

*From the Chair*  
*Jane Ellen Smith, Ph.D.*



This is the 4th issue of the new and improved Psychology Department newsletter—and the third one since I became chair of the department three years ago. The purpose of the newsletter is to improve communication between the current Psychology Department members (faculty, students, staff) and all of the people who have been an important part of the department in one way or another in the past. We welcome information from you to share. Contact Esther: etgolden@unm.edu or Trish: trishara@unm.edu with your news. Specify that it is for the newsletter.

**Undergraduate Education:** We continue to grow in terms of undergraduate psychology majors. In 1996 we had 775 declared majors, and this year we had over **1200 majors**. A total of 327 bachelor's degrees in psychology were awarded. We offered a total of **26 online courses** last year!

**Graduate Education:** We have **76** graduate students in four main concentrations: Clinical; Cognition, Brain, & Behavior; Evolutionary/Developmental; and Health. The students had 60 publications this year. We received 260 applications to our graduate program, and we admitted a class of 11.

**Faculty:** The department was granted permission to do a search for a senior-level addictions researcher to replace **Angela Bryan**, who left in August 2011. **Katie Witkiewitz** accepted our offer after being one of three candidates that were interviewed. She will be joining us Fall 2012. Overall, the faculty are doing very well! Although we have only 23 FTEs (a total of 26 voting faculty), as a department we published **120** articles, books, or book chapters last year. Depending on how you calculate it, that's an average of **5.1 publications** per faculty. Furthermore, we generated almost **\$7 million** in research funding.

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We look forward to hearing from you!

## *Welcome to the Department*

### *New Faculty Hire*



**Dr. Katie Witkiewitz** has been hired as a tenured Associate Professor. She will be joining the department in August 2012. She received her Ph.D. degree from the University of Washington in 2005. The primary objective of her research is to examine empirically-based models of health behavior, with an emphasis on applying advanced quantitative research methods (e.g., growth mixture models, latent Markov models, dynamical systems theory) to better understand the complexities of successful health behavior change.

### *New Staff Member*



We are very pleased to announce that we have hired a Sr. Fiscal Tech in the department. **Rae Ramirez** has 13 years of UNM experience (mostly in finance). She began at UNM in the HSC Pathology & Cancer Research Center, and was with COE-LLSS before coming to us. Rae is a native of Albuquerque, married with 4 children & 4 grandchildren. She is a real whiz and is diligently helping us get our fiscal files in order! If you have not been introduced to Rae, please stop by & welcome her to the department (room 181B).

## *Pollution Prevention 2010 Award*



**Gilbert Borunda** (Coord, Animal Research) and **Ector Estrada** (Supv, Lab Animal Husbandry) were given the Pollution Prevention Award for 2010. The award was given for:

- ◆ Best management practices
- ◆ Storage of chemicals
- ◆ Maintaining records for recycled materials and waste disposal
- ◆ Written spill control plan
- ◆ Practicing good housekeeping

**Stan Bennett**, retired in December 2010. Stan handled an increasingly greater number of complex grants in recent years, due to the joint appointments with Mind Research Network (MRN). Stan started with the Psychology Department (and the University of New Mexico) in November 1996. He began as an Accounting Tech and was promoted to Supervisor, Administrative Support in February 2000. Stan & his wife are doing some traveling with that extra time—to Utah for 9 days, with plans to visit New York City & Hawaii soon.



# Logan Hall Remodel



Logan Hall is in the middle of a major remodel on the second floor that was made possible by the funding of an NIH grant for almost \$5 million. The remodel is scheduled to be completed in Spring 2012. A total of 9,363 square feet is being developed into a state-of-the-art Clinical Neuroscience Core (CNC) facility. The CNC will consist of renovated clinical neuroscience labs (Pediatric and Adult EEG, Transcranial Stimulation), imaging and data analysis centers with high-speed IT links to collaborating institutions such as the Mind Research Network (MRN), testing rooms, collaborative/computerized work areas, and secure data storage. Importantly, the CNC will support the integration of MRN's neuroimaging and genetic data with CNC data, thereby offering researchers access to vast amounts of shared data across studies, modalities, sites, and disciplines. This remodeled area will also contain a new Logan Library, which will have the capability to be used as seminar room as well. **Dr. Vince Clark** (pictured above in his soon-to-be new office) will serve as the director of the CNC.

