice chancellor for research, WSU Spokane) received funds from the Health Sciences and Services Authority of Spokane County to support writing a business plan for a multidisciplinary health care clinic for underserved populations on or near the Riverpoint campus. The facility would provide a new place for people with little or no insurance to get health care while offering interprofessional training and research opportunities for students and faculty in roughly a dozen health sciences programs on the Riverpoint campus.

Lisa Fournier (associate professor; director of experimental training), **Masha Gartstein** (associate professor), and **Elizabeth Soliday** (associate professor, WSU Vancouver) were each awarded External Mentor Grants by WSU ADVANCE, an NSF-supported initiative for creating opportunities for women in the STEM (science, technology, engineering, and mathematics) disciplines. These grants will support the pursuit of possible research collaborations with individuals at other institutions. Lisa will work with Dr. Gordon Logan at Vanderbilt University, Masha will work with Dr. Martha Ann Bell at Virginia Tech University, and Elizabeth will work with Dr. Janine Janoskey at the Austen Bioinnovation Institute.

Masha Gartstein (associate professor) was awarded a grant from the National Science Foundation titled "Application of EEG Techniques with Young Children: Enhancing Temperament Research at WSU." Martha Ann Bell (Virginia Tech) is a co-principal investigator on this grant.

John Hinson (professor), **Paul Whitney** (professor; associate dean for research, College of Liberal Arts), and **Hans Van Dongen** (research professor; assistant director of the Sleep and Performance Research Center, WSU Spokane) were awarded a two-year National Institute of Health R21 grant titled "Information Throughput in Risky Decision Making Underlying Self-Regulation."

Mike Morgan (professor, WSU Vancouver) was awarded a grant from the WSU Alcohol and Drug Abuse Research Program titled "Contribution of the Periaqueductal Gray to Morphine Withdrawal."

Tahira Probst (professor, WSU Vancouver) was awarded a grant from the Society for Human Resource Management titled "Organizational Safety Climate and Supervisor Safety Enforcement: Multi-level Explorations of the Causes of Accident Under-Reporting." Tahira also received a Meyer Project Award from the College of Liberal Arts for her project titled "Organizational Safety Climate and Supervisor Safety Enforcement: Multi-level Explorations of the Causes of Accident Under-Reporting."

Paul Strand (associate professor, WSU Tri-Cities) received a John D. and Catherine T. MacArthur Foundation Models for Change grant titled "Promoting Sustainability in Truancy and Juvenile Justice Reform." This grant will support work with Spokane Juvenile Court Services to replicate a model in five county school districts which was previously successful in Spokane's West Valley School District in decreasing truancy, an early warning sign of delinquent activity, social isolation, and educational failure. Co-principal investigators of this grant include Nicholas Lovrich (Regent's Professor emeritus, political science) and Christina Sanders (western Washington project manager, DGSS). Paul received another grant, along with Scott Grewe, from the Carson Kolzig Foundation titled "Training Program for Advanced Ph.D. Students in Clinical Child Psychology." A portion of these funds will be administered through the Tri-Cities Neuropsychology Clinic. Finally, Paul received a Research Faculty Travel Grant from the College of Liberal Arts. Paul will use this grant to travel to Ireland to collaborate with researchers at the National University of Ireland. He will translate verbal and relational training procedures to the Head Start setting to improve the IQ scores of preschoolers at risk for school failure.

Sarah Tragesser (assistant professor, WSU Tri-Cities) was awarded a grant from the WSU Alcohol and Drug Abuse Research Program titled "Borderline Personality Disorder Features and Risk for Prescription Opioid Use Disorders in a Pain Patient Sample."

Brendan Walker (assistant professor) was awarded a grant from the Hope for Depression Research Foundation for his project "Role of Central Kappa-Opioid Receptors in Altered Ultrasonic Vocalizations as a Measure of Depressive Affect Induced by Addictive Drugs."

Paul Whitney (professor; associate dean for research, College of Liberal Arts) was awarded a grant from the National Endowment for the Arts for "A Community-Based Cycle of Sustained Arts Education." The grant will expand the Arts for Children's Enrichment (ACE) project from six Washington counties to eight and support additional learning outcomes assessment.

Jay Wright (regents professor) and Joe Harding (professor, VCAPP) were awarded a Michael J. Fox Foundation grant titled "Development of Small Molecule Hepatocyte Growth Factor Mimetics for the Treatment of Parkinson's Disease." This is the first Michael J. Fox Foundation grant received by WSU. It will focus on the use of a newly developed orally active drug that promotes brain neurogenesis and synaptogenesis.

Presentations and Publications

Celestina Barbosa-Leiker (assistant professor, WSU Spokane), **Bruce Wright** (clinical associate professor), **Len Burns** (professor), **Craig Parks** (professor), and **Paul Strand** (associate professor, WSU Tri-Cities) published a paper titled “Longitudinal measurement of the Metabolic Syndrome: Is the assessment of the Metabolic Syndrome stable over time?” in the journal *Annals of Epidemiology*. Celestina also presented a paper titled “Comparing frequently used missing data strategies to maximum likelihood in the context of repeated measures with clinical CTN data” at the 119th annual convention of the American Psychological Association in Washington, D.C. This paper was coauthored by **Sterling McPherson** (assistant research professor, WSU Spokane), **Len Burns** (professor), John Roll (associate dean of nursing, WSU Spokane), and D.N. Howell.

