2-25-2016

The Beacon, February 25, 2016

Florida International University

Follow this and additional works at: http://digitalcommons.fiu.edu/student_newspaper

Recommended Citation
http://digitalcommons.fiu.edu/student_newspaper/854

This work is brought to you for free and open access by the Special Collections and University Archives at FIU Digital Commons. It has been accepted for inclusion in The Panther Press (formerly The Beacon) by an authorized administrator of FIU Digital Commons. For more information, please contact dcc@fiu.edu.
Fort Lauderdale bridge scandal has ties to FIU campus, Miami-Dade

MICHAEL VASQUEZ
The Miami Herald
TNS Staff

An unusual bridge-repair contract in the city of Fort Lauderdale has sparked a criminal investigation, and those involved have ties to Miami-Dade County and Florida International University.

Miami-Dade’s new deputy director of water and sewer, Hardeep Anand, was public works director in Fort Lauderdale when the strange bridge contract was awarded. Anand acknowledged to the Miami Herald on Thursday that he’s hired a criminal defense attorney, but insisted he wasn’t connected to the bridge contract, which was awarded to his wife’s former business partner.

“I have no involvement in it,” Anand said of the contract. “The procurement department handles it.”

Also connected to the investigation is former FIU engineering dean Amir Mirmiran. It was a company run by Mirmiran’s wife that landed the city contract — even though it had just been incorporated and had no track record.

Mirmiran left his FIU job last year, and is now the provost and vice president for academic affairs at the University of Texas at Tyler.

In a segment aired earlier this week, Local 10 investigative reporter Bob Norman tracked down the former Fort Lauderdale employee at the center of the controversy, former Assistant City Engineer Pedram Zohrevand. Zohrevand denied steering a city contract to a company he had a relationship with.

“I didn’t do that. I did all things the right way,” he told the TV station.

Zohrevand, who left his $106,433 city job in October, could not be reached by the Herald.

An internal city of Fort Lauderdale investigation memo states that Zohrevand worked behind the scenes to make sure that a certain company — Engin-Ovation LLC — was hired by the city for “bridge engineering consulting services.” That was the contract run by the FIU dean’s wife. The dean of the engineering school, Mirmiran, earned $242,168 at FIU, and had previously supervised Zohrevand.

SEE BRIDGE, PAGE 2

Experts admit they know little about Zika virus

FRANCO ORDONZ
 McClatchy Washington Bureau
TNS Staff

Federal and international health officials confessed Tuesday to an encyclopedic list of unanswered questions about the fast-spreading Zika virus, which in a matter of months has become an international public health crisis.

In a bleak assessment of their ability to confront the disease, epidemiologists, public health experts, scientists and researchers one on one by held a conference on Zika about their concerns that too little was known about diagnosing the disease and how it might be spread.

Among the unknowns: what animals other than humans can be infected with the Zika virus, how often it has been spread by sexual contact, and whether, for sure, it’s the cause of devastating birth defects and other neurological disorders, as suspected.

Scientists don’t know the role that climate change may have had in Zika’s rapid spread through the Americas.

“We don’t, at a very basic level, know whether the virus has mutated and that is the cause of the explosive epidemic potential,” said Ronald Rosenberg, acting director for the Department of Vector-Borne Diseases at the Centers for Disease Control and Prevention.

At the request of the U.S. Department of Health and Human Services, the leading scientists and researchers met at the National Academy of Sciences in Washington to identify research priorities and try to hammer out a strategy for a response should an outbreak occur in the United States.

Marcos Espinal, director of the Department of Communicable Disease and Health Analysis at the Pan American Health Organization, said it might be months before researchers had determined for certain one of the main public concerns whether Zika is linked to microcephaly, a birth defect that causes newborns to have small heads and other neurological disorders. But for now, he said, all indications are that there is a connection.

Victor Daza, president of the National Academy of Medicine, called the Zika virus a “wake-up call” and pressed world leaders to stop thinking of the epidemic as strictly a health issue.

The potential economic losses from a pandemic could amount to $60 billion a year, he said. Those costs are consequences of policy and behavior changes associated with fears, rational and irrational, that can lead to travel bans, quarantines and blockades on trade.

