The Wharton School of the University of Pennsylvania is pleased to announce that Ken Moelis, W’80, WG’81, and Julie Taffet Moelis, W’81, have made a $10 million gift to establish the Ken Moelis and Julie Taffet Moelis Advance Access Program, a deferred admission opportunity that will provide a pathway to a Wharton MBA for highly-qualified Penn undergraduates whose academic and career interests expand traditional notions of business education.

The program adds to the School’s existing Submatriculation Program with a deferred-enrollment plan for the most competitive candidates, enabling them to apply and gain guaranteed admission as undergraduates, work for several years, and return to Wharton for their MBA. It opens access to all Penn undergraduate students who aspire to set the stage early for their advanced education and highly successful careers.

Ultimately, the program will expand to allow applications from the best undergraduate institutions across the United States and around the world.

“We strive to adapt and continue to draw the best and the brightest to Wharton, preparing them to become leaders and trendsetters in today’s rapidly changing environment,” said Wharton Dean Geoffrey Garrett. “Ken and Julie are helping us do just that—reimagining the Wharton Submatriculation Program so that it provides a new route to the Wharton MBA for outstanding undergraduates from all academic backgrounds, one that nurtures exploration, strategic risk-taking, and discovery, and enables our students to use their business education to change the world.”

In the Moelis Advance Access Program, undergraduate graduates may apply to the MBA Program during their senior year and, for those admitted, enter the workforce for two to four years before returning to Wharton for graduate school. During this time, students will be empowered to pursue job opportunities in a range of fields, including those that capture their greatest interest and extend beyond the conventional definitions of business. They will also engage in the program and with their future classmates through professional development, mentoring opportunities, and social events.

“In my personal experience as a submatic student, and now as CEO of a firm that recruits top MBAs from across the country, it is clear that ambitious students with unique aspirations do not fit the conventional definitions of business. They will also engage in the program and with their future classmates through professional development, mentoring opportunities, and social events.

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“For me, this is the most important gift I could imagine giving to Penn—because it will enable us to recruit students who will change the world. And it will enable Wharton to become a true global leader in business education.”

$3 Million Gift to Establish the Ralph L. Brinster President’s Distinguished Professorship in Honor of National Medal of Science Laureate

Through the generosity of Henrietta Alexander, Penn Vet will establish the Ralph L. Brinster President’s Distinguished Professorship in honor of Ralph Brinster, renowned faculty member, scientist and National Medal of Science laureate. The Professorship will allow Penn Vet to recruit a faculty member who will contribute to the preeminence of the School and University. The $3 million gift exemplifies Henrietta Alexander’s ongoing commitment to animal and human health, and further extends her family’s rich history at the University of Pennsylvania, dating back to the late 19th century, when Ms. Alexander’s great-grandfather, John B. Deaver, graduated from Penn’s School of Medicine.

“I wanted to make a gift that would have lasting impact, and Penn Vet was an obvious choice given my long-standing relationship with Dr. Brinster through the Kleberg Foundation, and my family’s long legacy at Penn Medicine,” said Ms. Alexander. “It is an expression of both my ongoing confidence in Penn Vet and my admiration for Dr. Brinster. His transformative work has set global standards in research and innovation in animal and human health.”

The Professorship is named for Ralph Brinster, the Richard King Mellon Professor of Reproductive Physiology at Penn Vet and a trailblazer in the development of techniques for manipulating the cellular and genetic composition of animal cells. The work of the Brinster lab has been foundational in the development of gene therapy and other technologies that have revolutionized medicine.

“Through this generous gift, Henrietta Alexander is helping us to achieve our goal of establishing the most impactful research program for animal health in the world,” said Dr. Brinster. “This professorship will enable us to bring in top talent and to cultivate the next generation of leaders in animal health research.”

In this issue:
2 Death; McCabe Fund Awards; Council Agenda Excellence through Diversity Fund Call
3 Penn’s Urban Campus: Now An Arboretum
6 Penn Museum Celebrates Rome’s Birthday
7 Total Rewards in Focus; SP2 Top Ten Talk: Creating Canopy Tree Giveaway; Update; CrimeStats
8 Research Roundup

(continued on page 3)
John Ethel (May) Dunn, Dining

John Ethel (May) Dunn, a retired Penn Dining employee, died on March 20. She was 72.
Ms. Dunn worked for more than 40 years at Penn Dining, most of those years in Stouffer Dining, before retiring in 2006. She joined the 25 Year Club in 1989 (Almanac October 31, 1989).
Ms. Dunn was recognized in a 1997 Daily Pennsylvania article for her dedication to the position as a unit leader and supervisor. The article detailed the pride Ms. Dunn took in her work, in everything from carving fruits and vegetables into intricate shapes, to inspiring other employees (http://www.shdp.com/index.php/article/1997/01/stouffer_worker_turns_foods_into_culinary_art).
She is survived by her son, Tyrone; daughter, Carol; granddaughter, Tyeisha and grandson, Rafael.