Stephanie Bauman (associate professor, WSU Tri-Cities), with coauthors M. Acker-Hocevar and D. Talbot, presented “Who am I? What place is this? A multiple discipline model for understanding school to college transition” at the National Council of Professors of Educational Administration in Portland, Oregon. Stephanie also presented a poster titled “Making connections: A cross-disciplinary, strengths-based exploration of belonging and sense making of diverse college students” at the American Psychological Association in Washington, D.C.

Theodore Beauchaine (professor) published papers in *Psychophysiology* (“Pre-ejection period reactivity and psychiatric comorbidity prospectively predict substance use initiation among middle-schoolers: A pilot study” coauthored by S.L. Brenner), the *Journal of Clinical Child and Adolescent Psychology* (“Combining parent and child training for young children with attention-deficit/hyperactivity disorder” coauthored by C. Webster-Stratton and M.J. Reid), the *Journal of Abnormal Child Psychology* (“Differentiating adolescent self-injury from adolescent depression: Possible implications for borderline personality development” coauthored by S.E. Crowell, R. Hsiao, C.A. Vasilev, M. Yaptangco, M.M. Linehan, and E. McCauley), *Development and Psychopathology* (“The effects of allostatic load on neural systems subserving motivation, mood regulation, and social affiliation” coauthored by E. Neuhaus, M. Zalewski, S.E. Crowell, and N. Potopova), and the *Israel Journal of Psychiatry and Related Sciences* (“Mothers of children with inflammatory bowel disease: A controlled study of adult attachment classifications and patterns of psychopathology” coauthored by N. Szajnberg, M. Elliott-Wilson, and E. Waters).

Art Blume (professor, WSU Vancouver), along with coauthors K.B. Schmaling and M.L. Russell, published a paper in *Military Psychology* titled “Intimate partner violence and relationship dissolution among reserve soldiers.” Art published another paper titled “Alan Marlatt, Addictive Behaviors editorial board member, will be missed” in the journal *Addictive Behaviors*. Finally, Art delivered presentations at the National NIDA American Indian/Alaska Native Mentorship Program annual meeting in Portland, Oregon (“Grant writing/proposal development”) and the Society of Indian Psychologists National Conference, Student Organization in Logan, Utah (“Being Indian, working in academia, and how you can use that work to help Native people”).

Len Burns (professor), along with coauthors J.A. Walsh, M. Servera, U. Lorenzo-Seva, E. Cardo, and A. Rodríguez-Fornells presented “A

multiple indicator approach to the multitrait by multisource construct validity matrix: Mothers’, fathers’, and teachers’ ratings of the ADHD and ODD symptoms for Thai adolescents and Spanish children” at the Modern Methods of Modeling Conference at the University of Connecticut in Storrs, Connecticut.

Rebecca Craft (professor, department chair), **Alexa Wakley** (doctoral student), **Kimberly Tsutsui** (’10 M. S. psychology), and **Jillian Laggart** (’09 B.S. psychology) published “Sex differences in CB₁ versus CB₂ receptor-selective antagonism of antinociception produced by Δ⁹-tetrahydrocannabinol and CP55,940 in the rat” in *The Journal of Pharmacology and Experimental Therapeutics*.

Armando Estrada (associate professor, WSU Vancouver), **Tahira Probst** (professor, WSU Vancouver), Jeremiah Brown (’03 B.S. psychology, ’07 M.S. psychology), and **Maja Graso** (’11 Ph.D. psychology) published “Evaluating the psychometric and measurement characteristics of a measure of sexual orientation harassment” in the journal *Military Psychology*.

Paul Kwon (associate professor) and Z. Tollman presented a paper titled “Rumination about stressful life events: A longitudinal study of depression” at the 119th Annual Conference of the American Psychological Association in Washington, D.C.

Steve Lakatos (associate professor, WSU Vancouver) presented two papers at the International Conference on the Teaching of Psychology in Vancouver, Canada. The first was titled “Transforming research methods training through a problem-based learning laboratory” and was coauthored by J.P. Walthers and G.L. Gabbert. The second was titled “Increasing knowledge retention in undergraduate statistics through the incorporation of problem-based learning projects,” coauthored by G.L. Gabbert.

