

# Using EurekAlert! for Science News-gathering

NINS Press Seminar

19 APR 2018 | Tokyo, Japan

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-- Cristine Russell

Freelance science writer since the 1970s

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# ホッキョクグマ「激やせ」 温暖化影響、筋肉量まで減少

小坪 遼 2018年2月2日05時00分

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189
2

カメラを搭載した宙輪をかけたホッキョクグマ＝米地質調査所のアンソニー・バガノ氏提供

地球温暖化の影響でホッキョクグマが昔よりやせやすくなっていることが、米地質調査所などのチームの調査でわかった。2日、米科学誌サイエンスに論文を発表した。チームは温暖化がさらに進むと、生存が厳しくなると警告している。

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⑤ 「お前は国民の敵だ」現職内閣官が民進・小西氏に暴言か

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Issue of  
**2 February 2018**

## Science Press Package

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**This information is embargoed until:**

**2:00 PM U.S. Eastern Time, Thursday, 1 February 2018**  
 Check timezone conversions [here](#).

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**THIS WEEK'S Multimedia Features:**

- Increasing Loss of Spring Sea Ice Taxes Polar Bear Metabolism
- Surprise: Satellite Galaxies of Centaurus A Are on a Coordinated Dance
- Wastewater Injection Depth Important Trigger for Induced Quakes
- A New Laser Design Method

**Summaries of Articles in the 2 February Science**

**Editorial**

**Article #0:** "Our science, our society," by Susan Hockfield, president of AAAS and president emerita of the Massachusetts Institute of Technology, Cambridge, MA.

**DOWNLOAD Editorial**

**Contact:** Susan Hockfield at [hockfield@mit.edu](mailto:hockfield@mit.edu) (email).

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This week's news from  
*Science Signaling*

## Science Signaling

**Increasing Loss of Spring Sea Ice Taxes Polar Bear Metabolism "free"**

Tracking polar bears during the spring – their prime hunting season, when sea ice conditions should be ideal – reveals that in recent years, many bears are expending notably more energy than they are consuming. The results highlight how these animals' energy requirements are rising in tandem with a changing climate. Polar bears rely almost exclusively on a fat-rich diet of seals, which are most efficiently hunted from the surface of sea ice. However, the abundance of sea ice across the Arctic is decreasing at a rate of 14% per decade, which is likely reducing polar bears' access to their prey. In April of 2014, 2015, and 2016, Anthony Pagano and colleagues aimed to better understand the energy expenditure of polar bears during this critical season by capturing nine females on the sea ice of the Beaufort Sea. They measured the metabolic rates of each bear by analyzing blood and urine samples upon capture and then again at recapture, after 8 to 11 days. As well, the bears were equipped with GPS collars that also collect video records of

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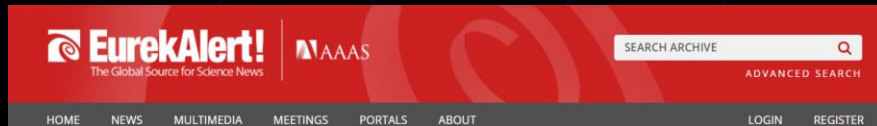
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PUBLIC RELEASE: 1-FEB-2018

## Increasing loss of spring sea ice taxes polar bear metabolism

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE



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Tracking polar bears during the spring - their prime hunting season, when sea ice conditions should be ideal - reveals that in recent years, many bears are expending notably more energy than they are consuming. The results highlight how these animals' energy requirements are rising in tandem with a changing climate. Polar bears rely almost exclusively on a fat-rich diet of seals, which are most efficiently hunted from the surface of sea ice. However, the abundance of sea ice across the Arctic is decreasing at a rate of 14% per decade, which is likely reducing polar bears' access to their prey. In April of 2014, 2015, and 2016, Anthony Pagano and colleagues aimed to better understand the energy expenditure of polar bears during this critical season by capturing nine females on the sea ice of the Beaufort Sea. They measured the metabolic rates of each bear by analyzing blood and urine samples upon capture and then again at recapture, after 8 to 11 days. As well, the bears were equipped with GPS collars that also collect video records of activity during daylight (see polar bear "point-of-view" videos). The data suggest that polar bear metabolism is 1.6 times higher than previously thought. What's more, four of the bears lost 10% or more of their body mass over the 8- to 11-day period, with an average loss of 1% per day (one bear lost not only her fat reserves, but



IMAGE: POLAR BEAR WEARING A GPS VIDEO-CAMERA COLLAR ON THE SEA ICE OF THE BEAUFORT SEA. THIS MATERIAL RELATES TO A PAPER THAT APPEARED IN THE 2 FEBRUARY 2018 ISSUE OF... [view more](#)

CREDIT: ANTHONY PAGANO, USGS

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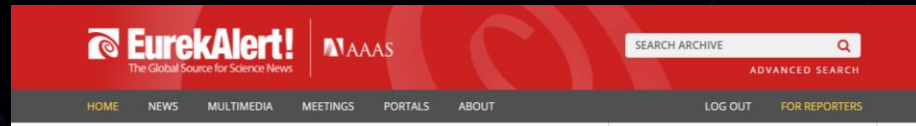
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PHYSIOLOGY