More than 30 countries and territories across the Americas have reported local transmissions of the Zika virus since it was first discovered in Brazil last May. There have been 52 U.S. cases in 16 states and the District of Columbia, Puerto Rico and the U.S. Virgin Islands. At least 21 cases have been discovered in Florida, the most in any state, including seven in Miami-Dade and four in Broward County.

Mental Health Alliance comes to University

GUETHSHINA ALTENA
Staff writer
guethshina.chizova@fiusm.com

Never before in the history of FIU has a club like the National Alliance on Mental Health Illness existed on campus.

The University welcomes its first NAMI club on campus to gather those interested in mental illnesses.

According to the NAMI official website, NAMI strives to educate student-run mental health organizations on college campuses.

Their goal is to raise mental health awareness with fairs, walks and other events.

NAMI also educates the campus community with presentations, guest speakers and student panels. They advocate for improved mental health services and policies on campus as well as support peers with signature NAMI programs and training from NAMI State Organizations and Affiliates.

The NAMI club at FIU was initiated at the start of the fall semester of 2015 when Suzette Ferretti, a senior psychology major, made the necessary efforts and put in the request for the club to be created.

Once the club was approved by the main organization and the Counseling Student Organizations, Ferretti became the first president of the club, along with two other e-board members.

The club seeks to unite students from all majors with a love for helping those who are interested in the kind of societal issues related to mental illness.

Some people have been affected by domestic abuse or dealt with suicidal thoughts, so I think that mental illnesses are relevant to everybody.

KATHERINE PAREZ
Junior
Biology

“...I have always been passionate about mental illnesses. It is something that has grown up with me because I grew up in a household where you had a problem like that but people did not really talk about it,” Ferretti says.

Ferretti was looking on the internet for organizations that she can get involved with when she came across NAMI and saw that they had a program that is incorporated into college

SEE NAMI, PAGE 2

GUITART HEROES

School of Music guitar ensemble perform in the GC pit to spread the word about the upcoming Miami International GuitArt Festival.

Vol. 27 Issue 67
Thursday, February 25, 2016
A Forum for Free Student Expression at Florida International University
One copy per person. Additional copies are 25 cents.
NATION & WORLD BRIEFS

Apple-FBI fight intensifies over San Bernardino gunman's iPhone

The court dispute between Apple and the Justice Department over unlocking the San Bernardino, Calif., gunman’s iPhone became a public relations war on Monday with both sides firing back and forth online about the worldwide tech giant and the FBI exchanging words on the Internet. Additionally, Congress has prepared to intervene.

For now, the FBI appears to be winning the battle according to new polling information from the Pew Research Center. Monday's court case in favor of a congressional “commission or other panel of experts on intelligence, technology, and civil liberties to discuss the implications for law enforcement, national security, privacy, and personal freedoms.”

Plan to close Guantanamo would keep 30 to 60 detainees in custody

President Barack Obama on Tuesday sent Congress his proposal for shuttering the U.S. military prison for alleged terrorists at Guantanamo Bay, Cuba, and asked expressed confidence that Republican lawmakers will be willing to negotiate with the administration.

The 21-page plan, which was required to be submitted by Tuesday by previous congressional legislation, would transfer 30 to 60 detainees currently at Guantanamo to an unidentified high-security prison in the United States at an estimated cost of $290 million to $475 million. “With this plan, we have the opportunity finally to eliminate a terrorist propaganda tool, to strengthen relationships with allies and partners, enhance our national security, and most importantly uphold the values that bind us as Americans,” Obama said in a short address minutes after the plan was released.

Jury: No hate crime convictions in San Jose State bullying trial

A jury Monday found three white men guilty of misdemeanor battery on a black student in 2013 at San Jose State University, but did not reach a verdict on hate crime charges.

After deliberating for more than 20 hours, the jury decided in favor of 21-year-old Donald Williams Jr., either in custody.

"I wanted to be a voice for something bigger than myself. So that I could set an example for others and that they would not be afraid to talk about their problems,” Perez said.

She believed NAMI to be very important and encouraged everyone to get involve in order to raise awareness.

At such a stressful time in our lives, we all might be suffering from different things and it was very important to talk about them.

