

# NATIONAL KIDS JUDGE! PARTNERSHIP: PAST, PRESENT, AND FUTURE

*Satellite Symposium to the  
34<sup>th</sup> Meeting of the Society for Neuroscience  
San Diego, California – 2004*

## FINAL PROGRAM

Manchester Grand Hyatt Hotel, San Diego  
Cunningham Rooms A, B & C  
Symposium: 12:00 pm – 6:00 pm  
Reception: 6:00 pm – 7:00 pm  
October 22, 2004

### *Welcome and introduction*

12:00 **Deborah L. Colbern, PhD**  
Director, National Kids Judge! Neuroscience Partnership  
BEEMNET, Inc. (Brain-Exchange Education & Mentorship Network)

### **KJ! PARTICIPATION FOR CREDIT - UNDERGRADUATE EDUCATION**

#### *NorthEast Pennsylvania Kids Judge! Neuroscience Fairs*

12:20 **J. Timothy Cannon, PhD (15) - Program highlights and contributions.**  
Professor, Department of Psychology  
Director, Neuroscience Program  
University of Scranton (PA)

12:35 **Lindsey Schneider (15) - Worm girl: The formative years.**  
Undergraduate  
University of Scranton (PA)  
*Video: The Nerve of that Worm*

#### *Palouse Kids Judge! Neuroscience Fairs*

12:50 **David Rector, PhD (15) - Program highlights and contributions.**  
Assistant Professor, VCAPP (Veterinary & Comparative Anatomy, Pharmacology and Physiology)  
Washington State University, Pullman

01:05 **Patrick Hines (10) - Meeting your potential.**  
Undergraduate  
Washington State University, Pullman

01:15 **Tiffany Ludka, BS (10) - Synaptic tag.**  
Medical Student  
Washington State University, Pullman

## ***Minnesota Kids Judge! Neuroscience Fairs***

- 01:25 **Eric Wiertelak, PhD** (15) - *Program highlights and contributions.*  
Professor, Department of Psychology  
Director, Neuroscience Program  
Macalester College, St. Paul, MN  
President, Faculty for Undergraduate Neuroscience (FUN)
- 01:50 **Galynn White** (15) - *Eye Ballz: A Crash-Course in Classroom Management*  
Undergraduate  
Macalester College, St. Paul, MN
- 02:05 **David Busha** (20) - *Rats!*  
Undergraduate  
Video: “*Dave’s Video Introduction to Animal Research*”  
Video: “*Proud Indigenous People for (Neuroscience) Education*” a.k.a. “*Brain vs. Bots*”  
Macalester College, St. Paul, MN

## **KJ ! VOLUNTEER PARTICIPATION - UNDERGRADUATE AND GRADUATE EDUCATION**

### ***East L.A. Kids Judge! Neuroscience Fairs***

- 02:25 **Cynthia Acosta, MS** (for **Sonsoles de Lacalle, MD, PhD**) (20) - *Program highlights and contributions.*  
Video: “*Would you like to be a scientist?*”  
California State University, Los Angeles (Cal State Los Angeles)
- 02:45 **Adekunbi Williams** (10) - *Get Ready for Some Action . . . Potential.*  
Undergraduate, Early Entrance Program  
California State University, Los Angeles
- 02:55 **Fernando Galvez, MA** (15) - *Kid Judges! Why they matter, how they learn, what they need to know.*  
Elementary School Teacher  
Ann Street Elementary School (Los Angeles CA)
- 03:10 **BREAK (20) - Food and caffeine!**

### ***Oregon Kids Judge! Neuroscience Fairs***

- 03:30 **William Cameron, PhD** (15) - *Program highlights and contributions.*  
Associate Professor, Behavioral Neuroscience  
Oregon Health & Science University  
Chair, Committee on Neuroscience Literacy, Society for Neuroscience

### ***Kids Judge! at Penn***

- 03:45 **Jennifer Heerding, PhD** (for **Steven J. Fluharty PhD**) (15 min) - *Program highlights and contributions.*  
Associate Director, Biological Basis of Behavior Program  
Mahoney Institute for Neurological Sciences  
University of Pennsylvania (Philadelphia)

