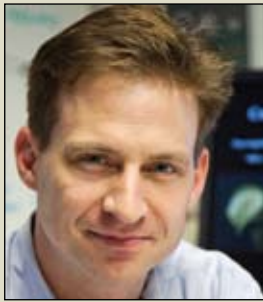


## PROFILE

James Rilling studies brains to find out why we do the things we do. **Page 2**



## FIRST PERSON

A medical resident describes his experience treating quake victims. **Page 7**



**PEOPLE:** Praise for Unsung Heroines **3**

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**SPECIAL "Women's History Month" INSERT**

## TRANSFORMING COMMUNITY PROJECT

# Creating agents of change



The Transforming Community Project planted 1,500 flags on the Quad during Founders Week to represent its many participants.

BRYAN MELTZ

By **MARGIE FISHMAN**

For the past five years, the Transforming Community Project (TCP) has encouraged participants to take comfort in the uncomfortable and open up about race.

The initiative has attracted a mix of faculty, staff, students and alumni in examining the issue of race at Emory through provocative dialogue and original research. A five-year effort funded by the Provost's Office, Emory's strategic plan and the Ford Foundation, TCP has lent a voice to a slave named Kitty and her owner, the first

chairman of Emory's Board of Trustees, along with the first Latino, Jewish and Asian students who contributed to the University's cultural mosaic.

Apart from recovering Emory's complicated history with race, the initiative encourages hundreds of participants to be active agents of change. Previous attendees have gone on to develop diversity programming on campus and in DeKalb public schools, conduct oral history interviews to examine an aspect of Emory's racial legacy, lead youth movements in Atlanta, or share insights

with their families around the dinner table.

"A lot of diversity training is a weekend or a workshop," says TCP Director Leslie Harris, associate professor of history and African American studies. "We wanted to set up something where people stayed in conversation over time."

TCP celebrated its fifth anniversary during Founders Week, and collaborated with the Emory Visual Arts Gallery to feature renowned portraitist Dawoud Bey's photographs of students across the nation, a cross-section of a generation.

Throughout the year, TCP

facilitates three tiers of groups to develop creative responses to issues of race on campus, from day-to-day interactions to long-term challenges to the institution's identity.

Community Dialogue Groups members commit to meeting eight times a semester with trained peer facilitators. They are encouraged to move from intimate conversations about race to constructive public action.

Gathering the Tools Groups engage in excavating Emory's

Please see TCP page 3

# \$2.4 million grant bolsters humanities

By **ELAINE JUSTICE**

Emory has received a grant of \$2.4 million from the Andrew W. Mellon Foundation to support the reassessment, reconfiguration and strengthening of the humanities across the University.

"This initiative comes at a key moment in Emory's history," says Earl Lewis, provost and executive vice president for

academic affairs.

"Given the increasingly interdisciplinary nature of inquiry and the development of new methodological tools, the University has been anticipating the need for strategic changes in hiring, departmental intellectual configuration, research, publication and scholarly collaborations.

"At Emory and throughout higher education, these changes

are accelerating and expected to accelerate further in the coming decade," says Lewis. "Hiring in the humanities will need to be done very differently in the future. Emory is anticipating hiring a new generation in the humanities who will have both deep training in the humanities and broad training in other areas."

As an example, Lewis cites the interdisciplinary

collaborations surrounding this month's opening of the Salman Rushdie archive, much of which was born digital material.

At the core of the program will be the recruitment of a cohort of junior and mid-career faculty across the humanities, says Claire Sterk, senior vice provost for academic affairs.

Please see GRANT page 4

# MyEmory launches for gifts from staff

BY MARIA LAMEIRAS

Emory employees are behind all of Emory University and Emory Healthcare's accomplishments. Now, in addition to contributing their time and talent, Emory employees and retirees are supporting MyEmory, the employee component of the University's fund-raising effort, Campaign Emory.

Emory University and Emory Healthcare employees and retirees have contributed more than \$41 million since Campaign Emory began in September 2005. MyEmory officially launched on Feb. 3.

The goal of MyEmory is to raise \$50 million by the end of 2012, and every employee and retiree is encouraged to make a gift, no matter the size. Gifts can support scholarships, patient care, the arts, research, and countless other priorities that will enable Emory to advance among the world's top universities.

Employees Ginger Cain and Sally Lehr have volunteered to co-chair MyEmory. In addition, each school and unit has a volunteer leader to guide its MyEmory efforts.

Cain, director of public programs for Emory Libraries, has worked at Emory in a variety of roles since graduating from Emory College in 1977. She earned her master's degree in library science from Emory in 1982.

Cain says employee support for Emory speaks volumes about the donors' belief in Emory's vision and mission.

"I want to invest my donor dollars in an institution that matters — an institution that emphasizes ethics and morals in the advancement of its goals. We should believe in where we work, and we should be willing to donate to something we believe in. It makes a tremendous statement for employees to donate to their employer, and the combined impact of our giving, whether we can give a lot or a little, should be a source of pride and inspiration to continue giving," Cain says.

Lehr, who earned her bachelor's and master's degrees in nursing at the Nell Hodgson Woodruff School of Nursing,

Please see MY EMORY page 4



## NEW ONLINE AT EMORY.EDU

[www.emory.edu/admission](http://www.emory.edu/admission)

The Office of Admission for Emory College of Arts and Sciences has launched a redesigned Web site. Features include enhanced content and interactive elements such as a forum to connect prospective students with current undergraduates.

Rich with photos and slideshows, the site organizes major areas of interest for prospective students and their parents into sections about academics, student life, Emory's campus and Atlanta, as well as admission and financial aid. The University-sanctioned web template promotes Emory's brand.

Dean of Admission Jean Jordan speaks of the importance of the Web for prospective students and their parents. "The Web is a central tool in researching a college. Whether students are just beginning their college search or looking for that final bit of information that will help them decide where to enroll, it is essential that we make sure our site is up-to-date, informative, easy to navigate, and fun!"

Emory admissions and communications colleagues will continuously enhance the site based on user feedback and analytics data.