We talked about a lot of different things and it was very interesting.

The club meets every third Tuesday of the month. Ferretti encourages all students to sign up on OrgSync and follow them on social media to stay updated.

The 21-page plan, which was required to be submitted by Tuesday by previous congressional legislation, would transfer 30 to 60 detainees currently at Guantanamo to an unidentified high-security prison in the United States at an estimated cost of $290 million to $475 million. “With this plan, we have the opportunity finally to eliminate a terrorist propaganda tool, to strengthen relationships with allies and partners, enhance our national security, and most importantly uphold the values that bind us as Americans,” Obama said in a short address minutes after the plan was released.

Jury: No hate crime convictions in San Jose State bullying trial

A jury Monday found three white men guilty of misdemeanor battery on a black student in 2013 at San Jose State University, but did not reach a verdict on hate crime charges.

After deliberating for more than 20 hours, the jury decided in favor of 21-year-old Donald Williams Jr., either in custody.

"I wanted to be a voice for something bigger than myself. So that I could set an example for others and that they would not be afraid to talk about their problems,” Perez said.

She believed NAMI to be very important and encouraged everyone to get involve in order to raise awareness.

At such a stressful time in our lives, we all might be suffering from different things and it was very important to talk about them.

We talked about a lot of different things and it was very interesting.

The club meets every third Tuesday of the month. Ferretti encourages all students to sign up on OrgSync and follow them on social media to stay updated.

The 21-page plan, which was required to be submitted by Tuesday by previous congressional legislation, would transfer 30 to 60 detainees currently at Guantanamo to an unidentified high-security prison in the United States at an estimated cost of $290 million to $475 million. “With this plan, we have the opportunity finally to eliminate a terrorist propaganda tool, to strengthen relationships with allies and partners, enhance our national security, and most importantly uphold the values that bind us as Americans,” Obama said in a short address minutes after the plan was released.

Jury: No hate crime convictions in San Jose State bullying trial

A jury Monday found three white men guilty of misdemeanor battery on a black student in 2013 at San Jose State University, but did not reach a verdict on hate crime charges.

After deliberating for more than 20 hours, the jury decided in favor of 21-year-old Donald Williams Jr., either in custody.

"I wanted to be a voice for something bigger than myself. So that I could set an example for others and that they would not be afraid to talk about their problems,” Perez said.

She believed NAMI to be very important and encouraged everyone to get involve in order to raise awareness.

At such a stressful time in our lives, we all might be suffering from different things and it was very important to talk about them.

We talked about a lot of different things and it was very interesting.

The club meets every third Tuesday of the month. Ferretti encourages all students to sign up on OrgSync and follow them on social media to stay updated.

The 21-page plan, which was required to be submitted by Tuesday by previous congressional legislation, would transfer 30 to 60 detainees currently at Guantanamo to an unidentified high-security prison in the United States at an estimated cost of $290 million to $475 million. “With this plan, we have the opportunity finally to eliminate a terrorist propaganda tool, to strengthen relationships with allies and partners, enhance our national security, and most importantly uphold the values that bind us as Americans,” Obama said in a short address minutes after the plan was released.
PIPELINE PERFORMANCE

Local band Salas plays with WRGP’s Pipeline as audience

Wednesday, Feb. 17, Salas stopped by WRGP’s studio for an interview with Pipeline’s Natalie Bojorquez and Jasmine Romero. During the interview and broadcast of the show, the local band played a few of their staple songs for the duo and radio listeners.

Band Members:
Guitarist: Joey Prats
Drummer: Mikey Gomez
Bassist: Yawn “Doodles” Dominguez
Domestic duties, What roles do men and women take on today?

Male, Female. What roles are assigned thus? Has much changed this day and age? Men have always been breadwinners, powerful leaders, executors of action, and free to express their creativity in outlays such as art, music, and theater without ridicule. What about the roles assigned to their female counterparts? The duties of women were confined to the domestic space: raising children, taking care of household affairs and grooming their young daughters to find husbands.