Eric C. Schneider, History and Urban Studies

Eric C. Schneider, assistant dean and associate director for academic affairs and adjunct professor of history in the School of Arts & Sciences at the University of Pennsylvania, died on March 22 after a struggle with cancer. He was 66 years old.
Dr. Schneider earned a BA in history from Fordham University in 1972, an MA in American history from Boston University in 1974 and a PhD in American history from Boston University in 1980.
He joined Penn in 1987 as assistant dean of the College of Arts & Sciences. He also taught as a lecturer in the urban studies program in 1989; as adjunct assistant professor in the American civilization department from 1990-1994; and then became an adjunct assistant professor in the department of history in 1994.
In 1998 he also became associate director for academic affairs in the College of Arts & Sciences.
He previously held administrative positions with the Delaware Humanities Forum in Wilmington and the American History Workshop in Brooklyn, New York; and teaching positions at Rutgers University, University of Delaware and Boston University.
Dr. Schneider was the author of several books, and received the Kenneth Jackson Award for Best Book in North American History from the Urban History Association for Smack: Heroin and the American City (Almanac December 8, 2009).
He is survived by his wife, Janet Golden, and sons, Alex and Ben.

From the Office of the University Secretary

University Council Meeting Agenda
Wednesday, April 19, 2017 4 p.m.
Bodek Lounge, Houston Hall

I. Approval of the minutes of March 22, 2017, 1 minute
II. Follow up comments or questions on Status Reports. 10 minutes
III. Summary reports by Council Committee Chairs. 40 minutes
IV. Report of the University Committee on Faculty Affairs. 10 minutes
V. Discussion of possible Focus Issues for next year. 10 minutes
VI. New Business. 5 minutes
VII. Adjournment.

McCabe Fund Awards for FY 2017

Perelman School of Medicine
Call for Applications: May 15

The McCabe Fund Advisory Committee is calling for applications from junior faculty in the Perelman School of Medicine (PSOM) and the School of Veterinary Medicine for the annual Thomas B. and Jeanette E. Laws McCabe Fund Fellow and Pilot awards. The McCabe awards were established in 1969 by a generous gift from Thomas B. and Jeanette E. Laws McCabe to the Perelman School of Medicine. The purpose of this gift is to support junior faculty who initiate fresh and innovative biomedical, clinical, and surgical research projects. Eligible faculty are those who have received either limited or no external research funding while in their first through third years on the faculty at the PSOM or the School of Veterinary Medicine at Penn. Junior faculty in these schools should contact their department chair for information and application forms. The guidelines and instructions to determine eligibility are also available on the PSOM website: http://www.med.upenn.edu/evd/research/mccabefundawardprogram.html

The deadline for submission is Monday, May 15.
The McCabe Fund Advisory Committee will select the winners at its annual meeting in June.

McCabe Fund Awards for 2017

Last year there were three winners of Fellow Awards of $40,000 each:

Rumela Chakrabarti, biomedical sciences, School of Veterinary Medicine;
Sandra Maday, neuroscience, PSOM; and
Zarinu Ali, neurosurgery

The McCabe Fund Advisory Committee will select the winners at its annual meeting in June.

Perelman School of Medicine

Excellence through Diversity Fund:
Call for Proposals: May 12

Penn is pleased to call for proposals for the Excellence through Diversity Fund. The Fund, announced in the Penn Action Plan for Faculty Diversity and Excellence (Almanac September 6, 2011), will provide resources for interdisciplinary projects of Penn faculty on topics relating to equity, inclusion and diversity, with the goal of strengthening the Penn curriculum in these areas and recognizing excellence in these important fields of inquiry. Funds will be awarded to the Schools competitively, on a matching basis, to provide needed term resources to launch new efforts or strengthen existing ones, beginning July 1, 2017. Proposals should include a description of efforts to obtain funding from other sources.

The Fund may support:

• Implementation of Schools’ strategic plans to diversify faculty and student populations;
• Research on equity, inclusion and diversity in higher education;
• Projects that foster and support diversity on the campus;
• Faculty work on projects aimed at advancing the ideals of the Penn Compact as they relate to increased access of students and faculty.

