

Indiana University Department of Psychology Alumni Newsletter

PSYCH ♦ NOTES

College of Arts & Sciences Alumni Association

Vol. 8, No. 1/Winter 2003–04

Collaborative research improves results

As psychological science has advanced along many fronts, it has become increasingly difficult for any one investigator to have the depth of understanding in all areas relevant to answering a particular psychological question. Combining expertise from several colleagues can overcome this problem.

This is precisely what Julie Stout had in mind when she approached fellow faculty members Jerry Busemeyer and Peter Finn about a long-standing interest she'd had in the neuropsychological processes that affect decision-making in patients with known pathology in the frontal region of the brain. Stout had heard of an initiative at the National Institute of Drug Abuse that encouraged research into the cognitive mechanisms in drug abuse. She contacted IU cognitive psychologist Busemeyer, an expert in decision-making and applying mathematical models to understand decision making skills, and IU clinical psychologist Finn, who has studied vulnerability to substance abuse and factors

associated with decision-making and disinhibitory processes in young alcoholics.

Stout's thinking was that by combining their expertise with her own knowledge of decision making in patients with frontal pathology, more could be accomplished in a shorter period of time, and perhaps more headway could be made into understanding the behavior of drug abusers. The three researchers got together to share their ideas, and a grant application was put together. In 2001, the project, titled Cognitive Modeling of Risky Decision Tasks in Substance Abuse, received four years of grant funding from NIDA on its first submission.

The primary goal of the project is to attempt to identify the different factors that influence poor decision making in young adults with drug abuse or dependence. The



Julie Stout and Peter Finn are two of the three faculty members involved in the NIDA funded "Cognitive Modeling of Risky Decision Tasks in Substance Abuse" collaborative research project.

group hopes to meet that goal by characterizing the decision-making styles of drug abusers and how their decision styles might differ from those who do not abuse drugs. Mathematical models are being developed to measure key processes that are thought to affect decisions, identifying which processes seem to be most influential in the decisions of drug abusers and whether these processes are associated with specific personality traits or other characteristics of the drug abusers. Finally, the group is developing new paradigms that can be used in the laboratory to assess and model the decision making of young adult drug abusers.

The project wouldn't be nearly as thorough as it is if it weren't for the combined efforts of all three researchers. "Collaborations like these bring together expertise that does not reside in any one person," Finn explained. "We can use the best tools that the different disciplines have to offer to answer our research questions. Clinical problems, like substance abuse, involve the interplay among many different processes that cross the normal subdisciplines in psychology. One simply cannot be trained in all subdisciplines. It seems only natural that clinical scientists should

Intercampus research provides fresh insights

One of the advantages for the Department of Psychology in the IU system is that the needed expertise for some research projects can be found on other campuses. Many of our faculty members take advantage of this by collaborating with IU colleagues, particularly at the IU School of Medicine of IUPUI.

Bill Hetrick, a Bloomington clinical psychology faculty member, is studying the comorbidity of schizophrenia and alcoholism in conjunction with researchers at both IUPUI and the IU School of Medicine. With half of those who suffer from schizophrenia also showing alcohol dependence, scientists have long contemplated what the connection might be. A common hypothesis is that the schizophrenic populations self-medicate with alcohol to cope with their

hallucinations, delusions, and other symptoms. Hetrick and his fellow researchers are exploring another possibility: that schizophrenia and alcoholism may share biological risk factors, such as information processing deficits. With a grant from NIH, Hetrick and his collaborative teams in Indianapolis have found that both populations show a tendency to improperly detect and respond to important novel changes in environment, as measured in recordings of brain-wave activity.

Hetrick finds the intercampus collaboration to be crucial to his research. "Indianapolis has the Alcohol Research Center, the medical school, and the Institute for Psychiatric

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View from the chair

IU Department of Psychology at the forefront

The overall theme of this issue of *PsychNotes* is interdisciplinary and cooperative research. For many years, faculty and graduate students from the Department of Psychology at Indiana University have been at the forefront of the field in promoting interdisciplinary research. Over the last several years, we have hired a number of faculty who bridge traditional areas of psychology, such as social and cognitive psychology, developmental and cognitive psychology, clinical psychology and neuroscience, animal learning and neuroscience, and sensory psychology and cognitive science, to name a few. In addition, many of our students have pursued PhD degrees in interdisciplinary areas. Our clinical science program, for example, is an exemplar for the nation for training many “hybrid” students (like former student Teresa Treat, who is featured in this issue’s alumni spotlight) with expertise in cognitive science or neuroscience as well as more traditional clinical psychology areas. In this issue of *PsychNotes*, many examples of the interdisciplinary approach to the study of the science of psychology are featured, including a description of the three-way collaborative grant held by Julie Stout, Jerome Busemeyer, and Peter Finn, descriptions of our interdisciplinary training grants, and details concerning collaborations that exist between faculty and students in this department and faculty and students at the IU School of Medicine in Indianapolis.