David Marcus (professor; director of clinical training) published papers in the *Journal of Abnormal Psychology* (“Does attention-deficit/hyperactivity disorder have a dimensional latent structure? A taxometric analysis” coauthored by T.D. Barry), *Psychological Assessment* (“Is risky sexual behavior continuous or categorical? A taxometric analysis of the sexual risk survey” coauthored by J.J. Fulton and J.A. Turchik), the *Journal of Counseling Psychology* (“The therapeutic alliance in adolescent substance abuse treatment: A one-with-many analysis” coauthored by D.A. Kashy, M.B. Wintersteen, and G.S. Diamond), *Scientific Review of Mental Health Practice* (“Taxometrics and evolutionary theory: The case of the psychopathic sexuality taxon” coauthored by G.M. Sanford, J.F. Edens, R.A. Knight, and G.D. Walters), *Law and Human Behavior* (“Exploring the taxometric status of psychopathy among youthful offenders: Is there a juvenile psychopath taxon?” coauthored by J.F. Edens and M.G. Vaughn), the *Journal of Clinical Psychology* (“Irrational health beliefs and health anxiety” coauthored by J.J. Fulton and T. Merkey), the *Journal of Psychiatric Research* (“The latent structure of alcohol use pathology in an epidemiological sample” coauthored by B.A. Green, A.O. Ahmed, and G.D. Walters), *Psychological Assessment* (“The latent structure of pedophilia as assessed by the Multiphasic Sex Inventory: A taxometric analysis” coauthored by J.E. Mackaronis and D.S. Strassberg), and *Behavioral Sciences and the Law* (“In search of the psychopathic sexuality taxon: Indicator size does matter” coauthored by G.D. Walters, J.F. Edens, R.A. Knight, and G.M. Sanford).

Sterling McPherson (assistant research professor, WSU Spokane) and **Craig Parks** (professor) published a paper titled "Intergroup and interindividual resource competition escalating into conflict: The elimination option" in the journal *Group Dynamics: Theory, Research, and Practice*. Sterling also presented a paper at the 119th Annual Convention of the American Psychological Association in Washington, D.C., titled "A comparison of two common missing data strategies to multiple imputation with clinical CTN data." It was coauthored by **Celestina Barbodasa-Leiker** (assistant professor, WSU Spokane), **Len Burns** (professor), D.N. Howell, and John Roll (associate dean of nursing, WSU Spokane).

Mike Morgan (professor, WSU Vancouver) published articles in *British Journal of Pharmacology* ("Analysis of Opioid Efficacy, Tolerance, Addiction, and Dependence from Cell Culture to Human" coauthored by M.J. Christie), *The Journal of Pain: Official Journal of the American Pain Society* ("The influence of non-nociceptive factors on hot plate latency in rats" coauthored by A. Gunn, E.N. Bobeck ['04 B.S. psychology, '10 M.S. psychology], and C. Weber), and *Brain Research* ("Environmentally induced antinociception and hyperalgesia in rats and mice" coauthored by A.M. Cornelio, A.M. Mendes-Gomes, and R.L. Nunes-de-Souza).

Tahira Probst (professor, WSU Vancouver) published papers in *Stress and Health* ("On the use, misuse, and absence of theory in stress and health research") and *Applied Psychology: An International Review* ("A Swiss-U.S. comparison of the correlates of job insecurity" coauthored by C. Koenig, S. Staffen, and **Maja Graso** ['11 Ph.D. psychology]). Tahira also coauthored several presentations, including: "Praying for security: The role of religion in moderating outcomes of job insecurity" presented at the Academy of Management in San Antonio, Texas; "The social safety net and its effect on outcomes of job insecurity" presented at the Work, Stress, and Health Conference in Orlando, Florida; "Catch me if I fall! Country-level resources in the job insecurity-job attitudes link" presented at 15th European Congress of Work and Organizational Psychology in Maastricht, The Netherlands; and "Individual and organizational strategies for coping with job insecurity," "Organizational communication: A buffer in times of job insecurity?" and "Leader-member exchange: How supervisor-employee relationships moderate outcomes of job insecurity" at the Society for Industrial and Organizational Psychology in Chicago, Illinois.

Maureen Schmitter-Edgecombe (professor) published papers in the *Journal of the International Neuropsychological Society* ("Cognitive correlates of functional performance in older adults: comparison of self-report, direct observation, and performance based measures" coauthored by **Carolyn Parsey** ['09 B.S. psychology, B.A. sociology; '11 M.S. psychology] and Diane Cook (professor, EECS), *IEEE Transactions on Knowledge and Data Engineering* ("Discovering activities to recognize and track in a smart environment" P. Rashidi, D.J. Cook, and L. Holder), the *Journal of Clinical and Experimental Neuropsychology: Official Journal of the International Neuropsychological Society* ("Predictions of verbal episodic memory in persons with Alzheimer's disease" coauthored by **Adrianna Seelye** [doctoral student]), *IEEE Pervasive Computing* ("Gerontechnology education: Beyond the barriers" coauthored by D.J. Cook and L. Holder), *Neuropsychology* ("Recovery of time estimation following moderate to severe traumatic brain injury" coauthored by J.

Anderson), and *The Journal of Head Trauma Rehabilitation* ("The impact of verbal memory encoding and consolidation deficits during recovery from moderate-to-severe traumatic brain injury" coauthored by **Matthew Wright** ['06 Ph.D. psychology]). Maureen also presented a paper titled "Cognitive correlates of functional performance in older adults: Comparison of self-report, direct observation, and performance-based measures" at the National Academy of Neuropsychology at Marco Island, Florida. She coauthored, along with C. Aguilar and J. Anderson, a paper presented at the 91st annual meeting of the Western Psychological Association in Los Angeles, California, titled "The (lack of) relationship between working memory and verbal time estimation."