Criteria for Review

Evaluation will be based on the following criteria:

• Relationship to the aims of the Fund as described above;
• For projects aimed at diversifying the campus environment, clarity of goals and procedures and presence of an evaluation plan;
• Potential for sustainability and/or impact over time with school, center, or external funding, particularly as demonstrated by matching funds;
• Likelihood of generating new insights about diversity in higher education;
• Presence of a realistic and sufficiently detailed budget;
• Potential for sustainable partnerships among schools, departments, or university programs.

Review Process

The Fund will be administered by the Office of the Vice Provost for Faculty. Proposals will be reviewed for scholarly merit and significance for diversity research, teaching and service. Priority will be given to innovative designs and to plans that involve multiple Schools.
Proposals are due by May 12, 2017.
Applications must include:

• A completed ETDF Budget Form, available with PennKey at: https://upenn.box.com/s/0jrjsx2qpydnuynzg1zyzckgpeiuw1q69;

• A completed ETDF Cover Sheet (with all signatures) and Proposal Form; available with PennKey at https://upenn.box.com/s/d0d5jd9htmlzmk7r59xwvxzpke9nkgy4, including: background; work to be undertaken; ability to enhance Penn’s teaching, research and engagement on issues relating to equity inclusion, and diversity; and demonstrated interdisciplinary linkages;
• Brief biographies of faculty members involved in the project; Limit to key faculty; CVs are not required;
• Evidence of additional funding from institutional or external sources;
• Outlook for the future of the project (continued activity and external funding);
• For conference support: a description of the purpose of the meeting; a proposed program agenda and list of presenters; the names of Penn faculty organizing the meeting; the number of Penn students and faculty expected to attend; an explanation of the benefit to Penn students and faculty; an explanation of the benefit to scholarly remarks or research programs at Penn; an explanation of the relationship of the meeting to department, institute, or center programs.

Submission

Email a complete PDF, including signed ETDF Cover Sheet, Proposal Form, and Budget Form, to provost-fac@upenn.edu no later than May 12. The name of the PDF must be the last name of the PI. At the conclusion of a project, the PI is expected to submit a DIP Assessment form to report the use of the funding.

To Report A Death

Almanac appreciates being informed of the deaths of current and former faculty and staff members, students and other members of the University community. Call (215) 898-5274 or email almanac@upenn.edu

However, notices of alumni deaths should be directed to the Alumni Records Office at Room 517, Franklin Building, (215) 898-8136 or email record@ben.dev.upenn.edu

2 www.upenn.edu/almanac

ALMANAC April 11, 2017
always benefit from the one-size-fits-all track for MBAs,” said Mr. Moelis. “Julie and I are excited to unlock the potential of these select students—to help them consider an expanded view of the fields that need their leadership and gain valuable, practical experience after completing their undergraduate degree and before starting their MBA.”

Mr. and Mrs. Moelis’ generosity will also provide financial assistance for these select students in this program. Students in the program will be considered for a $10,000 fellowship each year during the two-year full-time MBA program in addition to other financial aid awards.

The Moelis Advance Access Program helps Penn retain exceptionally talented students from across the University—the College of Arts and Sciences, the School of Engineering and Applied Science, the School of Nursing, the Wharton School, and coordinated dual-degree programs—to continue their graduate degree at Penn through the MBA program. In the future, adding to the Penn students in the program, it will provide an amazing and elite opportunity for outstanding students from other undergraduate institutions as well.

“Increasing access to a Penn education is a pillar of the Penn Compact 2020, and I am so grateful for creating innovative ways to expand educational opportunity through their amazing commitment,” said Penn President Amy Gutmann. “Ken and Julie are encouraging students to think early about their graduate degree, venture into diverse fields after graduation, and bring these robust, interdisciplinary experiences to their Wharton MBA journey.”

The results lie in the future generations of Moelis Fellows, the proud graduates who promise to shape a range of important and emerging industries—from analytics, to health care and beyond. Students who participate in the new deferred-enrollment plan as well as those who complete their BS/MA in five years as part of the existing Submatriculation Program will share the title, support and distinction of being Moelis Fellows.

Mr. Moelis is founder, chairman and CEO of Moelis & Company, a global independent investment bank. He is a member of Wharton’s Board of Overseers—a board he has served on for over a decade—and a Trustee of the University of Pennsylvania. A graduate of Wharton’s existing Submatriculation Program, Mr. Moelis earned his undergraduate degree in 1980 and his MBA in 1981. Mrs. Moelis is also a Wharton graduate, earning her undergraduate degree in 1981. She and Mr. Moelis are proud Wharton parents.