This emphasis on interdisciplinary approaches to the science of psychology continues here in the department. Our ongoing faculty searches are for individuals who bridge traditional areas of psychology. Also, we are currently building an MRI brain-imaging facility in the department that we anticipate will be used to promote interdisciplinary research that involves virtually all areas of research represented in the department. Finally, the College of Arts and Sciences is in the process of creating a new interdisciplinary undergraduate major in human biology. The Department of Psychology will play a key role in this program because of its strategic position at the intersection of the social, behavioral, computational, and natural sciences. These are indeed exciting times!

I would like to take this opportunity to thank the department’s alumni, students, faculty, and friends for their continued generous financial support. We appreciate any donations that we have received as they have helped us advance our research and teaching missions. I urge all of our readers to contact me if I can be of any assistance to you in my capacity as department chair. You can reach me by e-mail at steinmet@indiana.edu, by phone at (812) 855-3991, or via U.S. mail. I look forward to hearing from you.

— Joseph E. Steinmetz

Eleanor Cox Riggs Professor and Chair of Psychology

PSYCH♦NOTES

This newsletter is published annually by the Indiana University Alumni Association, in cooperation with the Department of Psychology and the College of Arts and Sciences Alumni Association, to encourage alumni interest in and support for Indiana University. For information on membership or activities, call (800) 824-3044 or send e-mail to iualumni@indiana.edu.

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Research

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collaborate with cognitive scientists, neuroscientists, developmental psychologists, and social psychologists when attempting to address questions about clinical phenomena.”

Stout agrees. “It is perhaps most interesting when collaboration involves multiple scientists who can be equal partners in the research,” Stout said. “To me, to make a great collaboration, everyone involved should have similar levels of interest in the project overall, even though their primary interests may be in different elements of the project.”

According to Stout, this is exactly the type of collaboration this project has — and what makes it so successful is the complementary interests and backgrounds and how each person adds uniquely to the project as a whole. “Each of our research programs has different scientific goals,” Stout explained. “Jerry’s has to do with cognitive modeling of decision making, Peter’s has to do with understanding individual differences in cognitive styles and personality in substance abusers, and mine has to do with understanding the roles of specific neurobiological systems in the problematic behaviors in patient populations.”

So far, the group has completed several papers on their findings, as well as book

chapters, presentations, and invited talks on the subject. One of the more interesting findings to date has been the specificity of the findings — that different types of drug abuse and different personalities lead to different reasons behind poor decision making. “Poor performance in some types of lesions or types of drug abuse is associated with impairments in learning and remembering which choices are good choices,” Stout explained. “Whereas in others, it is a tendency to attend overly to winning or less to losing outcomes. As we consider these patterns and test our hypotheses, the patterns appear consistent to neurobiological differences between groups in the brain’s learning versus motivational systems.”

The grant runs through 2005, but the group fully intends to apply for and secure renewal so that they can continue into another phase of the research. “The collaboration in our NIDA project has provided each of us, along with our research programs, with the opportunity to make progress on the goals most meaningful to us,” Stout said. “In ways, that would have been very difficult or impossible without the collaboration.”

More information on the work being completed by Stout, Finn, and Busemeyer is available at www.cogs.indiana.edu/Publications/techreps2002/251.

Department welcomes three new faculty members

Anne (Anita) Prieto joined the Department of Psychology in August 2003 after three years in the Department of Biology, where she worked as an assistant research scientist. She is currently a member of both the neurosciences and biochemistry programs. In her first semester with the department, Prieto is teaching behavioral



Anne (Anita) Prieto

neuroscience to undergraduate students and a portion of N500 Neural Science I to graduate students.

Prieto grew up in Santiago, Chile, where she obtained her undergraduate licentiate degree in

biochemistry, working on neurotransmitter transport in the chromaffin cells. She pursued her graduate studies at the Rockefeller University in New York, obtaining her PhD in 1992 with work in neural cell adhesion molecules and extracellular matrix proteins. From 1992 to 2000, she pursued postdoctoral studies, and she later became an assistant professor in the Department of Neuropharmacology at the Scripps Research Institute in San Diego, Calif.

Her current research focuses on molecular and cellular neuroscience, with particular interest in the impact that growth factors and their receptors have in brain function. She uses molecular and biochemical approaches to understand the underlying mechanisms that growth factors have in prolonging the life of neurons and causing neuronal precursors to differentiate and divide.

