

NDWorks

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News for Notre Dame faculty and staff and their families

INTRODUCING NEW FACULTY – SEE PAGES 6 - 10

Controlling gene expression to halt cancer growth

Research may lead for therapies for rare cancer

LAURA GOVIN,
FOR THE OFFICE OF RESEARCH

NUT midline carcinoma (NMC) is a cancer without a cure, and one that affects all age groups. NMC is a rapid-growth disease with an average survival time of 4.5 months after diagnosis, making the development of clinical trials for potential therapies or cures for this cancer difficult.



MATT CASHORE

Wiest

But difficult doesn't mean impossible, and **Olaf Wiest**, professor of chemistry and biochemistry, is one of a group of collaborators who are studying the effects of a specific molecule on the trigger that controls the growth of this form of cancer.

Most people are familiar with genetics and the role they play in our height, hair color and even predisposition to various diseases. "But there is this whole other world called epigenetics that controls which genes are expressed and which aren't," says Wiest.

This epigenetic world is made up of three classes of proteins: writers, erasers and readers, collectively the "instruction manual" that tells a gene when to activate and when to cease activation. Writers will create the instruction for the gene while erasers will remove instructions. Readers control the group and issue the start and stop commands for genes to use their instructions.

"The reason NMC is so aggressive is because these cancer cells divide very fast," says Wiest. This rapid-growth is caused by the protein BRD4, an epigenetic reader that interacts with another protein called histones. Their interaction changes

University commemorates 10th anniversary of 9/11

ASSOCIATED PRESS



BARBARA JOHNSTON



BARBARA JOHNSTON

Above, students hold candles before the candlelight procession to the Grotto. Following the Mass, participants gathered at the Grotto for prayer.

The campus community observed the 10th anniversary of the Sept. 11 attacks with a Mass of remembrance on the Hesburgh Library Mall, with President Rev. John I. Jenkins, C.S.C., presiding. View a slideshow of images from the event at photos.nd.edu.

the instructions for the gene and keeps the growth trigger permanently activated.

"The solution is that you have to block that protein," says Wiest. "That is very difficult in protein-to-protein interactions, because the binding between them is not very strong. Normally when you're talking to somebody in chemistry and say you're going to target a protein-to-protein interaction, they think you're nuts. Of course the way to prove

them wrong is to go on and do it," he says.

There is already a vast amount of information on writer proteins, and a lot of interest in eraser proteins in the research community, because there are two FDA-approved drugs that control erasers. Research into epigenetic readers, however, is relatively new.

Wiest says it wasn't such a big step for him and his 21 colleagues to move from erasers to readers in their

studies. Their recent focus has been on a small molecule called JQ1 that tricks the NUT midline carcinoma cancer cells by disrupting the protein-to-protein interaction. It not only halts the constant growth command but it also makes the cancer cells "forget" their instructions and begin to resemble normal cells.

Wiest's research showed that the protein is less flexible in the presence of JQ1, allowing it to overcome the weak bindings. Animal studies

produced very encouraging results. Laboratory mice transplanted with NMC cells from patients and given JQ1 lived; those that were not given JQ1 died.

Wiest's hope is that through continued studies on the effectiveness of JQ1, an effective and non-invasive therapy can be found for NMC and other aggressive cancers.

Inside »



ND LIGHTS

Page 4



United Way

Page 5

NEW FACULTY
2011

Page 6



Irish Health

Page 12

NEWS BRIEFS

TEAMS BIKE 46,700 MILES IN BIKE-TO-WORK COMPETITION

A single-member team, “The Burke,” composed of Burke Golf Course Assistant Superintendent **Donald Anglin**, topped the 2011 bike-to-work competition organized by the College of Science Dean’s Office and the Office of Sustainability.

The 165 participants logged 46,700 miles between June 1 and Aug. 15.

The competition, organized by Katerina Lichtenwalter, senior administrative assistant in the College of Science dean’s office with support from Erin Hafner and Meredith Rowland in the Office of Sustainability, drew faculty, staff, postdoctoral researchers and graduate students from across the campus.

Competitors came from the College of Engineering, College of Science, Office of Sustainability, Food Services, Engineering and Science Computing, Burke Golf Course, Athletics, Center for Social Concerns, Economics, Kellogg Institute, Kroc Institute, Student Affairs, Law Library, Physical Education, Alliance for Catholic Education, University Relations, Political Science, and Facilities.

Winner Anglin bikes to work six miles each way, sometimes several times a day, to water the golf course. He rides from March until temperatures reach below 20 degrees. During the competition, he logged 1,424 miles on his tandem bicycle with a rear seat modified to carry his grandchildren.

Organizers expect a larger competition next summer with more events, prizes and participants. The competition gives credit for any biking miles, including shopping, errands, leisure and exercise, as well as riding to work.

NOTRE DAME ONE OF ONLY SEVEN TOP 25-RANKED INSTITUTIONS HOSTING TRIO PROGRAMS

Notre Dame continues to be ranked among the nation’s Top 25 universities in U.S. News & World Report’s Best Colleges rankings.

Less well known is that the University is one of only seven Top 25 schools that host one or more of TRiO’s college access and preparatory programs.

The University’s TRiO Programs (Educational Talent Search and Upward Bound) provide opportunities that prepare local middle and high school students from disadvantaged backgrounds to succeed in higher education.

Joining Notre Dame as a Top 25 host institution for TRiO Talent Search and/or TRiO Upward Bound programs are: Columbia University, M.I.T., the University of Chicago, the University of Pennsylvania, University of California-Berkeley and the University of Southern California.

“It’s wonderful to know that we have the opportunity to serve an institution dedicated to achieving academic excellence, and at the same time increasing access to higher education for all,” says TRiO director Stephen Ponzillo.

St. Francis and sustainability

BY RACHEL NOVICK, OFFICE OF SUSTAINABILITY

On Tuesday, Oct. 4, the Notre Dame community will celebrate the Feast of St. Francis of Assisi, patron saint of the environment.

The celebration, which has become a tradition at Notre Dame, will be marked by festivities, thought-provoking discussion and opportunities to follow in the footsteps of St. Francis, who was known for his love of nature and the poor.

Mass will be celebrated by **Rev. Thomas P. Doyle, C.S.C.**, at the Basilica of the Sacred Heart at 5:15 p.m. At 7 p.m., **Matt Ashley**, Chair of the Department of Theology, will present “Sustainability and Catholic Theology” in Jordan 101, followed by a reception.

Dinner at North and South Dining Halls will feature a nature-themed dessert buffet in honor of the Feast Day, generously provided by ND Food Services. Tables will be located at each dining hall where students, staff and faculty can sign pledges to better care for nature and the poor through service opportunities and simple everyday choices.

This year’s Feast of St. Francis comes at a time of increasing concern for the health of the planet but also of increased awareness and activism, including in the American Catholic community.

Notre Dame’s Office of Sustainability recently collaborated with the Catholic Coalition on Climate Change, the Association of Catholic Colleges and Universities, and representatives from Santa Clara University and Catholic University of America to publish “Sustainability and Catholic Higher Education: A Toolkit for Mission Integration.” This toolkit is currently being disseminated to Catholic colleges and universities across the country to provide guidance and resources that



will help them further integrate sustainability into the fabric of campus life.

“The publication of the toolkit represents the culmination of a yearlong collaborative process in which the Notre Dame Office of Sustainability was intimately involved,” said Dan Dileo, project manager at the Catholic Coalition on Climate Change. “Notre Dame’s Sustainability personnel helped craft the vision, framework and contents of the toolkit by sharing their invaluable experience of ‘doing’ mission-based sustainability at a Catholic school.

“The toolkit is built around the Coalition’s St. Francis Pledge, which brings together families,

parishes, schools and communities around the country in a commitment to reduce their carbon footprint and advocate on behalf of creation and the poor,” added Dileo. “Many students, staff and faculty at Notre Dame have already signed the St. Francis Pledge, and we encourage the rest of the Notre Dame community to go to catholicclimatecovenant.org and do the same.” Notre Dame’s Feast of St. Francis program is cosponsored by the Office of Sustainability, Student Government, GreeND, the Center for Social Concerns, the Department of Theology and Campus Ministry.

“On the Feast of St. Francis, we recall the words of a saint who told us to ‘preach the Gospel at all times, and when necessary, to use words,’” said Patrick McCormick ’12, student body president. “The true celebration of the legacy of St. Francis will be in the actions that we take in a world that all too often loses sight of the fact that a commitment to ecological justice is inseparable from a commitment to the dignity of the human person.”



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Submit story ideas, questions and comments to ndworks@nd.edu or contact Carol C. Bradley, 631-0445 or bradley.7@nd.edu.

Tips for securing your mobile device

BY LENETTE VOTAVA, OIT

Those who use mobile devices such as smartphones and tablets enjoy the convenience features and capabilities, but many are unaware of the security risks.

According to a new study by Juniper Networks, hackers and malware distributors have shifted their focus to mobile devices. Why? Because the majority of users don’t have proper security measures in place.

The study also found that any device with downloadable apps is at a higher risk because the most common way for malware to find its way onto a mobile device is through an app. Attackers are also able to gain easy access to your email and social networking information through unsecure Wi-Fi.

Here are some good ways to secure your mobile device:

- **Set a password, PIN or security pattern to keep others from using your device.** Also make sure your device locks after idling for too long. Remember, the shorter the time, the safer your data.
- **Limit the amount of behind-the-scenes communication that may leak data or allow others to remotely connect to your device.** For example, most devices allow GPS tracking. This is also used for targeted advertising—an unnecessary feature that exposes your location. It’s a good idea to turn GPS and other similar services (e.g., Bluetooth) off.
- **Don’t allow applications or Web browsers to store passwords, and don’t store personal information on your device.**
- **Be sure to keep the operating system on your mobile device well maintained by downloading and applying patches from legitimate providers in a timely manner.**
- **Enable remote wipe.** If you lose your device, you may be able to remotely erase your data if you have installed the OIT security application or have configured your device with Microsoft Exchange. Details are available at oit.nd.edu/security/mobiledevice/index.shtml.

By following these guidelines, you can decrease the chance of identity theft as well as unauthorized access to your email and bank accounts, personal records, etc.

Paperless conflict of interest disclosure system launches

BY CAROL C. BRADLEY, NDWORKS

Consistent with federal guidelines, the University’s Conflict of Interest Policy requires that each employee in a position to influence or commit Notre Dame resources complete and file an annual conflict of interest disclosure form.

A new paperless submission form will make the process much speedier and more efficient, says **Angela Knobloch**, policy specialist in the Office of General Counsel.

The University’s conflict of interest disclosure policy applies to all faculty and exempt staff, says Knobloch. The new paperless system will be rolled out first to faculty, via email in early October.

Everyone who receives the email notification is required to complete the form,” she emphasizes. “The new system is easy to use, and required both by federal law and individual position responsibilities and goals.”

What constitutes a conflict of interest?

“If a reasonable person could look at a situation and question a relationship, a connection or a financial interest, it needs to be documented and a management plan implemented where needed,” Knobloch says. “Disclosed activities

are not necessarily discouraged. The goal is that by being aware of them, we can put mechanisms in place that ensure the integrity of research, administration and individual position responsibilities.”

The new electronic form submission system is simple: Follow the link in the email, fill out the form and click “submit.”

Forms go to one of approximately 30 designated reviewers. The vast majority of submissions will reveal no conflicts, allowing reviewers to focus on those with actual or potential conflicts. Those situations, Knobloch says, may require a more in-depth conversation with a reviewer, and the development of a management plan to address any issues.