Women were and still are viewed to be mothers, nurturers, household caretakers and caregivers. Despite the strides we’ve seen women make today to get equal pay, (although it’s still 77 cents on the dollar), secure jobs, and to have the right to work in fields that are predominately male dominated—women are still doing more work than ever. Their second jobs consist of the household chores and “duty” of raising children.

Not only do women give birth and are expected to raise kids, despite their efforts in securing a job equated to their male spouses, they seem to still carry the burden of doing domestic work such as cleaning and cooking too. Seems fair right? In this day and age of “modern progressiveness” gender roles and stereotypes still prevail despite the victory and strides that we’ve achieved in securing a place in the theater without ridicule. What about the disparity in certain fields, women still end up doing more work over all.

A sociologist at the University of California, Irvine, Judith Tresas explains that despite these roles being a personal choice between couples living together in their domestic spaces, society and culture do play a role in shaping how these roles are divided up.

More and more women in today’s modern age have education equal to their male counterparts, even more so in some cases. Studies have shown that more and more women are going to college and getting degrees compared to men.

Many people believe that women have this “innate nature to nurture,” due to the world’s cultural society but men are also nurturers. The difference is that men are taught since birth or from their own cultures to suppress their ability to nurture or to show emotion.

Men and women are human beings when it comes down to it—we are all the same, masculine and feminine qualities. It is indoctrinated in our culture and society for it to be this way and for women to stay home and men to stay on the domestic work. This is where problems stem when dividing up the dates between the sexes pertaining to domestic work.

Last year, studies have shown that on an average day, 83 percent of women and only 65 percent of men spent some time doing household activities such as housework, cooking, lawn care, financial and other home management. Statistics show that men are more likely to participate in sports, exercise, or recreations on any given day with 21 percent of men participating versus 16 percent of women.

However, it doesn’t stop there — according to Time magazine, in a 2010 data study, 60 percent of women in the U.S. are either the sole career earners in their household or bringing in as much or more than their partners. It is evident that even today, women are still being regarded as the main caregiver and the primary household caretaker as opposed men.

The U.S. has no federal requirement for mothers to get paid maternity leave. It is entirely at the company’s discretion whether they get paid maternity leave and some are even at risk for losing their jobs if they miss a certain number of days of work. America is the only country in the world aside from Papua New Guinea who offer no paid maternity leave to new mothers.

Businesses are valued over humanity. This is ironic because the person who brings human beings into the world in order to work as a business is mothers. Despite their struggle to keep their jobs or to have jobs equal to men—the moment women get pregnant they are penalized and at risk of losing their jobs for having a child.

This huffles me the most because even though I don’t have any children or a house of my own, let alone a life partner, I simply don’t want to live a life where I am pressured, burdened, and subjugated into these roles because it is my “womanly duty” to take on domestic roles. If my partner and I decide to have children I would by no means be confined or let myself be confined to the role of the sole caretaker, nurturer, cook or cleaner.

Taking care of the household is a shared responsibility — especially if both parents work and have careers of their own. One should not feel or feel threatened by taking on the role of caretaker for their kids. It is a human emotion to feel nurturing, whether you are a male or a female; otherwise known as being a considerate human being when you can share and divide domestic duties between couples —especially when you become parents.

Leslie is a staff writer for Fiusm, her column femmeappetite covers food, feminism and health. For questions or comments email leslie.blanco@fiusm.com

HEART TO HEART

Members of the Muslim Student Association pose together during their Hearts for Syria charity event held in the GC Pit Thursday, Feb. 18.

Musician uses old instruments to make new sounds

CINDY HERNANDEZ Contributing Writer

Venetian Snares’ “Traditional Synthesizer Music” is a great nod to both the electronic music that came before him and the many stylish turns his albums have adopted over his decade long career.

Here, we catch Venetian Snares, also known as Aaron Funk, manage to create IDM on his new album that breaks traditional concepts of the genre through only the use of modulator synthesizers.

The war created between synths and drum machines are exciting, new, and most of all, reflective of our faith in Venetian Snares delivering a quality product regardless of his inspiration or comfort zone.

Funk’s playfulness throughout all of the album.

However, this might be Funk’s most accessible album, but only in terms that the playfulness is very deliberate, nostalgic and almost cheerful.