## ***National Kids Judge! Neuroscience Partnership***

04:00 **Evolution of “Synaptic Land”** (45 min) - *Mini Film Festival and Panel Discussion*

Video: “*Synaptic Land*” a.k.a., “*What Paul and Adam Started.*” – World Premiere (20)

Video: “*Introduction to the Synapse*” – Kids Judge! at Penn (10)

Video: “*The Citrus Synapse*” - Bravo Medical Magnet High School (2)

### ***Synaptic Land Panelists:***

**Marichris Orbeta-Ancheta, BA** (post-baccalaureate student)  
University of Pennsylvania

**Cynthia Acosta, MS**  
**Katharine Nelson** (undergraduate)  
California State University, Los Angeles

**Rueny Felix** (High school senior)  
**Penelope Valdez, MA** (High school science teacher)  
Bravo Medical Magnet High School, Los Angeles, CA

## ***Iowa Kids Judge! Neuroscience Fairs***

04:45 **Kathleen Sluka, PhD** (for Jane Paulsen, PhD) (15) - ***Program highlights and contributions.***

Associate Professor, Physical Therapy and Rehabilitation Science Graduate Program;  
Neuroscience Graduate Program, and Pain Research Program.

University of Iowa, Iowa City

Video: “*KCRG Channel 9 News: Good Vibrations*”

05:00 **Kathleen Sluka, PhD** (15) - ***Jump start your nerves: The science behind the competition.***

Associate Professor, Physical Therapy and Rehabilitation Science Graduate Program;  
Neuroscience Graduate Program, and Pain Research Program.

University of Iowa, Iowa City

Video: “*Jump Start Your Nerves*”

## ***Continuing and Future Partnerships in Neuroscience Research and Education***

05:15 **Mariddie J. Craig** (25) - ***Research and Education: A Tribal Priority.***

Tribal Council Member, White Mountain Apache Tribe (WMAT), Whiteriver, AZ

Video: “*A New Opportunity: White Mountain Apache NARCH Program*”

(NARCH is the acronym for “Native American Research Centers for Health”)

05:45 ***Closing Discussion and Thank You!***

06:00 ***Reception***

**Biosketches for Symposium Speakers, Attendees,  
and Kids Judge! Neuroscience Fair Organizers (not inclusive)**

**Cynthia Nicole Acosta, M.S.**

**California State University, Los Angeles**

Ms. Acosta completed her M.S. degree in Biology in 2004 from the California State University, Los Angeles. Her thesis addressed the combined effect of robotic locomotor training and quipazine treatment on locomotor recovery in the spinal transected rat. She has been working on research associated with spinal cord injury in the Spinal Plasticity Lab at CSULA for the past 2 years. She is now preparing to apply to medical school and hopes to practice medicine in a specialty associated with the field of neuroscience. She has assisted in organizing the 2003 and 2004 Kids Judge! Neuroscience Fairs at CSULA.

**Amy Beadles-Bohling, Ph.D.**

**Oregon Health & Science University**

Ms. Beadles-Bohling received her Ph.D. in 2004 from the Neuroscience Graduate Program at The Oregon Health & Science University. Her dissertation focused on the role of the kappa opioid receptor in withdrawal from alcohol and was performed under the supervision of Dr. Kristine Wiren. She was a Co-organizer of the 2002 Oregon KJ! Neuroscience Fair and is currently a Senior Research Associate in the Department of Behavioral Neuroscience at Oregon Health & Science University.

**Adrienne Benediktsson**

**University of Iowa**

Ms. Benediktsson is a fifth year Neuroscience graduate student studying the role of glutamate receptor activity on astrocytes. She was a co-organizer for the 2002 Kids Judge! Neuroscience Fair at the University of Iowa.