# Dr. Witherington's New Lab



Given that **Dr. David Witherington's** developmental lab was situated in the middle of the space on the second floor of Logan Hall that was going to be renovated into a Clinical Neuroscience Center, David graciously agreed to be moved to the basement of Logan Hall. UNM paid for his lab's relocation and remodel. David now has a new observation room that looks into a beautiful room for conducting his studies. He also has a new office space and modular furniture for his graduate students. His graduate student Xiaoshen Jin is shown here.



# Basement Artwork

The basement floor in Logan Hall has received a “face-lift”. We have painted the hallways and added some color. We also now have artwork on the walls: beautiful pictures from around New Mexico representing the four seasons (one season per hall). These photos are courtesy of our faculty, graduate students, staff, and part-time faculty. If you haven’t seen the photos, please take time to visit the basement and enjoy them. The photos displayed are by: Lisa Hagen Glynn, Trish Aragón-Mascareñas, Deanndra Xaynhachack, Lora Cope, Carol-Ann Griffin, Mike Weisend, Derek Hamilton, Elizabeth Browning, Vince Clark, Ron Yeo, Renee Magnan, Lynette Silva, and Bill Miller.



# Dr. Henry Ellis: Where Is He Now?



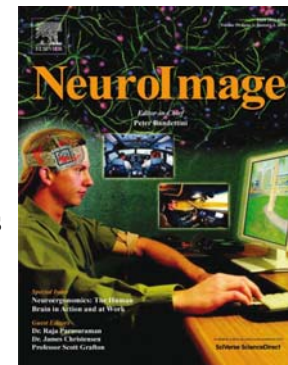
**Henry Ellis** is our own Distinguished Research Professor Emeritus. His research interests are in cognitive psychology, including memory, cognition and emotions, emotion and thought processes, false memory, eyewitness identification, and psychology and the law. He has over 120 publications, with 10 books among them. He came to UNM as an Asst. Prof. in 1957, and he retired in 1994. He was the Dept. Chair 1975-1984. He is known for starting the department's honors program (1959) and the department's clinic (1982). He also worked hard to bring a research emphasis to the clinical program, and he strengthened the experimental program by adding cognitive faculty. His own last PhD student is on the faculty of Yale.

Dr. Ellis received his undergraduate degree from William and Mary and his Ph.D. from Washington University-St. Louis. His research has been supported by NSF, NIMH, and Sandia Labs. He was an elected fellow of APA, APS, the Amer. Assoc. for the Advancement of Science, and the British Psychological Society. He was elected to the COSMOS Club of Washington, DC. He is a member of the Psychonomic Society, the American Psych-Law Society, and the International Society for Stress & Anxiety Research. He was the founding co-editor of *Cognition and Emotion*. Henry has been the President of the Experimental Psychology Div. of APA and a member of APA's board. He's served as President of the Rocky Mountain Psych. Assoc. (RMPA) and the Southwestern Psych. Assoc., and as Chair of the Council of Graduate Depts. of Psychology. Henry received APA's award for Distinguished Contributions to Education and Training. The annual RMPA Ellis-Battig Symposium was created in his honor. His recent presentations include an invited address to the International Psych. Society in Cancun (2010) and the RMPA Distinguished Invited Address at Salt Lake City (2011).

Henry and his wife of 54 years, Florence, love to travel; one of their recent excursions was a South American cruise. They are very proud of their 3 children (John, Joan, & Diane) and 7 grandchildren. Contact Dr. Ellis at: [hellis@unm.edu](mailto:hellis@unm.edu) or (505) 292-2658. He'd love to hear from you!