Elizabeth Soliday (associate professor, WSU Vancouver) released her new book, *Childbirth in a Technocratic Age: The Documentation of Women's Expectations and Experiences*. You can read about it at cambriapress.com/cambriapress.cfm?template=4&bid=501. Elizabeth also presented a paper titled "Maternal medical patients' rights, autonomy, and contemporary obstetric care" and coauthored a second titled "Symposium on a maternal autonomy, technology, and childbirth" at the Central Division Meeting of the American Philosophical Association in Minneapolis, Minnesota. Finally, she authored an entry in *The Multimedia Encyclopedia of Women in Today's World* titled "Prenatal Care."

Paul Strand (associate professor, WSU Tri-Cities), **Kacy Pula** (doctoral student), **Craig Parks** (professor), and S. Cerna published "Exploring the time-dependent relationship between shyness and receptive language skills development in a linguistically diverse sample of at-risk preschoolers" in the *Journal of Applied Developmental Psychology*. Paul also presented a paper titled "PLCs and developmentally appropriate practice: What can preschool and elementary teams learn from each other?" at the Washington State Educational Services District 123 Rtl/PLC Institute and coauthored another titled "Transitions of truants: Community truancy board as a turning point in the lives of adolescents" presented at the annual meeting of the American Society of Criminology in Washington, D.C.

Sarah Tragesser (assistant professor, WSU Tri-Cities) presented a paper titled "Associations between Borderline Personality Disorder features and pain complaints" at the XIIth International Congress, International Society for the Study of Personality Disorders in Melbourne, Australia. She coauthored a paper published in *Journal of Abnormal Psychology* titled "Distinguishing general and specific personality disorder features and implications for substance dependence comorbidity."

Brendan Walker (assistant professor) delivered two invited presentations, titled "Behavioral neurobiology of escalated alcohol self-administration and negative affect induced by dependence" and "Targeting dynorphin/kappa-opioid receptor systems to treat alcohol abuse and dependence" at the 2011 Alcoholism and Stress: A Framework for Future Treatment Strategies conference in Volterra, Italy. Brendan's research was featured in the February issue of Alaska Airlines' magazine and in the winter 2011-12 issue of the WSU Honor's College Excellence newsletter.

Lauren Warren (clinical assistant professor) published papers in *Alzheimer's and Dementia* ("Operationalizing diagnostic criteria for Alzheimer's disease and other age-related cognitive impairment- Part I" coauthored by R. Mayeux, C. Reitz, A. Brickman, M. Haan, M., J.J. Manly, M.

Glymour, C. Weiss, K. Yaffe, L. Middleton, H. Hendrie, K. Hayden, K. Welsh-Bohmer, J. Breitner, and J. Morris) and *Alzheimer Disease and Associated Disorders* ("Factor structure of the National Alzheimer's Coordinating Centers Uniform Dataset Neuropsychological Battery: An evaluation of invariance between and within diagnostic groups over time" coauthored by K. Hayden, R. Jones, C. Zimmer, B. Plassman, J.N. Browndyke, C. Pieper, and K. Welsh-Bohmer). Lauren also coauthored papers presented at the American Academy of Clinical Neuropsychology in Washington, D.C. ("*Executive functioning as a predictor of post-operative delirium*" coauthored by D.K. Attix and T. Monk) and the American Society of Anesthesiologists annual meeting in Chicago, Illinois ("*Preoperative cognition, not the type of anesthesia, predicts postoperative delirium*" coauthored by T. Monk, D. McDonagh, G. Martin, and D.K. Attix).

Jay Wright (professor) and Joe Harding (professor, VCAPP) published "Brain renin-angiotensin—a new look at an old system" in the journal *Progress in Neurobiology*. Jay coauthored additional papers published in *The Journal of Pharmacology and Experimental Therapeutics*

("Facilitation of hippocampal synaptogenesis and spatial memory by C-terminal truncated Nle1-angiotensin IV analogs" coauthored by C.C. Benoist, M. Zhe, S. Appleyard, G.A. Wayman, and Joe Harding and "Mimics of the dimerization domain of hepatocyte growth factor exhibit anti-Met and anticancer activity" coauthored by L. Kawa, B.J. Yamamoto, and Joe Harding), *Pharmacology, Biochemistry and Behavior* ("Nicotine-induced conditioned place preference in adolescent rats" coauthored by R. Natarajan and Joe Harding and "Nicotine-induced conditioned place preference in adolescent female rats" coauthored by R. Natarajan and Joe Harding), the *Journal of Biomedicine and Biotechnology* ("Placental leucine aminopeptidase- and aminopeptidase A-deficient mice offer insight concerning the mechanisms underlying preterm labor and preeclampsia" coauthored by S. Mitzutani and H. Kobayashi), and *Life Sciences* ("A new approach regarding the treatment of preeclampsia and preterm labor" coauthored by S. Mitzutani, and H. Kobayashi). Finally, Jay's book titled *The Wright Teaching Tips* was published by McGraw-Hill. This text contains strategies and techniques for beginning college and university instructors.

Student News

Undergraduate

Regan Atwood (junior, psychology) and **Kelsey McNabb** (junior, psychology) each received the Evelyn Hacker scholarship from the College of Liberal Arts for 2012-2013.