### TRANSLATIONS

中文 日本のニュース  
Español

### MULTIMEDIA



PUBLIC RELEASE: 1-FEB-2018

## 春の海水の減少が進み、ホッキョクグマの代謝作用の負担に

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE



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海水の状態が理想的な春のシーズンである春期のホッキョクグマを絶賛した調査により、多数のホッキョクグマが摂取量を超えるエネルギーを消費していることが判明した。ホッキョクグマは食料を専ら高脂肪なアザラシに頼っている。アザラシの捕獲は海面上から最も効率的であるが、北極圏一帯の海水面積は10年で14%というペースで減少しており、それによりホッキョクグマがアザラシを捕らえにくくなっている。Anthony Paganoらは2014年・2015年および2016年の4月にボーフォート海の海水でメスのホッキョクグマ9頭を捕獲し、この重要な時期のホッキョクグマのエネルギー消費について詳しく説明しようとした。Paganoらは捕獲後およそ8~11日後の再捕獲時の血液と尿のサンプルを分析し、それぞれのホッキョクグマの代謝率を測定した。さらにGPSを搭載した首輪をホッキョクグマに装着させ、日中の行動もビデオに録画した（関係するホッキョクグマ視点のビデオを参照のこと）。そのデータにより、ホッキョクグマの代謝作用はこれまで考えられていたより1.6倍高いことが判明した。さらに、9頭のうち4頭は8~11日間で体重が10%以上・1日平均1%減少していた（1頭は蓄積脂肪量が減っただけでなく、筋肉量も減少していた）。Paganoらによると、これは陸上にある空腹のホッキョクグマに見られた1日の体重減少量の4倍に当たるといふ。海水がさらに崩壊することで、ホッキョクグマのエネルギー消費・摂取率はなお一層アンバランスになるであろうとPaganoらは述べている。関係するPerspectiveでJohn P. Whitemanが今回の研究についてさらに詳しく説明している。

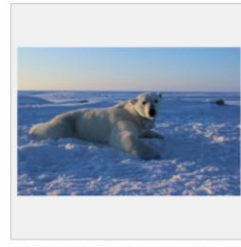


IMAGE: GPSビデオカメラ搭載の首輪を装着したボーフォート海の海水の上にいるホッキョクグマ THIS MATERIAL RELATES TO A PAPER THAT APPEARED IN THE 2 FEB. 2018 ISSUE OF SCIENCE, PUBLISHED BY AAAS. THE PAPER, BY A.M. PAGANO AT US GEOLOGICAL SURVEY IN... [view more](#)

CREDIT: ANTHONY PAGANO, USGS

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Increasing Loss of Spring Sea Ice Taxes Polar Bear Metabolism (1 of 1)



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PUBLIC RELEASE: 1-FEB-2018


## Polar bears finding it harder to catch enough seals to meet energy demands

*Study reveals high metabolic rates, meaning polar bears need a lot of fat-rich prey, but more than half of those studied were running an energy deficit*

UNIVERSITY OF CALIFORNIA - SANTA CRUZ



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IMAGE: THIS IS AN ADULT FEMALE POLAR BEAR ON THE SEA ICE WEARING A GPS SATELLITE VIDEO-CAMERA COLLAR. GPS VIDEO-CAMERA COLLARS WERE APPLIED TO SOLITARY ADULT FEMALE POLAR BEARS FOR 8...  
[view more](#)


CREDIT: ANTHONY PAGANO, USGS

A new study finds polar bears in the wild have higher metabolic rates than previously thought, and as climate change alters their environment a growing number of bears are unable to catch enough prey to meet their energy needs.

The study, published February 2 in *Science*, reveals the physiological mechanisms behind threatened declines in polar bear's populations. *Lead first author: Anthony Pagano, Ph.D.*

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More on this News Release

Polar bears finding it harder to catch enough seals to meet energy demands

UNIVERSITY OF CALIFORNIA - SANTA CRUZ

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Polar Bear Collar (IMAGE)



Polar Bear Waiting (IMAGE)



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PUBLIC RELEASE: 1-FEB-2018

## Study shows polar bear metabolic rates are higher than previously predicted

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A new study on polar bear metabolism, behavior, and foraging success sheds important light on their energy demands. The study, published in the journal *Science*, found that polar bears have metabolic rates greater than previously predicted and greater than other terrestrial mammals of similar size. The study reinforces the understanding that polar bears are reliant on a diet of fat-rich seals to survive in the energetically-demanding Arctic.

"We found that bears that were more active and moved greater distances had higher energy demands than less active bears" says Anthony Pagano, a Research Wildlife Biologist with the U.S. Geological Survey (USGS). "As a result, bears showed remarkable fluctuations in body mass based on their foraging success, emphasizing the feast or famine lifestyle of these animals." The study suggests that as Arctic sea ice diminishes and becomes more fragmented, it will further impact the energetic balance of polar bears by reducing their access to seal prey and by increasing their cost of travel.

This research was a collaborative effort led by the USGS and the University of California, Santa Cruz, with contributions by the San Diego Zoo, the Oregon Zoo, Washington State University and Polar Bears International. "The rapid pace at which sea ice losses are mounting means that we must work together to develop a science-based understanding how polar bears will be impacted by climate change," says Megan Owen, Ph.D., director of Population Sustainability at the San Diego Zoo Institute for Conservation Research.