For more information about the Ken Moelis and Julie Taffet Moelis Advance Access Program see https://mba.wharton.upenn.edu/moelis-advance-access-program/

An information session will be held for Penn undergraduates interested in learning about this program; April 19, 5:30-7:30 p.m., rm. F85, JMHH.

$16.3 Million for Penn Medicine AIDS Researcher (continued from page 1)

Establishing Brinster Professorship (continued from page 1)
Penn's Urban Campus: Now An Arboretum

The University of Pennsylvania's urban campus is now officially recognized as an arboretum, with level 1 accreditation. Since moving into West Philadelphia in 1872, Penn has incorporated a number of parks, gardens and other outdoor spaces into the building campus which now consists of nearly 500 acres. There are more than 6,500 trees and over 240 species of trees and shrubs. From the Botanical Gardens (Bio Pond), which opened in the late 19th century, to the 24-acre Penn Park, which opened in 2013 (Almanac: September 20, 2011), Penn has numerous outdoor open spaces that are part of the landscape including 10 specialty gardens and five urban parks. During this year’s Architecture Week, Almanac’s focus is on Penn’s landscape architecture. In addition to the large, well-known areas like College Green, Penn Park, the Penn Museum’s gardens and Shomaker Green as well as the Morris Arboretum, the University also has several green roofs, various gardens and some smaller parks. 


Golkin Hall Rooftop Gardens (below): Penn’s historic law school complex was expanded in 2012 with Golkin Hall, which features several rooftop gardens. The green roof installations not only provide attractive areas for student and faculty collaboration but also reduce the amount of storm water entering the city’s combined sewer/waste water system, counteract the heat-island effect caused by conventional dark roofs.

Class of 1942 Garden at Kelly Writers House (above): In 2002, members of Penn’s class of 1942 pledged to renovate the garden in front of Kelly Writers House during their 60th reunion. The garden, which opened a year later (Almanac: September 23, 2003), provides a peaceful green space along the busy Locust Walk.

Fagin Hall Atrium Garden (above): The second green roof on campus opened in 2009 (Almanac: October 15, 2009), the gift of alumni Mary Anne Saylor Gundah and the Gamba Family Foundation. This rooftop garden on the fourth floor features a fountain assembled from 5,000 stones as well as a wide variety of flora.

Fonseca Garden (above): This lawn area next to Penn Dental's Robert Schuttner Center was funded by a gift from Robert and Kay Schuttner in honor of the School’s former dean. The garden features a variety of plant life, but also plenty of open space, making it an ideal location for events (Almanac: November 23, 2006).

Shakespeare Garden (below): In front of the Duhring Wing of the Fisher Fine Arts Building is a tranquil spot designed by Beatrice Fenton in 1938. It has been renovated several times over the years, most notably in 1977 (Almanac: April 19, 1977).

Kane Park (above): Located at the busy intersection of 33rd, 34th, Spruce, and South Streets, this garden, a former parking lot, opened in 2013, supported by a $1 million gift from its namesake Edward W. Kane (Almanac: July 16, 2013). It serves as a welcome green space amidst the Penn Museum, Franklin Field and Penn’s Health System.

James G. Kaskey Memorial Park (below): Penn’s oldest green space remains a peaceful, secluded campus landmark which opened as a research garden in 1897. In 2000, Richard, W'43, and Jeanne Kaskey donated funds to renovate the Bio Pond, which was dredged, relined and its edges redefined. A waterfall and weeping water walls were added to provide drinking spots for birds. The Kaskeys subsequently endowed the Memorial Park, to continue its care (Almanac: May 1, 2012).

Kane Garden (at right): At 39th and Walnut Streets, the Fels Center for Government occupies a Colonial Revival home built for Samuel Fels in the early 20th century. The adjoining terrace and garden have been used for outdoor classrooms, receptions and Alumni events for years. The recent garden restoration project in 2010, of the stone terrace, brick walks, seating and fencing was designed by Robert Lundgren, University Landscape Architect. The project also included native perennial plantings, with American Beech, Holly and Cherry trees.

Geology Garden (below): Created by the Class of ’37, this garden, with John Harrison, Penn chemist, standing amidst the garden extends along the diagonal walkway from Smith Walk to 37th Street. It contains 10 boulders which represent Philadelphia from 1 billion to 25,000 years ago.

Singh Center for Nanotechnology (above): Among the many features of the Center (Almanac: February 22, 2011) are two green roofs that offer a dramatic overlook of Walnut Street. They are equipped with several plants and shrubs as well as benches and tables.