Prieto lives on the outskirts of Bloomington with her husband, Olaf Sporns, also a faculty member in the psychology department. The couple enjoys gardening, with the help of their three cats and the beautiful view of the countryside provided in rural Monroe County.

Eliot Smith received his PhD from Harvard University, and he joins the IU Department of Psychology after more than two decades as a member of the faculty at Purdue University in West Lafayette.



Eliot Smith

His research interests are in social psychology, particularly person perception, stereotyping, and prejudice. More specifically, he has been studying the

emotions that people experience when they think of themselves as members of social groups, and their role in prejudice and intergroup relations. He is also interested in emerging conceptualizations of cognition that emphasize its situated or interactive nature and dependence on embodiment, departing from the traditional picture of cognition as abstract information processing. In his view, these new ideas have radical implications for social psychology. Smith plans to use immersive virtual-reality technology to conduct studies of these topics. In addition to his research activities, he works as editor of *Personality and Social Psychology Review*, a journal of theoretical articles and literature reviews in personality/social psychology.

Smith is thrilled to live in Bloomington and is particularly enjoying the music, the restaurants, and the beauty of the campus and community. His previous connection with IU was as a parent: His daughter Miranda was an undergraduate here in the 1990s. She now lives with her husband in North Carolina, where she is completing a PhD in cultural anthropology at the University of North Carolina, Chapel Hill. Smith lives with his wife, Pamela, a technical writer and editor who (among other things) has edited two chemistry textbooks, and son, Thomas, who began his freshman year at Carleton College in Minnesota this fall.

Zak Tormala also joined the department in August 2003. Tormala is a social

psychologist who earned a PhD from Ohio State University. He grew up in the Washington, D.C., area, and received an undergraduate degree in psychology from Arizona State University.

Tormala's primary research interests lie in the areas of attitudes and social cognition. He is particularly interested in the role of metacognition, or people's perceptions and awareness of their own cognition, in persuasion and resistance to persuasion. He uses this metacognitive perspective to better understand when



Zakary Tormala

persuasion versus resistance will occur, as well as what the implications of persuasion versus resistance will be for the future life of people's attitudes.

In his first semester at IU, Tormala is teaching Introduction to Social Psychology to undergraduates. He enjoys teaching this course because it reminds him of why he got excited about the field in the first place. He also likes being able to see students applying social psychological theory and research to their own lives.

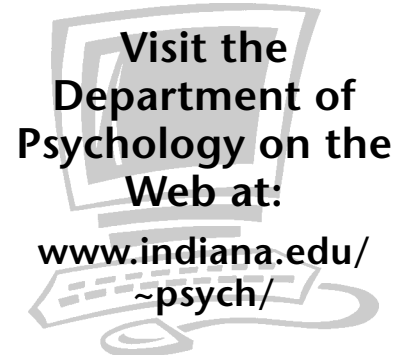
Tormala is happy to be living in a town with a thriving music scene. He plays the drums, but describes himself as particularly good at listening to music. He is hoping to get the chance to revive his jazz band — the Malcom and Jamal Warner Trio — which he describes as having “a huge Finnish following.”

Faculty news

Rich Shiffrin was elected a fellow of the Cognitive Science Society in October.

Esther Thelen's 1991 SRCD monograph, “Hidden Skills,” (with Bev Ulrich) was chosen as one of the “Twenty Studies That Fascinated Child Psychology” in a recent survey of members of the Society for Research in Child Development.

Bill Timberlake was elected a fellow of the American Association for the Advancement of Science in October.



Student news

Colleen A. Brenner received the J.R. Kantor award and also received an National Research Service Award fellowship from the National Institutes of Health/National Institute of Mental Health. The year-long fellowship will fund her dissertation on visual spatial working memory in schizophrenia.

Cynthia Drake received an honorable mention for a National Science Foundation graduate research fellowship for the 2003 competition.

Training grants provide research opportunities

In the pursuit of the best and the brightest, the IU Department of Psychology seems to have cornered the market on one way of attaining them: the training grant. Training grants are a multi-faceted solution that allows researchers to explore new methods of training, recruit the best students and trainees, conduct high-quality research, and use interdisciplinary methodology to assure a well-prepared scientific community in the future. The department currently holds four training grants that bring more than \$1 million a year into the department and expects a fifth will be re-added next year.

Richard McFall directs the Research Training in Clinical Science grant, funded by the National Institute of Mental Health. Whereas many training grants are designed to support a specific project or subject, the clinical science grant was developed to provide support to the individual work of the core faculty and their students both directly and indirectly. The grant supports four pre- and two postdoctoral students and has 18 core faculty from clinical, cognitive and neural science specialties.