The track ‘Magnificent Stumble Yourself v1,’ reminiscent of early Yip-Yip or XBRRX, noise pop and rock groups respectively, but Funk is unabashedly making something along the lines of noise pop here, perhaps being the stigma attached to the instruments used. And that personal

The magical sounds of old technology definitely ruminate over the album. The same manic, excitable sound carries out throughout the rest of the album, with the track ‘Can’t Vote For Yourself v1.’

Keep in mind, the instruments on this album were used to make music for the most primitive video games, and what was displayed on the screen, mere tiny pixels in the shape of a box with two pixels in another color for eyes, for example, had to evoke the image of some kind of force in the player to be enjoyable.

Funk really delivers a culmination of themes and sounds on “She Married A Chess Computer In The End,” going back to the kind of nostalgia of old computers, making more erratic musical choices as imitating a chess game. On the tracks “Health Card10,” and “Paganism Ratchets,” we find Funk ending back in noisy, terrifying breakcore that ultimately has to go back again to the kind of sound Funk really delivers.

On “Anxattack Boss Level19 v3,” Funk juxtaposes the sounds of wind instruments blending into the fast drum patterns and randomly sequenced synth beat to mimic the intensity of a boss battle in a video game.
FIU takes four out of five in Panther Invitational

JAYDA HALL
Contributing Writer
Sports@fiusm.com

If there was one word to describe the softball team’s performance on Friday, Feb. 19, it would be unconquered.

FIU started the Panther Invitational with a doubleheader, and despite the heavy wind each team faced, the Panthers landed two consecutive wins against College of the Holy Cross (0-5) and Indiana University (5-4).

Holy Cross was first to be dominated by the Panthers. FIU made it impossible for HC to score a run for the entire game making the final score 7-0.

Ashley Leon, junior infielder, lead the bottom of the first inning and scored FIU’s first run of the game.

Both teams played the second inning without scoring any runs. It wasn’t until the third inning when HC finally managed to make it to third base. The team, however, was taken out before reaching home. Leon scored another run for the team when HC’s catcher failed to catch the ball in time to get Leon out. Leon was the only player who scored more than once during the game.

Dane Mowry, junior infielder, lead the bottom of the fourth inning and took a walk to first base. She and Ashley Belans, sophomore infielder, scored a run, putting the Panthers up 4-0 at the end of the fourth.

The fifth inning moved quickly for both teams with neither scoring a run. Abby Summers, freshman right-handed pitcher, got two of HC’s runners out on a double play, ending the inning for HC.

“It felt good scoring my first run, but it’s only the beginning.”

Aleima Lopez Center Fielder
FIU Softball

Stephanie Texeira, junior infielder, got an RBI and scored FIU’s last run of the game.

The Panthers showed out with seven runs, 13 hits and zero errors against HC, who managed only four hits and got two errors.

The Panthers moved on to the last match of the day against Indiana.

A walk to first base set Indiana up for its first run of the game against the Panthers.

It wasn’t until the second inning when Aleima Lopez, senior center fielder, scored FIU’s first run of the game, and her first run of the season. “It felt good scoring my first run, but it’s only the beginning.” Lopez said.

Both teams ended the second inning tied at one run a piece. Indiana scored its second and last run of the game in the third inning.

In the fourth inning, Hunter Scharf, junior left-handed pitcher, came in the game to pitch for the Panthers. Both teams went the entire fourth without scoring, but that changed all of a sudden for FIU in the fifth inning.

Leon stole second base and home, tying both teams at 2-2 at the bottom of the fifth. Schoff broke the tie after scoring another run for the team, and Texeira widened the gap, ending the inning with a 4-2 lead against Indiana.

The hits were tied at seven for both teams during the sixth inning after Deven Kennedy, freshman outfielder, scored another run for the Panthers.

Indiana couldn’t manage to score a run in the seventh inning, which finalized the score at 5-2.

FIU currently holds an overall record of 8-2 and will move on to play against Central Connecticut State University Thursday, Feb. 25, at 7 p.m.
The Panthers were overwhelmed and outplayed 
by a team we'll likely be hearing a lot more from in the next couple months. 
They even committed two errors in the first inning, 
which is where most of the disparity between 
these two teams, the better of the two 
hitting from the far end of the field, 
and widely respected 
Southeastern Conference.