**Sandra Brabb, M.A.**

**Washington State University**

Ms. Brabb received her B.A. in Communications/Public Relations (1987) from the California State University at Fullerton. She earned a Masters in Business Administration from Washington State University (2004), Pullman, Washington. Sandi has an extensive background in non-profit and educational marketing and public relations. She joined the Department of Veterinary and Comparative Anatomy, Pharmacology and Physiology in 1992 as Principal Assistant to the Chair. She became the Neuroscience Assistant Director in 2002 and is responsible for strategic planning, program administration, marketing, recruitment, fundraising, and undergraduate advising

**David Busha**

**Macalester College**

In his senior year as an undergrad majoring in neuroscience at Macalester College (Saint Paul, MN), Dave is a two-time participant in the annual Kids Judge! Fair. His first year, (2002) Dave presented a "real-life" experiment involving the effects of an NMDA receptor antagonist on an animal model of discriminatory learning. During his second Kids Judge! experience (2003), Dave was a preceptor and mentor for new undergraduates presenting in the fair and he also served on the organization committee. Currently Dave is working on a project with Dr. Eric Wiertelak, researching the effects of several psychoactive herbs (reportedly used in traditional

Chinese medicine) on pain sensitivity using rat models of nociceptive responsivity. Hoping to continue his work investigating non-opiate mediation of pain responsivity, Dave will be going on to graduate school (fingers crossed) in the fall of 2005.

**Bill Cameron, Ph.D. (alias "Wee Willie" for Brains Bowl)**

**Associate Professor, Dept. Behavioral Neuroscience**

**Oregon Health & Science University**

My research and efforts focus on methods encouraging neuroscientists to play a more active role in K-12 education. After three decades as a respiratory neurophysiologist, I have left benchtop science to pursue science education. I am one of the principal architects of the nation's largest Brain Awareness Week celebration and an advocate for translation of scientific discovery for the public. I assume the chair of the Committee on Neuroscience Literacy for the Society for Neuroscience at this meeting. This committee is charged with implementing educational programs of the Society to enhance interest in the field of neuroscience.

See: Cameron W, Chudler E (2003) A role for neuroscientists in engaging young minds. *Nature Reviews: Neuroscience*. Sep 4:763-768.

**J. Timothy Cannon, Ph.D.**

**Director, Neuroscience Program**

**Professor, Psychology**

**The University of Scranton**

I have been teaching at The University of Scranton for 22 years and founded its Neuroscience Program 17 years ago. I did post-doctoral work at UCLA, where I first met Dr. Colbern. My doctoral degree in Experimental Psychology was earned at the University of Maine, Orono. Completing the circle, I earned a B.S. in psychology from The University of Scranton. I was named Pennsylvania Professor of the Year by Carnegie Foundation in 1995. My research interests include pain inhibition and evolutionary psychology. My students and I were involved in early BEEM-Net activities with Dr. Colbern in 1992. We have organized five Kids Judge! Neuroscience Fairs and we have one on the way (November 13, 2004). We have also begun to take the Kids Judge! format "on the road" to regional schools.

**Deborah L. Colbern, Ph.D.**

**Director, National Kids Judge! Partnership**

**President and Scientific Director, BEEMNET, Inc.**

Dr. Colbern received her B.A. in Psychology from San Diego State University, her M.A. in (Physiological) Psychology from the University of Florida in Gainesville, and her Ph.D in Neuroscience from the Brain Research Institute at UCLA. As a bench scientist her research focused on the role of neuropeptides in behavior. She completed her postdoctoral training at the University of Illinois at Chicago (UIC) and in the Netherlands at the Rudolf Magnus Institute for Pharmacology at the University of Utrecht. Dr. Colbern was a faculty member in the Department of Physiology and Biophysics at the UIC School of Medicine where, in 1992, she and the students in her "Methods in Modern Neuroscience" class created the first Kids Judge! Neuroscience Fair for kids in the Chicago Public Schools. It was imperative that the Kids Judge! exhibits be hands-on to make the demonstrations accessible to all the young judges, many of whom were blind or had low vision. BEEMNET (which at the time stood for "Brain-Exchange Electronic Mail NETwork") was first demonstrated in 1992 at the UIC Fair as a live internet connection between Dr. Tim Cannon's undergraduate students at the University of Scranton and the 4<sup>th</sup> grade children at the fair in Chicago. In 1993, Dr. Colbern moved her laboratory back to the Brain Research Institute at UCLA and continued her NIAAA-funded research on

neuropeptide involvement in the effects of alcohol on memory. With funding from the National Institute on Drug Abuse, Dr. Colbern incorporated BEEMNET in 1996, subsequently dispersed her laboratory equipment, and began doing neuroscience education projects (more than) full-time. BEEMNET is now an acronym for "Brain-Exchange Education & Mentorship NETWORK". As of October 2000, again with funding from NIDA, Dr. Colbern established the National Kids Judge! Neuroscience Partnership and is currently Director of that organization.