“We have an effective system in place to enable those covered by the conflict of interest policy to comply in a timely manner,” says Knobloch. “It protects your interests. Our goal is to be a partner, to allow all of us to do our jobs without the risk of our integrity being questioned.”

For more information, visit conflictpolicy.nd.edu. The site includes a summary of the policy with a link to the entire policy, contact information and frequently asked questions.

Town Hall meetings provide updates on Advancing Our Vision



MATT CASHORE

Affleck-Graves

New initiatives include a campus wellness center

BY BRENDAN O'SHAUGHNESSY,
PUBLIC AFFAIRS

A new wellness center on campus, a staff early retirement option, and the protection of jobs and benefits were notable results of the Advancing Our Vision initiative presented in the Faculty Address and Town Hall meetings held last week.

President Rev. John I. Jenkins, C.S.C., announced that the Strategic Funding Committee he created in February had reviewed the budget and identified \$30 million in recurring expenses or potential revenue that could be redirected to fund top University priorities. He said this represents about 3 percent of the total budget and will help

Notre Dame continue its momentum during a period that has caused many other universities to scale back their plans for progress, lay off employees or cut pay and benefits.

He also told capacity crowds of faculty and staff members that the generosity of Notre Dame benefactors and the sacrifices of tuition-paying families meant “we were obliged to take a hard look at ourselves to see if we could find resources to advance the vision of Notre Dame, even if this demanded something of all of us.”

Father Jenkins said the committee's goal was to protect jobs, salaries and benefits; instead, some perks unique to Notre Dame will end. These include a 20 percent discount on the purchase of football tickets and a cell phone policy that has had few restrictions. He pointed out that employees will still have the option to buy season tickets and do not have to pay a seat

license or minimum contribution like other season ticket buyers.

Father Jenkins rejected a recommendation from the committee to impose a general fee for parking. But he did say that fees are likely once it becomes necessary to build a structured parking facility sometime in the next five years. There will also be reserved spots on campus available for a fee.

Executive Vice President John Affleck-Graves, who joined Father Jenkins for Town Hall meetings, said early retirements will not be fully replaced, requiring some reorganization and some employees to pick up extra duties. He also said each division can decide how to reorganize to accommodate the losses.

“What we heard from your recommendations on the website was that there are things we could stop doing because they are unnecessary,”

Affleck-Graves said. “We will all have to pick up some slack but we also have to ask ourselves what we can do more efficiently.”

Many of the questions related to the announcement of a new wellness center for employees and their families. The facility, which is scheduled to begin construction soon and open next July, will be located in the northeast area of campus at Wilson Avenue and Bulla Road. Hours of operation are expected to be 7 a.m. to 7 p.m. Monday through Friday and 8 a.m. to noon Saturday.

Affleck-Graves said the new facility is not intended to replace an employee's primary care physician, but it will offer convenience that can save time compared to an off-campus trip to a busy doctor's office and pharmacy. The center will offer services ranging from flu shots and health screenings to physical therapy and a pharmacy.

Father Jenkins said the committee also focused on process improvements. Programs such as the online TravelND and the new VoIP phones show how new technology can offer better service while also preserving the University's resources for top priorities.

Father Jenkins said the committee identified the money for reallocation; he will consult with Affleck-Graves and Provost Tom Burish about specific decisions on where to invest these resources. Broadly, Advancing Our Vision will fund new faculty positions to further strengthen teaching and research; provide financial aid to meet the growing needs of students; and enhance staff support, libraries and infrastructure to accomplish Notre Dame's academic mission of teaching and inquiry.

Affleck-Graves gave other updates at the Town Halls:

- The Morris Inn will be expanded from 92 to 137 rooms with more space in each, an exterior consistent with the campus and an indoor ballroom that can host events all year. The renovation is scheduled for completion in the spring of 2014.
- Summer tuition is expected to increase over the next two years to match peer institutions.
- Employees were encouraged to save money by using buyND for procurement and networked printers that serve several offices.
- The evacuation of the stadium during lightning storms underscored the importance of creating a culture of safety on campus.
- The Compton Family Ice Arena will open in October and the Stayer Center for Executive Education is scheduled for completion in 2013.

General Services moves from ‘on-demand’ to scheduled service

Customers benefit from smoother process

BY JULIA SAMA, OFFICE OF
CONTINUOUS IMPROVEMENT

The General Services department knew it could deliver better customer service to the campus community, and recently it set out to do just that.

The General Services team completes approximately 4,500 work orders per year, with jobs ranging from setting up tables, chairs, stages and podiums for campus events to installing posts and signage on campus and moving offices from one space to another.

When data was collected and analyzed, it was discovered that 30 percent of work orders required additional work (known as “rework”). Sometimes work order forms had missing or inaccurate information. Access to the person submitting the request and/or the space was limited. Often, additional requests were made of General Services upon workers' arrival for the current order. General Services staff—and their customers—were spending more time than necessary on each request.

Another big challenge for General Services is that the workload varies significantly depending on the time of year. Services are in much higher demand when there are special events such as football weekends and Commencement.

The department needed a better



PHOTO PROVIDED
Front Row: Amy Coughlin, Marty Ogren, Bobby Wright, Andrew Gentry, Chris Champer, Jim Sholty, Troy Tucker

Back Row: Ed Schrupp, Pat O'Hara, Shawn Thomas, Andy Jones, Dave Honer, George Schramm

Not Pictured: Kathy Reeves, Chris Runyon, Dustin Saunders

way to manage peaks in demand without overtaxing resources.

Marty Ogren, associate director of warehouse, delivery and transportation, knew that improving the accuracy of work order requests and balancing demand and capacity wouldn't just help General Services—it would positively impact a lot of other departments on campus.

Ogren completed Green Belt training offered by the Office of Continuous Improvement and, with support from the Continuous Improvement team, worked with the General Services team to better understand its processes and pinpoint potential areas of improvement.

Bruce Harris, an adjunct instructor in the Mendoza College of Business who also develops Microsoft Excel business tools, created a scheduling system for General Services that was critical in addressing the challenges of matching its capacity to demand.

Together, the team looked at the work order process and examined the reasons why there was so much rework involved. To address those causes, it developed solutions that were implemented in May.

General Services launched the new scheduling system and a weekly summary report that lets team members compare internal capacity to customer demand every day. Best

of all, they can manage and adjust the schedule as needed. “We better understand when we need to make calls to adjust services, and when we need to hire temporary help,” says Ogren. “Overall, we have gained a better understanding of our customer demand versus our labor capacity. We now have data to inform our strategy and actions.”

Now, during peak times, General Services uses temporary employees in a more strategic way and during slower times, team members can be assigned to assist other departments in the division.

To address the rework issues, General Services calls customers to confirm appointments the day before the work is scheduled to be completed. This extra step has significantly reduced its time spent

later in the process.

The team set a goal to reduce the number of work orders requiring rework from 30 percent to 5 percent or less per month. After just six months the average rework rate is down to 6.64 percent. In the most recent three months, rework has decreased to 1.57 percent of all transactions—a remarkable achievement!

General Services is now spending less time on rework and the administration of work orders, and more time on the work itself.

Says Ogren, “We are no longer an on-demand service; we are a scheduled service. And our customers are benefiting from a smoother, clearer process.”

NEWS BRIEF

IN MEMORIAM: TINA DURSKI, 51

The campus community is saddened by the loss of **Tina Maria Allen Durski**, 51, who died Sept. 7. Durski was senior administrative assistant to the Notre Dame Band, and in that position was responsible for handling all the band's travel arrangements. She had planned trips to China, Japan, Europe, the Sugar Bowl, the Fiesta Bowl and many away games. Prior to her position with the band, Durski worked in Food Services administration for eight years.

Says Ken Dye, director of the band, “Tina was a dedicated, energetic administrative assistant. She took personal pride in the band's accomplishments and always had a lively sense of humor. She is missed by her colleagues and all the band students that knew her.”

University donates used lab equipment to boost science education

Program also includes instructions for scientific experiments

BY GENE STOWE, FOR NDWORKS

In its first year, ND LIGHTS—Notre Dame Laboratory Instrumentation Giving Hope To Students—collected some \$275,000 worth of donated laboratory equipment on campus to help boost science education at underequipped schools.

In addition to providing equipment, the program includes step-by-step instructions for scientific experiments, as well as a kit containing the supplies and accessories necessary to conduct them.

“The one thing that sets apart this lab donation program is the fact that we develop high school lab experiments to go with each of the pieces,” says **Michelle Joyce**, assistant professional specialist in chemistry and biochemistry, who administers the program in collaboration with Procurement Services and the Office of Sustainability.

“When we train the teachers on how to use the instruments, we take them through the experiment that has been designed for them,” Joyce says, “and send them off with the instrument and a ton of reagents and accessories so the burden is not on the school to figure out how to use it or how to get the lab accessories needed to do the experiment.”

Faculty members donated the equipment, such as an optical microscope, two rotary evaporators, pH meters, a voltmeter and glassware. VWR, the global distributor of scientific supplies that is Notre Dame’s preferred vendor, donated the materials.

The company’s sales representative, Renee Wedel, and on-site coordinator, Dan Tuisaula, have offices in the Jordan Hall of Science and got support from VWR regional manager Colin Wilcox and Chris Lope, vice president for education and research.

“They fully supported gifting all the accessories and reagents to go along with the experiment,” Joyce says. “Chris liked the outreach component to it. It’s something he felt VWR really wanted to support.

“It was a huge gift for us because it allowed for that special component to the program that really sets us apart from other donation programs.”

The rotary evaporator, for example, comes with reagents and accessories to extract and separate pigmentation from leaves that students collect in their high school course. That allows them to compare leaves from different species and leaves from the same species in different seasons.

The donations are especially important at a time when budget cuts strain schools’ ability to buy laboratory supplies and equipment.

Most schools receiving the donated equipment in the first year are in the Alliance for Catholic Education (ACE) program, and students in ACE were trained to use the equipment while on campus for their summer studies.

Next year, local high schools will be included, says Joyce, who hopes to expand the program with donations or grants that would support training teachers, refurbishing equipment and shipping instrumentation to schools.

“I feel like this is part of our



mission—to transfer the tools of scientific discovery,” she says. “If we have instrumentation and we’re not using it, we should definitely pass it on.”

ACE teacher Andrea Krebs stands next to used laboratory equipment to be donated to limited-resource schools across the country as part of the ND LIGHTS program.

Morris Inn recycling initiative supports United Way program

Products address a growing need in the community

BY GENE STOWE, FOR NDWORKS

A recycling initiative at the Morris Inn has delivered some 125 pounds of unused shampoo and 86 pounds of soap—gathered one little bottle or bar at a time—to a United Way program that distributes the goods to local food pantries.

Organizers hope to boost collections during football season, and eventually spread the project to other local hotels. Housekeepers simply drop leftover toiletries they collect from rooms into a bucket rather than into the trash.

“We collected used shampoos and conditioners and used bar soaps,” says **Sheila Breining**, housekeeping supervisor at the Morris Inn. “It’s at least one five-gallon bucket per month. I’m anticipating with October being busy like it is, it might be two buckets.”

When the bucket is full, Breining calls **Andy Boes**, a junior political science major from Seattle, Wash., and Dillon Hall president.

Boes, who interned with United Way of St. Joseph County last spring and is interning again this fall, launched the project to support the agency’s **People Gotta Eat** initiative with a group of area food pantries.

“One of the needs is these non-food necessity items,” says Boes, who served on a panel that reviewed grant applications for basic needs.

Dillon Hall volunteers collect the items and deliver them so United Way doesn’t have to pick them up.

Karen Sommers, United Way’s vice president of community investment, says the goods address a growing need in the community,

where 20 percent of people coming to food banks have not used the services before.