Polar bears are listed as Vulnerable on the International Union for Conservation of Nature's (IUCN) Red List of Endangered Species and listed as threatened by the US Endangered Species Act. If Arctic sea ice continues to decrease at the current rate, the world's polar bear population is projected to decline by up to 30 percent in the next 30 years. For more than a decade, San Diego Zoo Global's researchers and its U.S. and Canadian partners have focused on contributing to science-based conservation strategies, to preserve and understand wild populations of polar bears. Today, it is estimated that there are approximately 23,000 polar bears living throughout the Arctic. However, human-induced climate change reductions in sea

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Study shows polar bear metabolic rates are higher than previously predicted

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## Study: Seafood, mushrooms and sunbathing can cut cancer risk

By HIROMI MINAMI/ Staff Writer  
March 25, 2018 at 07:00 JST

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Half-naked men enjoy sunbathing in Sapporo. (Asahi Shimbun file photo)

Higher blood levels of vitamin D, which is found in seafood, mushrooms and can be produced in the body through exposure to sunlight, decreases the risk of cancer, researchers have found.

A team of scientists from the National Cancer Center said the substance is likely associated with cancer prevention because it can prevent tumor cells from proliferating.

The findings were published in the British medical journal BMJ on March 8.

The Perfect Incentive  
At Half Moon, Jamaica

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WASABI - Japanese flavor  
This page takes a closer look at wasabi (Japanese horseradish), a condiment originating in Japan that has influenced food culture around the world.

360-DEGREE LIVES  
The page features videos of variety of animals. You can view the videos as interactive images that allows you to

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PUBLIC RELEASE: 7-MAR-2018

## Higher vitamin D levels may be linked to lower risk of cancer

One of the first studies to look at effects of vitamin D and cancer risk in an Asian population

BMJ

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High levels of vitamin D may be linked to a lower risk of developing cancer, including liver cancer, concludes a large study of Japanese adults published by *The BMJ* today.

The researchers say their findings support the theory that vitamin D might help protect against some cancers.

Vitamin D is made by the skin in response to sunlight. It helps to maintain calcium levels in the body to keep bones, teeth and muscles healthy. While the benefits of vitamin D on bone diseases are well known, there is growing evidence that Vitamin D may benefit other chronic diseases, including some cancers.

But so far, most studies have been carried out in European or American populations, and evidence from Asian populations is limited.

As Vitamin D concentrations and metabolism can vary by ethnicity, it is important to find out whether similar effects would be seen in non-Caucasian populations.



# Journal news release

Kyodo News\*



Urgent Life Arts Sports World Regional

## Bathing ape: Hot spring helping Japanese monkeys reduce stress, study says

KYODO NEWS - Apr 4, 2018 - 00:03 | All, Regional, Life



KYOTO – Japanese monkeys in central Japan appear to have less stress than usual when they bath in natural hot springs during winter to warm up, a study by a team of researchers showed Tuesday.

According to the study conducted in 2014 by the team led by Rafaela Sayuri Takeshita from Primate Research Institute Kyoto University and released Tuesday in the electronic edition of primatology journal *Primates*, stress levels of the monkeys were about 20 percent lower on average after bathing.

The research team observed 12 female monkeys at the Jigokudani Yaen-Koen monkey park in Nagano Prefecture and collected their dung to measure hormone called glucocorticoid to estimate their stress levels.

Takeshita said because Japanese monkeys grow more aggressive during the mating season in winter and their stress levels should rise accordingly, the study results point to the benefit of hot spring bathing.

The sight of the Japanese macaques, more commonly referred to as "snow monkeys," bathing at the hot spring is popular among tourists including those from abroad.



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PUBLIC RELEASE: 3-APR-2018

## Spa therapy helps Japan's snow monkeys cope with the cold

New data reveal that female Japanese macaques bathe in hot springs to lower stress from cold weather

SPRINGER



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IMAGE: SNOW MONKEY IN THE HOT SPRING AT THE JIGOKUDANI MONKEY PARK, NAGANO. [view more >](#)

CREDIT: KENTO MORI

Japanese macaques, also known as snow monkeys, have been enjoying regular baths in the hot spring at Jigokudani in Japan for decades – and have even become a popular tourist attraction. A team of researchers led by Rafaela Takeshita of Kyoto University in Japan have now published the first study to scientifically validate the benefits of this behaviour. These findings indicate how behavioural flexibility can help counter cold-climate stress and have likely implications for reproduction and survival. The study is available in *Primates*, the official journal of the Japan Monkey Centre, which is published by Springer.

Japanese macaques (*Macaca fuscata*) are the most northerly species of nonhuman primates in the world, and have adapted to extremely cold winters. Researchers believed that those living in the Jigokudani Monkey Park in Nagano maintain their normal body temperature due to having thicker and longer fur during winter. These primates are also the only group of monkeys known to take hot spring baths, a behaviour that was first observed in 1963 when a young female was seen in an outdoor hot spring belonging to a nearby hotel one snowy day. Other monkeys soon copied this behaviour, and for hygienic purposes, the park management has since built a hot spring for the exclusive use of the monkeys. By 2003, one in every three females in the group bathed regularly in winter.