# News Briefs

- ◆ **Dr. Mike Dougher** has been named Senior Vice Provost for Academic Affairs. Since coming to UNM in 1980, Mike has served as Chair of the Department of Psychology, Interim Director of CASAA, Associate Dean of Research in the College of Arts and Sciences, and Associate Vice President for Research. He has also served as the Chief Research Officer of MRN.
- ◆ **Dr. Barbara McCrady** gave an invited address, “Recent Advances in Psychotherapy Research on Alcoholism: Mechanisms of Behavior Change,” to the German Congress on Addiction in Frankfurt, Germany. She is the president-elect for the Research Society on Alcoholism. Barbara also welcomed her first grandchild, Finnegan James McCrady. Congratulations!
- ◆ **Dr. Karin Butler** added a hands-on learning experience to her Human Learning & Memory Class. Ten students worked with kindergartners to build their reading skills. Students wrote papers relating their experience to concepts covered in class.
- ◆ **Love and Marriage (and Babies):** Congratulations to **Dr. Eric Ruthruff**, who got married to Suwanna; to **Drs. Steve Gangestad** and Sara Brant, who welcomed a new baby boy - Torin Brant Gangestad; and to **Drs. Elizabeth Yeater** and Eric Levensky, who had baby Chloe Hannah Levensky. A very productive year indeed!
- ◆ **Dr. Harold Delaney** gave an inspirational commencement address this year. It was entitled, “A Life Worth Living”.
- ◆ **Dr. Steve Verney** is the new director for the research core of the newly established NM Center for the Advancement of Research and Engagement in Health Disparities.
- ◆ **Brian Coffman**, one of **Vince Clark’s** graduate students, is featured on the cover of this month's issue of *NeuroImage*. It illustrates the combined fMRI and tDCS study regarding enhanced learning described by Clark et al. in this issue. See <http://www.journals.elsevier.com/neuroimage>



# News Briefs

- ◆ **Letters of Academic Title** were awarded to the following individuals this year for their contributions (research collaborations, clinical supervision, teaching) to the Psychology Department: Drs. Jessica Turner, Jeff Lewine, Amber McEachern, Matt Shane, Nicole Prause (Mind Research Network); Jean Lowe (UNMH); Kristina Rynes, Brandi Fink (CASAA); Brenda Wolfe (Eating Disorders Institute of NM), & William Foote (Wm. E. Foote private practice).
- ◆ **Research Faculty Contract** was awarded to Dr. Andy Mayer (MRN).
- ◆ **The Basics in Addiction Counseling (BAC) program**, a concentration for psychology majors, just finished its first year of operation. This program was established to provide both classroom and practical instruction in science-based addiction evaluation and treatment for undergraduates who envision themselves becoming substance abuse counselors. To date, students have done their field placements in UNMH's Addiction & Substance Abuse Program, ABQ Metro Central Intake, and Engender. Interested? Contact Regina Dickens: solutions4\_teams@msn.com
- ◆ **Area Heads:** Sarah Erickson (Clinical), Derek Hamilton (Cognition, Brain, & Behavior), Steve Gangestad (Evolution/Development), Harold Delaney (Health Psychology; Quantitative).
- ◆ **The Quad-L Speaker** this year was Dr. Peter Killeen (Emeritus Professor, Arizona State). His talk was, "The Law of Effect".
- ◆ **Health Psychology Hire:** The department is currently searching for an Assistant Professor in the Health Psychology area.
- ◆ **Visiting Research Professor at CASAA:** Dr. Tim Condin.
- ◆ **Steve Alley** received an American Indian Student Services ("STARS") award.
- ◆ **Party!** Dr. Jane Ellen Smith hosted the Beginning of the Year Party in August and Dr. Gordon Hodge hosted the department's Holiday Party last December.

# Graduation Spring 2011



Psychology Undergraduates



Ph.D. Recipients—Alisha Wray and Jon Houck

# Graduation Spring 2011



Sweet Wishes for Psychology Grads!