Going forward, this FIU squad faced a three 
weekend of 2-0, with nine 
runs of their own.

Any doubt left as to why this Rebels team was 
ranked 24th in the nation 
for this weekend was put to rest, at least for now, 
as the team didn't even steal a base all afternoon,
and still scoring 16 runs.

They even committed their first and second 
errors of 2016, but with 
that explosive first inning, 
there wasn't much the 
Panthers could do to 
recover. 
With so much run-support, Ole Miss' 
pitching staff could kick 
back on cloudy afternoon, 
and record 10 strikeouts,
while not even batting-an-
inning, an inning that 
wouldn't end until after Ole Miss had answered 
FIU's first lead of the 
weekend of 2-0, with nine 
runs of their own.

Any doubt left as to why this Rebels team was 
ranked 24th in the nation 
for this weekend was put to rest, at least for now, 
as the team didn't even steal a base all afternoon,
and still scoring 16 runs.

They even committed their first and second 
errors of 2016, but with 
that explosive first inning, 
there wasn't much the 
Panthers could do to 
recover. 
With so much run-support, Ole Miss' 
pitching staff could kick 
back on cloudy afternoon, 
and record 10 strikeouts,
while not even batting-an-
inning, an inning that 
wouldn't end until after Ole Miss had answered 
FIU's first lead of the 
weekend of 2-0, with nine 
runs of their own.

Any doubt left as to why this Rebels team was 
ranked 24th in the nation 
for this weekend was put to rest, at least for now, 
as the team didn't even steal a base all afternoon,
Academic medical centers do poor job reporting results of medical trials

JONEL ALECIA
The Seattle Times

Leading academic medical centers across the U.S. have a poor record of reporting results from clinical trials, leaving patients and doctors with a potentially skewed view of the safety and effectiveness of new treatments, a new study finds. Nationwide, only about two-thirds of results from more than 4,300 interventional clinical trials conducted in the U.S. between October 2007 and September 2010 were published or reported, and only about one-third were released to the public within two years of completion.

The analysis was published Wednesday in the journal BMJ.

"Once you realize that human experiments are being done and the results are not being reported, you realize that the entire scientific enterprise is being threatened," said Harlan Krumholz, the Yale School of Medicine cardiologist and health care researcher who led the study.

Without accurate and timely reporting of clinical trial results, doctors and patients can't make evidence-based decisions about conditions from cancer and heart disease to mental health disorders, Krumholz said. "It's biasing the medical literature," he said.

The reasons researchers don't report results range from the nefarious, they failed to get the results they wanted, to the mundane, they were too busy to input the data, experts said.

Krumholz and his colleagues analyzed results from more than 4,300 interventional clinical trials completed at more than 50 of the leading academic medical centers in the U.S. between October 2007 and September 2010. They looked to see whether the institutions had published academic papers detailing their results or posted the results on ClinicalTrials.gov as of July 2011.

That's the Web-based registry authorized by Congress in 2000 to allow public reporting of clinical trial results. In 2007, a new law expanded the site's mandate, requiring reporting of basic results for public access. The site is one way patients with a range of rare and common diseases can research trials that may offer new treatment options.

There are nearly 209,000 studies in the U.S. and 192 countries now posted, but many clinical trial results include no reports.

In the BMJ study, only 13 percent of academic medical centers nationwide posted results on the federal website. "This paper brings to light that the institution has a responsibility," said Dr. Deborah Zarin, director of ClinicalTrials.gov. "They used to leave it to individual investigators."

Part of the trouble is that there have been few incentives to encourage reporting for consequences for failure to do so. Under the Federal Food and Drug Administration Amendments Act of 2007, results of certain trials are required by law to be reported within a year of completion and researchers can be fined up to $10,000 a day per trial for lapses. But, so far, no fine has been levied.

New rules are expected soon aimed at strengthening reporting of clinical trials funded by the National Institutes of Health and regulated by the Federal Drug Administration.

According to Zarin, the BMJ study isn't the first to call out academic institutions for poor reporting rates by name, but it's part of a move to change the system to benefit doctors, scientists and patients. "Nobody wants to be at the bottom of a list like that," she said.