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Spa therapy helps Japan's snow monkeys cope with the cold  
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FUNDER:  
Primate Research Institute, Leading Program in Primatology and Wildlife Science, Japan Society for the Promotion of Science, Nippon Foundation

### KEYWORDS

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Snow Monkey in the Hot Spring at the Jigokudani Monkey Park, Nagano (IMAGE)

### ORIGINAL SOURCE

<http://www.springer.com/gp/about-springer/media/research-news/all-english-research-news/spa-therapy-helps-japan-s-snow-monkeys-cope-with-the-cold/15577124>

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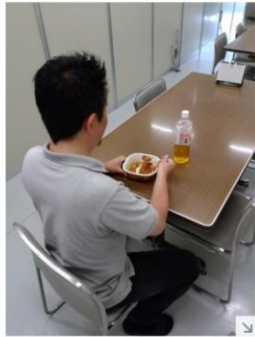
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## Eating while looking at yourself in mirror makes food taste better: study

June 12, 2017 (Mainichi Japan)

Japanese version



A man is seen eating his lunch alone at his office in Tokyo's Chiyoda Ward on June 12, 2017. (Mainichi)

Are you tired of eating alone? Why not try dining with your mirror image? Your food will taste better, according to a recent cognitive science study.

A team of scientists at Nagoya University's Graduate School of Information Science conducted an experiment with 16 seniors aged between 65 and 74 and also with 16 university students aged 20 to 23. The subjects were asked to eat salted popcorn and caramel-flavored popcorn for 90 seconds each alone in small rooms, and compare the taste of the popcorn when eating with a mirror in front of them and without. They were then asked to give points to the taste for each time.

Both groups gave higher points to the popcorn -- for both flavors -- they ate in front of a mirror. The

portion of the popcorn they ate was also greater by 5 to 13 percent, regardless of the flavor or age group, when they ate with a mirror than they did without.

According to the team led by Nagoya University researcher Ryuzaburo Nakata and associate professor Nobuyuki Kawai, the phenomenon of performing better in



The Mainichi on social media



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Japan researchers invent



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PUBLIC RELEASE: 8-JUN-2017

## Lost your appetite? Try inviting yourself to dinner

Eating in front of a mirror -- or even with a picture of yourself eating -- makes food more appealing

NAGOYA UNIVERSITY



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IMAGE: A WOMAN IS EATING POPCORN ALONE IN FRONT OF A MIRROR, OR A MONITOR DISPLAYING A WALL OR HER STATIC IMAGE. PEOPLE REPORTED THE POPCORN AS TASTING BETTER, AND CONSUMED... [view more >](#)

CREDIT: NAGOYA UNIVERSITY

Nagoya, Japan - People rate food as tasting better, and eat more of it, when they eat with company than when they eat alone. This so-called "social facilitation of eating" is a well-established phenomenon; however, exactly what it is about company that produces the effect is not clear.

Now, researchers at Nagoya University have discovered that the same effect can be achieved in individuals eating alone simply by providing a mirror to reflect them while they eat. The study was published in *Physiology & Behavior*.

"We wanted to find out what the minimum requirement is for the social facilitation of eating," lead author Ryuzaburo Nakata says. "Does another person have to actually be physically present, or is information suggesting the presence of others sufficient?" The researchers found that people eating alone reported food as tasting better, and ate more of it, when they

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SOCIAL/BEHAVIORAL SCIENCE

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Food Tastes Better in Front of a Mirror, or even with a Picture of Yourself Eating (IMAGE)

### ORIGINAL SOURCE



# Multimedia



新潟県の米山隆一知事「女性問題です」涙で辞任示唆「相手

これだけは知っておきたい！消費者契約のABC／政府広報 [PR]

2018.4.16 06:23

文字の大きさ 小 中 大 印刷

【科学】

目が4つあるトカゲの化石 4900万年前、米国に生息

ツイート 反応 シェア 共有 必ずしも読まない



4つの目を持つトカゲの復原図。頭頂部(特約)に2つの目がある(センケンベルク自然史協会、アンドレアス・ラッハマン氏、デジモーププロジェクト提供)

4つの目を持つ大型のトカゲが約4900万年前、米国に生息していたことがドイツと米国の共同研究チームによる化石の分析で分かった。目が4つある脊椎動物は魚類以外では初めてで、米専門誌に論文が掲載された。

このトカゲはオオトカゲの一種で全長1〜2メートル。米ワイオミング州で1871年に発掘された化石を엑스線透視で詳しく調べたところ、通常の目は別に、頭頂部に小さな2つの特殊な目を持つことが分かった。

トカゲやカエル。魚の一部は3つの目を持つことが知られている。「第3の目」はホルモンを分泌する器官で、一部の両生類や魚類に存在する。トカゲの目を持つことは、その祖先から引き継がれた特徴で、トカゲの祖先は魚類から進化したと考えられている。

PUBLIC RELEASE: 2-APR-2018

## Extinct monitor lizard had four eyes, fossil evidence shows

CELL PRESS

f t y d s SHARE

PRINT E-MAIL



VIDEO: THIS VIDEO SHOWS A MONITOR LIZARD SKULL FOSSIL FRAGMENT (YPM VP 613), ON WHICH BOTH THE PARIETAL AND PINEAL FORAMINA ARE VISIBLE (HIGHLIGHTED IN YELLOW). [view more >](#)

CREDIT: YALE PEABODY MUSEUM OF NATURAL HISTORY

Researchers reporting in *Current Biology* on April 2 have evidence that an extinct species of monitor lizard had four eyes, a first among known jawed vertebrates. Today, only the jawless lampreys have four eyes.