The grant not only covers the tuition and fees for the fellows, but also provides a stipend and allows for travel to meetings, as well as providing for maintenance and development of the doctoral training program in general. This includes the purchase of equipment and supplies that will assist trainees in their research. "It is impossible to list all of the research that is benefiting from the funding," McFall explained. "Each faculty member on the grant creates his or her own research goals that fall in with the grant funding."

Linda Smith, director of the NIH-funded Training Program in Integrative Developmental Process, put grant funds to use on an interdisciplinary research training program in development. The program focuses on the interactional processes of normal and non-normal development in infants and young children and examines animal models. Pre- and postdoctoral trainees gain general knowledge in the developmental process as it relates to a variety of areas, including developmental psychobiology; neuroscience; perception-action; cognition; animal behavior; anatomy and physiology; psychophysiology; social, cellular, and molecular neuroscience; speech, hearing, or language pathology; language development; and adaptive physical education.

The program draws its experts from the areas of psychology, kinesiology, and speech and hearing sciences and currently funds the training of five pre- and two postdoctoral



Steven Seay, a predoctoral trainee on the "Research Training in Clinical Science" grant, adjusts infrared goggles on a subject taking part in his classical eyeblink conditioning research project.

students. "The funding we receive from NIH allows us to fund a higher-level training program," Smith said. "We are able to draw higher-level students and researchers to IU because of the interdisciplinary nature of this program."

Which is exactly what NIH intended by offering training grants. According to the NIH Web site, training grants are supposed to offer more than mere support for graduate-level education. "Their primary purpose is to stimulate and encourage specific programic goals by supporting only the best institutions and the best students."

David Pisoni is program director of the NIH-funded multidisciplinary training program in speech, hearing, and sensory communication. His grant provides funding for three pre- and five postdoctoral students to support travel to conferences and laboratory expenses, as well as paying their stipend.

The program provides specialized research training in the communication sciences and disorders, drawing faculty and laboratory facilities from psychology, linguistics, speech and hearing sciences, cognitive science, and neural science in Bloomington, as well as otolaryngology and radiology in the School of Medicine in Indianapolis. Trainees are expected to carry out research in one of the laboratories and gain specialized knowledge in areas such as anatomy and physiology of the auditory system, psychophysics of hearing and complex sound perception, acoustic and articulatory phonetics, and many more. The

long-term goal of the program is to provide specialized research training in the communication sciences and disorders to increase the number of qualified biomedical and behavioral research scientists working on basic and clinical problems in the area.

The Program in Neural Science also puts grant monies to use creating training opportunities that better ensure adequately trained scientists in the future. Training in Sensorimotor Neuroplasticity, an NINH-funded training grant directed by George Rebec, provides funding for two pre- and two postdoctoral positions.

The grant focuses on the neural mechanisms underlying the capacity of sensorimotor systems for adaptation and change. Sensorimotor adaptations are a routine part of normal motor learning and are evident at all levels of the nervous system, from higher-order cortical processing stations to brainstem and spinal nuclei. The grant brings together faculty studying these various systems to offer an integrative training program designed to understand more completely the neural substrates of motor control. "The grant has allowed PNS faculty from several departments to interact more fully in the training of pre- and postdoctoral researchers," Rebec said. It even spawned a new graduate-level course, N550 Seminar in Sensorimotor Plasticity, which has helped to generate widespread interest among all PNS students in the neural mechanisms of plasticity. "The grant has allowed students and postdoctoral

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Grants

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trainees an opportunity to enhance their research skills in a fundamentally important area of neuroscience,” Rebec said.

The fifth training grant, Modeling in Cognition, is expected to be re-approved in the spring after a brief lapse in funding. In the past, the grant has provided support for two pre- and two postdoctoral positions, but core faculty hope to be able to support four pre- and four postdoctoral positions when it is renewed. Headed by James

Townsend and Richard Shiffrin, the grant focuses on mathematical and computer simulation models of cognitive processes and draws on the internationally recognized expertise of 12 core faculty members.

“We are able to train our fellows and students in creating cognitive models, and also are applying the results to problems such as education, health, and government or business problem solving,” Townsend said. “Our training program provides a wide range of experience in many techniques, including mathematical models, stochastic processes, non-linear dynamical

systems, and neural net modeling.”

These experiences are applied in many areas of cognition, and trainees are given the opportunity to work on their skills in memory and learning, psycholinguistics, visual and auditory processing, speech production and perception, skill acquisition, categorization and conceptualization, decision making, problem solving, attention, and automatization. After five years of such study, predoctoral trainees are able to attain a joint PhD in psychology and cognitive science, and a certificate in modeling in cognitive science.