**Maridde J. Craig**  
**Tribal Council Member**  
**White Mountain Apache Tribe**  
**Whiteriver, Arizona**

**Nephi Craig**  
**Native American Culinary Association**  
**Better Ones Productions**  
**Tempe, Arizona**

Nephi Craig is a classically trained Native American chef. He is one half *Navajo* on his father's side and also an enrolled member of the *White Mountain Apache Tribe* on his mother's side. Nephi has been cooking professionally for over seven years on and off the reservation, but primarily in the city of Scottsdale. He has worked at *The Country Club at D.C. Ranch* in North Scottsdale and most recently Nephi has worked at *Mary Elaine's at The Phoenician Resort* in Scottsdale, one of the best restaurants in the nation. Nephi is also involved in film production and is currently producing a short film for *Johns Hopkins University / Native Visions Sports Camp program*, which is due out this fall of 2004. He has also worked on other films for the *White Mountain Apache Tribe, The Heard Museum, The American Indian Higher Education Consortium and Roja Productions of New York* as a production assistant, photographer, writer and as of recently a producer for *Better Ones Productions* on the *Native Visions project*.

Nephi is also the *Chef Founder/Developer* of *the Native American Culinary Association*, an organization dedicated to researching, developing and preserving Native American Cuisine as well as serving as a network for other working professional chefs and new emerging culinary talent. Craig founded the *Native American Culinary Association* to remedy the fact there is little or no authentic representation of Native Americans in the world of professional cookery and to bring American Indian flavors, techniques, philosophies and ingredients to the world palette. *The Native American Culinary Association* continues to gain support from across the nation.

**Rueny Felix**  
**Bravo Medical Magnet High School, Los Angeles, CA**

I go to Bravo High School. I am currently a senior. When I graduate from high school I am going to go to college. My dream is to get accepted to a good school. I want to become a Physical Education Teacher. During my spare time, I enjoy hanging out with my friends. I especially like to hang out with my special girl. I would describe myself as a good friend to count on, and feel comfortable with. Last year when I was in the 11th grade, my physiology teacher had us do a project. I got the "Synaptic Land" project. In this project, I had to build a board game to simulate what's going on at the synapse--the section between two "talking" neurons. I made the project on a big piece of wood. Then I created the synaptic knobs and receptors using cut out plastic cylinders. I used limes as my neurotransmitters. My project

showed how the neurons send signals to other neurons or to other cells. It also showed what can happen if the receptors are not working their job of capturing the limes--which are the neurotransmitters. Well, if this happens, my board game will be filled with limes! And that's not healthy for the person.

At the end of my project, I was satisfied with my work. It was fun, and a really good experience. I never thought that I would ever get the chance to do something like this. I especially liked it when some elementary students came and I showed them my project. I was very happy to see their faces when they saw and played the game I built. They had fun trying to capture as much limes and I hope that they learned something about how our brain works through my synaptic land project.

**Fernando Galvez, M.A.**  
**Ann Street Elementary School, Los Angeles, CA**

Mr. Galvez is a Fourth and Fifth Grade teacher at Ann Street Elementary School. He graduated from California State University, Los Angeles with a degree in Child Development. Mr. Galvez integrates multimedia technology in his teaching to achieve benchmark expectations at the elementary school level. His strategies and curriculum approach has allowed English Language Learners to achieve grade level success.

**Rebecca Hammond, B.S., B.A.**  
**Oregon Health & Sciences University**

Ms. Hammond received her B.S. in Biological Sciences and B.A. in Psychology in 2000 from the George Washington University in Washington, DC. Currently, Rebecca is a 5th year graduate student working on her Ph.D. dissertation in Dr. Robert Stackman's lab at Oregon Health & Science University, and is examining the role of small-conductance Ca<sup>2+</sup>-activated K<sup>+</sup> channels in hippocampal plasticity, learning, and memory. She was a co-organizer of the 2002 and 2003 Oregon Kids Judge! Neuroscience Fair.