Davina Fitzgibbon (senior, psychology; mentor **Mike Morgan**) was awarded an undergraduate research grant from the Alcohol and Drug Abuse Research Program titled "Changes in the duration of antinociception following tolerance to morphine, fentanyl, and DAMGO microinjections into the PAG of the rat."

Michelle Fox (senior, neuroscience; mentor **Rebecca Craft**) received an Undergraduate Research Grant from the Department of Psychology to conduct an independent research project titled "Hormone modulation of systemic THC-induced antinociception."

Sabrina Gonzales (senior, psychology; mentor **Lisa Fournier**) received an Undergraduate Research Grant from the Department of Psychology to conduct an independent research project titled "*Attentional bias and anxiety*."

Steven Kallio (senior, psychology; mentor Mike Morgan) was awarded an undergraduate research grant from the Alcohol and Drug Abuse Research Program titled "Analysis of sex differences in morphine withdrawal using a place conditioning paradigm."

Louis Neira (senior, psychology; research mentor **Brendan Walker**) and **Ram Kandasamy** (senior, neuroscience; research mentor **Rebecca Craft**) were each awarded an Auvil Scholar Fellowship.

Daniel Reis (senior, psychology), **Alexa Powell** ('11 B.S. psychology), **Angela Williams** (master's student), and **Brendan Walker** (assistant professor) published "Physiological withdrawal signs and negative affective behavior during spontaneous withdrawal in alcohol- and opiate-dependent rats" in the *Society for Neuroscience Abstracts*. Daniel was also awarded a travel grant from the Department of Psychology to present his research at the Society for Neuroscience meeting in Washington, D.C.

Megan Wilson (senior, neuroscience; research mentor Jay Wright) received an Undergraduate Research Grant from the Department of Psychology to conduct an independent research project.

Graduate

Congratulations to the following students who completed significant milestones in their graduate training in 2011-2012:

Defended master's thesis:

Shervin Bazmi, Patrick Bertotti-Metoyer, Ekaterina Burduli, Girwan Khadka, Melissa Mehalick, Carolyn Parsey, Chad Sanders, Kimber Saville, and Kimberly Tremblay.

Passed preliminary examinations:

Wendi Benson, Patrick Bertotti-Metoyer, Scott Creamer, Dana Grip, Lixin Jiang, Christina Low, Kristin Onorati, Adriana Seelye, and Lora Wu.

Defended doctoral dissertations:

Carolyn Anderson, Michelle Cyr, Katherine Geiger, Jill Gjerde, Maja Graso, SoYean Lee, Kristine Olson, Jason Rogers, Francesca Shipp, Heather Swanson, Alexandra Terrill, and Lisa Tripp.

Lawrence Behmer (graduate student) received the Burgess Brothers Memorial Scholarship for the 2012-2013 academic year. Walter, Edwin, Harland, and Howard Burgess attended Washington State College, graduating between 1910 and 1924. The scholarship was established by a trust from Edwin and Ruth Burgess to honor the four brothers and to recognize

students who demonstrate a strong commitment to learning and service. In addition, Lawrence and **Lisa Fournier** (associate professor) presented a paper titled "Stronger mu- and beta-desynchronization in low- vs. high-span individuals during action planning" at the 50th annual meeting of the Psychonomic Society in Seattle, Washington.

Patrick Bertotti-Motoyer ('11 M.S. psychology), **Len Burns** (professor), and J. Pastore presented "Alcohol use disorders: A confirmatory factor analysis and latent class analysis of the latent structure of alcohol use symptoms" at the 119th annual convention of the American Psychological Association in Washington, D.C.

Erin Bobeck ('04 B.S. psychology, '10 M.S. psychology) received the Psychology Department's Graduate Student Excellence Award.

Dana Grip (doctoral student) presented a paper titled "Translating ADHD animal models to human models using a computer game" at the annual convention of the Association for Behavior Analysis International in Denver, Colorado. This paper was coauthored by **Paul Strand** (associate professor, WSU Tri-Cities).

Girwan Khadka ('11 M.S. psychology) and **Len Burns** (professor) presented "Invariance of an ADHD-IN, ADHD-HI, ODD, academic, and social competence five-factor model across different samples of Thai Adolescents" at the 119th annual convention of the American Psychological Association in Washington, D.C.

Courtney McAlister (graduate student), **Joyce Tam** (graduate student), and **Maureen Schmitter-Edgecombe** (professor) presented a paper titled "An ecologically valid assessment of executive function in healthy older adults: The day out task" at the National Academy of Neuropsychology in Marco Island, Florida.

Carolyn Parsey ('09 B.S. psychology, B.A. sociology; '11 M.S. psychology) and **Maureen Schmitter-Edgecombe** (professor) published "Quantitative and qualitative analyses of the Clock Drawing Test in mild cognitive impairment and Alzheimer's Disease: Evaluation of a modified scoring system" in the journal *Aging, Neuropsychology and Cognition*. Carolyn also presented papers at the 39th annual meeting of the *International Neuropsychological Society* in Boston, Massachusetts ("Effects of normal aging on instrumental activities of daily living in a smart environment" coauthored by Maureen Schmitter-Edgecombe, A. Hulbert, and Diane Cook) and the Festival of International Conferences on Caregiving, Disability, Aging and Technology in Toronto, Canada ("Measures of everyday functioning in a smart environment: An evaluation of direct observation and data mining techniques" coauthored by P. Dawadi, Maureen Schmitter-Edgecombe [professor], and Diane Cook [professor, engineering]).