Big US banks to roll out ATMs that take smartphones

JAMES RUFUS KOREN
Los Angeles Times

To the long list of things you can do with your phone, add another: get cash.

Over the next few months, the nation's three biggest banks will start rolling out ATMs that will let customers withdraw money, prepare to add one more: get cash.

"My boys are five and six and I don't think they'll carry around plastic when they grow up," said Michelle Moore, head of digital banking for Bank of America, which plans to make cardless ATMs widely available as early as May.

San Francisco banking giant Wells Fargo plans to offer cardless access at a limited number of ATMs by the end of summer and at all ATMs by the end of the year. Most of JPMorgan Chase's ATMs will start offering cardless access sometime in the second half of the year.

Cash machines that work with a phone instead of a card aren't new, but they are rare. The number of cardless ATMs stands in the low thousands nationwide.

"You're acclimating to the world of the future in which cards are rare. The number of cardless ATMs stands in the low thousands nationwide," said Harlan Krumholz, a cardiologist and health care researcher who led the study.

The banks' entry into cardless ATMs comes as a small but growing number of Americans are using their smartphones instead of debit cards - the latest step toward a future in which phones could replace bank branches and wallets.

"My boys are five and six and I don't think they'll carry around plastic when they grow up," said Michelle Moore, head of digital banking for Bank of America, which plans to make cardless ATMs widely available as early as May.

San Francisco banking giant Wells Fargo plans to offer cardless access at a limited number of ATMs by the end of summer and at all ATMs by the end of the year. Most of JPMorgan Chase's ATMs will start offering cardless access sometime in the second half of the year.

Cash machines that work with a phone instead of a card aren't new, but they are rare. The number of cardless ATMs stands in the low thousands nationwide, the study found.

The banks' entry into cardless ATMs comes as a small but growing number of Americans are using their smartphones instead of debit cards - the latest step toward a future in which phones could replace bank branches and wallets.

"My boys are five and six and I don't think they'll carry around plastic when they grow up," said Michelle Moore, head of digital banking for Bank of America, which plans to make cardless ATMs widely available as early as May.

San Francisco banking giant Wells Fargo plans to offer cardless access at a limited number of ATMs by the end of summer and at all ATMs by the end of the year. Most of JPMorgan Chase's ATMs will start offering cardless access sometime in the second half of the year.

Cash machines that work with a phone instead of a card aren't new, but they are rare. The number of cardless ATMs stands in the low thousands nationwide, the study found.

The banks' entry into cardless ATMs comes as a small but growing number of Americans are using their smartphones instead of debit cards - the latest step toward a future in which phones could replace bank branches and wallets.

"My boys are five and six and I don't think they'll carry around plastic when they grow up," said Michelle Moore, head of digital banking for Bank of America, which plans to make cardless ATMs widely available as early as May.

San Francisco banking giant Wells Fargo plans to offer cardless access at a limited number of ATMs by the end of summer and at all ATMs by the end of the year. Most of JPMorgan Chase's ATMs will start offering cardless access sometime in the second half of the year.

Cash machines that work with a phone instead of a card aren't new, but they are rare. The number of cardless ATMs stands in the low thousands nationwide, the study found.

The banks' entry into cardless ATMs comes as a small but growing number of Americans are using their smartphones instead of debit cards - the latest step toward a future in which phones could replace bank branches and wallets.

"My boys are five and six and I don't think they'll carry around plastic when they grow up," said Michelle Moore, head of digital banking for Bank of America, which plans to make cardless ATMs widely available as early as May.

San Francisco banking giant Wells Fargo plans to offer cardless access at a limited number of ATMs by the end of summer and at all ATMs by the end of the year. Most of JPMorgan Chase's ATMs will start offering cardless access sometime in the second half of the year.

Cash machines that work with a phone instead of a card aren't new, but they are rare. The number of cardless ATMs stands in the low thousands nationwide, the study found.

The banks' entry into cardless ATMs comes as a small but growing number of Americans are using their smartphones instead of debit cards - the latest step toward a future in which phones could replace bank branches and wallets.