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2,770 Years Old and Counting: Penn Museum’s Celebration of Rome’s Birthday Saturday, April 22

Felix natalis dies! Roughly translated, that is “happy birthday” in Latin—a great phrase to use at the royal celebration of Rome’s Birthday: Saturday, April 22, 11 a.m. to 4 p.m., at the Penn Museum. Guests will be treated to thrilling gladiator fights and interactive tactical demonstrations of Roman militia, tours in the Worlds Intertwined: Etruscans, Greeks and Romans suite of galleries, Roman paper mosaic-making craft tables, talks and minute “pop-up” presentations on ancient Roman history and life in the galleries—and a chance to discover authentic Italian gelato, the perfect birthday treat!

Ciao Philadelphia, a region-wide celebration of Italian culture organized by the Italian Consulate in Philadelphia, and Capogiro Gelato Artisans, a locally based, internationally acclaimed company, are partners for the celebration. It’s all free with Museum admission donation ($15 general admission; $12 for seniors [65+]; $10 for full-time students [with ID] and children [6-17]; free for Museum members, children under 6, active US military and PennCard holders). Attendees are encouraged to get in the spirit of the day; those daring enough to wear a toga, legionnaire, or gladiator attire receive half-off the price of admission!

A Great City is Born: As legend has it, Rome was founded April 21, 753 BCE on the banks of the Tiber River by Romulus and Remus, twin brothers abandoned after birth and raised by a she-wolf. When a fierce ar
demonstrates fighting techniques and tells the history of pitting and pairing gladiators in combat.

Roman legion soldier reenactors are a powerful presence at the event as well, serving as arena guards and fight presenters. Guests of all ages can learn more about Rome’s powerful militia, discovering what it would take to enlist, and trying on some reproduction helmets and other gear, at an ongoing presentation offered by Penn Museum docent Joe Balmos. New Discoveries about the Ancient Roman Empire: Guests interested in learning more about contemporary research on the ancient past can attend a short lecture. At 2 p.m., Penn Museum’s Brian Rose, curator-in-charge of the Mediterranean section and past president of the Archaeological Institute of America, takes armchair archaeologists on a whirlwind tour with New Discoveries in Ancient Rome, a lecture co-sponsored by the America-Italy Society of Philadelphia.

Graduate students in the University of Pennsylvania’s art and archaeology in the Mediterranean world and classics departments get in the act with 60-second “pop-up” presentations about Rome—guests can look for them to “pop up” in the Worlds Intertwined: Etruscans, Greeks, and Romans galleries throughout the day.

Visitors of all ages can learn about life in ancient Rome, from the household to the battlefield, from modern Legionnaires in the Legio XX Valeria Victrix, a historical reenactment group from Laurel, Maryland.

The Conestoga High School Latin Club, part of the Pennsylvania Junior Classical League, joins in the day, offering a wide-ranging, ongoing drop-in presentation. Guests can learn about names in ancient Rome, ancient Roman architecture, Latin—a language the group says is alive and well—and ancient graffiti. The purpose of the Junior Classical League “is to encourage an interest and an appreciation of the language, literature and culture of ancient Greece and Rome.”

At 11 a.m. and again at 1 p.m., the artistry of Roman mosaics will be explored at a hands-on workshop for all ages. Guests work in groups to help create one giant mosaic comprised of over 4,000 tesserae! In addition, everyone can make a smaller paper mosaic at a day-long mosaic craft station.

A Sweet Celebration: At 12:30 p.m., guests are invited to meet Stephanie Reitano, co-founder and chef of Capogiro Gelato Artisans, a locally owned company that operates out of a dairy and has five retail locations. She has developed proprietary and protected recipes that allow for over 350 gelato and sorbet flavors to be produced on-site at each retail location. Her gelato has received widespread media acclaim, including in the National Geographic Traveler, which called it “The creamiest gelato you’ll taste this side of Capri.”

Ms. Reitano offers a short talk about authentic Italian gelato, before providing samples of classic Italian flavors that, she explains, “must be in any respected gelateria in Rome”: pistachio, bacio, amarena and zabaglione. Following her talk, samples will be available while supplies last!

For Italian food enthusiasts, the Museum’s Pepper Mill Café joins in the celebration with Italian-inspired luncheon options for purchase.

Exploring the Ancient Mediterranean World: Penn Museum’s suite of galleries, Worlds Intertwined: Etruscans, Greeks, and Romans, features more than 1,400 ancient artifacts, including marble and bronze sculptures, jewelry, metalwork, mosaics, glass vessels, gold and silver coins and pottery of exceptional artistic and historical renown, all drawn from the Museum’s Mediterranean collections, dating from 3000 BCE to the 5th century CE. A large-scale interactive map of the region helps visitors visualize how these ancient civilizations overlapped and co-existed thousands of years ago.