Also see what's new at these redesigned sites:

Nell Hodgson Woodruff  
School of Nursing  
[www.nursing.emory.edu/](http://www.nursing.emory.edu/)

Rollins School of Public Health  
[www.sph.emory.edu/](http://www.sph.emory.edu/)

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## EMORY PROFILE James Rilling

# A brainy time traveller

## Anthropologist maps evolution of neural circuitry



BRYAN MELTZ

James Rilling is associate professor of anthropology.

By CAROL CLARK

James Rilling entered the University of Wisconsin in Madison as a pre-med major, following in the footsteps of three older brothers who are physicians. But an evolutionary biology class changed his plans.

"I thought the course was so powerful," says Rilling, associate professor of anthropology and the founder of Emory's Laboratory for Darwinian Neuroscience. "All societies have had a need to understand their origins. But they've made up myths to explain it, while evolutionary biology is trying to get at the true story."

Encouraged by his parents to pursue his passion, Rilling left the pre-med track to study the essence of human nature. "It's like the space program," he says. "We believe that we should be trying to understand the universe around us. I feel the same way about exploring the brain to learn who we are and how we got here."

The Milwaukee native came to Emory as a graduate student, drawn by the anthropology department's emphasis on human biology. "It's a definite strength," Rilling says, citing the department's access

to Yerkes National Primate Research Center, and the quality of the faculty.

For his dissertation, Rilling used functional magnetic resonance imaging (fMRI) to compare the neuroanatomy of humans and 10 other primate species at Yerkes. The 1998 study was the first in-depth look at whether the human brain is merely a scaled-up version of the brains of other primates.

"We found that human temporal lobes are larger than you would expect for a primate of our brain size," Rilling says. "We've done subsequent work that shows this larger size is likely due to the evolution of language pathways in humans."

The study also found that the human prefrontal cortex is more convoluted than expected. "One of the things that causes these cortical folds is when strongly connected areas of cortex get pulled together. That could be the neural basis for our ability to integrate lots of different types of information," Rilling says, explaining that the prefrontal cortex is involved in functions like planning, decision-making, emotional regulation and working memory.

Rilling's Laboratory for Darwinian Neuroscience is

a leader in the use of non-invasive imaging technology to compare the neuroanatomy of living primates.

Much previous work has focused on the gray matter of brains. Rilling's group is the only one in the world using diffusion tensor imaging (DTI) to compare the white matter connections of monkeys, humans and our closest relative, chimpanzees. White matter contains the fiber tracts that connect and "wire" the brain.

"We've discovered a difference in both the size and the trajectory of the fiber tract that runs between Wernicke's area in the left temporal lobe and Broca's area in the left inferior frontal cortex," Rilling says. Broca's area is involved in speech production and Wernicke's in understanding language. In humans, the pathway that connects the two areas is much more massive, and projects beyond Wernicke's area down to the ventral part of the temporal lobe.

"There's something special going on in the human brain with that pathway," Rilling says. "It's organized differently than in other primates."

The lab is also exploring the neural basis of human cognition and behavior. One

of its studies showed that reciprocation in humans is tied to activation of a reward pathway in the brain. "The magnitude of that reaction correlated to how likely the person was to cooperate in the future," Rilling says.

When you cooperate and someone else fails to reciprocate, activation is found in the anterior insula, a brain region known to track visceral responses of the body.

Why are some people more cooperative than others? How does the brain change with age? What promotes social bonding and attachment? These are just a few of the many research questions the lab is tackling.

"We want to start to understand individual human differences in social behavior, at both the genetic and neurological levels," Rilling says. He adds that he's particularly interested in understanding why some men are more nurturing as fathers than others.

"It's important to have someone besides the mother involved in a child's care. I think one way that we could improve childhood development is to have more committed dads," says Rilling, who is married to a psychiatrist and hopes to one day become a father.



# People

## Unsung Heroines' impact revealed

By STACEY JONES

For many years Gretchen Schulz has written the lyrical and laudatory citations for the honorees of the Center for Women at Emory's annual Unsung Heroines Awards ceremony. This year she will sit among the honored. A popular teacher, Schulz was praised by her nominator, Oxford Dean Emerita Dana Greene, for her ability to "connect her intellectual life to teaching and service. She knows about collaboration among women and has worked to support women and educate men to the power of joint effort. . . . In this regard she is a model."

This year too, Schulz will write the following stories of her fellow Unsung Heroines for the Feb. 18 awards ceremony.

Women's studies major Alisha Lalani serves as a residence adviser to a women-only floor in Dobbs Hall. Outside of Emory, Lalani works to prevent domestic violence, spending 10 hours a week researching current curricula on batterer intervention, some of which has been used by the Georgia Commission on Family Violence. This undergraduate honoree "has shown the ability to step out of her comfort zone and put all of her effort into helping communities overcome social barriers of all kinds," said her nominator and fellow student, Rachel George.

The amount of work doctoral student Tiffany Worboy has done on behalf of women inside and outside Emory is too numerous to list here. Yet with all she's accomplished, wrote Kirsten Rambo '03PhD, "Her efforts on behalf of women, from the large-scale and formal to the individual and informal, have been heartfelt and largely unrewarded, but they have resonated across the community." Soon to graduate, Worboy has done all this and more while holding down a job in Emory College and raising two sons. "What truly sets her apart is her spirit and a way



2010 Unsung Heroines

(above photo) Mel Bringle  
(group photo at right) Front row:  
(from left) Gretchen Schulz,  
Alisha Lalani  
Back row: Lisa Newbern,  
Angie Duprey, Tiffany Worboy



ANN BORDEN

she has, which is difficult to capture in words, of making all those around her feel valued and important," said Rambo.

If you're thinking "pink" goes with basketball, then you've got Angie Duprey, assistant athletic director, to thank for it. This year's staff honoree started an annual fundraiser for breast cancer research more than two years ago, held during the varsity women's basketball season, where athletes don pink uniforms and attendees receive pink t-shirts. Off court, Duprey established the Think Pink Ball, where the purchase of pink ties and scarves are requisite for entry. One hundred percent of the proceeds goes to Emory Winship Cancer Institute.

Lisa Newbern, this year's administrator honoree, was instrumental in establishing

Emory's lactation support program across campus, where mothers can go to express milk or feed their babies during work hours. "She takes great care to provide others with not only a private space but also with research and articles on the values of breastfeeding," wrote her nominators, who included Yerkes Director Stuart Zola. "Mothers at Yerkes know that Lisa is a valuable resource and often come to her for advice."