“You can’t use food stamps for personal care products, and if you’re low on money and trying to pay your rent or utilities, it is often something that is put on the back burners,” she says.

Of the 17 food pantries collaborating in People Gotta Eat, the Food Bank of Northern Indiana, AIDS Ministries, Catholic Charities, Church Lady and Friends, Share Your Blessings and Southgate Food Pantry have signed a

memorandum of understanding with the University to receive the goods.

The Office of Sustainability tracks the weight of product recovered that would typically go into the waste stream, and includes the amount in the University’s recycling figures.

Boes, who hopes to have a career in the nonprofit field, plans to use the numbers as he markets the initiative to other local hotels to boost supplies for People Gotta Eat.

See Page 5 for more information on the University’s United Way campaign, or visit unitedway.nd.edu.



Ofelia Smith, Morris Inn lead housekeeper

A pure mathematician

Research focuses on mathematical foundations of string theory

BY GENE STOWE, FOR NDWORKS

Katrina Barron, associate professor of mathematics, fell in love with math two years after she earned an undergraduate degree in physics at the University of Chicago.

When an ankle injury interrupted her professional dance and theater work, she decided to tutor. The job opening was for abstract algebra and group theory—not her favorites as an undergraduate—rather than physics.

“I always liked math, but even at that time I didn’t understand what a research mathematician might do,” she recalls. “When I saw the subject of abstract algebra again, I saw it as absolutely beautiful, like poetry.”

Some of her former professors who had gone to Rutgers University encouraged her to pursue a doctorate in mathematics there, with the option of switching to physics if she changed her mind. She stayed with math.

Today Barron, who came to Notre Dame in 2001, teaches linear algebra and differential equations to second-year engineering undergraduates, and abstract algebra and group theory to first-year graduate students.

Her research focuses on the mathematical foundations of string theory, and she recently returned from a 13-month study at the Max Planck Institute in Bonn, Germany, where she interacted with others in the field from around the world.

“I consider myself a pure mathematician,” Barron says. “It so happens that this physical theory that might be a model for the universe has deep and rich meaning mathematically.

“Whether or not it models the universe, it has very important implications for many branches of what we might call pure mathematics—mathematics you might study even if it does not have foreseeable applications in the real world.”

The potential convergence of abstract beauty and physical reality is a best-of-both-worlds opportunity for Barron.

“Not only are you constructing new mathematical structures that relate number theory, group theory, representation theory of infinite objects and understanding symmetries of objects, but it might also be a model for how our universe works,” she says.

“It’s such a broad and intricate area involving so many different aspects of mathematics. There are so many people working on this.”

Experience gives her a perspective that bridges algebra and geometry, helping students see different approaches to the same problems.

“Although I pursue the pure mathematical aspects of the physical theory of string theory, much of what I do does have applications to areas of physics,” says Barron.



Barron

Natatorium hosts scholarly panel on human rights memorials

South Bend's Engman Natatorium, 1040 W. Washington St., will host a panel discussion, "What Should We Remember? Memorials, History, and Human Rights," at 5:30 p.m. Tuesday, Oct. 11. The event and reception, which are free and open to the public, are presented by the Notre Dame Law School's **Center for Civil and Human Rights** and **Notre Dame Downtown**.

Panelists include **Erika Doss**, professor and chair of American Studies; **Carlos Jerez-Farrán**, Notre Dame professor of Spanish; and **Doug Cassel**, an international human rights law specialist in the Law School.

Kevin Lamarr James, IU South Bend assistant professor of sociology and director of the Civil Rights Heritage Center at the Natatorium, will discuss the building's history. The one-time public swimming pool, was segregated during the Jim Crow years when state and federal laws mandated racial separation.

The panel discussion will be moderated by **Sean O'Brien**, event organizer and assistant director of the Center for Civil and Human Rights.

For more information, contact Sean O'Brien, 574-631-8544 or sobrien2@nd.edu.

Yes, I'd like to help make a difference in my community!

Support the United Way



Why United Way?

With so many charities and so many causes competing for our donations, why give to the United Way?

Because children and families need our help, right here in St. Joseph County.

Here are some sobering statistics: Seventy-three percent of students in St. Joseph County receive free or reduced-price lunches. Nearly 30 percent of pregnant women receive no prenatal care. Forty-two percent of visitors to area food pantries report having to choose between buying food and paying utility bills.

The United Way's theme, **Live United**, asks community members to give, advocate and volunteer for the common good.

Where do my United Way dollars go?

Your United Way dollars support 60 local programs that focus on the building blocks necessary for a successful life: education, income stability and health.

United Way of St. Joseph County partner agencies include the **Food Bank of Northern Indiana**, **Catholic Charities**, **United Health Services**, the **American Red Cross**, **Riverbend Cancer Services**, **The Salvation Army** and the **YWCA North Central Indiana**. For a complete list of partner agencies and funded programs, visit uwsjc.org.

Other local initiatives include **People Gotta Eat**, which helps those in our community without the means to secure adequate food for their families. The UWSJC works with more than 15 area food pantries to raise money to keep food pantries stocked.

While the United Way is a national network of more than 1,300 agencies, each agency is independent and all funding decisions are made locally.

You may also designate your contribution to go to a specific agency, or another United Way agency if you live outside St. Joseph County.

Help members of the Notre Dame family

Five percent of your total pledge goes to the University's **Employee Compassion Fund**, which helps fellow employees with catastrophic or emergency financial needs.

Pledge on paper, or online

Pledge online with the **E-Pledge system**. You may contribute by payroll deduction from each paycheck, or make a one-time donation. All contributions are tax-deductible. To access the online pledge system, visit unitedway.nd.edu. Those who pledge by the deadline of Dec. 12 will be eligible to win one of a number of prizes.

Return pledge cards via campus mail to the Notre Dame United Way Campaign, 100 Brownson Hall.

For more information on the United Way, visit uwsjc.org or call 574-232-8201.

Food Services receives high marks in benchmarking study

Student satisfaction with retail outlets exceeds that of regional and institutional peers

BY COLLEEN O'CONNOR, FOR NDWORKS

Envision Strategies, an international food services consulting firm, was hired last year to review Notre Dame's current retail food services offerings and catering operations. Quality, variety, service, consistency, price/value, distribution and convenience, along with financial performance, were assessed. The scope of the review also included identification of opportunities for operational, organizational and facilities improvement as well as guidelines for sustainable growth.

Eleven peer institutions were selected for benchmarking Notre Dame's retail food services. They are Boston College, Cornell, Dartmouth, Duke, Johns Hopkins, Northwestern, Princeton, Purdue, Syracuse, University of Virginia and Villanova. Several criteria were considered in selecting the comparable schools, including highly selective and competitive admissions procedures, research capabilities, heavily residential campuses, and well developed, popular student dining programs.

Key findings from the study were that Notre Dame's retail food services program is performing well with regard to quality, variety, service, distribution, convenience and financial performance. It highlighted the outstanding culinary talent and resources found here and indicated excellent distribution of outlets relative to population and traffic patterns. Finally, it indicated stable satisfaction among students that exceeds regional and institutional peers.

Opportunities for improving the retail program include addressing the gap in distribution on the north side of campus near the Hesburgh Library, redeveloping LaFortune options to improve variety and capacity, and developing a stronger program around sundries and convenience items.

Price/value was expressed as a concern, particularly among staff. National surveys indicate this campus trend is reflective of a national trend, and that Notre Dame's satisfaction level is higher than regional and institutional peers. The benchmarking indicated that Notre Dame pricing is at or below local market and is in line with peer campuses. Price was found not to be the primary impetus for success on Notre Dame's campus.

Key recommendations include development of a strong café concept

near the Hesburgh Library; expansion and redevelopment of LaFortune food services; rebalancing of Huddle brands; expansion of carryout food options; creation of a residential convenience store for on-campus residents; and development of a visible value campaign.

Similarly, Notre Dame catering operations were benchmarked by Envision Strategies, who found the catering services at Notre Dame to be the largest campus catering program in their experience. Menus and policies were compared with menus from six local caterers who were identified as competitors. In addition, Notre Dame's catering policies were compared with policies from 10 peer institutions to gain a broader perspective of the norm in similar environments outside the local area.

Key findings were: Quality and service are consistent and high; campus catering entities are identifiable and complementary; multiple simultaneous events are handled well; logistical systems are sophisticated and well developed; the recent addition of



Waddick's, a '50s style café in O'Shaughnessy Hall, gives students a place to eat, study and socialize.

Catering By Design Elite Catering Service has been well received; and Notre Dame catering options are seen as less restrictive than local competitors.

Opportunities for improving Notre Dame's catering services include careful revision of menus and catering policies; enhancements to the box lunch program; modification of Catering By Design's current organizational structure; and broader application of available resources at events.

"We are thrilled with the results

of Envision's benchmarking study, and our Food Service units are excited about the opportunities the study presents to take our retail food services program and catering operations to new levels of success and satisfaction for all campus and external customers," said David Harr, associate vice president for Auxiliary Operations.

NEW FACULTY 2011

80 NEW FACULTY MEMBERS JOINED THE NOTRE DAME FAMILY THIS FALL

COLLEGE OF ARTS AND LETTERS

Megan Andrew



Assistant Professor, Sociology
Interests: Education, social stratification, social psychology, quantitative methods
Courses: Sociology of Higher Education
Recent position/institution: Robert Wood Johnson Scholar in Health Policy Research Fellow, University of Michigan

Education: B.S., Utah State University; M.A., Ph.D., University of Wisconsin
Why Notre Dame: I came to Notre Dame because I wanted to be part of a dynamic institution continuing to develop its research mission. There are a lot of resources here to conduct my research, not least of which are the great faculty and the Center for Research on Educational Opportunity.

Mostafa Atamnia



Assistant Professional Specialist, Classics
Interests: Arabic studies, human rights and North African culture
Courses: Two sections of first-year Arabic and two sections of second-year Arabic

Recent position/institution: Arabic preceptor on the Ali Abdurahman Al-Turki Endowment at Harvard University
Education: J.D., University of Algiers, Algeria
Why Notre Dame: Because Notre Dame is a Catholic academic community of higher learning, and because of its dedication to the pursuit and sharing of truth for its own sake. Also because of its distinctive goals to provide a forum where, through free inquiry and open discussion, the various lines of Catholic thought may intersect with all the forms of knowledge found in the arts, sciences, professions and every other area of human scholarship and creativity.

Zygmunt G. Baranski



Notre Dame Professor of Dante and Italian Studies, Romance Languages and Literatures
Interests: I work primarily in the area of medieval Italian literature with particular reference to Dante. I also carry out research on modern Italian culture.

Courses: Dante's Divine Comedy: The Christian Universe as Poetry
Recent position/institution: Serena Professor of Italian, University of Cambridge; Fellow of Murray Edwards College
Education: B.A., University of Hull
Why Notre Dame: There are two main reasons: 1) Notre Dame is rapidly becoming the major international center for the study both of Italian culture in general and Dante in particular; 2) I have spent most of my life (nearly 40 years) as an academic studying Catholicism's major poet, Dante Alighieri; it thus seemed more than appropriate that I should bring my studies on Dante to a close at a leading Catholic university.

Jaimie Bleck



Assistant Professor, Political Science
Interests: African politics, democratization, social service provision and citizenship
Courses: Globalization in Africa; Democracy and Citizenship in Africa (junior seminar); Field Research Methods (graduate student seminar)

Recent position/institution: I just completed my Ph.D. at Cornell University.
Education: B.A., University of Chicago; M.A., Ph.D., Cornell University
Why Notre Dame: I am very excited to join a

group of interdisciplinary scholars working on Africa at the Kellogg Institute. I was attracted to Notre Dame's commitment to human development and social justice.