Rome’s Birthday is the final program in the Penn Museum’s World Culture Days 2016-2017 fall-through-spring lineup. The series is designed to introduce visitors of all ages to the rich cultural traditions found throughout the Museum’s galleries and, indeed, throughout the world.

About Ciao Philadelphia: Greater Philadelphia boasts one of the largest and most accomplished Italian-American communities in the United States. The birthplace of the United States of America, Philadelphia is a city deeply connected to Italian values and the Italian way of life, exemplified by the rich universities, museums, art centers and neighborhoods and contributions of Italian heritage. Ciao Philadelphia began with a month of celebration in 2014, organized by the Italian Consul in Philadelphia via a partnership with area civic, academic, cultural and business leaders. 2017 marks the fourth edition of Ciao Philadelphia, growing from a month-long celebration to a yearly celebration, with a continued special focus in October.

Schedule for the Celebration of Rome’s Birthday: 11 a.m.-4 p.m.

All Day Activities—
Legionnaires Station: Get Ready to Enlist!
Family Craft Station: Make a Roman Paper Mosaic
Latin Club Presents: Presentation on Language, Architecture & Graffiti

Timed Activities—
11 a.m. and 1 p.m. Help Assemble a Mosaic
11:30 a.m. and 3 p.m. Ludus Magnus Gladiatores Reenacting Group
12:30 p.m. Gelato Presentation by Capogiro Gelato Artisans
1:30 p.m. Rome Gallery Tour
2 p.m. Brian Rose’s talk, New Discoveries in Ancient Rome

Penn Museum can be found on the web at www.pennmuseum.org
For general information call (215) 898-4000.
Penn's Creating Canopy Tree Giveaway Program: Register Now

In alignment with the goals of Penn’s Climate Action Plan, the University promotes the importance of trees and the creation of public open spaces. To encourage the continual ‘greening’ of our communities in the Greater Philadelphia area, Penn Sustainability and Division of Facilities and Real Estate Services are again this spring partnering with Philadelphia Parks and Recreation for the Creating Canopy tree giveaway.

Quick Facts:
- All University of Pennsylvania and Health System employees are eligible for one free tree.
- You will need your PennCard to pick up your tree.
- You can live in the City of Philadelphia or in the suburbs of Pennsylvania, Delaware and New Jersey.
- You must register in advance online and select a tree species.
- Registration is through the online system only, at: http://bit.ly/creatingcanopy
- Registration is open through April 20 or whenever the tree inventory is fully reserved.
- Tree species are available on a first-come, first-served basis. They often “run out” of a specific tree.
- There is one pick up day, Thursday, May 4, between 2 and 6 p.m. at Penn Park, 31st and Walnut.
- You are responsible for getting your new tree home.

More information on the Creating Canopy program is available at: https://www.sustainability.upenn.edu/get-involved/creating-canopy

Your Total Rewards in Focus

Penn supports you in being your best at work and at home through an array of benefits, services, and programs. In addition to your base pay, this package includes retirement and tuition benefits, healthcare and other insurance coverage, and other compensation. Together, this makes up your total compensation and reflects Penn’s total investment in you.

How does this investment add up for you? Look for your personalized Total Compensation Summary for the 2016 calendar year arriving at your home soon. You will also be able to download a version from the secure Total Compensation Summary website at https://www.upenn.edu/insyr/payandperformance/totalsummary

The Total Compensation Summary is also a tool to identify other programs and benefits that can help you as your goals change over time. Penn encourages you to make the most of the available retirement savings plans, award-winning work-life programs, wellness services, and professional development opportunities. Don’t miss the list of cultural activities and special discounts available to members of the Penn community.

Visit the U@Penn Portal at www.upenn.edu/u@penn to access your 2016 Total Compensation Summary.

Division of Human Resources

SP2 Penn Top 10 Talks: A Series on Social Impact

On Thursday, April 20 from 12:30 to 2 p.m., the School of Social Policy & Practice (SP2) and the University Club at Penn will convene a panel of researchers and practitioners to examine mass incarceration and what’s at stake, as well as broad solutions and policy implementation. Panelists include Judge Benjamin Lerner, deputy managing director for Criminal Justice; Ram Cnaan, faculty director of the Goldring Reentry Initiative; and Nancy Franke, director of the Goldring Reentry Initiative. The event — SP2 Penn Top 10 Talk: A Speaker Series on Social Impact — will take place at the University Club at Penn. It will be moderated by SP2 associate professor T3 Ghose, founder and CEO of the Center for Carceral Communities, and will also feature a Q&A session.