Intercampus

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Research,” Hetrick said. “That provides us with researchers already studying alcoholism, psychologists already studying schizophrenia, and behavioral geneticists — as well as access to populations and analysis techniques that we may not otherwise be able to tap.” Hetrick has three full-time research assistants in Indianapolis, as well as graduate students working in Bloomington to analyze the data of this ongoing project.

Brian O’Donnell takes full advantage of the benefits offered by intercampus collaborations, working on four research projects in collaboration with the IU School of Medicine. Utilizing the experts, equipment, and greater access to populations offered by the medical school, O’Donnell is working on projects related to Huntington’s disease and anti-psychotic medications, as well as two studies on schizophrenia.

The Huntington’s disease project involves the study of early-stage visual processing in Huntington’s disease in an NIH-funded project with Tatiana Foroud of the IU School of Medicine. O’Donnell and Foroud are evaluating early perceptual and cognitive changes in Huntington’s disease to try to find out whether visual disturbances precede the onset of neurologic symptoms and how they are related to quantitative measures of saccadic and pursuit eye movements.

O’Donnell is also working with the IU School of Medicine to study the effects of current and novel anti-psychotic medications. With Bill Hetrick of IU Bloomington, O’Donnell set up a psychophysiology laboratory within the Neuroscience Research Center (the center itself was founded by Anantha Shekhar, an IU medical school psychiatrist) to test the efficacy of psychopharmacologic agents. The laboratory uses state-of-the-art cognitive neuroscience paradigms to evaluate these treatments in a controlled

setting. It is one of the few laboratories in the country that has successfully implemented this type of collaboration between psychopharmacological trials and psychophysiological assessment of drug effects.

Schizophrenia and visual processing are two other major research interests for O’Donnell. In one project, he works with Anantha Shekhar of the IU Department of Psychiatry and Paul Lysaker at the Roudebush VA Medical Center. The aim of this project is to evaluate visual perception and working memory in schizophrenia and SPD, using both behavioral and electrophysiological measures. The model motivating the proposed research suggests that patients with schizophrenia will show disturbances of early-stage vision and

Working with Charley Goodlett of the Department of Psychology at IUPUI for the past five years, Steinmetz has been working on a rat model of fetal alcohol syndrome. The joint project is studying the effects of early alcohol exposure on brain function and behavior when the rats are adults. Dividing the project, Goodlett focuses on the anatomical changes that occur in the brain, studying the number and pattern of brain cells that are lost by alcohol exposure, while Steinmetz studies the physiological properties of the brain cells that survive. Both researchers use simple motor learning procedures to assess the effects of changes in cerebellar anatomy and physiology on behavior. A third collaborator on the project, Mark Stanton,

“The kind of collaboration we see between campuses is a reflection of the trend in science for the need for increasing expertise.”

— *Joseph Steinmetz, Chair, Department of Psychology*

visual-event-related potentials indicative of retino-geniculate or occipital cortex disturbances. Moreover, these disturbances appear to be most profound for stimuli and tasks requiring high temporal resolution or integration.

Finally, O’Donnell is working with student Marcie Wilt, members of the MRI Center at the medical school, and Shekhar to evaluate — using brain-imaging methods — how different types of visual tasks activate the brain and whether these patterns of activation differ between healthy adults and adults affected by schizophrenia. “None of my studies would be possible without my collaborators at the Medical School,” O’Donnell said.

Joseph Steinmetz, chair of the Department of Psychology, is also involved in an ongoing intercampus collaboration.

of the Department of Psychology at the University of Delaware, studies developmental factors related to the alcohol exposure as well as function of the hippocampus, another structure affected by early alcohol exposure. The initial findings have revealed that, similar to fetal alcohol syndrome humans, the alcohol exposure causes relatively severe neuropathologies in the cerebellum.

“The kind of collaboration we see between campuses is a reflection of the trend in science for the need for increasing expertise. Rapid transfer of protocols and data via the Internet has made possible many of these collaborations,” Steinmetz said.

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Alumni notebook

Before 1960

Raymond Headlee, BA'39, MA'41, MD'44, has worked as a psychologist, physician, and psychiatrist since graduating from IU School of Medicine in 1944. He has published 10 papers, numerous editorials, book reviews and the textbook *Psychiatry in Nursing* (Rinehart and Company, 1949). The Milwaukee resident and his wife, Eleanor, have three children and one grandchild.