Finally, Carolyn was the recipient of the Frank and Irene Potter Memorial scholarship from the College of Liberal Arts.

Kacy Pula ('09 M.S. psychology) accepted a tenure-track position in psychology at St. Michael's College in Vermont.

Chad Sanders ('07 B.S. psychology, '08 B.A. sociology, '11 M.S. psychology) presented a paper titled "Identifying the nature of impairment in planning ability with normal aging" at the National Academy of Neuropsychology at Marco Island, Florida. This paper was coauthored by M. Kovacs, B. Walton, and **Maureen Schmitter-Edgecombe** (professor).

Joyce Tam (graduate student) presented a paper titled "Prospective memory and everyday memory lapses in individuals with mild cognitive impairment" at the National Academy of Neuropsychology at Marco Island, Florida. This paper was coauthored by **Courtney McAlister** (graduate student), and **Maureen Schmitter-Edgecombe** (professor).

Kimberly Tsutsui ('10 M.S. psychology), R.I. Wood, and **Rebecca Craft** (professor, department chair) published "Anabolic-androgenic steroid effects on nociception and morphine antinociception in male rats" in *Pharmacology, Biochemistry, & Behavior*.

Alexa Wakley (doctoral student) was awarded a doctoral scholarship from the WSU Graduate School for outstanding research and scholarship among doctoral students at WSU. Alexa also received a travel award from the College on Problems of Drug Dependence (CPDD) to present her dissertation research at their annual meeting (June 2012 in Palm Springs, California).

Alexa Wakley (doctoral student) and **Rebecca Craft** (professor, department chair) published "Antinociceptive and motoric effects of intracerebroventricular Δ^9 -tetrahydrocannabinol in female vs. male rats" in the journal *Behavioural Brain Research* and "Methadone-THC and naltrexone-THC interactions on discrimination, antinociception, and locomotion in rats" in the journal *Behavioural Pharmacology*.

Angela Williams (graduate student) presented a paper titled "Chronic intermittent ethanol vapor and pulsatile heroin produce dependence as measured by increased somatic signs and ultrasonic vocalizations during spontaneous withdrawal in Wistar rats" at the Anxiety and Depression: 21st Neuropharmacology Conference in Falls Church, Virginia. This paper was coauthored by **Daniel Reis** (senior, psychology), **Alexa Powell** ('11 B.S. psychology), and **Brendan Walker** (assistant professor).



And the experiences are varied. For example, students can volunteer in child care and education, child protective services, human resource departments, academic mentoring, law enforcement, assault and crime victim services, sexual health and reproductive services, and geriatric services. The staff at these agencies and businesses are willing (not obligated) to educate, supervise, and mentor our students. They provide a

service to our students that a purely academic program cannot provide. In return, our students are providing a service to the community—answering hotline calls, educating their peers about healthy living, and providing structure and support to people recovering from serious mental illness, just to name a few.

Volunteering alone does not guarantee a good learning experience.



Since fall 1999, under the instruction of **Jennifer Luboski, Ph.D.**, approximately 625 students have participated in the practicum class. Students have enjoyed their experiences and commented that the class has helped them decide on future careers. The Department of Psychology wishes to thank all of the sites (listed below) that have generously offered placements to our students over the past 12 years. We could not do it without you!

Alternatives to Violence of the Palouse
Aspen Park Healthcare
Associated Industries
Avalon Care Center
Beyond Survival
Bishop Place Senior Living
C & R
Care Net of the Palouse & WISH Medical
Cedar Apartments
Children's Home Society
Children's NETT
Clark House
Coeur d'Alene Tribe Social Services
Department
Colfax High School
Commencement Bay Rowing Club
Community Action Center
Dreamworks Residential
Early Learning Services
Emmanuel Baptist Church
Enterprise for Progress in the Community—
Head Start

Family Home Care and Hospice
First Steps to Parenting
Franklin Elementary School
Union Gospel Mission of Gray's Harbor—
Friendship House Women's Shelter
Gritman Medical Center
Harvest House
Head Start/ECEAP & Community Child
Care Center
Independent Psychologists
The Learning Center
Living Faith Fellowship
Medical Lake Elementary School
Milestone Decisions
The Montessori School of Pullman
Nez Perce County Court Services
Northeast Washington Early Childhood
Programs
Northwest Children's Home
Oakesdale School District

Palouse Discovery Science Center
Palouse Recovery Center
Palouse River Counseling
Palouse Regional Crisis Line
Phillips Agency
Pioneer Square Social Services
Planned Parenthood
Pullman High School & Eclipse Alternative
Program
Pullman Parks & Recreation
Pullman Regional Hospital
Rainbow School
Schweitzer Engineering Laboratories
Sunnyside Elementary School
Sunnyside Preschool & Childcare
University of Idaho Human Resources
WA Department of Social & Health Services/
Department of Children & Family Services
Whitman County Court Appointed Special
Advocates (CASA)
Whitman County Jail
Whitman County Juvenile Court

That is why students also participate in the seminar portion of Psych 445. Students journal about their practical experiences; learn about and apply professional and ethical standards; learn how to manage working relationships, stress, and burnout; and explore career interests. A current student, **Sabrina Gonzales** (senior, psychology), who has

volunteered at a Pullman agency through the class and on her own said, “Although I gained a lot out of the summer [volunteer experience], I like that these journal assignments orient me toward thinking about my experiences at Harvest House, and it’s a nice way to tie together the information I’m receiving through my other classes and internships.”