Dr. Jane Ellen Smith introduces Dr. Harold Delaney, Keynote Speaker



Psychology Department Faculty

# Fun times in the Department

## Psychology Department Holiday Party



Santa (Eric Jackson, Part-time Instr.), Ayla & Jasmine Ofer



Samuel Roll (Professor Emeritus)

# Fun times in the Department

## Psychology Department Holiday Party



Sarah Erickson (Associate Professor) and family, with Lorna Joachim (Part-time Instructor) and family



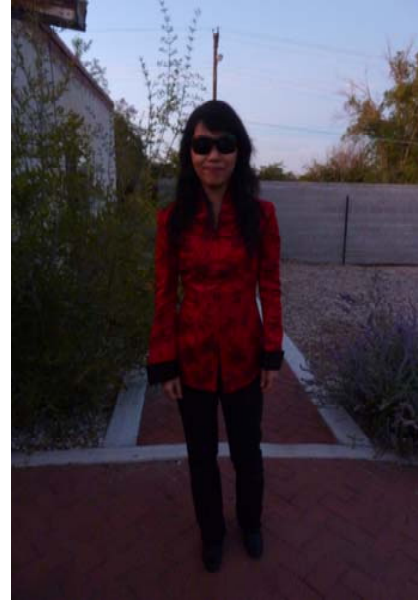
Angela Bryan (Professor), Lynette Cofer (Professor Emeritus)



Finley Hutchison and Olivia Erickson are excitedly anticipating Santa Claus!

# GASP Halloween Party

Xiaoshen Jin (GASP President), impersonating Ziyi Zhang as Huli, in the Jackie Chan movie, Rush Hour 2, at the GASP Halloween Party



Tessa Margett Jordan and her husband John at the GASP 2011 Halloween Party



Laurie Steffen, Chris McLouth and Brittany Baker at the GASP Halloween Party—can you guess who their characters are?

# Witchy-Woman!

It may look like Dr. Elizabeth Yeater was at the GASP Halloween Party, but she just showed up to class as Snow White's wicked stepmother. ;-)  
Wonder what her students thought ...



# DO!

Lea Anne & Dan Fischer,  
Mandy Owens & Russell Ealy  
at the DO! Potluck

# Research Day

Research Day includes presentations of research findings ...



... to a rapt audience.

It combines learning with food, ...



... & the conversations continue in the hallways.

# Graduate Awards

- ◆ **Robert Wood Johnson Doctoral Fellowships:** Patricia Rodriguez (mentor: Steve Verney), Alexis Ortiz (mentor: Bruce Smith), Yajaira Peña-Esparza (mentor: Steve Verney), Belinda Vicuña (mentor: Harold Delaney), and Marita Campos-Melady (mentor: Jane Ellen Smith).  
**RWJ Dissertation Fellowship:** Felicha Candelaria-Cook (mentor: Derek Hamilton).
- ◆ **The Benjamin F. Haught Awards:** The 2011 Haught lecture award recipient was Peggy Maclean (mentor: Sarah Erickson). The title of her talk was “*Perceived and Actual Vulnerability in Young Children Born Preterm*”. The Haught scholarship (\$8000) was awarded to Jenny Rinehart (mentor: Elizabeth Yeater) for her research on re-victimization.
- ◆ **Barbara Goldman Garland Memorial:** To provide financial assistance on an annual basis to a Psychology graduate student in the clinical area who has a special interest in family and teenagers. The 2010 award (\$1000) went to Mary Bancroft, who studied the development of identity and self-construal in Mexican and American preschoolers.
- ◆ **Sidney Rosenblum Memorial Award:** For a graduate student excelling in child/family clinical psychology or research, in honor of Prof. Emeritus Sidney Rosenblum. The 2010 award (\$1000) went to Erica Montague. Her research is pediatric health psychology and developmental neuroimaging. She has worked with adolescents & families affected by traumatic brain injury, pediatric cancer survivors, & toddlers born very low birth weight.
- ◆ **Rachael Nicole Dowler Endowment Fund:** The Fund is established in loving memory of Rachael Nicole Dowler by her family and friends to provide awards for Honor Students in the Dept. of Psychology at UNM. This year’s award recipients were: Adam Thomas (Outstanding Honors Thesis), and Heather Miley and Christopher Vardeman (Outstanding Honors Students).
- ◆ **Susan Deese-Roberts Teaching Assistant of the Year Award:** Tessa Margett won this award for her excellent teaching skills. She is part of Dr. Witherington's lab, where her research interests include cognitive development in pre-school children.
- ◆ **Graduate Deans Dissertation Fellowship:** Zhen Yang (mentor: Ron Yeo) received the \$8000 stipend for her project: “Spatial orienting and selective attention in pediatric mild TBI patients: An fMRI study”.
- ◆ **2011 American Psychological Association Dissertation Award:** Annie Caldwell Hooper (mentor: Angela Bryan) was selected as a recipient of the award (\$1000).