**Andrea Heberlein, Ph.D.**  
**University of Pennsylvania**

Dr. Heberlein received her Ph.D. in Neuroscience in 2002 from the University of Iowa. Her dissertation was on the neural basis of cognition and emotion. Currently she is a post-doc at the University of Pennsylvania in Dr. Martha Farah's laboratory. Dr. Heberlein was a co-organizer for the 2001 KJ! Fair at the University of Iowa as well as an advisor and participant in the 2004 Kids Judge! Neuroscience Fair at the University of Pennsylvania.

**Jennifer Heerding, Ph.D.**

Dr. Heerding received a B.S. in Chemistry from the University of California, Davis, in chemistry, an M.S. in chemistry from the University of California, Berkeley, and a Ph.D. in Pharmacology from the University of Pennsylvania. Dr. Heerding completed a post-doc in the Department of Animal Biology at the University of Pennsylvania and subsequently worked in the pharmaceutical industry as a medical writer for SmithKline Beecham and Incyte Genomics. Thereafter, Dr. Heerding returned to the University of Pennsylvania in 2002 to become the Associate Director for the Biological Basis of Behavior Program.

**Katherine Hill, Ph.D.**  
**Lycoming College, Pennsylvania**

Dr. Hill received her Ph.D. in 1999 at Kansas State University, where she specialized in the

study of Physiological Psychology under the supervision of Dr. Stephen W. Kiefer. Following graduate school, Dr. Hill did a postdoctoral fellowship at the Oregon Health & Sciences University in Portland, OR, where she worked with Dr. Chris Cunningham. Her research interests are in drug and alcohol reward and addiction. Currently, she is a Visiting Assistant Professor of Psychology at Lycoming College in Williamsport, PA. She was a co-organizer of the 2002 Oregon Kids Judge! Neuroscience Fair.

### **Patrick Hines**

#### **Washington State University**

Mr. Hines is a senior at Washington State University working on his bachelors degree in both Neuroscience and Psychology. He has completed a literature research project on corticosterone and the reward circuit with Dr. Barbara Sorg. He is currently collecting data for a psychology experiment involving undergraduate attitudes towards sexual minorities while developing a subtle measures questionnaire with Daniela Hugelshofer at WSU. He has also been a Washington State University Ambassador through the Neuro Club, which participates in school and community functions. He volunteers at a healthcare facility for the elderly, with an interest in the neuropsychology of aging. His future plans are to attend graduate school, preferably in a Neuropsychology program.

### **Monique C. James, B.A.**

#### **University of Pennsylvania**

Ms. James completed the University of Pennsylvania's Special Science Post-Baccalaureate Program in August of 2004 where she studied pre-medical sciences. In June of 2003, Ms. James graduated from Harvard University with a B.A. in Biological Anthropology. The Miami, FL native now resides in New York City, NY and is working at Memorial Sloan Kettering Cancer Center in Manhattan. Ms. James was part of the Synaptic Land creative team at Penn.

### **Ana Hutton-Kehrberg**

#### **University of Iowa**

Ms. Kehrberg is in her sixth year as a Neuroscience graduate student at the University of Iowa in Iowa City. She is studying the role of nitric oxide on the effects of fetal alcohol exposure in mice and was a co-organizer for the 2001, 2002, and 2003 Iowa Kids Judge! Neuroscience Fairs.

### **Fred Letterio**

#### **University of Pennsylvania**

I learned my basic machinist trade at Mastbaum Vocational Tech. After graduating in June 1959, I started a four year night course for Tool & Die making, along with working a full time job as a machinist. I completed my evening school in 1963, and continued to work as a machinist, and machine builder until the end of 1969. This is when I became blessed by my hiring at the Mahoney Institute of Neurological Sciences, at the University of Pennsylvania. After 17 years, I was asked to be the supervisor of our shop. This will be my 35th year at Penn and I have loved every minute of it. My involvement in the Kids Judge! Fair was also a very fortunate happening for me. A phone call from Dr. Bob Barchi's wife, Francis, was the beginning of my entrance into Synaptic Land.