James W. Hoose, BA'53, writes that his wife, Betty, died after 49 years of marriage. "I've retired and am teaching at community college and doing labor arbitration." He lives in Houston and can be reached at jhoose1@houston.rr.com.

John D. Auld, BA'59, MSBA'72, was named to the board of directors of Grabill Bancorp and Grabill Bank. He currently serves as the bank's executive vice president and senior lending officer. He lives in Fort Wayne, Ind.

1960s

Carol A. Race, BA'65, MLS'75, EdS'82, of Kirksville, Mo., was elected to serve a six-year term on the senate of the Phi Beta Kappa Society at its 40th Triennial Council in Seattle.

Susan J. Kupisch, BA'68, MS'69, PhD'76, is vice president of academic affairs at Lambuth University in Jackson, Tenn. She writes, "We sponsor the Mid-South Psychology Conference for undergraduate research and have participants from many other states." She lives in Jackson and can be reached at kupisch@lambuth.edu.

1970s

Richard D. Feldman, BA'72, MD'77, earned the 2003 American Medical Association Foundation's Pride in the Professions Award. He is director of the St. Francis Family Resident Program and former

commissioner of the Indiana State Department of Health. He lives in Indianapolis.

Diane Karay Tripp, BA'75, earned a master of divinity degree from Chicago Theological Seminary and a master of arts degree in liturgical studies from the University of Notre Dame. She was ordained a Presbyterian minister in 1980 and has served as a pastor for six years. Now working as a writer, she has published two books: *All the Seasons of Mercy* (Westminster, 1987) and *Prayers from the Reformed Tradition* (Witherspoon Press, 2001). She lives in Rolling Prairie, Ind.

Frank J. Deveau, BA'76, JD'80, a partner/director with Sommer Barnard Ackerson, Indianapolis, was elected to the firm's executive committee.

John P. Dormans, BA'79, is chief of orthopedic surgery at the Children's Hospital of Philadelphia, where he recently completed a two-and-a-half-year term as president of the medical staff. Also a professor of orthopedic surgery at the University of Pennsylvania School of Medicine, he and his wife, Nan, live in Gladwyne, Pa., with their four children, Nicholas, Andrea, Laura, and Katie. He can be reached at dormans@email.chop.edu.

Kyle E. Niederpruem, BA'79, vice president/senior media specialist for Hirons & Co. in Indianapolis, helped the company launch Verizon Wireless's HopeLine campaign in Indiana, providing confidential voice mailboxes for women in domestic violence shelters. Hirons & Co. received an Excellent Performance in Communications award for their efforts.

1980s

Paul L. Friman, BA'81, an attorney in New York City, who worked for WBWB radio from 1980 to 1982, seeks backstage photos of Journey (without

Steve Perry) taken after the concert at Assembly Hall in September 1981. The New York resident can be reached at pfriman@nyc.rr.com.

David L. Lyon, BA'81, BS'85, and his wife, Helen, celebrated the birth of their son, William, on Nov. 19, 1999. The Kill Devil Hills, N.C., resident is a rental manager for Atlantic Realty in Corolla, N.C., and can be reached at davelawrencelyon@cs.com.

Amy Gifford Hume, BA'84, writes, "I earned a master of arts in counseling psychology from Framingham State College in May 2003. I work in private practice as a career counselor and offer discounts to IU alumni!" She can be reached at amy@humeandresources.com.

Anne-Marie Damler, BA'85, is director of communications and marketing at IU Kokomo. The Noblesville, Ind., resident can be reached at annemarie1963@mac.com.

Kimble L. Richardson, BA'85, MS'87, is a mental health counselor at St. Vincent Stress Centers in Indianapolis and is a past recipient of the Indiana Mental Health Counselor of the Year award. The president of the Indiana Social Worker, Marriage & Family licensure board is also an adjunct faculty member at the University of Indianapolis in the Department of Psychology and the School for Adult Learning. Richardson is also a drummer for two bands: Circle City Sidewalk Stompers and Smokestack Jack & the Medicine Men. He lives in Indianapolis and can be reached at klichar@stvincent.org.

Geralynn M. Schneider, BA'88, writes, "My husband, John, and I welcomed baby number two, Rachel Nicole, born on May 13, 2003. I am taking a year off from teaching to be a stay-at-home mom." She and her family live in Cedar Rapids, Iowa, and can be reached at schneiderg@mchsi.com.

Cynthia McClaskey McClure, PhD'89, is the director of Southwestern Virginia Mental Health Institute in Marion, Va., after having worked as acting director of the institute for the past year. She can be reached at cmclure@swvmhi.state.va.us.