Although religious denominations are considered to be, in appearance and in reality, male-dominated hierarchies, Mary Louise Bringle '84G, stands out as a Christian feminist whose work has been to "reclaim the lost voices of women" in the church. A pastoral theologian and hymn writer, she is this

year's alumna honoree. Chair of the Humanities Division at Brevard College, Bringle challenges "students to think about their religious traditions in different ways, . . . [and] invigorates church history for students, making the tradition relevant to their lives in ways they never imagined," said her nominator, James Abbington, assistant professor at Candler.

### Awards ceremony

The 2010 Unsung Heroines will be honored Feb. 18 at Miller-Ward Alumni House at 5:30 p.m. The event is free and open to the community.

To RSVP, e-mail [roslyn.sledge@emory.edu](mailto:roslyn.sledge@emory.edu) or call 404-727-2031.

## ACCLAIM

**Kent Alexander** received special recognition by the Georgia General Assembly as a founder of Hands On Atlanta.

Alexander, Emory's senior vice president and general counsel, and the other founders were commended with a resolution in the state House of Representatives and invited to appear before that legislative body.



**Susan Bauer-Wu** has been inducted into the Fellowship class of the American Academy of Nursing. Bauer-Wu is a nurse scientist and Georgia Cancer Coalition Distinguished Cancer Scholar.

The associate professor at the Nell Hodgson Woodruff School of Nursing becomes one of AAN's 98 new top national nursing leaders.



**Susan Cruse** has been selected as a "2010 Most Powerful and Influential Woman of Georgia" by the National Diversity Council.

Cruse, senior vice president of development and alumni relations, will receive the award at the National Women's Conference on April 30.



**Jan Love** was awarded the Columbia College Medallion, the college's highest honor.

Love, dean of the Candler School of Theology, received the award, presented annually to individuals Columbia College recognizes for exceptional accomplishments, leadership and service.



**Jim Wagner** was named one of the "100 Most Influential Georgians: Georgia's Power List," by Georgia Trend magazine.

Wagner, Emory's president, was cited for his leadership of the University in a challenging economic environment, noting Emory was named one of the top universities to work for by both The Chronicle of Higher Education and The Scientist magazine.



**Betty Willis** was named one of the "100 Most Influential Georgians: Georgia's Notables," by Georgia Trend magazine.

Willis is Emory's senior associate vice president for governmental and community affairs.



## TCP: Excavating Emory's racial history

Continued from the cover

racial history, dating to the University's founding in 1836, through oral histories, archival research and multimedia presentations.

Summer faculty pedagogy seminars explore ways to incorporate Emory's strategic theme of "Creating Community, Engaging Society" into new or existing course material. TCP also works with the summer Scholarly Inquiry and Research Experience (SIRE) program to fund student projects.

Mary Catherine Johnson, assistant director of the Visual Arts Gallery and department, was instrumental in bringing Bey to campus for an artist

residency this spring. A former TCP participant and two-time facilitator, Johnson says the Community Dialogue groups "were some of the most powerful experiences I've had here at Emory."

Vice President for Campus Services Bob Hascall signed up for a TCP Community Dialogue last year and encouraged his department to participate. More than two dozen Campus Services employees were "introduced to one other in a different way," he says, from exploring color divisions within the African American community, to learning about Emory's early struggles with racial division.

"It was sharing some of who we are, and how we came to be

in our working environment," Hascall says.

TCP is working with the Provost's Office to secure funding for the next five years. Plans include developing an extracurricular curriculum on racial diversity for youth at Druid Hills High School and the local YMCA. In fall semester, TCP piloted a dialogue on the Middle East conflict and this spring is collaborating with the Center for Women to explore gender issues. A dialogue on sexuality is slated for next fall in coordination with the Office of Lesbian, Gay, Bisexual and Transgender Life.

When will the community be fully transformed?

"Progress is not a word I ever use," explains Harris, who

founded TCP with former Emory journalism professor Catherine Manegold. "We go back, we go forward and we go around. Communities are constantly transforming. The question is do we want to be swept along with that transformation or have an active role in guiding that transformation?"

### Web Extra

Financial Aid's Melissa Sacks chooses three hair-raising words from her experience with the Transforming Community Project's Palestinian/Israeli Conflict Dialogue group. Visit [www.emory.edu/EMORY\\_REPORT](http://www.emory.edu/EMORY_REPORT) for her First Person essay.



## TAKE NOTE

### Free diversity sessions offered

The National Coalition Building Institute is offering free workshops addressing a range of diversity issues.

An affiliate of Emory, the NCBI has programs on race, ethnicity, gender, socioeconomic class, age, sexual orientation and religion.

The Controversial Issues Process Workshop, offered Feb. 22 and April 23, provides skills needed to find common ground and create mutually acceptable strategies for handling difficult issues.

The Welcoming Diversity/Prejudice Reduction Workshop encourages participants to confront misinformation about themselves and others, to tell their own stories of discrimination to build understanding, and to learn skills for building bridges. The workshop is planned for March 12, May 19 and July 22.

The workshops are open to all Emory faculty, staff, students and alumni. Advanced registration is required.

### New technology courses at ECIT

A new series of teaching and technology sessions is being offered by Emory's Center for Interactive Teaching (ECIT).

Topics for the spring semester include digital storytelling; digital citizenship; "Presenting Content in a Digital World"; Blackboard; iTunes U and more.

ECIT is also offering a special session March 26 on podcasting and pedagogy, partnering with the Center For Faculty Development and Excellence. The session includes an overview of iTunes U at Emory and podcasting, including faculty examples, and a discussion on how this technology can be applied to pedagogy.

For more information: [ecit.emory.edu/schedule](http://ecit.emory.edu/schedule).

### IRB helpdesk answers questions

All study staff who have questions about clinical trials are invited to drop by, ask questions, or get help from the staff of the Institutional Review Board.

The Clinical Trials Office hosts the IRB Helpdesk@Winship on Fridays from 1-3 p.m. in Building B, suite 3101 in the Regulatory Affairs Office.

The office began the helpdesk about a month ago to increase communication between the IRB and Winship Cancer Institute, according to IRB's Sarah Marie Huban.

IRB staff provides one-on-one help with general questions or specific studies; no appointment needed.