**MASTER'S DEGREES AWARDED**  
**Academic Year**  
**2010-2011**

<i>Student Name</i>	<i>Title of Thesis</i>	<i>Faculty Advisor</i>
<i>Kevin Hallgren</i>	<i>“Alcohol-Related Attentional Bias: The Role of Support Networks”</i>	<i>Barbara McCrady</i>
<i>Samara Lloyd Rice</i>	<i>“Development of a Quantitative, Self-Report Measure of Ambivalence About Reducing Problem Drinking for Alcohol Use Disorder Treatment and Research”</i>	<i>Harold Delaney</i>
<i>Erica E. Nason</i>	<i>“Conceptualizing Response effectiveness in the study of Sexual Victimization”</i>	<i>Elizabeth Yeater</i>
<i>James P. Rice</i>	<i>“Evidence for Cooperative, Sequential Interaction Between Hippocampal and Dorsolateral Striatal-Dependent Navigation Strategies in the Morris Water Task”</i>	<i>Derek Hamilton</i>
<i>Sara K. Blaine</i>	<i>“The Role of TACR1 Genotypes in Craving, Depression and Alcohol Dependence”</i>	<i>Ronald Yeo</i>

***DOCTORAL DEGREES AWARDED***  
***Academic Year***  
***2010-2011***

<i>Student Name</i>	<i>Title of Dissertation</i>	<i>Faculty Advisor</i>
<i>Julia L. Austin</i>	<i>“An Examination of Factors Associated With Treatment Adherence in a Sample of Hispanic Women ”</i>	<i>Jane Ellen Smith</i>
<i>Timothy V. Hoyt</i>	<i>“Person and Situation-Level Factors Predicting Sexually Aggressive Behavior in College Men's Responses to Analogue Dating and Social Situations ”</i>	<i>Elizabeth Yeater</i>
<i>Jennifer Knapp-Manuel</i>	<i>“Treating the Concerned Family Members of Alcohol and Drug Users: A Randomized Study ”</i>	<i>Barbara McCrady</i>

***Clinical Psychology Internships***

**Clinical students who recently completed their internships were:**

<b>Paulette Christopher</b>	<b>St. Louis VA Medical Center</b>
<b>Melissa Gerstle</b>	<b>Texas Children’s Hospital</b>
<b>Loren Gianini</b>	<b>Southwest Consortium/NMVAHC</b>
<b>Paul Guinther</b>	<b>VA Salt Lake City Health Care System</b>
<b>Kathryn Lenberg</b>	<b>VA Palo Alto Health Care System</b>
<b>Lavina Sanders</b>	<b>Southern Arizona VA Healthcare</b>
<b>Kathryn Wiggins</b>	<b>VA Puget Sound, American Lake</b>
<b>Alisha Wray</b>	<b>Southwest Consortium/NMVAHC</b>

# Graduate Student News

- ◆ GASP sponsored **Psychology Research Day** (see page 16) again this year, which was held in Logan Hall on April 22, 2011. We had a great turnout with lots of interesting posters on research done by our psychology students. Dr. John Gluck (UNM Emeritus Professor & Research Professor for Kennedy Institute of Ethics, Georgetown University) gave the keynote address, “*A Life in Research: The Call of Curiosity in the Embrace of Ethics*”. The student presenter was James Rice (mentor: Derek Hamilton), whose talk was, “*Increased Voluntary Consumption of Ethanol in Adult Rats Exposed to Moderate Levels of Ethanol In Utero*”. The Jr. Quad-L speaker that day was Dr. Michelle Tomaszycski (Wayne State), who spoke on, “*Genetic & Hormonal Influences on Complex Learned Behaviors: Lessons from Birds*”.