Francesca Bordogna



Associate Professor, Program of Liberal Studies and History and Philosophy of Science Program
Interests: The study of the relationships between science and philosophy, especially the philosophy of pragmatism.

Courses: Natural science tutorials and Great Books seminars in the Program of Liberal Studies; history of science courses in the History and Philosophy of Science program; Natural Science 2, a lecture course examining ancient and early-modern science and medicine
Recent position/institution: Associate Professor, Department of History and Program in Science in Human Culture, Northwestern University
Education: Laurea, University of Milan; Ph.D., University of Chicago
Why Notre Dame: There are many reasons why I am excited to return to Notre Dame, where I had the privilege of teaching in 1999-2000. As a Catholic, I believe that Catholicism has both much to say about science and much to gain from a continued conversation with scientists. Scholars who examine science from the perspectives provided by the humanities have much to contribute to such conversations, and the University provides a unique institutional setting for making such exchanges possible and productive. Last, but not least, I have missed the combination of intellectual curiosity, religious ideals and ethical commitment which makes Notre Dame students a pleasure to teach.

Tatiana Botero-Jauregui



Special Professional Specialist, Romance Languages and Literatures
Interests: Second language acquisition and foreign language teaching, with a particular focus on teaching language through culture

Courses: Intermediate Spanish I
Recent position/institution: Senior Lecturer, Vanderbilt University
Education: B.A., M.A., West Virginia University
Why Notre Dame: I am thrilled to join Notre Dame. Ever since my first visit I felt at home—everyone is so warm and welcoming. You can feel the Notre Dame family spirit among students, faculty and staff. This is the place to be!

Elizabeth Gibbons Capdevielle



Assistant Professional Specialist, University Writing Program
Interests: Rhetoric and ethics, medieval literature, hagiography and intercessory prayer
Courses: Writing and Rhetoric

Recent position/institution: Visiting Assistant Professional Specialist, University of Notre Dame
Education: B.A., Saint Louis University; M.A., St. John's College; Ph.D. candidate, University of Wisconsin-Madison
Why Notre Dame: I feel at home at Notre Dame. The best argument for the value of my course is made for me by the Notre Dame mission statement, which directs all of us at Notre Dame to make learning become "service to justice". My course teaches that excellence in writing and rhetoric will demand responsiveness to others' values and interests, along with fidelity to the truth. Good writing humanizes writers and readers alike. Personally, as a Catholic, I feel my faith refreshed and supported by Notre Dame's beautiful Catholic culture.

Catherine Cavadini



Assistant Professional Specialist, Theology
Interests: Medieval biblical interpretation
Courses: Foundations of Theology: Biblical and Historical
Recent position/institution: Teaching

Scholar, University of Notre Dame
Education: B.A., University of Notre Dame; M.T.S., Duke University; Ph.D., University of Notre Dame
Why Notre Dame: Notre Dame is home to the premier theology department in the country. Here, as nowhere else, faith and reason come together in the intellectual pursuit of "faith seeking understanding."

Anjan Chakravarty



Professor, Philosophy
Interests: Philosophy of science and metaphysics, including topics in the philosophy of physics and biology
Courses: Truth, falsehood and social construction in the context of scientific

knowledge; scientific modeling, representation and taxonomy; causation and laws of nature
Recent position/institution: Director of and Associate Professor in the Institute for the History and Philosophy of Science and Technology at the University of Toronto, cross-appointed to the Department of Philosophy
Education: B.Sc., M.A., University of Toronto; M.Phil., Ph.D., University of Cambridge
Why Notre Dame: It's hard to imagine a better place to be a philosopher than Notre Dame, with its deep commitment to philosophy and so many distinguished colleagues. I look forward to contributing toward the excellent work of the program in history and philosophy of science.

Ann-Marie Conrado



Assistant Professor, Art, Art History, & Design
Interests: Social design
Courses: Visual Dialogue: Drawing for Designers; Product Design I; Product Design Research; Advanced Product Design
Recent position/institution: Working in industry as a product design and research consultant with international clientele including Panasonic, Starbucks, Namco-Bandai and Bayer

Education: B.F.A., University of Notre Dame; M.A., University of Chicago
Why Notre Dame: My interest in utilizing the power and promise of design thinking to address social and humanitarian concerns reflects the highest ideals of Notre Dame's mission and Catholic social teachings. Being able to both prepare students to meet the demanding technical and creative proficiencies of our industry while directing their energies toward serving society's most disadvantaged is combination uniquely suited to the distinct character of our community. It's an honor to teach at Notre Dame and well worth leaving industry for the opportunity to do so.

Celia Deane-Drummond



Professor, Theology, College of Arts and Letters and College of Science
Interests: Theology and the biosciences, ecotheology, environmental ethics, bioethics, public theology,

development and sustainability
Courses: Science and Wisdom; Bioethics; Environmental Ethics; Ecotheology
Recent position/institution: Professor in theology and the biosciences, University of Chester, U.K.
Education: B.A. / M.A., University of Cambridge; Ph.D., University of Reading, U.K.; B.A., Council of National Academic Awards, U.K.; Ph.D., Manchester Victoria, U.K.; PGCE, Manchester Metropolitan, U.K.

Why Notre Dame: As a jointly funded appointment between the College of Science and Arts and Letters, this post provided a perfect opportunity to develop my research and teaching interests. I am also delighted to be housed in the department of theology and particularly look forward to contributing to building ... the theology and science [division] of the history and philosophy of science doctoral program. Further opportunities to work with Catholic Relief Services, alongside a warm, welcoming environment and peers with outstanding intellectual capability, meant that Notre Dame was the obvious choice.

Carlos A. Jauregui



Associate Professor of Romance Languages and Literatures
Interests: Colonial studies; 19th-century Latin American literature; postcolonial theory and cultural history
Courses: Going Native

and the Colonial Imagination
Recent position/institution: Associate Professor of Latin American literature and anthropology, Vanderbilt University
Education: Law Degree, Universidad Externado de Colombia, Bogotá, Colombia; M.A., West Virginia University; Ph.D., University of Pittsburgh
Why Notre Dame: After my first campus visit it became clear to me that I wanted to be part of Notre Dame's community. I like the fact that faculty and students aren't afraid of the big questions here, questions about ethics, social justice, human rights, and don't abandon them for micro-specialization.

Terence Johnson



Instructor, Economics
Interests: Microeconomic theory, game theory and market design
Courses: Microeconomic Theory, Game Theory
Recent position/institution: Graduate Assistant, University of

Maryland
Education: B.A., Syracuse University; Ph.D., University of Maryland
Why Notre Dame: I chose to come to Notre Dame because it offers many incredible opportunities to pursue ambitious and interesting research, teach challenging and interesting material to excellent students, and participate in a vibrant academic community.

Edward Jurkowitz



Assistant Professional Specialist, Reilly Center for Science, Technology and Values; Assistant Director, History and Philosophy of Science Program
Interests: History of Science, especially history

of physics
Courses: Science, Technology and Society; Fundamental Concepts of Natural Science; Science, Epistemology and Social Visions
Recent position/institution: Research fellow, Max Planck Institute for the History of Science, and Fritz Haber Institute of the Max Planck Society, Berlin, Germany
Education: B.A., Harvard University; M.A. Ph.D., University of Toronto
Why Notre Dame: I came to Notre Dame to help expand the great undergraduate minor program, Science, Technology and Values, one in which students explore the complex, shifting intersections between science and society, and am excited to contribute to the vibrant, diverse scholarship pursued by faculty and graduate students associated with the History and Philosophy of Science program. All in all, Notre Dame is a wonderful place for a historian of science.

Declan Kiberd

Donald and Marilyn Keough Professor of Irish Studies

Interests: Irish writing
Courses: James Joyce; Wilde and Synge; Art and Subversion

Recent position/institution: Professor of

Anglo-Irish Literature and Drama, University College Dublin

Education: B.A., Trinity College Dublin; D.Phil., Oxford University

Why Notre Dame: *I was aware of the global profile of the Irish Studies program. I work both in English and Irish languages, so the bilingual nature of the program appeals greatly. The many disciplines reflected in Irish Studies at Notre Dame will also be invaluable in allowing me to pursue interests in the relation between art and society.*

Jason Lahr

Assistant Professor, Art, Art History, & Design

Interests: Narrative painting that utilizes written texts and appropriated images to address notions of working-class masculinity

Courses: Painting I;

Multilevel Painting; M.F.A. independent studies

Recent position/institution: Visiting Assistant Professor, University of Notre Dame

Education: B.F.A., Clarion University; M.F.A., Penn State University

Why Notre Dame: *I chose Notre Dame because of my desire to be in a university environment offering unparalleled support and enthusiasm for research while maintaining a strong emphasis in teaching and service. When coupled with the superior caliber of faculty and students, the resources available on campus, and Notre Dame's strong liberal arts tradition, the decision was an easy one to make.*

Amy G. Langenkamp

Assistant Professor, Sociology

Interests: Processes of inequality within schools, especially how inequality is replicated or diminished across school transitions

Courses: Understanding Societies

Recent position/institution: Assistant Professor in the Department of Sociology, Georgia State University

Education: B.A., Villanova University; M.A., Ph.D., University of Texas at Austin

Why Notre Dame: *I chose to come to Notre Dame because, within the Institute of Educational Initiatives and the Center for Research on Educational Opportunity, there is a community of scholars at the forefront of research on education and educational inequality. I look forward to working with such a distinguished community.*

José E. Limón

Notre Dame Professor of American Literature, English

Interests: Mexican-American literature and culture

Courses: Cultural Studies; Mexican-American Literature; Literature of

the U.S. South; American Literary Traditions; Latinos, Leadership and Literature

Recent position/institution: Mody C. Boatright Regents Professor of English and American Literature, University of Texas at Austin

Education: B.A., M.A., Ph.D., University of Texas at Austin

Why Notre Dame: *I have wanted to be at Notre Dame since I was a child. The opportunity finally came to join such a distinguished and Catholic institution. I am delighted to be here.*

Amaya Martin

Assistant Professional Specialist, Classics

Interests: Arabic linguistic analysis

Courses: First- and Second-Year Arabic

Recent position/institution: Adjunct Professor, Georgetown

University

Education: B.Sc., University of Kent at Canterbury; *Licenciatura*, Universidad Complutense de Madrid; Ph.D., Georgetown University

Why Notre Dame: *After my visit to the campus, I realized that Notre Dame was the best place to develop both as scholar and as human being. I felt that Notre Dame was a university that tries to get the best academic results, for professors and for students, working both at the intellectual and at the personal human level.*

Elizabeth Aura McClintock

Assistant Professor, Sociology

Interests: Gender, family, partner selection, sexuality

Courses: Marriage and Family

Recent position/institution: Ph.D.