The IRB has the responsibility for protecting the rights and welfare of people recruited to participate in clinical trials.

Contact Huban at 404-778-4302 for information.

## Campus relief efforts for Haiti quake victims continue

By ANN HARDIE

For Jihan Francois, the need to help earthquake victims in Haiti is intensely personal. Her 8-year-old cousin died from internal injuries sustained after the Jan. 12 quake toppled the little girl's elementary school.

When Francois, a career adviser for MBA students, put out the "help wanted" call to faculty and students in the Goizueta Business School, they responded immediately with 20 bags of blankets and other necessities and \$1,200 in cash. The students are continuing the fundraising effort. "My family is sad but we are lucky because a lot of families lost more people — we are looking at it like that," Francois says. "And the community here and my friends and family have been very supportive."

The Emory community continues to seek out ways to ease the suffering resulting from the quake that killed tens of thousands of Haitians and injured many more. The efforts have come in many forms, from teach-ins to fundraisers to prayer vigils to legal advice to shoe drives.

When the University requested French or Creole speakers willing to serve as interpreters for Haitians evacuated to Atlanta, more than 50 people signed up within two hours. Within two days, more than 300 had. The first flights carrying earthquake victims for treatment in Atlanta area hospitals began arriving last week.

The law school is coordinating with local attorneys to assist Haitians already in the United States who want to apply for Temporary Protected Status. The Emory College Staff Consortium is collecting loose change for Partners in Health until Feb. 12. For a list of current efforts and volunteer opportunities, visit [www.emory.edu/home/CEPAR/haiti/response-activities.html](http://www.emory.edu/home/CEPAR/haiti/response-activities.html).

In a single day, the Health Organization for Latin America (HOLA) raised \$1,164 and collected 539 pounds of medical supplies. "Students mobilized with enthusiasm and humility and lent of their time graciously. The spirit to do something for the Haitian community was contagious," says Sulma Jessica Herrera of HOLA, a newly created student organization in the Rollins School



MARK FENIG

Emory continues to support Haitian relief efforts.

of Public Health.

Jean Cadet, a native of Haiti working toward his master's in public health, traveled to Port-au-Prince with the money, which he said helped feed about 200 homeless families living in a church parking lot near the devastated Presidential Palace. "If you compare what the other organizations on the ground are doing, what HOLA has done may seem like a little thing. But for the families that benefited, it presents a huge help," says Cadet, who returned to Emory Jan. 29. "The need in Haiti is just so great."

Across the campus, other relief efforts are in the planning stage. Emory's Office of Critical Event Preparedness and Response (CEPAR) is coordinating the University's relief efforts and asks that groups send finalized plans regarding events and donations to [emergency@emory.edu](mailto:emergency@emory.edu).

"The recovery period for Haiti is going to be measured in years, if not decades. I think you are going to see many at Emory remain engaged in the recovery effort," says Alexander Isakov, CEPAR's executive director. "That is consistent with the makeup of our community, to lend a helping hand to those in need."

## GRANT: Reshaping approach to humanistic inquiry

Continued from the cover

These new faculty will form the core of a "Society of Fellows" in the humanities who will work to help guide how humanities departments and humanities faculty can export principles of humanistic inquiry across the University. They also will seek opportunities for transformation of the humanities themselves at Emory.

Graduate students also will be included as Student Fellows in the program, their involvement serving as a bridge to the next generation of faculty.

"Emory is willing to take a risk and step away from the traditional way we think about humanistic inquiry," says Sterk. While science research at other universities has begun to move toward research in the humanities, "one of the things that's unique about Emory's approach is that we're proposing bringing the humanities into science research, including the health sciences."

The program will start small, bringing in a cohort of two to four people and building from there. Recruitment, says Sterk, will start immediately.

Lewis says he sees the program building on three broad areas: digital scholarship, mind/brain neuroscience and humanities in the age of the human genome. "It's becoming impossible to talk about what it means to be human and recognizing DNA analysis without inserting humanities scholars into the conversation with life scientists," he says.

Integral to these initiatives, says Lewis, will be Emory University Libraries, "which becomes a setting for these conversations and a partner in helping create this intellectual community," along with the Fox Center for Humanistic Inquiry.

Faculty already involved in the program expect its reach to be felt across the University, says Sterk, especially in Emory and Oxford colleges and at Candler School of Theology.

Sterk says refocusing the humanities could have multiple impacts on higher education and help define the future role of the liberal arts at a research university. "Emory will have wonderful opportunities to show how research scholarship in the humanities really contributes to the common good," she says.

## MyEmory: 'A powerful way to make a difference'

Continued from the cover

is now a clinical associate professor of nursing at the school.

"I believe that being a part of Emory is a privilege, and it would be hard to find more wonderful colleagues and students anywhere. I give to organizations I value, and Emory is at the top of my list. I work here, my heart is here, and my money goes where my heart is," Lehr says.

MyEmory offers the University's employees and retirees a powerful way to make a difference in the world by helping Emory reach out to more communities and take on a growing number of challenges, says President Jim Wagner.

Wagner and his cabinet members have provided gifts and pledges over the course of the campaign to priorities across the University. The president and his cabinet already have contributed \$500,000, primarily supporting student aid.

"All of us at Emory have been blessed in countless ways, so it's appropriate for our community to have a culture of philanthropy — a habit of giving to those areas that appeal to our compassion and generosity," Wagner says. "It is very gratifying to see University leaders demonstrate their commitment by giving back to Emory."

For more information on MyEmory, please visit [emory.edu/myemory](http://emory.edu/myemory).

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# Campus

5

**REPORT FROM:** Emory Alumni Association

## Postcards from peers show how we stack up

There wasn't a speck of free table space to be seen in the copy room on the first floor of the Miller-Ward Alumni House. Every inch of flat surface was taken by leftover publications from the Association of Private College and University Alumni Directors (PCUAD) Winter Conference, hosted by the Emory Alumni Association (EAA), Jan. 14-17.

Emory is one of 39 schools from around the country represented in PCUAD. One of the neat things about PCUAD is that while we all do the same job — alumni relations — we're really not competitors because there is very little overlap in our audiences. If you are an Emory alumnus, you're ours, so to speak. If you don't like the EAA, you can't just go to the Tufts Alumni Association and join them.