There were actually three projects for the students that I helped with. A group of three students, (Zita Shiue, Lorriann Tran, and Lisa Maeng) requested two "racetracks" for their "Food for Thought" They were made of ½" plywood, 36" wide x 72"long. I cut them in a

serpentine shape and they were later painted red to represent "blood vessels". This group took First Place in their category.

The two "Synaptic Land" board games that I helped build for Marichris Orbeta, Loc Ton, Arati Sadalge Kreibich and Monique James were made of 3/4" plywood x 48" square. The cue sticks were 1/2" diameter dowel peg, approx. 36" long. These, plus the paint, and black poster board, buckets and ping pong balls, were supplied by the group. The rubber attached to the end of the cue sticks was cut from a 4 1/2" diameter rubber tube, with a 3/16" wall thickness. Slices of this tube, approx. 2" wide were sawed off, then cut in half. 3" holes were cut into various locations of the two boards, which were bordered by 4" wide U-bolts. Marichris and Loc did the artwork on both boards. I was proud to see this group also take First Place in their category.

**James W. Lewis, Ph.D., J.D.  
Attorney, Los Angeles**

James W. Lewis, Ph.D., J.D., received his doctoral degree in Physiological Psychology from UCLA and was a NIDA postdoctoral fellow at the Mental Health Research Institute at the University of Michigan. As a scientist, Dr. Lewis' research focused on mechanisms of pain and pain inhibition. Dr. Lewis was a Lecturer in the Department of Psychology at UCLA for 5 years while he attended the UCLA School of Law. Currently, he is an attorney practicing employment and civil rights law.

**Tiffany Ludka  
University of Washington**

Ms. Ludka is a first year medical student at the University of Washington. She received a B.S. in neuroscience from Washington State University and is interested in pediatrics, neurology, and rural medicine. She also hopes to devote some time in the future to medical care in the developing nations of Central and South America. She has research experience in a sleep research laboratory and has also done some research on Parkinson's Disease. She is currently a student member of the Society for Neuroscience and the Medical Student Association.

**Tara Macey, B.S.  
Oregon Health & Science University**

Ms. Macey received her B.S. degree in Biotechnology from Rutgers University and is finishing her doctoral work in the Department of Behavioral Neuroscience this year at Oregon Health & Science University. She will be starting her postdoctoral work in the Pharmacology Department at the University of Washington in January, 2005. Ms. Macey was co-organizer of the 2002 and 2003 Oregon Kids Judge! Neuroscience Fairs.

**Lisa Maeng  
University of Pennsylvania**

Ms. Maeng is presently a senior at the University of Pennsylvania majoring in Biological Basis of Behavior. Lisa has been involved in tutoring at the elementary school level through the America Counts/America Reads program, teaching basic science to middle school students via the Access Science program, spreading nutrition awareness to high school students as a member of the Urban Nutrition Initiative, and conducting Drosophila muscle research in the cell and developmental biology laboratory. She is one of the founding sisters of a newly established sorority on campus. As the Community Service/ Philanthropy Chair of her sorority, Lisa has launched the Purple Ribbon Project for Domestic Violence Awareness month. She learned of

Kids Judge! from Lorriann Tran and was excited to participate in the neuroscience-related fair, working with Lorriann and Zita Shiue.

**Katharine L. Nelson**  
**California State University, Los Angeles**

Ms. Nelson is completing her B.S. in Biology at California State University, Los Angeles, where she founded the campus Neuroscience Club. Katharine has performed research at the Spinal Cord Injury lab at CSULA under Dr. Ray De Leon. She has also participated in an ongoing study of Transcranial Magnetic Stimulation through Laurentian University – though she has yet to see God. Her interests in neuroscience are wide-ranging, but the short list can be whittled down to Learning and Memory, Biofeedback, Brain Imaging and Cortical Processing. When she is not traipsing the halls of CSULA, Katharine can often be found teaching math and science to teenagers in programs such as UCLA's Summer Institute for the Gifted. The rest of the time, she's in the circus. Katharine is not yet sure whether she would like to be an MD, a PhD, or both.