Admission for the event is currently limited to University Club members, but the discussion will be live-streamed and accessible to the public. To register to attend live or to watch online and submit questions, visit https://tinyurl.com/k9o5aqt

Update

April AT PENN

CHILDREN’S ACTIVITIES


TALKS

19 WPXN Board Policy Meeting; open to the public; noon; WPXN, 3025 Walnut St; info: (215) 989-0826

12 Art Reset: Discussion on the Willie Cole Exhibit; Rebecca Fennemen, fine arts, 2 p.m.; ARG (ARG). The Origins and Dynamics of Crony Capitalism in China: Insights from 260 Cases of Collusive Corruption; Minxin Pei, Claremont McKenna College; 4:30-6 p.m.; B26, Stiteler Hall (CSCC).

13 Department of Biology Lecture; Andy Clark, Cornell; 4 p.m.; Tedori Family Auditorium, Levin Building (Biolog)

18 Do Facts Still Matter? Media, Politics, and Education in a Post-Truth Era; Howard Fineman, John L. Jackson, Charles Sykes, Penn; 5 p.m.; rm. 109, Annenberg School; RSVP: http://asc.upenn.edu/truth (Faculty Senate).

AT PENN Deadlines

The April AT PENN calendar is now online at www.upenn.edu/almanac. The deadline for the May AT PENN is today, April 11.
When Learning to Sing

American Political Discourse

Impact of Social Media on
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so that a student area can profit from the signal as best as possible given
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They uncovered patterns including:

• The Common Core debate on Twitter reveals how social media is
transforming political discourse in America.

• The combination of social and technological advocacy strategies
have ratcheted up the power of external political pressure groups.

• The consumers of political content are becoming increasingly
segmented, reducing vital opportunities for engagement with ideas.

• Fake News is not news. It is a longstanding problem, and the
education sector is not immune.

• Differences in the ways we process information may lead to mis-
understandings rather than genuine disagreement.

• Twitter is a uniquely powerful tool for disseminating information,
but its structure lends itself to manipulation.

• Paradoxically, even as we have more information available to us,
we are less informed.

Instead of a traditional academic study, the #commoncore project is
an interactive website that allows users to experience how the Twitter
conversation evolved, see www.hashtagcommoncore.com

Songbirds Adapt Self-Teaching Styles When Learning to Sing

A new study at University of Pennsylvania took a different look at the
way songbirds learn to sing. The study, “Rules and mechanisms for efficient
two-stage learning in neural circuits,” in the journal eLife, focused on the
way one part of a zebra finch’s brain teaches another part of the brain and
adapts its teaching style to the way the brain learns.

The song learning process for zebra finches is similar to that of a mu-
sician learning to play a new instrument: the bird hears the song,
remembers it, sings it back and continues to adjust its performance of the
song until it sounds right. While singing, the bird learns to control its vocal
organ, the syrinx, and its respiratory muscles.

“They start out babbling, and then eventually this congeals into trills
and phrases and sounds like a song,” said Vijay Balasubramanian, a phys-
ics professor in Penn’s School of Arts & Sciences and a lead researcher
of the study.

The researchers labeled the two parts of the brain the “tutor” and the
“student.” They found that the tutor part of the brain tells the student part of
the brain whether the song it produced was good or bad and instructs it on how
to improve. Based on the synaptic plasticity rules—the learning rules
used by neurons—different types of teaching can be more or less effective.

“Depending on how the neuron changes its strength of connections,”
Dr. Balasubramanian said, “the teaching signal coming from another place
should be adapted to the area of the brain that’s trying to learn, in such a
manner as to help it learn well. In this paper, we worked out good teaching
rules, or how the teacher should adapt to the student to teach it well, and
used them to try to make some predictions about how learning would work in
the song-learning system of the bird.”

The researchers used data compiled by Bence Ölveczky, a professor of
organismic and evolutionary biology at Harvard University, from recordings
of neurons in different areas of the birds’ brains to create a mathematical
framework. They hope their findings can be applied to mammalian brains and
cortical networks, which allow learning of motor function.

“Our data, collected in the brain have adapted to the other to pro-
duction function,” Dr. Balasubramanian said. “I suspect it’s just the case that
brain areas are adapted to send messages to each other in ways that make
themselves work well. I think it’s a new handle or lever for investigation to
think about that: How a tutor area of the brain should structure its signals
so that a student area can profit from the signal as best as possible given
its constraints and its learning rule.”