Therefore, since we're not trying to

poach someone else's audience, member schools are very open about sharing successes — and struggles. We have a lot to learn from each other. From a professional perspective, that's great, and the plethora of sample materials is simply fun to explore. As soon as I could, I took one piece from each pile and bagged them up for future research and perusal.

The future is now.

For the uses of this column, I'm going to reach into my swag bag o'goodies (the bag, courtesy of Wake Forest) and pull out two random samples to compare to EAA pieces. It's benchmarking in front of God and everybody. Here goes ...

### Sample No. 1

**Them:** Johns Hopkins, Alumni Weekend mailed postcard invitation. "Studies have shown that the fun starts here"

reads the cover. Above that tagline are four pictures of alumni looking like they are having fun. One is dressed in the JHU's blue jay mascot uniform.

**Us:** The EAA sends out Homecoming Weekend mailers, too. They have smiley, happy people, but also include an image of campus in the fall. We like to give alumni something to come home to. And we have pictures of two mascots — Swoop and Dooley (I know that Dooley is technically a spirit, so please, no e-mails.)

### Sample No. 2

**Them:** Loyola University Chicago, "Loyola's Rambler Clubs Are Going Green."

Yes, it's a sustainability message printed on a postcard. But the point of it, though, is to invite Rambler Club

members (supporters of Loyola's sports teams) to register online, because all future event invitations will be coming via e-mail. So that's good. Bonus points for the logo appearing in green (school colors are maroon and gold) and for the message being printed on 100 percent post-consumer fiber paper.

**Us:** The vast majority of the EAA's event invitations already come by e-mail, so we wouldn't necessarily send something out like this. Although the message is a relevant one. By the way, if any of you would like to update your own information and receive e-mail communications from the EAA, please visit the EAA Web site.

Message received. We hope.

*Eric Rangus is director of communications for the Emory Alumni Association.*

## Call to prayer broadcast during Islamic Awareness Month

By **TANIA DOWDY**

If you were on campus last Friday, you may have heard the adhan, or the Islamic call to prayer. Every Friday during February at 1:45 p.m., the adhan will play from the Robinson Clock Tower at Cox Hall, summoning Islamic followers to prayer.

Typically played during the Muslim holy month of Ramadan, the Emory Muslim Student Association (MSA) requested the adhan be broadcast

during Islamic Awareness Month, a time used to educate, inform and dispel any misconceptions that may exist about the Islamic faith.

The adhan precedes the Jumma, a congregational prayer, that will take place in Cannon Chapel beginning at 1:55 p.m.

MSA Vice President Shahmeer Halepota says that it is important to pray together, as a congregation, and equates the Friday Jumma prayer to Sunday Mass.

"We consider Friday to be the holiest and happiest day of the week," says Halepota, a junior political science major.

MSA encourages students, faculty, staff, and community members of all faiths to attend events throughout Islamic Awareness Month.

"MSA has always sought to increase awareness about Islam," says Halepota. "Anyone who has questions about Islam is more than welcome to come and we hope that people will not only bring themselves, but their families and friends as well."

### More events

Imam Zaid Shakir will speak at Glenn Memorial Auditorium on Feb. 18 at 7 p.m.

On Feb. 28, MSA will host its 7th annual Art Gala at the Fox Theatre. Tickets are \$10, or \$15 with a portion of the proceeds going to help with the University-wide Haiti relief effort.

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## Ancient remains put teeth into Barker hypothesis

By CAROL CLARK

Ancient human teeth are telling secrets that may relate to modern-day health: Some stressful events that occurred early in development are linked to shorter life spans.

"Prehistoric remains are providing strong, physical evidence that people who acquired tooth enamel defects while in the womb or early childhood tended to die earlier, even if they survived to adulthood," says anthropologist George Armelagos.

Armelagos led a systematic review of defects in teeth enamel and early mortality recently published in *Evolutionary Anthropology*. The paper is the first summary of prehistoric evidence for the Barker hypothesis — the idea that many adult diseases originate during fetal development and early childhood.

"Teeth are like a snapshot into the past," Armelagos says. "Since the chronology of enamel development is well known, it's possible to determine the age at which a physiological disruption occurred. The evidence is there, and it's indisputable."

The Barker hypothesis is named after epidemiologist David Barker, who during the 1980s began studying links between early infant health and later adult health. The theory, also known as the Developmental Origins of Health and Disease Hypothesis, has expanded into wide acceptance.



George Armelagos, in photo at left, shows a student how to interpret messages encoded in ancient skeletons. The photo at right shows ancient teeth from a site in Peru with enamel defects linked to shorter life spans.



BRYAN MELTZ AND VALERIE ANDRUSHKO

As one of the founders of the field of bioarcheology, Armelagos studies skeletal remains to understand how diet and disease affected populations. Tooth enamel can give a particularly telling portrait of physiological events, since the enamel is secreted in a regular, ring-like fashion, starting from the second trimester of fetal development. Disruptions in the formation of the enamel, which can be caused by disease, poor diet or psychological stress, show up as grooves on the tooth surface.

Armelagos and other

bioarcheologists have noted the connection between dental enamel and early mortality for years. For the *Evolutionary Biology* paper, Armelagos led a review of the evidence from eight published studies, applying the lens of the Barker hypothesis to remains dating back as far as 1 million years.

One study of a group of Australopithecines from the South African Pleistocene showed a nearly 12-year decrease in mean life expectancy associated with early enamel defects. In another striking example, remains from Dickson

Mounds, Ill., showed that individuals with teeth marked by early life stress lived 15.4 years less than those without the defects.

"During prehistory, the stresses of infectious disease, poor nutrition and psychological trauma were likely extreme. The teeth show the impact," Armelagos says.

Until now, teeth have not been analyzed using the Barker hypothesis, which has mainly been supported by a correlation between birth weight in modern-day, high-income populations and ailments like diabetes and

heart disease.

"The prehistoric data suggests that this type of dental evidence could be applied in modern populations, to give new insights into the scope of the Barker hypothesis," Armelagos says. "Bioarcheology is yielding lessons that are still relevant today in the many parts of the world in which infectious diseases and under-nutrition are major killers."

For more news of the natural and social sciences, visit: [www.emory.edu/esciencecommons](http://www.emory.edu/esciencecommons).