The third and fourth eyes refer to pineal and parapineal organs, eye-like photosensory structures on the top of the head that play key roles in orientation and in circadian and annual cycles. The new findings help to elucidate the evolutionary history of these structures among vertebrates.

The photosensitive pineal organ is found in a number of lower vertebrates such as fishes and frogs, the researchers explain. It's often referred to as the "third eye" and was widespread in primitive vertebrates.

"On the one hand, there was this idea that the third eye was simply reduced independently in many different vertebrate groups such as mammals and birds and is retained only in lizards among fully land-dwelling vertebrates," says Krister Smith at the Senckenberg Research Institute in Germany. "On the other hand, there was this idea that the lizard third eye developed from a different organ, called the parapineal, which is well developed in lampreys.

### Media Contact

Joseph Caputo  
jcaputo@cell.com  
617-335-6270

@CellPressNews

<http://www.cellpress.com>

### More on this News Release

Extinct monitor lizard had four eyes, fossil evidence shows  
CELL PRESS

JOURNAL  
*Current Biology*

### KEYWORDS

BIOLOGY PALEONTOLOGY

### MULTIMEDIA

YPM VP 613 Fossil  
(VIDEO)

YPM VP 1074 Fossil  
(VIDEO)



Reconstruction  
(IMAGE)

### RELATED JOURNAL ARTICLE

<http://dx.doi.org/10.1016/j.cub.2018.02.021>



# Embargoed News




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ADVANCED


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### TRENDING SCIENCE NEWS




Researchers sample a DC swamp to study a spineless creature  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

We are much more unique than assumed  
TECHNICAL UNIVERSITY OF MUNICH (TUM)



Monitoring soil structure changes after compaction  
AMERICAN SOCIETY OF AGRONOMY

Acupuncture relieves pain in emergency patients: Study  
RMIT UNIVERSITY



Could therapy animal visitation pose health risks at patient facilities?  
TUFTS UNIVERSITY

Using sunlight to the max  
KING ABDULLAH UNIVERSITY OF SCIENCE & TECHNOLOGY (KAUST)

Ebola vaccine developed in Canada shows promising results  
CANADIAN MEDICAL ASSOCIATION JOURNAL

Medicaid expansion states saw ER visits go up, uninsured ER visits go down  
AMERICAN COLLEGE OF EMERGENCY PHYSICIANS

New CDC data shows gaps remain in surveillance for mosquitoes that transmit Zika  
ENTOMOLOGICAL SOCIETY OF AMERICA

New three-in-one blood test opens door to precision medicine for prostate cancer  
INSTITUTE OF CANCER RESEARCH

Research finds common household chemicals lead to birth defects in mice  
VIRGINIA TECH

### BREAKING NEWS

Potential Atlantic Ocean Tropical Cyclone 2 examined by NASA  
NASA/GODDARD SPACE FLIGHT CENTER 13m

Discovery could lead to sustainable ethanol made from carbon dioxide  
STANFORD UNIVERSITY 15m

Family of patients with NAFLD and cirrhosis are at increased risk of liver fibrosis  
JCI JOURNALS 27m

Healthcare providers should individualize patient education  
AMERICAN HEART ASSOCIATION 27m