University

Education: B.A., Princeton University; M.A., Ph.D., Stanford University

Why Notre Dame: *This is my dream job. It's great to be part of the vibrant and growing Sociology department. Notre Dame students are a joy to teach and the University provides excellent support for both research and teaching.*

Erin Metz McDonnell

Instructor, Sociology

Interests: International comparative governance and development, with a special focus on Africa and Ghana

Courses: Governance in Africa; Development and Human Well-being

Recent position/institution: Doctoral candidate, Northwestern University

Education: B.S.Ed., Ph.D., Northwestern University

Why Notre Dame: *When visiting Notre Dame, I quickly realized it possesses a unique blend of world-class scholarship combined with a warm community of scholars and students deeply invested in issues of human wellbeing. Notre Dame is a university with a mission and a vision; I want to be a part of continuing that momentum.*

Terence E. McDonnell

Assistant Professor, Sociology

Interests: Culture and media

Courses: Telling about Society: Media, Representation and the Sociology of Knowledge

Recent position/institution: Assistant Professor of Sociology, Vanderbilt University and the Curb Center for Art, Enterprise and Public Policy

Education: B.A., University of Virginia; Ph.D., Northwestern University

Why Notre Dame: *Notre Dame's sociology faculty have established what may be the fastest-rising department in the country, especially for cultural sociology. I'm thrilled to join a department with such energy and promise. In addition, I'm excited to teach students with a real commitment to social justice.*

Rebecca Tinio McKenna

Assistant Professor, History

Interests: U.S. 20th-century social and cultural history

Courses: United States in the World; The Gilded Age and Progressive Era

Recent position/institution: Visiting assistant professor, Southern Connecticut State University

Education: B.A., Barnard College, Columbia University; M.A., Ph.D., Yale University

Why Notre Dame: *The academic excellence associated with the University and the prospect of working with both talented students and accomplished scholars were reasons enough for me*

to choose Notre Dame. Pursuing this scholarly life as a member of a community whose moral and spiritual orientation resonates with my own—this was an opportunity I could not refuse and one that I heartily embrace.

Francesca Aran Murphy

Professor, Theology

Interests: Theological aesthetics

Courses: Foundations, Theology and Film

Recent position/institution: Professor of

Christian Philosophy, University of Aberdeen

Education: B.A., Manchester University; M.A., University of Southern California; Ph.D., King's College, London University

Why Notre Dame: *I came to Notre Dame in order to work in a high caliber Catholic university.*

Paul Ocobock

Assistant Professor, History

Interests: African history, imperialism and colonialism, youth in history

Courses: Africa to 1800; Modern Africa; a First-Year Seminar titled "Anatomy of an African Rebellion"

Recent position/institution: Visiting Fellow, Kellogg Institute for International Studies at the University of Notre Dame

Education: B.A., University of Michigan; M.Phil., Oxford University; Ph.D., Princeton University

Why Notre Dame: *As a Kellogg Institute visiting fellow last year, I got to know Notre Dame a little and saw firsthand how the University would nurture my teaching skills and research agenda. Moreover, I was impressed by the enthusiasm of Notre Dame students to learn about Africa and travel there for research and service. Finding a university eager to invest in you and a student body interested in what you study is an unbeatable combination.*

Emilia Justyna Powell

Assistant Professor, Political Science

Interests: International relations, international law, international organizations

Courses: International Law, International Organizations

Recent position/institution: Assistant Professor, University of

Alabama

Education: Master's Degree, Law, University of Nicholas Copernicus, Torun, Poland; Diploma from Jean Monnet Center for European Studies, Torun, Poland; M.A., Ph.D., Florida State University, Tallahassee

Why Notre Dame: *I chose to come to Notre Dame because of its commitment to upholding the highest standards in education, and its Catholic identity.*

Ricardo Ramirez

Associate Professor, Political Science

Interests: Political behavior, state and local politics, immigration politics and policy, and race and politics

Courses: Latinos and the U.S. Political System

Recent position/institution: Assistant Professor, Department of Political Science, University of Southern California

Education: B.A., University of California, Los Angeles; M.A., Ph.D., Stanford University

Why Notre Dame: *I came to Notre Dame because of the University's commitment to social justice and the established and growing reputation of the political science department. In particular, I could not pass up the opportunity to take part in the vibrant community of faculty and students who comprise the Rooney Center for the Study of American Democracy.*

Denis Robichaud

Assistant Professor, Program of Liberal Studies

Interests: Renaissance humanism, history of philosophy, philology, rhetoric and textual cultures; classical tradition

Courses: Philosophical Inquiry and Seminar II at

the Program of Liberal Studies

Recent position/institution: Ph.D. candidate and Charles S. Singleton and Gilman Fellow, Johns Hopkins University; Frances A. Yates Fellow, Warburg Institute, London, England

Education: B.A., Liberal Arts College of Concordia University in Montreal; M.A., M.A. / Ph.D., Johns Hopkins University

Why Notre Dame: *The University of Notre Dame offers me exceptional scholars with whom I can converse and pursue research as it also deeply appreciates the value of undergraduate education and the humanities. The opportunity to teach in the Program of Liberal Studies has a particular appeal to me because of its well-reasoned curriculum and its ability to attract bright students.*

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Yasmin Solomonescu

Assistant Professor, English

Interests: British Romanticism

Courses: The Romantic Novel; British Romanticism and the Sciences of Life

Recent position/institution: Social Sciences

and Humanities Research Council of Canada (SSHRC) Postdoctoral Research Fellow, York University, Toronto, Canada

Education: B.J., Carleton University; M.Phil., Ph.D., University of Cambridge

Why Notre Dame: *I chose Notre Dame because of its commitment to fostering academic excellence in tandem with a concern for social justice and the common good.*

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Meghan Sullivan

Instructor, Philosophy

Interests: Metaphysics, logic, philosophy of religion

Courses: Metaphysics Majors Seminar; Honors Introduction to Philosophy

Recent position/institution: Graduate student, Rutgers

University Philosophy Department

Education: B.A., University of Virginia; B.Phil., University of Oxford; Ph.D., Rutgers

Why Notre Dame: *Two features attracted me to Notre Dame. First, the philosophy department is world-class, and it's a privilege to work with the other faculty and students here. Second, and more personally, I'm excited to join a community that is exceptionally committed to Catholic education and spirituality.*

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Todd Walatka

Assistant Professional Specialist, Theology

Interests: Contemporary Catholic theology; the theology of Hans Urs von Balthasar; liberation theologies; Jewish-Christian relations

Courses: Foundations of

Theology; Christianity and Judaism

Recent position/institution: Ph.D. student at the University of Notre Dame

Education: B.A., University of Dayton; M.T.S., Ph.D., University of Notre Dame

Why Notre Dame: *Having graduated from the doctoral program in theology here at Notre Dame, I was excited to take up the position of assistant chair for Graduate Studies. South Bend has been a wonderful place for my family, and Notre Dame offers first-class research materials in my field as well as bright undergraduates to work with in the classroom. I was also extremely excited at the prospect of working with doctoral students in the department of theology on pedagogy and professional development.*

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Laura Dassow Walls



William P. and Hazel B. White Professor of English
Interests: American transcendentalism; literature and science
Courses: Fictions of Science/Science in Fiction; Dilemmas of American Transcendentalism

Recent position/institution: John H. Bennett Jr. Chair of Southern Letters, University of South Carolina

Education: B.A., M.A., University of Washington; Ph.D., Indiana University

Why Notre Dame: *Notre Dame offers a unique site to open and sustain a conversation between the humanities and the sciences, at a time when such conversations hold the key to solving the problems posed by the 21st century. Here I am finding a truly cosmopolitan community, centered on broad intellectual inquiry with a profoundly ethical and humanistic orientation—a great privilege, given that the humanities are now on the defensive at so many universities across the nation.*

Matthew Wilkens



Assistant Professor, English
Interests: Contemporary fiction, digital humanities
Courses: Contemporary American fiction; African literature; Digital humanities; World novel
Recent position/institution: Postdoctoral

Fellow, Program in American Culture Studies, Washington University, St. Louis

Education: B.S., College of William and Mary; M.S., University of California, Berkeley; M.A., University of Wisconsin–Madison; Ph.D., Duke University

Why Notre Dame: *I was looking for an environment that combined world-leading research with serious commitment to undergraduate and graduate education. Notre Dame offered that pairing and the resources to sustain it in the future.*

Jia Yang



Assistant Professional Specialist, East Asian Languages and Cultures
Interests: Chinese language pedagogy, cross-cultural communication and computer-assisted language learning
Courses: Beginning and

Intermediate Chinese

Recent position/institution: Lecturer, The Ohio State University

Education: B.A., Beijing University; M.A., Tsinghua University; A.B.D. / M.A., The Ohio State University

Why Notre Dame: *As one of America's leading institutions of higher education, Notre Dame attracts a large number of accomplished faculty and intelligent students. I am thrilled to join this outstanding community of scholars, teachers and students.*

SCHOOL OF ARCHITECTURE

Gilbert Gorski



Associate Professor
Interests: Architectural design and visualization
Courses: Studio Design; Traditional and Digital Visualization Techniques; 3-D Modeling
Recent position/institution: Visiting

Professor, University of Notre Dame

Education: B.Arch., M.Arch., Illinois Institute of Technology

Why Notre Dame: *Abstraction, the primary means for investigating architecture through the last century, is exhausted. Notre Dame's approach for respecting traditional methods of planning and construction is the only possible course for our built environment to become sustainable.*

COLLEGE OF ENGINEERING

Arezoo Ardekani



Rev. John Cardinal O'Hara, C.S.C., Assistant Professor, Aerospace and Mechanical Engineering
Interests: Fluid mechanics, non-Newtonian fluid dynamics, multiphase flows and complex fluids

Courses: Thermodynamics, Complex Fluids and Multiphase Flows

Recent position/institution: Shapiro Postdoctoral Fellow, MIT

Education: B.S., Sharif University of Technology, Iran; M.S., Ph.D., University of California, Irvine

Why Notre Dame: *I came to Notre Dame because of its excellence in fluid mechanics, undergraduate education and its strong sense of community.*

Sadegh Dabiri

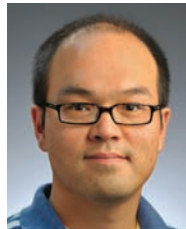


Research Assistant Professor, Aerospace and Mechanical Engineering
Interests: Computational fluid dynamics, multiphase flows
Recent position/institution: Postdoctoral Associate, MIT

Education: B.S., Sharif University of Technology, Iran; M.S., Ph.D., University of California, Irvine

Why Notre Dame: *I decided to come to the University of Notre Dame because of its commitment to advancing science and engineering, and also, its strong community in my interest area of fluid mechanics.*

Hyungrok Do



Assistant Professor, Aerospace and Mechanical Engineering
Interests: Plasma, combustion, hypersonics, scramjet engine
Recent position/institution: Postdoc, mechanical engineering,

Stanford University

Education: B.S., Seoul National University; M.S., Ph.D., Stanford University

Why Notre Dame: *I was fascinated by the spirit and vision of Notre Dame, its excellent faculty and students.*

Bertrand Hochwald



Freimann Professor, Electrical Engineering
Interests: Wireless communications and devices
Courses: Random Vectors, Detection, and Estimation
Recent position/institution: Vice

president, systems engineering, Beceem Communications (start-up in Silicon Valley)

Education: B.S., Swarthmore College; M.S., Duke University; M.A., Ph.D., Yale University

Why Notre Dame: *I chose to come to Notre Dame because of its collegial atmosphere and its commitment to excellence in scholarship.*

Scott S. Howard



Assistant Professor, Electrical Engineering
Interests: Photonics for medical imaging and diagnostics
Courses: Electromagnetic Fields and Waves 1, Fundamentals of Modern Optics

Recent position/institution: Postdoctoral Research Associate, Cornell University

Education: B.S.E.E., University of Notre Dame; Ph.D., Princeton University

Why Notre Dame: *I believe in Notre Dame's commitment to being a leader in both scientific research and undergraduate teaching. The incredible new facilities, collegial faculty and staff, and talented students create a productive and enjoyable work environment. My research dovetails well with new initiatives such as NDnano, ADT and the NDIIIF*

Dae Kun Kwon



Research Assistant Professor, Civil Engineering and Geological Sciences
Interests: Wind effects on structures; modeling and simulation of extreme winds; mitigation of natural hazards; structural health monitoring; Web-based e-technologies

Recent position/institution: Postdoctoral Research Associate, Department of Civil Engineering and Geological Sciences, University of Notre Dame