## Brain protein work indicates new protection drugs

By QUINN EASTMAN

Pathologist Kechang Ye has made a series of discoveries recently, arising from his investigations of substances that can mimic the growth factor BDNF (brain-derived neurotrophic factor).

BDNF is a protein produced by the brain that pushes neurons to withstand stress and make new connections.

"BDNF has been studied extensively for its ability to protect neurons vulnerable to degeneration in several diseases,

such as ALS, Parkinson's and Alzheimer's disease," Ye says. "The trouble with BDNF is one of delivery. It's a protein, so it can't cross the blood-brain barrier and degrades quickly."

Working with Ye, postdoctoral fellow Sung-Wuk Jang identified a compound called 7,8-dihydroxyflavone that can duplicate BDNF's effects on neurons and can protect them against damage in animal models of seizure, stroke and Parkinson's disease. The compound's selective effects suggest that it could be the

founder of a new class of brain-protecting drugs.

7,8-dihydroxyflavone is a member of a family of antioxidant compounds naturally found in foods ranging from cherries to soybeans. Ye says his laboratory has already identified compounds that are several times more active. The next step is more animal studies to choose compounds likely to have the best drug profiles: stable and non-toxic.

"It is likely that many people take in small amounts of 7,8-dihydroxyflavone in their

diets," he says. "But drinking green tea or eating apples doesn't give you enough for a sustained effect."

Along the way to finding 7,8-dihydroxyflavone, Jang and Ye have also identified other molecules, both natural and artificial, which can mimic BDNF. For example, the tricyclic antidepressant amitriptyline activates the same signaling molecules as BDNF in neurons. This provides an alternative mechanism for how some antidepressants may exert their effects.

A description of 7,8-dihydroxyflavone's properties was published online Jan. 25 by the *Proceedings of the National Academy of Sciences* (PNAS).

An article from neuroscientist Kerry Ressler's laboratory describing how 7,8-dihydroxyflavone and genetic manipulation of BDNF can be used to probe fear memory formation was also published in PNAS on Jan. 25. Ye's studies on amitriptyline were published in the June 2009 issue of the journal *Chemistry & Biology*.



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# Forum

## FIRST PERSON

### A doctor's aftershocks on return from Haiti



Emory emergency medicine resident Mark Fenig (pictured second from left) travelled with a team of doctors and nurses to help with the Haitian relief effort. His patients included children, some of whom were orphaned during the quake.

Mark Fenig is a resident in Emory School of Medicine's Department of Emergency Medicine.

*In the aftermath of the Haiti earthquake, Emory emergency medicine resident Mark Fenig joined a relief effort out of Baton Rouge and spent Jan. 25–28 at a hospital compound in Jimani, a city in the Dominican Republic just over the Haitian border. He shares an account of his time there:*

The compound was surrounded by bucolic, rolling green hills and a stunning lake. Hundreds of Haitians, some unable to walk due to their injuries, traveled or were carried illegally across the border into our hospital. Most had sustained some sort of orthopedic injury and infectious complications from amputations, inserted pins and crush injuries. Patients slept on bare mattresses in hallways and in the open air. The reality was, all of the buildings — the hospital, a chapel and an orphanage — were just empty, large structures. Dozens of volunteer medical teams from all over the United States arrived

carrying supplies. The hospital had six functioning “operating rooms” and the chapel and orphanage were converted to inpatient wards. But there were no ventilators so surgeries were performed under regional or spinal anesthesia. There weren't monitors available so anesthesiologists had to literally keep their finger on the patients' pulse. There was no X-ray machine. That meant over 200 people with broken limbs were basically in a holding pattern because they could not receive the treatment they needed, which in most cases, consisted of placing rods inside their broken bones. Instead, their wounds were stabilized with external fixation devices, pins drilled into bones and held together with metal rods outside the body. It was discouraging to see patients lying about with tons of tinkertoys looking hardware sticking out of their arms and legs. One of my patients was a very sweet 6-year-old who had been trapped under a collapsed house for two days. Her mother and sibling had been crushed to death. The little girl had



MARK FENIG

nothing more than a bruise on her leg and I discharged her with some ibuprofen. I found it ironic that she might have been among the luckiest patients I had seen. Post-traumatic stress disorder was something the entire cohort of patients shared. There were two aftershocks, one before I got there that resulted in a small tent community of patients who refused to return to an indoor structure. I hardly felt anything during the second aftershock but before I knew it, those who could walk ran or hobbled outside and fell to the grass. Those who could not walk were dragged outside by family members. I will never forget their eyes. It was my first introduction to true terror. The Haitian patients were the bravest and most stoic group of people I had ever met. They were also the most grateful and helpful. Family members volunteered to help translate Creole or physically transport patients. They would constantly clean up the grounds to keep the compound as germ-free as possible. They would divide their time between their

relatives and patients with no family. There was a small cluster of three orphaned children in my inpatient ward. One had his arm amputated just below the shoulder and the other two had bad fractures with extensive hardware sticking out of their legs. They were surrounded by donated stuffed animals. The first thing I noticed was how they never made noise, cried, or asked for anything. I became increasingly aware of how unnatural this picture looked. By the time I left I realized that the stuffed animals were these children's new family. More than anything, I wish I was back there. At times, when I'm not distracted, I find myself thinking about those stuffed animals. Or about what a 6-year-old in a foreign country without a home, a family or an arm has to live for. These thoughts haunt the volunteers who are parents even more. Kathy, a nurse and mother of two, gave all her cash away to a child before leaving. I will never forget what I learned over there and I'm still sorting out how to do that in a healthy way. It's a work in progress.

## SOUNDBITES

### Ambassador on women's progress

“I believe that today women have the opportunity and the responsibility not only to raise our own voices to advance equality and progress but to empower others to raise theirs,” said Melanne Verveer, Ambassador-at-Large for Global Women's Issues, saying her position created by President Obama “reflects the importance of women's progress around the world through our own foreign policy.” In a Feb. 3 speech as part of The Halle Institute's Turkish Lecture Series, Verveer noted, “Empowering women is one of the most effective and positive forces for reshaping our globe.” Quoting the Father of Modern Turkey, Ataturk: “A society, a nation, he said, consists of men and women. How is it possible to elevate one part of society while neglecting the other half and expecting the whole to progress?”