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### Multi-Language News

En Français > Auf Deutsch >

En Español > Em Português >

日本語のニュース > 中文 >

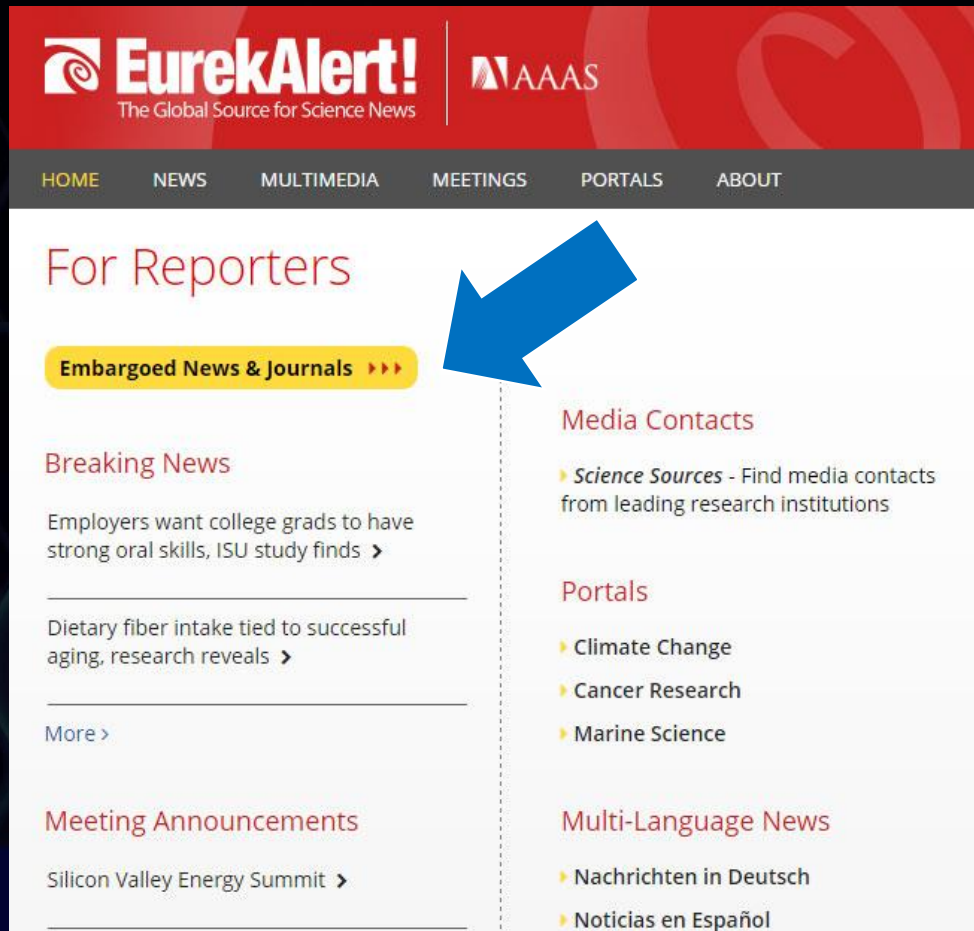


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# Embargoed News



The screenshot shows the EurekAlert! website interface. At the top is a red header with the 'EurekAlert!' logo and tagline 'The Global Source for Science News', and the AAAS logo. Below this is a dark grey navigation bar with links: HOME, NEWS, MULTIMEDIA, MEETINGS, PORTALS, and ABOUT. The main content area is white and titled 'For Reporters'. A blue arrow points to a yellow button labeled 'Embargoed News & Journals >>>'. Below this button, there are three sections: 'Breaking News' with two news items and a 'More >' link; 'Meeting Announcements' with one item; and 'Media Contacts' with a link to 'Science Sources'. To the right of these are 'Portals' (Climate Change, Cancer Research, Marine Science) and 'Multi-Language News' (Nachrichten in Deutsch, Noticias en Español).

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## For Reporters

**Embargoed News & Journals >>>**

### Breaking News

Employers want college grads to have strong oral skills, ISU study finds >

Dietary fiber intake tied to successful aging, research reveals >

More >

### Meeting Announcements

Silicon Valley Energy Summit >

### Media Contacts

▶ *Science Sources* - Find media contacts from leading research institutions

### Portals



- ▶ Climate Change
- ▶ Cancer Research
- ▶ Marine Science


### Multi-Language News

- ▶ Nachrichten in Deutsch
- ▶ Noticias en Español



# Embargoed News



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HOME NEWS MULTIMEDIA MEETINGS PORTALS ABOUT LOGIN REGISTER

**EMBARGOED: 1-JUN-2016 11:00 ET (1-JUN-2016 15:00 GMT/UTC)**

**Survey suggests patients prefer dermatologists in professional attire, white coat**

THE JAMA NETWORK JOURNALS

The majority of patients prefer their dermatologists to be dressed in professional attire with a white coat, according to an article published online by JAMA Dermatology.

JOURNAL *JAMA Dermatology*

**EMBARGOED: 1-JUN-2016 11:00 ET (1-JUN-2016 15:00 GMT/UTC)**

**Studies examine use of newer blood test to help identify or rule-out heart attack**

THE JAMA NETWORK JOURNALS

Two studies published online by JAMA Cardiology examine the usefulness of a high-sensitivity cardiac troponin I assay to help identify or exclude the diagnosis of a heart attack for patients reporting to an emergency department with chest pain.