Karen E. Timberlake, BA'89, writes, "I was appointed secretary of the Department of Employment Relations in January 2003 by Wisconsin Gov. Jim Doyle." She and her husband, Eric Alvin, live in Madison, Wis.

1990s

G.L. Dike-Birbeck, BA'90, was recently awarded a \$378,000 grant from the National Institutes of Health to study the social and economic impact of epilepsy in Zambia. The assistant professor at Michigan State University lives with her husband, Matthew, in Mason, Mich., and can be reached at gretchen.birbeck@ht.msu.edu.

Lawrence J. Kaifesh, BA'90, just returned from Iraq, where he was a company commander responsible for securing the Ministry of Defense and United Nations compounds in Baghdad as well as the presidential palace in Tikrit. He lives in Costa Mesa, Calif., and can be reached at kaifesh@comcast.net.

Peter L. Geraci, BA'90, was promoted to manager of Montgomery County Adult Probation, a 42-bed jail in Dayton, Ohio. He and his wife, Patricia, moved to a new house in August 2002 and together they live in Springboro, Ohio, with their 2-year-old daughter, Jessica. He can be reached at geracip@montcourt.org.

Susan J. Sandberg, BA'90, writes, "I continue to work with Robert E. Stoll on the board of directors of the Bloomington Pops orchestra. This is my second year on the executive board as we rebound from tough economic times for

Alumni Spotlight

Treat continues research as clinical-cognitive scientist

Teresa Treat says she's on sabbatical this year. If history is any indication, however, it's going to be a very busy one. Treat began her education at Indiana University, majoring in psychology. In 1991, she received the J.R. Kantor Undergraduate Award for work on her honors thesis. Seven years later, she won the graduate equivalent of the same award, followed by the Irving J. Saltzman Award for outstanding graduate achievement in 2002. Now she's back at IU, if only for a few months, to continue working with colleagues in the department.

Her permanent home is now Yale, where she is an assistant professor in clinical psychology.

Treat completed a joint PhD in clinical psychology and cognitive science, working with Richard McFall, Richard Viken, John Kruschke, Rob Nosofsky, and David MacKay (from the Kelley School of Business). Her research focused on the use of theoretical models, measurement paradigms, and analytical techniques of cognitive science for the investigation of clinically relevant individual differences in cognitive processing.

In her graduate work, Treat examined the link between eating disorder symptoms and cognitive processing of shape-and-weight related information among college-age women. She also studied the role of college-age men's perceptions of women's sexual interest and provocativeness of dress in acquaintance-initiated heterosexual aggression. Her studies found that women who struggle with problematic eating patterns attend more to body size than facial expressions when viewing photos



Teresa Treat

of other undergraduate women. In Dr. Treat's continued research, she has collected data that suggests that these women also show a marked deficit in their memory of facial expressions when compared to women who report no eating-related difficulties.

Findings on college men's perceptions of women's sexual interest were similar. Her studies showed that men who pay more attention to how much skin women expose than to their facial expressions also feel more justified in continuing sexual advances in

the midst of a negative responses than men who focus more on women's facial expressions than bodies. She states that pursuing this line of inquiry across both content areas is deliberate: "This way I can examine the generalizability of the relevant theoretical and measurement models."

Dr. Treat now focuses her research primarily on applying the concepts and methods of cognitive science to advance clinical scientists' understanding of the role of cognitive processing in psychopathology. She also pursues her interest in the assessment and modification of social competence, as well as the development and evaluation of research-informed treatments in more traditional clinical settings. "Indiana offers the only NIMH-funded integrative training program in clinical, cognitive, and neural science," explained Treat. "The unique hybrid training experience is critical to the advancement of all three content areas. This innovative experience continues to guide my research efforts and shape my identity as a clinical-cognitive scientist."

nonprofit arts organizations, including the Pops. I also remain active on the Artistic Advisory Committee of the Pops and look forward to generating content and production ideas for upcoming concerts. We anxiously anticipate the return of 'Picnic with the Pops' this July." Susan adds that she had her first political campaign in 2003, and as a rookie candidate and only woman in the field, she came close to unseating an eight-year incumbent on the Bloomington City Council.

Wendy C. Sandlin-Wessel, BS'90, works for First American Title in Greenwood, Ind. She and her husband, Chad, have an 8-year-old son, Johnathon. Wendy writes, "May be back at IU soon for another degree!" She can be reached at cww46143@aol.com.

Jessica M. Lunken, BA'91, was promoted to director of development for the Department of Psychiatry and

Behavioral Sciences at the Fund for Johns Hopkins Medicine. She previously served Johns Hopkins as associate director of development for the departments of neurology and psychiatry, and at the Bloomberg School of Public Health. She lives with her husband, David A. Lunken, MBA'92, in Baltimore and can be reached at jlunken@jhsp.edu.