**Marichris Orbeta-Ancheta, B.A.**  
**University of Pennsylvania**

I am currently a post baccalaureate student at University of Pennsylvania. I got my bachelor degree at the University of California, Irvine, in Biological Sciences. I want to pursue a career as a physician in emergency medicine. I have been involved with emergency medicine research for over three years and was named a co- investigator for a study called the "Matrix" which compared the standard rectal temperature measurement with a new auxiliary measurement for kids ranging from six months to three years old in Orange, California. I have had numerous opportunities to work with kids as a tutor and mentor both in California and in the Philippines. I was excited to be part of the Kids Judge! Neuroscience Fair at Penn and to be part of Synaptic Land which helped explain the concept of the synapse to elementary school students in Philadelphia.

**Kunal Patel**  
**University of Scranton**

I am a senior undergraduate student at The University of Scranton majoring in Biology and Neuroscience. I am currently in the midst of applying to medical schools. I would like to practice medicine in the future (unsure as to what specific field yet) and teach part time at a medical school. I took part in the Kids Judge! Neuroscience Fair two years in a row and then started the outreach program to take it "on the road" to local elementary and intermediate schools. I am also planning on taking part in this fall's fair in November. Two years ago, I started a club titled "The Scranton Neuroscience Society" at the university for all students interested in neuroscience.

**Jane Paulsen, Ph.D.**  
**University of Iowa**

Dr. Paulsen is a Professor in the Departments of Psychiatry, Neurology, and Psychology, the Neuroscience Program, and Co-director of the Huntington's Disease Center of Excellence at the University of Iowa in Iowa City. She has served as a faculty advisor for Brain Awareness Week for many years.

**Cheryl Reed, Ph.D.****Oregon Health & Science University**

Dr. Reed received her Ph.D. in Biobehavioral Health from The Pennsylvania State University in 1998. Her dissertation, under the supervision of Dr. Byron Jones, was on the genetics of cocaine sensitivity. She is currently a Senior Research Associate in the Department of Behavioral Neuroscience at Oregon Health & Science University. Dr. Reed was a co-organizer of the 2002 and 2003 Oregon Kids Judge! Neuroscience Fairs.

**Arati Sadalge Kreibich (graduate student)****University of Pennsylvania**

My current research interest lies in delineating the role of the transcription factor, CREB (cAMP response element binding protein) in mediating stress induced vulnerability to cocaine. I have found that CREB is critical in mediating stress-induced but not drug-induced reinstatement to cocaine conditioned place preference. This may point to different avenues of treatment for stress-induced relapse in cocaine addicts. Although this is the first time I have been involved in Kids Judge!, I have been active in other Neuroscience outreach programs at Penn. For the past 4 years, I have helped organized the Brain Bee at Penn. In addition, I have also taught high school students in a summer Outward Bound neuroscience program at Penn.

**Lindsey Schneider****University of Scranton**

I am a Senior Neuroscience major at the University of Scranton. I've participated in four Kids Judge! Neuroscience Fairs beginning in my freshman year. Currently, I am organizing the Fair scheduled for November 13, 2004. This year, our Neuroscience club, "Scranton Neuroscience Society," will also be participating in the fair. I am going to apply to pharmacy school and I hope to specialize in neurology.

**Zita Shiue****University of Pennsylvania**

Ms. Shiue is currently a senior at the University of Pennsylvania, majoring in both Biological Basis of Behavior and Economics. Her interests in teaching children and neuroscience spurred her participation in the Kids Judge! Neuroscience Fair and she has found it to be a tremendously enjoyable experience. Zita is also involved in several clubs and activities on campus including Peer Advising for freshmen, being on the executive board of a club called Check One, the Undergraduate Economics Society, Center for Sleep and Respiratory Neurobiology laboratory research, and health economics research as part of the Leonard Davis Institute. She hopes to attend medical school next year and is looking forward to an exciting last year at Penn.