JOURNAL *JAMA Cardiology*

**EMBARGOED: 1-JUN-2016 11:00 ET (1-JUN-2016 15:00 GMT/UTC)**

**Long-term marijuana use associated with periodontal disease**

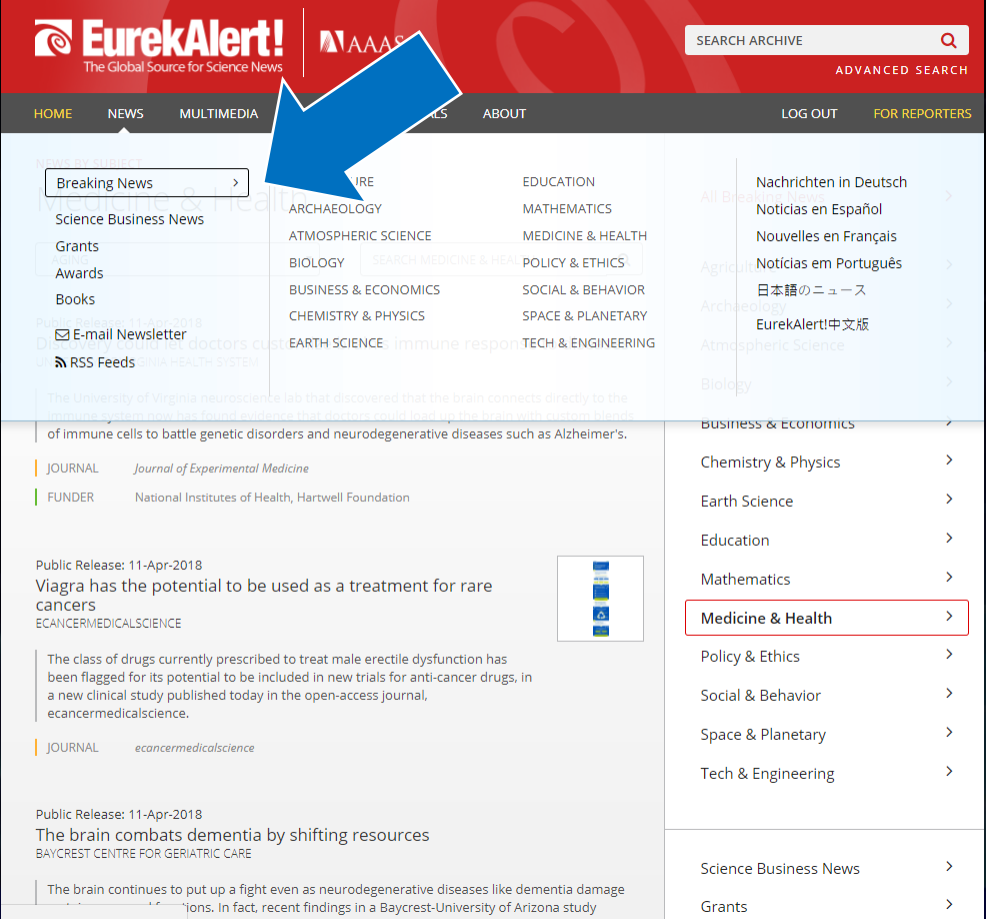
THE JAMA NETWORK JOURNALS

While using marijuana for as long as 20 years was associated with periodontal disease, it was not associated with some other physical health problems in early midlife at age 38, according to an article published online by JAMA Psychiatry.

JOURNAL *JAMA Psychiatry*



# Breaking news



The screenshot shows the EurekAlert! website interface. At the top, the logo 'EurekAlert! The Global Source for Science News' is visible alongside the AAAS logo. A search bar labeled 'SEARCH ARCHIVE' and an 'ADVANCED SEARCH' link are in the top right. The main navigation bar includes links for HOME, NEWS, MULTIMEDIA, and ABOUT. A large blue arrow points to the 'Breaking News' link in the 'NEWS BY SUBJECT' dropdown menu. The 'Breaking News' section is highlighted with a red border. Below this, a list of news items is displayed, including 'Viagra has the potential to be used as a treatment for rare cancers' and 'The brain combats dementia by shifting resources'. The right sidebar contains a list of subject categories, with 'Medicine & Health' highlighted in red.

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ADVANCED SEARCH

HOME NEWS MULTIMEDIA ABOUT LOG OUT FOR REPORTERS

NEWS BY SUBJECT

- Breaking News
- Science Business News
- Grants
- Awards
- Books
- E-mail Newsletter
- RSS Feeds

ARCHAEOLOGY  
ATMOSPHERIC SCIENCE  
BIOLOGY  
BUSINESS & ECONOMICS  
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Biology

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Earth Science  
Education  
Mathematics  
**Medicine & Health**  
Policy & Ethics  
Social & Behavior  
Space & Planetary  
Tech & Engineering

Science Business News  
Grants

Public Release: 11-Apr-2018  
**Viagra has the potential to be used as a treatment for rare cancers**  
ECANCERMEDICALSCIENCE

The class of drugs currently prescribed to treat male erectile dysfunction has been flagged for its potential to be included in new trials for anti-cancer drugs, in a new clinical study published today in the open-access journal, *ecancermedicalscience*.

JOURNAL *ecancermedicalscience*

Public Release: 11-Apr-2018  
**The brain combats dementia by shifting resources**  
BAYCREST CENTRE FOR GERIATRIC CARE

The brain continues to put up a fight even as neurodegenerative diseases like dementia damage neurons. In fact, recent findings in a Baycrest-University of Arizona study



# Breaking news

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**NEWS BY SUBJECT**

Medicine & Health

AGING  MEDICINE & HEALTH

- ALL MEDICINE & HEALTH NEWS
- ADDICTION
- AGING**
- AIDS/HIV
- ALTERNATIVE MEDICINE
- ALZHEIMER'S DISEASE
- BREAST CANCER
- CANCER
- CARCINOGENS
- CARDIOLOGY
- CHOLESTEROL
- CIRCADIAN RHYTHM
- CLINICAL TRIALS
- CRITICAL CARE/EMERGENCY MEDICINE
- DEATH/DYING
- DENTISTRY/PERIODONTAL DISEASE
- DERMATOLOGY
- DEVELOPMENTAL/REPRODUCTIVE BIOLOGY

**All Breaking News** >

Agriculture >

Archaeology >

Atmospheric Science >

Biology >

Business & Economics >

Chemistry & Physics >

Earth Science >

Education >

Mathematics >

**Medicine & Health** >

Policy & Ethics >

Social & Behavior >

Space & Planetary >


Tech & Engineering >


Science Business News >


Grants >



# Breaking news

The Global Source for Science News




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ADVANCED SEARCH

HOME NEWS MULTIMEDIA MEETINGS PORTALS ABOUT LOG OUT FOR REPORTERS

NEWS BY SUBJECT

Medicine & Health

AGING 

SEARCH MEDICINE & HEALTH 


Public Release: 11-Apr-2018  
Discovery could let doctors customize brain's immune response to diseases  
UNIVERSITY OF VIRGINIA HEALTH SYSTEM

The University of Virginia neuroscience lab that discovered that the brain connects directly to the immune system now has found evidence that doctors could load up the brain with custom blends of immune cells to battle genetic disorders and neurodegenerative diseases such as Alzheimer's.