—Leslie King

### King Week keynote gives definitions

What would Martin Luther King Jr. think of the post-racial attitude in today's society? That was the question Kimberle Crenshaw used to preface her King Week keynote address. Crenshaw, a Columbia and UCLA law professor, defined post-racialism as a means to ignore racial injustice. Post-racialism is a way “to silence those of us who do think about race.” She treated the audience to a simulated conversation between King and “Barry King,” the invented offspring of CNN's Larry King. Is America really post-racial? The great civil rights leader's imagined response: “I'm having difficulty understanding how far we've come. And the language of gradualism is mistaken for the language of arrival.”

—Tania Dowdy

### Founders Dinner toasts vision

The annual Founders Dinner on Feb. 1 toasted the University's history. “This community is named after John Emory because of his vision of an American educational experience that would mold character as well as mind,” said keynote speaker Christopher Richardson '03C. The former Student Government Association president shared his own extraordinary story, from surviving cancer to creating an outreach program to help low-income cancer patients obtain legal services. Richardson spoke of other Emory alums and students working to make an impact around the world. “In these stories that make our community, I see we are all an embodiment of what John Emory envisioned,” he said.

—Kim Urquhart

## ‘Crossroads’ series looks at development

By KIM URQUHART

The Institute for Developing Nations' “Development at a Crossroads” series is designed to get people talking. A robust line-up of lectures and related academic seminars this spring will engage broad issues, debates, and points of contention located at the intersection of development theory and practice. The field is at a crossroads in many senses of the word, says IDN Director Sita Ranchod-Nilsson, with an understanding of what promotes development further complicated by the

global recession. “In many ways development studies and development practice have become fragmented, as a result of disciplinary boundaries and technical specialization,” she says. “This series addresses that fragmentation by asking broad questions that will engage a wide range of participants.” “Development at a Crossroads” events are expected to draw Emory's community of scholars as well as development practitioners from metro Atlanta. “We've really tried to select speakers who are well known and who are addressing topics of interest to a broad section of

scholars here,” Ranchod-Nilsson says. The series kicks off Feb. 15 with an anthropological critique of global poverty by Akhil Gupta, a UCLA anthropologist, at 4 p.m. in the anthropology seminar room. Coming March 1 is activist and social entrepreneur Zainab Salbi, founder and CEO of Women for Women International. Salbi is expected to speak on her organization's work with women in war-torn regions, at 4 p.m. in Tull Auditorium. In April, IDN hopes to bring University of Oregon anthropologist Lamia Karim to

campus to talk about women and microfinance. The series concludes with Stanford anthropologist James Ferguson on April 19 at 4 p.m. in the Center for Ethics, speaking on “Anthropology and the Crisis: Reflections on Distribution and Labor.” The IDN has teamed up with a wide range of campus partners to bring each speaker to campus. Salbi's talk, for instance, is also the keynote address for Women's History Month and part of the Luminaries series. For details, visit [www.idn.emory.edu](http://www.idn.emory.edu).



## ADVANCE NOTICE

### Vatican astronomer reflects on the stars

Brother Guy Consolmagno, astronomer at the Vatican, visits campus Monday, Feb. 15, to speak on "Truth in Science, Galileo to Today: Reflections of a Vatican Astronomer."

The event, free and open to the public, will be at 7 p.m. in Room 252 of the Candler School of Theology.

The talk by Consolmagno, whose most recent book "The Heavens Proclaim: Astronomy and the Vatican" was published last year, is co-sponsored by the Aquinas Center, Emory Science and Society Program, the theology school and the Center for Ethics.

### Argentine-Jewish legacy to be parsed

The Tam Institute of Jewish Studies presents "The Legacy of Jacobo Timerman: Jewish-Argentine, Public Intellectual, Survivor of Disappearance and Torture" at a symposium Feb. 11 at 7 p.m. in the Center for Ethics.

The journalist's criticism of Argentina's military dictatorship in the 1970s subjected him to arrest. Timerman also criticized Israel's invasion of Lebanon during that time. On the 10th anniversary of his death, scholars are reappraising his legacy as a symbol of Latin American-Jewish identity, crusader for human rights and critic of Israel.

Other co-sponsors include the Latin American and Caribbean Studies Program and the departments of political science, history, Spanish and Portuguese.

The symposium is free and open to the public.

### Slow Food chief to lead discussion

"Food, Pleasure and the Family Meal" will be the subject of a faculty panel and discussion session Monday, Feb. 22, beginning at 4 p.m. in 102 Center for Ethics.

Carlo Petrini, author of "Terra Madre: Forging a New Global Network of Sustainable Food" and founder and international president of the Slow Food movement, will speak. Also on the program are Joel Kimmons from the CDC and Marshall Duke, psychology professor.

The free event is co-sponsored by the Office of Sustainability Initiatives and the University Food Service Administration.

### Address reviews state of WHSC

Find out how Emory's academic health science and service arm is making progress toward its goals at the State of Woodruff Health Sciences Center Address. CEO Fred Sanfilippo will present the annual address on Feb. 22 at 4:30 p.m. in WHSCAB Auditorium, followed by a reception.

RSVP to [evphafeedback@emory.edu](mailto:evphafeedback@emory.edu).

## THIS WEEK'S HIGHLIGHTS

### TUESDAY, Feb. 9

**"The Sleep of Life: The Molecular Pharmacology of General Anesthesia."** Andrew Jenkins, anesthesiology, presenting. Noon. Rollins Research Center. Free. [orivera@pharm.emory.edu](mailto:orivera@pharm.emory.edu).

**"The Volatile Relations Between the U.S. and Andean Countries."** Noon. Jennifer McCoy, Carter Center, presenting. 162 Center for Ethics. Free. [meward@emory.edu](mailto:meward@emory.edu).

**"Biblical Archaeology in Jordan."** Randy Younker, Andrews University, presenting. 7 p.m. Reception Hall, Carlos Museum. Free. 404-727-4282.

**Ed Nicholson, trombone.** 8 p.m. Emerson Hall, Schwartz Center. Free. 404-727-5050.

### WEDNESDAY, Feb. 10

**"Have You Got Good Religion? A Womanist Query of Spiritual But Not Religious."** Donna Allen, Lancaster Theological Seminary, presenting. 11 a.m. 252 Candler School of Theology. Free. 404-727-4180.