Carla J. Rusk, BA'92, finished her first year of teaching beginning and intermediate algebra at a local community college in Shelburn, Ind. She can be reached at crusklive@aol.com.

Charles W. Mathias, BS'93, was the winner of the National Institute on Drug Abuse's Women and Gender Junior Investigator Award. The Houston resident can be reached at science21@hotmail.com.

Colleen M. Ryan, BS'93, received an MA in education in

April 2002 from DePaul University in Chicago. She works as director of membership for the American College of Prosthodontics and can be reached at cryan@prosthodontics.org.

Jennifer A. Schott, BA'93, MS'96, is a counselor for Atterbury Job Corps Center in Edinburg, Ind. She lives in Martinsville, Ind., with her husband, Jeff, and can be reached at jen@eaglecorp1.com.

Matthew W. Deitchle, BS'94, BS'95, is an information systems support analyst at Steak 'n' Shake's corporate office in Indianapolis. A resident of Carmel, Ind., he can be reached at matthew.deitchle@prodigy.net.

Christy Heitger-Casbon, BA'95, writes, "I've written for dozens of magazines as a freelance writer, including *Woman's World*, *Cats USA*, *Breakaway*, *Brio*, and *American Fitness*. I also work as a full-time editor for SERVE, a regional

educational laboratory." The Tallahassee, Fla., resident can be reached at ccasbon@serve.org.

Ellen P. Hession, BA'94, writes, "I recently married IU alumnus Christopher Hession (BS'93), although we never met at IU. We met at law school in Chicago." The Chicago resident can be reached at ehession@sonnenschein.com.

Scott L. Baylin, BS'96, became a partner in his dental practice, Leikin and Baylin Dental Care, in Catonsville, Md. The Owings Mills, Md., resident can be reached through www.catonsvilledentalcare.com.

Dennis N. Wolkin, BA'97, and his wife, Elizabeth G. Wolkin, BS'95, celebrated the birth of their first child, Debra Michelle, on Nov. 16, 2003. They live in Norcross, Ga., and can be reached at wolkin@aol.com.

Jennifer L. Genovese, BA'97, is a clinician/intake specialist for MSPCC Family

(continued on page 8)

Alumni notebook

(continued from page 7)

Counseling in Springfield, Mass. She can be reached at jelperry@hotmail.com.

Katherine J. Purcell, BA'97, is a public policy consultant in Seattle, Wash. She can be reached at katypurcell@hotmail.com.

Catherine M. (Lynch) Deep, BA'98, married her high-school sweetheart, Matt Deep, on June 29, 2002. They are now living in State College, Pa.

Kent M. Haffner, BA'98, district sales manager for Hat World Inc., and his wife, April, celebrated the birth of their daughter, Kennedy Elizabeth, on Aug. 14, 2003. They live in Naperville, Ill., and can be reached at haffner1098@cs.com.

William E. Swigart, MS'99, BS'95, MD'03, completed his MD at IU in May and was married on June 7, 2003. He lives with his wife, Jana R. Swigart, BA'94, BS'98, in Indianapolis, where he will be completing a residency in emergency medicine. He can be reached at weswigar@iupui.edu.

Stephanie M. Young, BA'99, earned his MA in counseling psychology in 2002. The New Albany, Ind., resident is a psycho-therapist for Personal Counseling Service in Clarksville, Ind., and can be reached at smyoun03@yahoo.com.

2000s

Amanda J. Miller, BA'00, is pursuing a PhD in sociology at Ohio State University. She can be reached at amanjay@aol.com.

Janna L. Bradley, BS'01, is in the IU master's program for higher education and student affairs. She writes, "I will work as an academic adviser at IUPUI in University College as well for my assistantship." She can be reached at jannabradley@aol.com.

Colleen F. Long, BA'01, of Clarksville, Ind., is working toward her PsyD with a health emphasis at Spalding University in Louisville, Ky. She can be reached at colleen26126@aol.com.

Ashli Ann Worden, BA'01, was promoted to assistant account executive at Sheehy & Associates in Louisville, Ky., working on the Kroger account. The Borden, Ind., resident can be reached at ashword2@aol.com.

Madeleine E. Mogle, BA'02, writes, "After graduating in December 2002 with a BA in psychology and sociology from IUB, I worked as a case manager for the mentally ill in Chicago." In saying she received a fellowship from the University of Michigan and began her MSW degree with a concentration in geriatrics in August, she notes, "Ann Arbor is NOTHING compared to Bloomington." She can be reached at mmogel81@hotmail.com.

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