Education: B.S., Yonsei University; M.S., Ph.D., Korea Advanced Institute of Science and Technology

Why Notre Dame: *Having spent years at Notre Dame, I have felt very comfortable to continue my research owing to great environments in various aspects provided by the University, distinguished colleagues and talented students.*

Paolo Minero



Assistant Professor, Electrical Engineering
Interests: Analysis, design and control of wireless communication systems
Courses: Information Theory

Recent position/institution: Postdoctoral

scholar, University of California, San Diego

Education: B.Sc., Polytechnic of Turin; M.S., University of California, Berkeley; Ph.D., University of California, San Diego

Why Notre Dame: *Notre Dame is a great place to do research and teach. The electrical engineering department has top researchers working in the field of wireless communications.*

William A. Phillip



Assistant Professor, Chemical and Biomolecular Engineering
Interests: Fabrication, design and characterization of next-generation membranes for chemical separations at the water-energy nexus

Courses: Chemical Engineering Laboratory II

Recent position/institution: Postdoctoral Associate, Department of Chemical and Environmental Engineering, Yale University

Education: B.S., University of Notre Dame; Ph.D., University of Minnesota, Twin Cities

Why Notre Dame: *As an alumnus, I understand the commitment Notre Dame has to undergraduate education. As a researcher, I recognize the exciting science and technology developments occurring on campus. Being a faculty member allows me to contribute to both of these missions.*

Laurel Riek



Clare Boothe Luce Assistant Professor, Computer Science and Engineering
Interests: Robotics, social signal processing, assistive technology
Courses: Autonomous Robots

Recent position/institution: Research Assistant, University of Cambridge Computer Laboratory

Education: B.S., Carnegie Mellon University; Ph.D., University of Cambridge

Why Notre Dame: *I am thrilled to participate in the mission of "engineering for the greater good," and to join Notre Dame's vibrant research and teaching community.*

Raul Santelices



Instructor, Computer Science and Engineering
Interests: Software engineering, programming languages
Courses: Data Structures; software engineering

Recent position/institution: Research

Assistant at Georgia Institute of Technology

Education: Engineer, M.S., Pontificia Universidad Católica de Chile; Ph.D., Georgia Institute of Technology

Why Notre Dame: *I chose Notre Dame because of its academic excellence, human quality and culture of service to society. I also appreciate the Catholic nature of the University and its imprint on the work and growth of students, staff and*

faculty. I see Notre Dame as an excellent place to educate the next leaders in computing, to advance software engineering as a rigorous science based on my industrial and academic experiences, and to serve the community while exploiting the rich interdisciplinary culture at this university.

Fabio Semperlotti



Assistant Professor, Aerospace and Mechanical Engineering
Interests: Structural health monitoring and structural dynamics
Courses: Aerospace Structures

Recent position/institution: Research fellow, University of Michigan

Education: M.S., University of Rome "La Sapienza"; Ph.D., Pennsylvania State University

Why Notre Dame: *During my first visit to Notre Dame I was impressed by the research and teaching opportunities offered by the University. I am very excited to be joining the aerospace and mechanical engineering department, which counts many talented faculty and outstanding students.*

Satyajyoti Senapati

Research Assistant Professor, Chemical and Biomolecular Engineering

Interests: Micro- and nano-fluidic devices for point-of-care diagnostics

Recent position/institution: Postdoctoral research associate, University of Notre Dame

Education: M.Sc., Gauhati University, Assam, India; Ph.D., National Chemical Laboratory of Pune, India

Tim Stitt



Research Assistant Professor, Computer Science and Engineering, Center For Research Computing
Interests: High-performance computing
Recent position/institution: HPC

Applications Analyst, Swiss National Supercomputing Center, Switzerland

Education: B.S., Ph.D., Queen's University Belfast, Northern Ireland

Why Notre Dame: *I chose Notre Dame because of the excellent work being done by the staff at the CRC to promote and advance high-performance computing (both on campus and nationally) in tackling some of the most challenging problems in scientific research. Notre Dame also provides a warm, family-oriented environment that greatly complements the academic experience.*

Ashley P. Thrall



Cardinal John O'Hara Assistant Professor, Civil Engineering and Geological Sciences
Interests: Design and optimization of deployable structures
Courses: Structural Steel Design

Recent position/institution: Ph.D. candidate in the Department of Civil and Environmental Engineering, Princeton University

Education: B.A., Vassar College; M.S.E., Ph.D., Princeton University

Why Notre Dame: *Notre Dame offers an ideal combination of world-class scholarship and excellent standards in education. The department features a strong community of colleagues and students whom I look forward to working with in the future. I also found the University's view of research as service to be truly unique and inspiring.*

Jeremiah Zartman



Assistant Professor, Chemical and Biomolecular Engineering
Interests: Cell and tissue engineering, developmental biology, growth control, morphogenesis
Courses: Introduction to

Cellular and Tissue Engineering

Recent position/institution: Guest research scientist (postdoctoral researcher), Institute of Molecular Life Sciences, University of Zurich, Switzerland

Education: B.S., University of Colorado, Boulder; M.A., Ph.D., Princeton University

Why Notre Dame: *Notre Dame impressed me as a university of excellence in research and teaching. The opportunities and resources available as well*

as the high standards promoted by faculty and students made Notre Dame a very easy choice.

COLLEGE OF SCIENCE

Karen Imgrund Deak



Assistant Special Professional Faculty
Courses: Molecular Genetic Technology
Recent position/institution: Patent Agent, SNR Denton US LLC
Education: B.S., University of North

Carolina—Chapel Hill; Ph.D., University of Chicago

Why Notre Dame: Before coming to Notre Dame, I spent three years at a law firm, working on patent applications as a patent agent. A patent agent has passed the U.S. Patent Office's bar examination, and is allowed to practice patent law before the Patent Office, even though she has not gone to law school. I was recruited to Notre Dame to create and teach in a new program that will train patent agents.

James Dillon Delaney



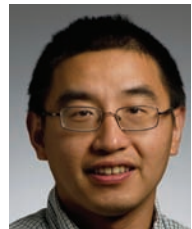
Assistant Professional Specialist, Applied and Computational Mathematics and Statistics
Interests: Engineering statistics; probability and statistics for risk management
Courses: Applied

Probability; Statistical Methods

Recent position/institution: Assistant Professor, Department of Statistics, Temple University

Education: B.A., Northwestern University; M.S., Georgia Institute of Technology; M.S., Ph.D., Georgia Institute of Technology
Why Notre Dame: Considering Notre Dame's international reputation for academic excellence and my interest in interdisciplinary quantitative problems, it seemed like the new Department of Applied and Computational Mathematics and Statistics would be a great place to teach statistics. Then when I visited Notre Dame, it felt as though I were at home and among family.

Haifeng Gao

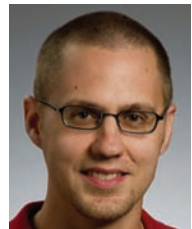


Assistant Professor, Chemistry and Biochemistry
Interests: Polymer chemistry and materials
Courses: Polymer Chemistry and Materials Science
Recent position/institution: Postdoctoral Fellow at University of California, Berkeley, and Lawrence Berkeley National Laboratory

Education: B.S., M.S., Fudan University, Shanghai, China; Ph.D., Carnegie Mellon University

Why Notre Dame: I chose the University of Notre Dame because I want to be part of its commitment to academic excellence. This is also a great place for young faculty members to develop their careers with balanced family life.

Alan Huebner



Assistant Professional Specialist, Applied and Computational Mathematics and Statistics
Interests: Educational statistics
Courses: Elements of Statistics; Managerial Statistics

Recent position/institution: Research Associate, ACT Inc.

Education: B.A., Concordia University Chicago; M.S., DePaul University; Ph.D., University of Illinois Urbana-Champaign
Why Notre Dame: I chose to come to Notre Dame because of its tradition of excellence in teaching and research.

Vlad M. Iluc



Assistant Professor, Chemistry and Biochemistry
Interests: Catalytic systems for activation and functionalization of inert molecules
Courses: Organometallic Chemistry

Recent position/institution: Postdoctoral

scholar at California Institute of Technology
Education: B.Sc., University Politehnica of Bucharest; M.Sc., Ph.D., University of Chicago
Why Notre Dame: I chose to come to Notre Dame because I was attracted by the outstanding teaching and research here. I look forward to pursuing my academic goals and to being a part of this wonderful community.

Galyna Krylova

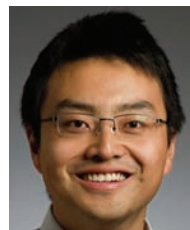


Research Assistant Professor, Chemistry and Biochemistry
Interests: Nanomaterials, catalysis
Recent position/institution: Postdoctoral, Argonne National Laboratory

Education: B.S., M.S., Chernivtsy National University, Ukraine; Ph.D., Institute of Surface Chemistry, National Academy of Sciences of Ukraine

Why Notre Dame: Notre Dame is one of the best universities in the Midwest.

Jiahua Li



Assistant Professor, Applied and Computational Mathematics and Statistics
Interests: Model selection, bioinformatics, time series analysis and finance
Courses: Statistical Inference

Recent position/institution: Research assistant, Department of Statistics, Pennsylvania State University

Education: B.S., Shanghai Jiaotong University; M.S., University of Florida; Ph.D., Pennsylvania State University

Why Notre Dame: Notre Dame is an excellent place to meet a group of outstanding scholars and talented students, and to raise a family. Moreover, the new ACMS department has an excellent balance between teaching and research, and provides valuable opportunities for young faculty members.

Fang Liu



Assistant Professor, Applied and Computational Mathematics and Statistics
Interests: Development of statistical methodology and its applications in biological, health, social, business and other scientific domains

Courses: Experimental Design

Recent position/institution: Senior Biometrician, Merck Research Labs

Education: B.S., Peking University; M.S., Iowa State University; Ph.D., University of Michigan

Why Notre Dame: The excitement of participating in building a new department in statistics, the opportunities to work with best students, and the opportunities to collaborate with top scientists in various fields.

Edwin Michael



Professor, Biological Sciences
Interests: Disease epidemiology with focus on mathematical modeling, disease ecology, climate change and intervention analyses
Courses: Modern

Infectious Disease Epidemiology (undergraduate senior level); Global Health Challenges (graduate level)

Recent position/institution: Senior Lecturer, Imperial College London, U.K.

Education: B.Sc., M.Sc., Madras University, India; Ph.D., University of London, U.K.

Why Notre Dame: I was attracted by Notre Dame's ambition to develop world-class research in the area of global health, the University's commitment to creating an environment for conducting leading-edge interdisciplinary work, and the real desire to use knowledge toward bettering the world.

Miguel A. Morales



Assistant Professor, Biological Sciences
Interests: Molecular parasitology and proteomics
Courses: Topics in Infectious Diseases
Recent position/institution: Research

Associate, Pasteur Institute, Paris, France; Postdoctoral Fellow, New York University
Education: M.Sc., Ph.D., Complutense University, Madrid, Spain
Why Notre Dame: Very simple: great values, welcoming environment, excellent colleagues and ambitious goals.

Jun Peng



Research Assistant Professor, Chemistry and Biochemistry (Harper Cancer Research Institute)
Interests: Cancer research using gene knockout mouse model
Recent position/institution: Project staff,

Cleveland Clinic

Education: M.D., Hebei Medical University; M.Sc., Peking Union Medical College and Chinese Academy of Medical Sciences

Why Notre Dame: I am very proud of being a member of the Notre Dame community. I like to learn from others and contribute my knowledge to fight cancer and make our life more beautiful.