New Imaging Test Targets Enzymes for
Ovarian Cancer Treatment

Researchers from the Perelman School of Medicine at the University of
Pennsylvania have discovered a way to better identify candidates for an
emerging ovarian cancer treatment. A new imaging test helps the researchers
determine patient enzyme levels, a key factor in candidacy for the treatment.

The treatment blocks the enzyme Poly (ADP-ribose) Polymerase 1
(PARP-1), which helps damaged cancer cells repair their DNA and survive.
Combination of PARP-1 with BRCA1 mutations are considered candidates for PARP inhibitor treatment; thanks to the imaging,
patients without the BRCA1 mutation also can be considered.

“Research exists that shows PARP inhibitors can be effective in the treat-
ment of BRCA1 mutated cancer, but there are no good existing methods
to explore how mutations within BRCA genes effect PARP-1 expression,”
said the study’s lead author Mehran Makvandi, instructor of radiology. “We
wanted to validate our radiotracer technology as a quantitative biomarker
for PARP-1 with the goal of selecting patients who could benefit from
PARP inhibitor therapy.”

The researchers used genetic editing to compare the effects on cancer
cells of losing PARP-1 against the effects of gaining BRCA1.

For a lot of the PARP inhibitors, losing PARP-1 led to as much as
or even more resistance to the treatment as the restoration of BRCA1 func-
tion,” said Dr. Makvandi. “Furthermore, sensitivity to PARP inhibitors
was reflected in the measures of PARP-1 expression provided by our new
radiotracer method.”

The researchers then used clinical PET scans to measure PARP-1 in a
series of patients with epithelial ovarian cancer, becoming the first team to
do so. They used FluoTherm-18F (FTT), a PET imaging agent developed by
the study’s author Robert Mao, a professor of Radiology at Penn. FTT allows
for non-invasive clinical assessment of PARP-1.

“We can quantify PARP-1 at baseline, and then use serial imaging studies to directly measure the effects of PARP inhibitors,”
Dr. Makvandi said.

Prediction Polls More Accurate Than Prediction Markets

Economists tend to favor prediction markets—in which people bet against
each other to predict an outcome — over prediction polls — in which guessers
essentially bet against themselves. But a new study from the University
of Pennsylvania found prediction polls actually tend to fare better.

“According to the theory, prediction markets should ‘always win’ because
markets are the most efficient mechanisms for aggregating the wisdom of
a crowd. That process should converge on a true prediction,” said Philip
Tetlock, a Penn Integrates Knowledge professor. “But our findings published
in Management Science suggest that you can actually get just as much out of
a forecasting tournament using prediction surveys.”

The study found that team polls, in which groups of up to 15 people
collaborated to make forecasts, produced the most accurate predictions
when combined with a statistical algorithm.

“We used each person’s prior track record and behavioral patterns to come
up with a weighting scheme that amplified those who were more skilled
and lowered the voices of the less skilled,” said Pavel Atanasov, a former
Penn doctoral student and the study’s lead author, who currently works on
decision science and prediction at a startup called Pytho. “Accounting for
skill improved the overall results.”

Funding for the work came from the Department of Interior’s Intel-
ligence Advanced Research Projects Activity, Carnegie Corporation and
Open Philanthropy Network.

Emotion Regulation Could Help Prevent HIV/STI in
Black Adolescents with Mental Illness

A new University of Pennsylvania School of Nursing (Penn Nursing)
study suggests that regulation of the link between emotion and behavior
could help reduce HIV/STI risk among heterosexual active black youth
with mental illnesses. The study, “Feelings Matter: Depression Severity
and the Influence of Those Factors on Decision Making,” which examined
contextual factors related to HIV/STI risk among heterosexually active black
youth suggests that regulation of the link between emotion and behavior
among the demographic, focusing on depression and emotional regulation
and the influence of those factors on decision making.

“Blacks, adolescents, and people with mental illnesses are all dispro-
portionately affected by HIV/STIs,” said the study’s lead author Bridgette
M. Brawner, assistant professor of nursing in the department of family and
community health. “We know that the unique psychopathology of mental
illnesses, including impulsivity and engaging in unprotected sex to allevi-
ate depressed mood, may heighten one’s HIV/STI risk. Our study indicates we
need to better understand unique HIV/STI prevention needs among black
adolescents with mental illnesses and that improving coping mechanisms
to help regulate emotion should be addressed in HIV/STI prevention research.”

Funding for the work came from the Department of Interior’s Intel-
ligence Advanced Research Projects Activity, Carnegie Corporation and
Open Philanthropy Network.