Photographs by Emily Smudde.

Washington State University
Athletic Department
Peer Academic Counseling
Academic Resource Center
Sports Psychology Services
Center for Advising and Career Development
Center for Civic Engagement
Center for Entrepreneurial Studies and entrepreneurship class
Children’s Center
Gender Identity/Expression Sexual Orientation Resource Center

Washington State University (cont.)
Health & Wellness
Cougar Health Awareness Team (CHAT)
Eating Disorder Prevention Program
Health research
HIV/STI Peer Counseling Program
Safe Is Sexy
SIRC & CEAK
Human Resource Services
International Center
Marketing Department
People Pet Partnership

Washington State University (cont.)
Pet therapy program
Palouse Area Therapeutic Horsemanship (PATH) & PATH to Success
Police Department
Read for Life
SMART Home Project
Student Advising and Learning Center Peer Advising Program
Swim Gym Program
YMCA
Yakima Valley Farm Workers Clinic
Behavioral Health Services—Rainbow Vista

References

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- Jane S. Halonen, Ph.D. Professor of Psychology & Dean of the College of Arts & Sciences, University of West Florida. In consultation with Chairs of Psychology Departments in Florida & the American Psychological Association.
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- Grocer, S., & Kohout, J. (1997). The 1995 APA survey of 1992 baccalaureate recipients. cogdop.org/page_attachments/0000/0200/FLA_White_Paper_for_cogop_posting.pdf.
- Washington, DC: American Psychological Association. www.apa.org/workforce/publications/95-bacc/index.aspx.

Theodore Beauchaine



Theodore “Ted” Beauchaine joined the Department of Psychology in July 2011. His research examines how biological predispositions toward impulsivity, trait anxiety, and negative affectivity interact with environmental experience to either amplify or mollify risk for numerous childhood and adolescent disorders, including ADHD, delinquency, depression, and

self injury. Through the use of psychophysiological methods, including functional neuroimaging (fMRI), Ted explores how children's brains respond to specific environmental stimuli. He is particularly interested in determining how the responses of children with ADHD, conduct problems, and depression differ from those of children without these conditions. In addition, Ted's work explores how changes in family interaction quality can help children with these predispositions better regulate their own behavior. Ted's research has been supported by grants from the National Institute of Child Health and Human Development, the National Science Foundation, the National Institute of Mental Health, and National Institute on Drug Abuse. To date, Ted's prolific research career includes two books, more than 75 book chapters and journal articles, and nearly 70 conference presentations and invited lectures. He is currently the associate editor

of the journal *Psychophysiology* and a consulting editor of the *Journal of Abnormal Psychology* and *Psychological Science*.

Ted earned his bachelor's degree in psychology at Portland State University in 1993 before pursuing his master's and doctoral degrees in clinical psychology at the State University of New York at Stony Brook, degrees he completed in 1997 and 2000, respectively. Following his clinical internship at the University of California, San Diego School of Medicine (1999-2000), Ted joined the faculty at the University of Washington (2000). He achieved tenure at UW in 2005 and was awarded the prestigious Robert Bolles and Yasuko Endo Endowed Professorship in 2006. He spent one year at Stony Brook University (2010-2011) as professor of psychology before joining WSU. Ted's significant contributions to the field have been recognized with the American Psychological Association's Distinguished Scientific Award for Early Career Contribution to Psychology (2006) and the Joseph Zubin Memorial Fund Award for Early Career Contributions to Research on Psychopathology (2009). While at the University of Washington, Ted was twice recognized for his skill as a mentor and teacher with the UW Postdoctoral Association Postdoctoral Mentor Award (2006) and the UW Davida Teller Distinguished Faculty Mentor Award (2010).

Staff News

Francis Benjamin (information systems coordinator) was an invited speaker for the Council of State Governments–West (CSG-WEST) 64th Annual Meeting in Honolulu, Hawaii, July 30-August 2. CSG-WEST serves the 13 western state legislatures. Francis' talk was titled “Washington State Legislature: A Case Study in Civility and Politics.” Francis also published a book chapter (chapter 11) with Nicholas Lovrich (regents professor emeritus, political science) in *Governing Washington: Politics and Government in the Evergreen State*.

Heather Cochran joined the department in January 2011 as an undergraduate academic advisor. Heather has more than four years of advising experience and was previously an advisor for neuroscience. She earned her bachelor's degree in organizational communications with an emphasis in political science at WSU in 1995. As an undergraduate student, Heather was the editor of the *Daily Evergreen*.

Heather Davison joined the department in August 2011 as our new office assistant. Heather was born and raised in Pullman. She graduated from WSU with a bachelor's degree in social sciences in 2010.