Gregory Ragland



Research Assistant Professor, Environmental Change Initiative
Interests: Evolutionary physiology
Recent position/institution: Postdoctoral Associate, University of Florida

Education: B.A., University of San Diego; M.S., Washington State University; Ph.D., University of North Carolina

Why Notre Dame: I accepted a position at Notre Dame because the University provides excellent research support, high caliber students, and a diverse and talented group of colleagues.

Matthew J. Ravosa



Professor, Biological Sciences
Interests: Evolutionary morphology and pathobiology of the mammalian skull, feeding apparatus and musculoskeletal system
Courses: Undergraduate

anatomy; graduate seminars in evolution and bone biology

Recent position/institution: Professor of Pathology and Anatomical Sciences, University of Missouri School of Medicine

Education: B.A., University of Rochester; M.A., Northwestern University; Ph.D., Northwestern University; Postdoc, Duke University Medical Center

Why Notre Dame: Initially, my wife was recruited to be the scientific director of the Harper Cancer Research Institute. Upon interviewing at Notre Dame, I became excited about the many campus initiatives and myriad possibilities for integrative research, particularly those opportunities that cross the traditional boundaries of scientific disciplines.

M. Sharon Stack



Professor, Biological Sciences (Harper Cancer Research Institute)
Interests: Proteinase regulation, tumor progression and metastasis
Recent position/institution: Professor and Vice Chair for Research,

Department of Pathology, University of Missouri School of Medicine, Columbia
Education: B.S., Clemson University; M.S., East Tennessee State University; Ph.D., University of Louisville; Postdoc, Duke University

Why Notre Dame: My position provides a unique opportunity to promote basic cancer research involving the strong scientific community at Notre Dame and IUSB-SM, together with local clinical partners. I am pleased to inaugurate the Harper Cancer Research Institute as an outstanding resource for innovative and integrative cancer research.

Zain Syed



Assistant Professor, Biological Sciences
Interests: Sensory physiology, behavior, neurogenetics of olfaction
Courses: Neurobiology of sensory systems
Recent position/institution: Postdoctoral

researcher, University of California, Davis
Education: B.Sc., Osmania University, India; M.Sc., Aligarh Muslim University, India; Ph.D., University of Neuchatel, Switzerland
Why Notre Dame: Biological sciences department faculty at the Notre Dame have been at the forefront of studying various aspects of insects: ecology, epidemiology and genome sequencing of important vectors. With my expertise in chemical ecology, sensory physiology and organismal behavior, I am looking forward to developing exciting collaborations across disciplines, and offering a great platform for students to develop and translate their ideas.

Gabor Szekelyhidi



Howard J. Kenna, C.S.C., Assistant Professor of Mathematics
Interests: Complex geometry
Courses: Elements of Calculus I
Recent position/institution: Ritt Assistant

Professor, Columbia University

Education: B.A., M.A., Trinity College, University of Cambridge, U.K.; Ph.D., Imperial College London

Why Notre Dame: I was attracted to Notre Dame because of the great math department and especially the geometry group. Moreover, visiting the campus, I really enjoyed the atmosphere of the University as a whole.

Pamela Tamez



Research Assistant Professor, Biological Sciences
Interests: Molecular interactions between human host and malaria parasite
Recent position/institution: Research

Associate, University of Notre Dame

Education: B.A., Northwestern University; Ph.D., University of Illinois at Chicago

Why Notre Dame: Notre Dame is investing a great deal of resources to build research capacity.

Dominic O. Vachon



Director, Ruth M. Hillebrand Center for Compassionate Care in Medicine
Interests: Psychology and spirituality of caring in the helping professions
Courses: Medical Counseling Skills;

Compassionate Care in the Medical Professions; Spiritualities of Caring in the Helping Professions; Fundamentals of Pastoral Counseling

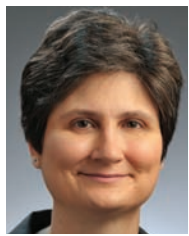
Recent position/institution: Director of Behavioral Medicine and Caring Science Training, St. Joseph Regional Medical Center Family Medicine Residency Program

Education: B.A., M.Div., University of Notre Dame; Ph.D., Loyola University of Chicago

Why Notre Dame: The Ruth M. Hillebrand Center for Compassionate Care in Medicine at Notre Dame is dedicated to laying a foundation of compassionate care and patient-physician interpersonal skills for students aspiring to medical professions. I am very committed to the field of caring science and the helping professions and so this opportunity is what led me to return to Notre Dame.

LAW SCHOOL

Jodi Clifford



Associate Professional Specialist and Director, Intellectual Property and Entrepreneurship Clinic
Recent position/institution: Patent Attorney at Thompson Hine LLP in Cleveland, Ohio

Education: B.S., The Ohio State University; J.D., University of Virginia School of Law
Why Notre Dame: *I was drawn to Notre Dame based upon the quality and character of the institution and the people, and have been tremendously impressed with the faculty, staff and students that I have met here. I will be developing a new clinical law program, designed to provide students the opportunity to apply intellectual property law in a real-world environment. I am excited by the potential and the challenge of creating a program that will allow law students to gain valuable experience working with clients.*

Bruce Huber



Associate Professor
Interests: Environmental and natural resources law, energy law
Courses: Energy Law, Property
Recent position/institution: Visiting Assistant Professor,

Dartmouth College
Education: A.B., Stanford University; J.D., M.A., Ph.D., political science, University of California, Berkeley
Why Notre Dame: *I have long admired Notre Dame's commitment to the integration of faith and reason. I'm honored to have the opportunity to join such an important tradition.*

James J. Kelly Jr.



Clinical Professor of Law, Notre Dame Legal Aid Clinic
Interests: Real property and nonprofit law issues raised by community control of land resources, especially title clearing, land banking and

community land trusts
Courses: Legal Aid I & Ethics; Legal Aid II
Recent position/institution: Visiting Professor of Law, Washington and Lee University
Education: B.A., The University of Virginia; J.D., Columbia University
Why Notre Dame: *As a teacher of new transactional lawyers, I want my students to learn how to support ventures that create social justice and further the common good. I chose to come to Notre Dame because here the authentic connection with those most vulnerable is at the heart of what we understand to be excellence.*

Randy J. Kozel



Associate Professor of Law
Interests: Freedom of speech, legal change, contract law
Courses: Contracts; Freedom of Speech
Recent position/institution: Special Counsel, General Electric

Co.
Education: B.B.A., University of Wisconsin, Madison; J.D., Harvard Law School
Why Notre Dame: *I came to Notre Dame to join a community of ideas, a community of service, and a community of faith.*

Avishalom Tor



Professor of Law
Interests: My main research focus is the study of competitive and cooperative behaviors in market settings and their legal regulation by the antitrust laws.
Courses: Behavioral

analysis of law; antitrust, technology and intellectual property; seminar on corporate governance
Recent position/institution: Senior Lecturer, University of Haifa Faculty of Law
Education: LL.B., B.A., The Hebrew University of Jerusalem; LL.M., S.J.D., Harvard Law School
Why Notre Dame: *I was attracted to Notre Dame Law School by its unique combination of exceptionally collegial faculty and a lively, research-oriented, intellectual atmosphere.*

MENDOZA COLLEGE OF BUSINESS

Wendy Angst



Associate Professional Specialist, Management
Interests: Health information technology
Courses: Business Problem Solving; Commercialization Analytics; Principles of Management

Recent position/institution: CEO of CapMed
Education: B.S., Michigan State University; M.H.A., University of La Verne
Why Notre Dame: *Notre Dame embodies value-driven leadership. I am honored to be a part of the Notre Dame family to help shape business for good.*

Benjamin Golez



Assistant Professor, Finance
Interests: Asset pricing, derivatives
Courses: Investments
Recent position/institution: Ph.D. candidate, Universitat Pompeu Fabra

Education: B.Sc., University of Ljubljana, Slovenia; M.Sc., Ph.D., Universitat Pompeu Fabra
Why Notre Dame: *Research focus of the finance department combined with the collegial atmosphere of its faculty make Mendoza College of Business a stimulating academic environment, in which I believe I can successfully develop my research and teaching potential.*

Timothy A. Judge



Franklin D. Schurz Chair, Management
Interests: Personality, job attitudes, leadership
Courses: Management Competencies; Leadership and Decision Making
Recent position/institution: Matherly-

McKethan Eminent Scholar, University of Florida
Education: B.B.A., University of Iowa; M.A., Ph.D., University of Illinois at Urbana-Champaign
Why Notre Dame: *I came to Notre Dame because of the strength and diversity of faculty, the excellent students and the positive culture that I have experienced many times over since coming here. I hope, in my own small way, to help advance the University's commitment to teaching, research and service.*

Srikanth Sarathy



Assistant Professional Specialist, Management
Interests: Use of Lean and Six Sigma methodology for process improvement
Courses: Process Analytics (MBA); Process Analytics; Business Statistics
Recent position/institution: Owned my own company doing engineering services and consulting in Lean/Six Sigma and Operational Excellence

Education: B.S., Bangalore University, India; M.S., MBA, Georgia Tech
Why Notre Dame: *I have always considered myself a teacher, and so am excited to be at Notre Dame where educating and teaching students is given high importance.*

Adam Wowak



Assistant Professor, Management
Interests: Strategic management, with a focus on top executives and their effects on organizational outcomes
Courses: Strategic management

Recent position/institution: Ph.D., Pennsylvania State University
Education: B.S., Ph.D., Pennsylvania State University
Why Notre Dame: *I was initially attracted to Notre Dame because of its reputation for research and teaching excellence, but what ultimately impressed me the most was the sense of community that seems to pervade every part of the University. I count myself very fortunate to be joining such a special place.*

KROC INSTITUTE

Pamina Firchow



Associate Director of Doctoral Studies, Kroc Institute for International Peace Studies
Interests: Security and development, transitional justice, theories of revolution, Latin America
Courses: Development and Conflict, Proseminar 1 and 2 (with Asher Kaufman)

Recent position/institution: Adjunct Research Assistant Professor, University of Minnesota
Education: B.A., Carleton College; M.Sc., London School of Economics; M.A., Universidad del Salvador, Buenos Aires, Argentina; Ph.D., Graduate Institute of International and Development Studies, Geneva, Switzerland
Why Notre Dame: *I chose Notre Dame because of its commitment to research, teaching and service and because I believe in the mission of the Kroc Institute to be a leader in the field of peace research. The opportunity to help shape the field through creating and managing a top Ph.D. program in the field is an exciting prospect.*

GRADUATE SCHOOL

John Lubker



Associate Professional Specialist, Associate Dean of Students, Graduate School
Interests: Professional issues in sport psychology with a special focus on supervision practices
Recent position/institution: Associate Professor of Sports and Exercise Sciences and Associate Dean of College of Nursing and Health Sciences, West Texas A&M University

Education: B.A., University of Notre Dame; M.A., Ed.S., James Madison University; Ed.D., West Virginia University
Why Notre Dame: *As an alumnus of Notre Dame, I have the opportunity to give back to the university that has meant so much to me. I am excited to be in a position where I am able to work closely with both graduate students and administrators in achieving the educational mission of Notre Dame.*



IRISH GUARD

The Irish Guard on the Hesburgh Library Mall. The Guard's 10 six-foot-two, kilt-wearing members march in front of the band, and have duties including raising the American flag while spectators sing "The Star-Spangled Banner."

Prints of this and other special-edition football season photos are available, with a 30 percent discount on orders placed through the end of bowl season. See the gallery at photos.nd.edu.

SERVICE ANNIVERSARIES

The University congratulates the following employees who celebrate significant anniversaries in September, including 55-year employee **Robert E. Rodes**, law school.