### THURSDAY, Feb. 11

**2010 THROWER SYMPOSIUM: "The New New Deal: From De-Regulation to Re-Regulation."** 7:30 a.m.–5:30 p.m. Tull Auditorium. Free. [www.law.emory.edu/thrower10](http://www.law.emory.edu/thrower10).

**"Pseudomonas Aeruginosa Regulation of CFTR Trafficking in Airway Epithelial Cells."** Jennifer Bomberger, Dartmouth College, presenting. 9 a.m. 600 Whitehead Building. Free. [kathy.cobb@emory.edu](mailto:kathy.cobb@emory.edu).

**PANEL DISCUSSION: Mobile Video: New Horizons, New Possibilities.** 6 p.m. Goizueta Business School Auditorium. Free. [patricia.chebat@bus.emory.edu](mailto:patricia.chebat@bus.emory.edu).

### FRIDAY, Feb. 12

**CHOPIN-SCHUMANN CELEBRATION SERIES: Valentine's Day Love Songs** Noon. Reception Hall, Carlos Museum. Free. 404-727-5050.

**FILM: "Pink Floyd-The Wall."** 7:30 p.m. 205 White Hall. Free. [czapf@emory.edu](mailto:czapf@emory.edu).

### SATURDAY, Feb. 13

**Emory Sacred Harp Singing.** 9 a.m.–3 p.m. Cannon Chapel. Free. [bildad12@hotmail.com](mailto:bildad12@hotmail.com).

### SUNDAY, Feb. 14

**Chinese Valentine's Day New Year's Celebration.** 4 p.m. Reception Hall, Carlos Museum. \$4 (4 free tickets, members family-level and above). 404-727-5050.

To see all campus events, visit the online Emory Events Calendar at [www.emory.edu/home/events](http://www.emory.edu/home/events).

## Frankenstein's monster comes to life on Theater Emory stage

By HUNTER HANGER

"It's alive! It's alive!" The iconic words from the original 1931 film thunder through the Schwartz Center Theater Lab. Adapted and directed by Jon Ludwig of the world-renowned Center for Puppetry Arts in Atlanta, "Frankenstein" at Theater Emory is an adult puppet play based on the classic story by Mary Shelley.

"I envision presenting the story as a ceremony/danse/ritual in the 'Church of Frankenstein,'" explains Ludwig. "Even the audience is expected to participate in the ceremony; they will scrub and be put into operating gowns before they are allowed in the space — which will be like an 1800s operating theater/temple/graveyard."

Originally commissioned and produced for the 1996 Olympic Arts Festival, "Frankenstein" was heralded as a highlight and received national and international acclaim. Ludwig wanted to create Victor Frankenstein's world, melding the style of the romantic Gothic novel with the dynamics of religion.

Using masks, puppets and object manipulation, the actor and puppeteer chorus will create the characters. But the production is not presented solely as voodoo for the stage — Ludwig instead created his own ritual using "the cautionary, pseudo-scientific story of Frankenstein as the sermon." Music will play a key role in this production, with piano incorporated with the drum as an element of the romantic Gothic period.

In Theater Emory's 25-plus year history this is only the second puppet production that has been staged. Artistic Director John Ammerman invited Ludwig and other professional puppeteers and musicians to Theater Emory to stage "Frankenstein" to provide the student cast members with the unique opportunity to work with



DAVID ZEIGER

Theater Emory presents "Frankenstein" in puppets.

master puppeteers and to learn the puppetry arts skills required to bring this story — and monster — to life.

Of this production, Ludwig muses, "I do not seek to illustrate Shelley's text but to present the story in a dreamlike, phantasmagorical, visual-based world that astonishes, transforms and challenges the participants."

The performances are Feb. 18-27 at 7 p.m. in the Schwartz Center's Theater Lab. Tickets (\$18; \$14 Emory faculty, staff, and discount category members; \$6 Emory students or free with Passport Coupon) are available from the Arts at Emory box office at 404-727-5050 or [www.arts.emory.edu](http://www.arts.emory.edu).

## QUESTIONS FOR ... Gary Motley

## Merging music and technology

By Jessica Moore

Since releasing his latest album "Renaissance: a Tribute to Oscar Peterson," Director of Jazz Studies Gary Motley has been developing the Emory jazz program, integrating technology in the classroom and in his music and getting ready for the upcoming Jazz Festival.

**Emory Report: What can the audience expect at the Feb. 12 performance featuring John Clayton?**

**Gary Motley:** John and I will be joined by drummer Herlin Riley, one of the most tasteful and hard-swinging drummers on the scene today. I think it's going to be a wonderful evening of classic trio music with two gentlemen whom I consider masters of their craft.

**ER: How did you use technology to record your latest album?**

**Motley:** After hearing some of the recent advances in audio technology, I wanted to see if I could create a virtual trio that didn't sound artificial. I had a very clear idea of how the instruments were supposed to sound and I tried to be careful to create music that was both believable and possible. My goal was to show that we can embrace the future without abandoning the past. I would not have been able to complete this project if I had not spent countless hours studying the music of these masters.

**ER: What on-campus resources have you used to learn more about integrating technology into the classroom?**

**Motley:** ECIT (Emory's Center for Interactive Teaching) has been a tremendous help in the development of our jazz 'smart' classroom. They have provided instruction on topics ranging from podcasting to audio and video editing and streaming. For ex-



Gary Motley

SPECIAL

ample, we are able to use streaming so that parents and family who may be unable to travel to Emory can view our concerts from virtually anywhere. We also use Blackboard and conferencing to provide supplemental materials and resources to our students. We recently launched Emory Jazz Studies on Exclusively Emory on iTunes U. This enables us to provide our jazz lectures, artist interviews and practice resources to students so that they can learn on the go.

Read the full interview at [www.arts.emory.edu/about/artist.html](http://www.arts.emory.edu/about/artist.html).

### Emory Annual Jazz Festival

Emory Jazz Festival features John Clayton with Gary Motley and Herlin Riley (Feb. 12, 8 p.m.). Tickets (\$15; \$10 discount category members) available at 404-727-5050 or [www.arts.emory.edu](http://www.arts.emory.edu).