## ***WELCOME INCOMING GRADUATE STUDENTS for ACADEMIC YEAR 2011-2012***

Daniel Barto	University of Chicago	Derek Hamilton	Cognition, Brain & Behavior
Jennifer Benson	Haverford College	Sarah Erickson	Clinical
Armida Carbajal	University of New Mexico	Tim Goldsmith	Cognition, Brain & Behavior
Amber Dukes	University of Central Florida	Jacob Vigil	Evolutionary
Nicholas Grebe	University of Colorado-Boulder	Steve Gangestad	Evolutionary
Kylee Hagler	Rochester Institute	Kamilla Venner	Clinical
Michael Hunter	University of New Mexico	Vince Clark	Cognition, Brain & Behavior
Elizabeth McLaughlin	McGill University	Jane Ellen Smith	Clinical
Rosa Munoz	University of New Mexico	Elizabeth Yeater	Clinical
Patricia Rodriguez	University of New Mexico	Steve Verney	Clinical
Lauren Rowell	University of North Carolina- Chapel Hill	Sarah Erickson	Clinical



# Diversity Organization

The Diversity Organization (DO!) in the department continued to hold regular meetings and sponsored several events this past year. These included hosting "diversity training" for clinical psychology students, mailing flyers about UNM's Psychology Department to undergraduate universities in the Southwest, posting notices of cultural events on and off campus to graduate students, sponsoring a multicultural case conference, and organizing a cultural pot-luck. Dr. Ev Worthington from Virginia Commonwealth University spoke on religious and spirituality issues in clinical psychology at the DO! annual workshop. The faculty mentors for DO! are **Drs. Steve Verney** and **Kamilla Venner**. Graduate student council members are listed below.



Diversity Organization! [DO!] Members: Brenna Greenfield, Jennifer Crawford, Yajaira Pena-Esparza, Lisa Hagen Glynn, Glory Emmanuel, Victoria O'Keefe; (back row) Drs. Kamilla Venner and Steve Verney

## DO! Leadership Council Members

**Yajaira Pena-Esparza**  
**Brenna Greenfield**  
**Lisa Hagen Glynn**  
**Marita Campos-Melady**  
**Erica Nason**  
**Jennifer Crawford**  
**Glory Emmanuel**  
**Rosa Munoz**  
**Patricia Rodriguez**  
**Lauren (Nikki) Rowell**  
**Jen Benson**



At the DO! Potluck, Fall 2011



Psi Chi is the National Honor Society in Psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who are making the study of psychology one of their major interests and who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies and is an affiliate of the American Psychological Association (APA) and the Association for Psychological Science (APS).

Upcoming events include: Christmas Bake Sale, Roadrunner Food Bank - Sorting Sunday, Coronado Giving Tree, Roadrunner Food Bank canned food drive, Joy Junction clothing drive, Watermelon Ranch animal necessities drive.

**Psi Chi Officers:**

**President**

Elizabeth Mysza  
mysza@unm.edu

**Secretary**

Catherine Waldeck  
cwaldeck@unm.edu

**Vice President**

Sarah Wynne  
swyne01@unm.edu

**Treasurer**

William Strickler  
willstri@unm.edu

**Faculty Advisor**

David Witherington  
dcwither@unm.edu

The purpose of the Graduate Association of Students in Psychology (GASP) is to create and maintain a departmental atmosphere which fosters scholarships among psychology graduate students by ensuring resources that will benefit all students as well as provide a supportive social network. All enrolled psychology graduate students are eligible for membership.