Rodes

45 years

Brian B. Smyth, mathematics

40 years

Donald P. McNeill,
Institute for Latino Studies
Peter R. Moody,
political science

35 years

Joan Aldous, sociology
Ian C. Carmichael,
chemistry and biochemistry
John A. Halloran, finance
David J. Ladouceur, Classics
Dennis W. Moran,
Review of Politics

30 years

Craig J. Cramer and
Paul G. Johnson, music
George S. Howard,
psychology
Patricia A. O'Hara and
John. H. Robinson,
law school
William A. O'Rourke, English
Nancy K. Stanton,
mathematics
Michael R. Welch, sociology

25 years

John F. Affleck-Graves, Office of
the Executive Vice President
Sotirios A. Barber,
political science
Rachel N. Boyd and
Rita D. Erskine,
University Libraries
Jorge A. Bustamante,
J. Samuel Valenzuela and
Richard A. Williams,
sociology
Martine M. De Ridder,
Hesburgh Program
Christopher Fox, English
Eugene F. Gorski and
Joseph P. Wawrykow, theology
Mark A. Hoisington,
Food Services
Bill G. Jackson,
Jimmy Troupe and
Debra E. Williams,
Custodial Services
Carlos Jerez-Farrán, Romance
languages and literatures
Michael Langthorne,
IT administrative services
Mihir Sen, aerospace and
mechanical engineering
Stephan A. Stolz, mathematics
Fanny R. Wheeler, electrical
engineering

20 years

Joan M. Clark, international
studies
James P. Fraleigh, athletic
community relations
Tina L. Lane,
St. Michael's Laundry
Tessa M. McGann, Office of the
Chief Information Officer
Elaine Mitchem, parking services
Karen M. Pace, Office of
Research

Benjamin Raddliff,
political science
Sally J. Sorberg,
Hammes Bookstore

15 years

LeAnn A. Balko, Health Services
Karen D. Benninghoff,
St. Michael's Laundry
Cassandra J. Brown,
North Dining Hall
Barbara A. Davey,
Risk Management and Safety
Stephen N. Gibson,
athletic grounds
Tonie Gryscha and
Patrick J. Holdeman, security
Jeffrey J. Hanrahan,
Enterprise Systems
Beth G. Klein, Library Law
Mary K. LaViolette and
Susan P. Prister, development
Paula J. McDonald,
University Libraries
Ross F. Olling, Morris Inn
Leonarda B. Peppers,
Custodial Services
Catherine F. Pieronek,
College of Engineering
Brenda L. Teshka,
University Relations
Gina M. Thundy, Admissions
Kimberly S. Wood, Huddle

10 years

Jeannette Bybee and
Carla K. May, Naval Science
Victoria Chidister and
Leticia Robledo,
Custodial Services
Timothy Coryn, Loftus Center
Amy Geist, student activities
Kara Kelly, School of Architecture
Judith K. Liudahl,
College of Engineering
Linda V. Martellaro, registrar

Christopher Masters,
Sports Information Office
Herbert L. Maxwell and
Monisha Spann, Morris Inn
Eric L. Morgan,
University Libraries
Erin E. Putt, Human Resources
Elizabeth Reagan, International
Studies
Douglas Schlagel, Office of the
University Architect
Joseph M. Schlosberg,
women's rowing
Matt Tallman, men's swimming
Pamela J. Wallace,
Corby food services
Deborah J. Watts, financial aid
Sophie K. White,
American studies

Sarah G. Dalton,
women's lacrosse
John Davidhizar,
Audit and Advisory Services
Julie Deschaine, athletics
facilities and HR
Heather V. DeWitt, ND
Environmental Change Initiative
Akilah Dixon, University
Libraries
Russell J. Dorn, athletics
media relations
Sheila R. Fell, DCL services
Joshua E. Flynt, athletic events
Michael F. Glaser, chemical
and biomolecular engineering
Jacob Goldsmith,
University Counseling Center
Melinda Gormley,
Reilly Center
William M. Graham, Reckers
John Guimond, Center for
Social Concerns
Amanda Hall, academic
services for student athletes
Amanda Hammond,
pre-college programs
Brian D. Haydt, Army Science
Jeffrey D. Holdeman, physics
Nermin Kbrekic, Food Services
Chris A. Jones, Arts and Letters
computing
Darla Karafa, Arts and Letters
Christopher J. Klein,
Multicultural Student
Programs and Services
Erica R. Klein, residence halls
Holly N. Klejeski, Law Library
Manuela Karin LeClair,
Kroc Institute
Matt D. Lemmond,
marketing communications
Xiaomin Liu and Colleen R.
Vermeulen, financial aid
Lori L. Loftis,
Office of Research
Madeline Mann,
Catering by Design
Grace V. McBeth, psychology
Michael F. McNeill, Compton
Family Ice Arena
Joshua J. Wilson, student
center programming

NEW EMPLOYEES

The University welcomes new employees who began work in July and August:

Matthew D. Abrams and
Allison J. Kozonis, University
Counseling Center
Ryan Ayala, Campus Ministry
Barbara Bartkowiak and
Adam W. Freehling,
Enterprise Systems
Jennifer L. Beck and Natalie K.
Munn, biological sciences
Kevin Birch, human resources
Perrine S. Blakley, Kelly A.
Hofferth and Linsey
Laufenberg, development
Jose L. Botello, Frances Dossey,
Jeffrey H. Lear, Celia Manriquez
and **Melinda McCrum**,
Custodial Services
Maclovio M. Cantu, Morris Inn
Michael S. Chichello, finance
Heather L. Cook, political science
Rochelle S. Cotter, registrar

Women & Spirit: Catholic Sisters in America

Exhibition at Center for History represents 400 religious communities

BY NATALIE DAVIS MILLER, FOR NDWORKS

"Women answering a need, women going where they have never been before, women leading women in spirit..." These are the words used by Helen Maher Garvey, to describe both the exhibit and the women featured there at the opening ceremony of "Women & Spirit: Catholic Sisters in America."

The Center for History (808 W. Washington St., South Bend, 574-235-9664) will host the traveling exhibition through Dec. 31. The exhibition was made possible with support from Notre Dame, Saint Mary's College and the Center for History, and entrance to the exhibition is free for Notre Dame and Saint Mary's faculty, staff and students with a valid ID card.

"I knew immediately that 'Women & Spirit' was an outstanding opportunity to tell a story of national significance, and I am proud and

pleased that the Center for History was selected as a venue," says **Randy Ray**, executive director of the Center for History.

The exhibit is based on the contributions of women religious in America spanning nearly 300 years. What began with 12 Ursuline sisters, arriving in New Orleans from France in 1727, has grown into a rich heritage of sisters making a difference in people's lives.

Information, photographs and 70 artifacts from 400 religious communities have been brought together in a beautifully designed modular display featuring printed material on birch walls. The exhibit covers 5,000 square feet of space at the Center for History, and includes an introductory video projection, oral history listening stations and videos.

Visitors can view a letter from Thomas Jefferson (a replica, because the original is too fragile to travel the country); a small wax figure of the infant Jesus, dated in the 1870s; and letters from mothers who left their children at the New York Foundling orphanage in the same time period. Other artifacts include a Civil War-

era medical bag, musical instruments and period clothing.

The exhibit focuses on the work of the sisters in education, nursing, orphanages, and in social justice issues. While it may be surprising to know that some orders owned slaves, it may come as no surprise to view a photo of sisters marching at the 1965 Civil Rights march on Selma, Ala.

The national exhibition was made possible with sponsorship from the Leadership Conference of Women Religious and in association with the Cincinnati Museum Center.

"One of the best things about 'Women & Spirit' appearance here in South Bend is the partnership that made it



A Sister of Charity cares for an infant at the New York Foundling Hospital, c. 1920.

PHOTO PROVIDED

possible," says **Kathleen Sprows Cummings**, associate director, Cushwa Center for the Study of American Catholicism.

"The importance of Saint Mary's is self-evident—it is perfectly fitting that an institution founded and animated by Catholic sisters, a place that has played such a storied role in Catholic women's history, would be a sponsoring partner. But it is also symbolically significant that Notre Dame joined this partnership, as its investment in 'Women & Spirit' underscores that the history on view is not simply about—and important to—women. Indeed, women's work has been and remains absolutely vital to the work of the Catholic Church."

Cummings also notes that the exhibition brings to light that "the history narrated here is not only about and for Catholics, but as the exhibit proclaims, a truly 'American story.'"

Events in conjunction with the exhibition include lectures and a film series. For a complete list of events, visit centerforhistory.org.



STUDENT JOBS TEAM

The development of a new system for managing student employment streamlined a time-intensive, inefficient paper process for managing more than 6,000 student jobs.

The efforts of this work team increased accuracy and decreased processing time; reduced errors by automating the system; reduced administrative time and effort by eliminating manual, paper-based systems; and enhanced sustainability by reducing the use of paper and other supplies.

The project was delivered ahead of schedule, and increased beyond the original scope of the project—processing graduate stipends and tuition scholarships—to include the processing of graduate hourly jobs as well as stipend and hourly undergraduate jobs.

This high-performing team, comprising staff from the Office of Information Technology, Student Financial Services and Payroll, came together to benefit students and achieve outstanding efficiency improvements for the University.

Epitomizing the University's core values of teamwork, integrity, accountability, leadership in mission and leadership in excellence is the Student Jobs Team, recipients of the Presidential Team Irish Award.

Team members: Susan Antonovitz, Sue Brandt, Brian Flaherty, Shelin Mathews, Kate Merkle, Lori Moser, Janet Shulaw, Vicki Toombs, Anne Veselik, Sue Walczewski.



MORRIS INN HOUSEKEEPING AND MAINTENANCE

Snap, crackle, pop! It's not the sound of milk over your cereal—it's what Morris Inn director Bill Beirne wants to see when he opens the door to a guest room at the Morris Inn. "It's got to be crisp, it's got to be clean, it's got to be sharp," says Beirne. "It's the moment of truth in the hospitality industry. It sets the tone for your entire stay."

The Morris Inn is a full-service hotel with 92 guest rooms. Out of nearly 3,500 guest surveys over a two-year period, the Morris Inn Housekeeping and Maintenance team received an average rating of 4.75 out of 5 for the cleanliness of the rooms and baths. The team takes pride in the quality and consistency of its work, striving to provide an outstanding experience for every guest.

Epitomizing Notre Dame's core values of teamwork, integrity, accountability, leadership in mission and leadership in excellence, the Morris Inn Housekeeping and Maintenance Team is the recipient of the Presidential Team Irish Award.

Gloria Allen, Barbara Babbs, Pam Borsodi, Sheila Breining, Dora Calvillo, Mike Cantu, Lori Caradine, Evelyn Davis, Hardy Jones, Angela Juarez, Sherida King, David Konkey, Cruz Madera, Herb Maxwell, Jennifer Schlabach, Angelina Simental, Charles Shakes, Fay Smith, Kazumi Smith, William Vandygriff.



Get Engaged with Irish Health the annual employee wellness fair

Tuesday, Oct. 18 • noon to 7 p.m. and Wednesday, Oct. 19 • 7 a.m. to 11 a.m.
Rolf's Sports Recreation Center

FAIR HIGHLIGHTS

Massage and T'ai Chi
Cooking demo
Flu shots
Healthy snacks
Golf swing analysis
And more ...

ON-CAMPUS REPRESENTATIVES

Human Resources
RecSports
Food Services
Notre Dame Security Police
McDonald Physical Therapy
And more ...

BENEFIT VENDORS

Select Health Network
Community Health Alliance
TIAA-CREF
Medco
Meritain
And more ...

hr.nd.edu/work-life-balance/healthy-campus

A Notre Dame fabric tote will be given to the first 1,000 visitors!