David Marcus



David Marcus joined the Department of Psychology in August 2011 as a professor and the new director of clinical training. David's research interests focus broadly on the topic of psychopathology. A significant portion of his work uses Meehl's taxometric method to determine whether psychopathy is a unique diagnostic construct that differs qualitatively from other externalizing disorders (e.g., conduct disorder, antisocial personality disorder) or instead resides along a single continuum with these other conditions. David is also exploring the possible correlations between various behaviors associated with psychopathic personality traits. In addition, David uses David Kenny's Social Relations Model to address how specific interpersonal factors may impact the efficacy of individual and group therapy. Finally, he is examining the role dysfunctional beliefs and a ruminative cognitive style may play in the manifestation of health related anxiety. David has

published more than 60 journal articles and delivered nearly 70 presentations and invited talks. His research has been primarily funded by the National Institute of Child Health and Human Development. David is currently the president of the Society for Clinical and Social Psychology and the senior associate editor of the *Journal of Social and Clinical Psychology*.

David earned his bachelor's degree in psychology at the University of Chicago in 1983 and his master's and doctoral degrees in clinical psychology at Clark University (in 1985 and 1989, respectively). He completed his clinical internship at Pennsylvania State University. David was a visiting assistant professor in the Department of Psychology at the College of the Holy Cross for one year before accepting a faculty position at Sam Houston State University (SHSU) in 1990. He was twice honored by SHSU with an Outstanding Research Award (2004, 2005). In 2005, David joined the faculty in the Department of Psychology at the University of Southern Mississippi where he remained until joining WSU in 2011.

In Memoriam

We are saddened by the passing of the following individuals who touched our lives both personally and professionally. They will be sincerely missed.

Reed B. Friedman '78 psychology, 57, July 10, 2011, Spokane.

Dorothy Ann Johnson '47 psychology, 87, October 25, 2011, Des Moines.

Jon Alan Kangas '67 psychology, '70 Ph.D. psychology, 68, September 5, 2011, San Jose.

Judith Lee McElvain '69 Ph.D. psychology, 72, May 5, 2011, Spokane.

William M. "Bill" Salisbury '47 psychology, 91, July 31, 2011, Spokane.

Marjorie M. Whitlam '50 psychology, 94, Jun 2, 2011, Spokane.





Alumni News

Jessica Bilimoria ('11 B.S. psychology), **Daniel Reis** (psychology senior), **Alexa Powell** ('11 B.S. psychology), D. G. Smith, and **Brendan Walker** (associate professor) published "Antagonism of k-opioid receptors in the central nucleus of the amygdala selectively attenuates dependence-induced escalation of alcohol self-administration" in *Society for Neuroscience Abstracts*.

David Bridgett ('08 Ph.D. psychology) and **Masha Gartstein** (associate professor) published "Emerging effortful control in toddlerhood: The role of infant orienting/regulation, maternal effortful control, and maternal time spent in caregiving activities" in the journal *Infant Behavior & Development*. This paper was coauthored by S. Putnam, K. Lance, E. Iddins, R. Waits, J. Van Vleet, and L. Lee.

Matthew Canterbury ('01 psychology, '03 economics) and Elizabeth "Beth" Kleweno ('00 microbiology) were married on October 8, 2011. Their Cougar-themed wedding in Spokane featured the Cougar fight song at the wedding reception.

Kevin Feiszli ('11 B.S. psychology) and **Lisa Fournier** (associate professor; director of experimental training) presented a paper titled "Variations in action sequence overlap and their effects on reaction time" at the 23rd annual convention of the Association for Psychological Science in Washington, D.C.

Daniel Hurley ('10 Ph.D. psychology) and Paul Kwon (associate professor) presented a paper titled "Interactive effects of reminiscing and attributional style for positive events on positive outcomes" at the annual

meeting of the American Psychological Association in Washington, D.C. Daniel passed the EPPP exam (i.e., the written exam for psychology licensure) and his jurisprudence exam to become a licensed psychologist in the state of Washington. He is currently serving as the assistant director of the Psychology Clinic for the WSU Department of Psychology.

Kathryn Nealey ('10 B.S. psychology, B.A. foreign languages and cultures), **Alex Smith** ('11 B.S. psychology), **Seth Davis** (doctoral student), and **Brendan Walker** (assistant professor) published "Kappa-opioid receptors are implicated in the increased potency of intra-accumbens nalmefene in ethanol-dependent rats" in the journal *Neuropharmacology*.

Shital Pavawalla ('09 Ph.D. psychology), **Maureen Schmitter-Edgecombe** (professor), and R. Smith published "Prospective memory following moderate-to-severe traumatic brain injury: A formal multinomial modeling approach" in the journal *Neuropsychology*.

Emily Rucker ('96 Ad, '04 psychology) is the search engine marketing manager for 451 Marketing. This Boston-based communications agency emphasizes new media technologies.

Alex Smith ('11 B.S. psychology), **Kathryn Nealey** ('10 B.S. psychology, B.A. foreign languages and cultures), **Jay Wright** (professor), and **Brendan Walker** (assistant professor) published "Plasticity associated with escalated operant ethanol self-administration during acute withdrawal in ethanol-dependent rats requires intact matrix metalloproteinase systems" in the journal *Neurobiology of Learning and Memory*.