**Sarah Shoemith-Berke, Ph.D.**

Dr. Berke received her Ph.D. in Neuroscience from the University of Iowa in 2004. Her dissertation was on polyglutamine disease and the ubiquitin proteasome pathway. She was a co-organizer for the 2001 KJ! Neuroscience Fair, organizer emeritus in 2002, and is currently enjoying motherhood and looking for a position in science education in New Haven, CT.

**Kathleen Sluka, Ph.D., P.T.**

Dr. Sluka is an Associate Professor in the Physical Therapy and Rehabilitation Science Graduate Program, Neuroscience Graduate Program, and Pain Research Program. She has been the Faculty advisor / co-Director for Brain Awareness Week from 1997 to 2003.

**Christine E. Stanik, B.S.****University of Michigan**

Ms. Stanik received her B.S. in Psychology from the University of Scranton in 2004. While at Scranton she served as co-coordinator for three Kids Judge! Neuroscience Fairs and was responsible for interfacing with the Scranton-Pocono Council of the Girl Scouts. Currently she is pursuing doctoral studies in social psychology at the University of Michigan. Her research interests include the evolution of mental disorders, behavioral genetics, and sexual dimorphism in non-human primates.

**Lorriann Tran****University of Pennsylvania**

Ms. Tran is a senior at the University of Pennsylvania majoring in Biological Basis of Behavior. She was former co-chair of the Vietnamese Student Association, a mentor in the PEER mentoring program, a correspondent with third graders in the Pennvelopes Program, and a researcher in the Grady neurosurgery lab. Ms. Tran hopes to pursue a career in medicine as a neurologist and is currently applying to medical schools. Lorriann became involved in Kids Judge! when her research mentor, Dr. Jonathan Lifshitz (who, as an undergraduate at UCLA, participated in the 1995 UCLA Kids Judge! Fair) encouraged her to do so. Along with Lisa Maeng and Zita Shiue, Ms Tran is presenting the "Food for Thought" activity at the Hands-On Neuroscience Workshop at the Society for Neuroscience Meeting in San Diego.

**Beth Turner****University of Iowa**

Ms. Turner is in her fifth year as a Neuroscience graduate student studying gender differences in the effects of acute marijuana use on driving performance. She was a co-organizer for the 2002 Iowa Kids Judge! Neuroscience Fair.

**Galynn White****Macalester College**

Ms. White is in her third year at Macalester College majoring in Political Science and English. She hopes to obtain a Master's degree in education upon receiving her undergraduate degree. Ms. White was a presenter at Minnesota's 2003 Kids Judge! Neuroscience Fair.

**Adekunbi Williams****California State University, Los Angeles**

Ms Williams is a 15 year old undergraduate student at California State University, Los Angeles (CSULA / Cal State LA), admitted to the university as a part of the Early Entrance Program. Ms. Williams is a junior pursuing a baccalaureate degree in Biochemistry, a founding member of the Neuroscience Club at CSULA ("The Brain Club") and co-organizer of both the 2003 and 2004 East L.A. Kids Judge! Neuroscience Fairs. Upon graduation, Adekunbi plans to attend medical school, and possibly earn a Masters in Public Health (MPH) as well.

**The WSU Neuroscience Club****Washington State University, Pullman**

The Neuroscience Club is a registered Washington State University (WSU) student organization that meets monthly during the semester. The purpose of the club is to promote awareness of neuroscience among the WSU student population and greater WSU/Pullman community; to encourage professional relations between students and neuroscience faculty; and to provide

students with opportunities for exposure to current research, potential career paths, and leading neuroscience practitioners.

The Neuroscience Club has been very successful in bringing in world-class speakers such as Peter Kalivas, Ph.D., Medical University of South Carolina, who spoke on the topic, "Addiction: Can we forget to relapse?" The Club has also become very active in the community through the creation of an interactive workshop for elementary school children. Club members work in teams, and with the primary school teachers, develop a curriculum that engages the children in learning about the brain. The topics covered include the sensory systems (auditory, visual, touch, taste, olfactory), the limbic system, neurotransmitters, and other interesting facts about the brain. These presentations are very visual and participatory, and are very well received by the children and their teachers.