A few planned activities are Volunteer Days, a Halloween Party, a Toy/Book Drive, The 7th Annual Psychology Research Day, and Happy Hours. We hope to end the year with a faculty and graduate student softball game and BBQ.

For further information, visit the GASP website at:  
<http://www.unm.edu/~gasp/index.html>

**2011/2012 GASP Officers**

President: Xiaoshen Jin

Vice President: Katy Belon

Treasurer: Tessa Margett

Secretary: Christina Klauber

Librarian: Rachael Falcon

GPSA Rep.: Glory Emmanuel

Clinical 1&2yr Rep. Laurie Steffen

Clinical 3+yr Rep: Sarah Hile




Ev/Dev Rep: Patrick Coulombe

CBB Rep: Chris Weywadt

Health Rep: Belinda Vicuna

## Outside Sponsored Research

### *Listed alphabetically by funding institute*

Title of Research	Funding Organization	Principal Investigator
		
<i>“Structural Knowledge Analysis of Aviation Safety Reports”</i>		Timothy Goldsmith
		
<i>“Attentional Dysfunctional/Recovery in TBI”</i>		Ron Yeo
<i>“Spectroscopy Software Development”</i>		Charles Gasparovic
The research goal for this contract year will be to demonstrate feasibility using single-voxel IHMRS data.		
<i>“National Alliance-Medical Imaging Computing”</i>		Charles Gasparovic
		
<i>“HIV Prevention with Adolescents: Neurocognitive Deficits and Treatment Response”</i>		Angela Bryan
Known as Project SHARP, this study explores neurocognitive and genetic factors that may help us to understand which types of alcohol and risky sexual behavior interventions work better for which adolescents.		
<i>“Alcohol, Marijuana, and Risky Sex: Group Interventions with Detained Adolescents”</i>		Angela Bryan
Known as Project MARS, this study examines which strategy is the best to reduce concurrent drug and alcohol use and risky sexual behavior.		
<i>“Alcohol Research Training: Change Methods &amp; Mechanisms”</i>		Barbara McCrady
Institutional research training grant that provides multidisciplinary pre- and post-doctoral training to prepare future scientists to (1) conduct research to elucidate the processes of change through improved approaches to treatment and indicated prevention, and (2) develop test models of disseminate knowledge of effective interventions to diverse populations.		
<i>“Methods and Mechanisms: Alcohol Behavioral Couples Therapy”</i>		Barbara McCrady
This grant supports research on Alcohol Behavioral Couple Therapy, an empirically supported treatment for alcohol use disorders, to identify active processes of change that predict client outcomes.		

*“Zuni MI/CRA Project”*

Kamilla Venner

I have the honor of partnering with the Zuni tribe to adapt and test two evidence-based substance abuse treatments: motivational interviewing and the community reinforcement approach.

*“Action Monitoring, Action Observation and Dopamine Genes as Predictors of Substance Abuse”*

Kent Kiehl

To utilize multimodal imaging techniques (ERP/fMRI) to characterize the integrity of neural circuits engaged in action-monitoring in incarcerated drug-abusers

*“Socio-moral processing in psychopathy and substance abuse”*

Kent Kiehl

To use functional imaging to elucidate and characterize the functional neuroanatomy of processing of moral stimuli for linguistic and picture stimuli in psychopathy and substance abuse

*“Neurocognitive Changes Associated with Behavioral Treatment in Cocaine Abusers”*

Kent Kiehl

To examine functional and structural changes associated with three cognitive behavioral treatment protocols in cocaine abusers.

*“Testing Theory-Based Training”*

Theresa Moyers

This study is to investigate the ingredients in a psychological treatment called motivational interviewing. We do this by training counselors to use the treatment with a specific ingredient (focusing on the client's language) and without it, and then compare what effect this has on their clients during treatment.

*“The Cognitive Neuroscience of Female Psychopathy”*

Kent Kiehl

To test the paralimbic dysfunction hypothesis of psychopathy in female offenders using event-related potentials and functional magnetic resonance imaging

*“Neurocognitive Assessment of ‘Callous’ Conduct Disordered Youth”*

Kent Kiehl

To use ERP and fMRI measures to test the hypothesis that youth with Callous Conduct Disorder show abnormalities in the paralimbic system

*“Fetal Ethanol-Induced Deficits in Agranular Insular Cortex Function”*

Derek Hamilton

The primary goal of this research is to better understand how abnormal social behavior and impaired learning following prenatal alcohol exposure are related to functional alterations in the frontal cortex.

**Title of Research**

**Funding Organization**

**Principal Investigator**



*“Network Connectivity and Dynamics in Fetal Alcohol Spectrum Disorders”*

Claudia Tesche

To initiate use of magnetoencephalography (MEG) to study adolescents with FASD and normal children; the specific aim is to identify abnormalities in cortico-cerebellar network dynamics, particularly those that involve midline structures.



*“Real-time Neuronal Current Imaging of the Human Brain to Improve Understanding Of Decision Making Process”*

Charles Gasparovic



*“The Strong Heart Stroke Study”*

Steve Verney

This study uses MRI to assess cerebrovascular disease prevalence and manifestations including cognitive impairment, mobility, and depression in 1000 older American Indians.



*“Test Enhanced Learning”*

Gordon Hodge

The general question to be answered is whether the performance of university students will improve when they are required to take multiple weekly quizzes or test (Test Enhanced Learning, TEL) compared to students who are not required to take the tests.

## *A Sample of Recently Published Papers*

- Ciesielski, K.T., Ahlfors, S.P., Bedrick, E.J., Kerwin, A.A., & Hämäläinen, M.S. (2010). Top-down control of MEG alpha-band activity in children performing Categorical N-Back Task. *Neuropsychologia*, *48*, 3573–3579.
- Hester, R. K., Delaney, H. D., & Campbell, W. P. (2011). ModerateDrinking.com and Moderation Management: Outcomes of a randomized clinical trial with non-dependent problem drinkers. *Journal of Consulting and Clinical Psychology*, *79*, 215-224.
- Erickson, S.J., Montague, E., & Gerstle, M. (2010). Health related quality of life in children with moderate to severe traumatic brain injuries. *Developmental Neurorehabilitation*, *13*, 175-181.
- Gangestad, S. W. (2010). Evolutionary biology looks at behavior genetics. *Personality and Individual Differences*, *49*, 289–295.
- Braude, D., Goldsmith, T. E., & Weiss, S. (2011). Assessing air medical crew real-time readiness to perform critical tasks. *Prehospital Emergency Care*, *15*, 254–260.
- Lien, M.-C., Gemperle, A., & Ruthruff, E. (2011). Aging and involuntary attention capture: Electrophysiological evidence for preserved attentional control with advanced age. *Psychology and Aging*, *26*, 188-202.
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## Psychology Honors Program

For over 40 years the Psychology Department has offered an Honors Program in psychology for qualified Psychology majors. This year, 11 students successfully completed the program.

### Name

Steven Davis  
Anne Marie Dinallo

Stephanie Draper  
Lori Lavesk  
Jasmine McNeill  
Heather Miley\*\*

*\*\*Outstanding Honors Student*

Michael Miller  
Pratik Sheth  
Adam Thomas\*

*\*Outstanding Thesis Award*

Christopher Vardeman\*\*  
*\*\*Outstanding Honors Student*  
Alyssa Wrinkle

### Advisor

Steve Gangestad & Ron Yeo  
Mark Pedrotty, Bruce Smith &  
Hector Cóntreras-López  
Bruce Smith  
Jane Ellen Smith & Angela Bryan  
Claudia Tesche  
Kamilla Venner

Terri Moyers  
John Phillips  
Karin Butler

Karin Butler

Pamela Arenella

## Psynopsis Ψ

The Psynopsis is a biannual newsletter published by the Department of Psychology at the University of New Mexico for the benefit of alumni, faculty, students, and friends. If you are interested in contributing newsworthy items to this publication, please contact:

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