JOURNAL *Journal of Experimental Medicine*

FUNDER National Institutes of Health, Hartwell Foundation

Public Release: 11-Apr-2018  
Viagra has the potential to be used as a treatment for rare cancers  
ECANCERMEDICALSCIENCE



The class of drugs currently prescribed to treat male erectile dysfunction has been flagged for its potential to be included in new trials for anti-cancer drugs, in a new clinical study published today in the open-access journal, *ecancermedicalscience*.

JOURNAL *ecancermedicalscience*

Public Release: 11-Apr-2018  
The brain combats dementia by shifting resources  
BAYCREST CENTRE FOR GERIATRIC CARE

The brain continues to put up a fight even as neurodegenerative diseases like dementia damage certain areas and functions. In fact, recent findings in a Baycrest-University of Arizona study

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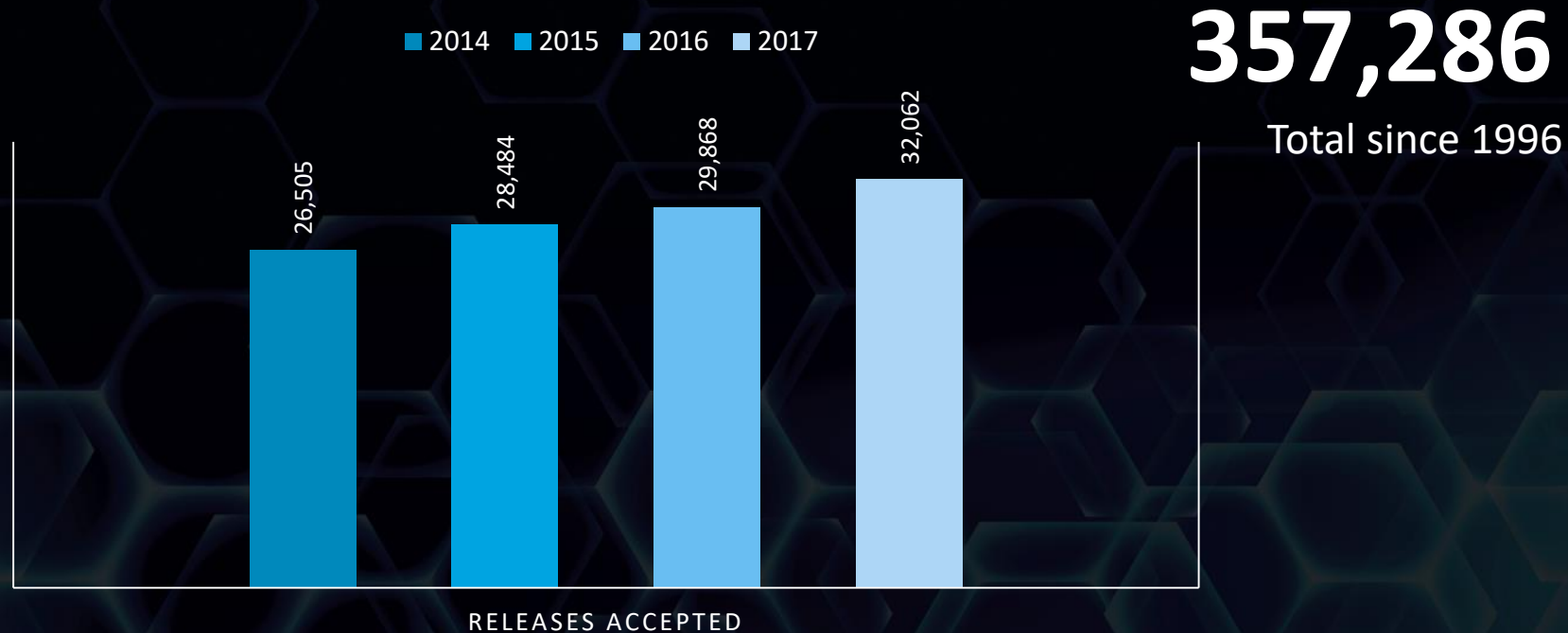
Tech & Engineering >

Science Business News >

Grants >



# English News Releases





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- Daily or weekly e-mail alert
- Embargoed or breaking News



## Daily Embargoed EurekAlert! Express

for Jennifer Holshue  
on 1-Jun-2016

These items are still under strict embargo. As such, we provide only titles and links to access them. Republishing materials via EurekAlert! are required to uphold embargo release times.

Please note that EurekAlert! Express is intended for registered e-mail recipients only. Any reporter found publishing EurekAlert! Express information, or sharing a EurekAlert! password, will lose access to embargoed news for a period of up to six months.

Please note further that anyone using embargoed information for trading purposes may be in violation of securities laws.

### Cooler and wetter: Study links irrigation to inaccurate climate perception

Research News Release: Embargoed until 1-Jun-2016 09:00 ET(1-Jun-2016 13:00 GMT)

### Scientists find genetic cause of multiple sclerosis

Research News Release: Embargoed until 1-Jun-2016 12:00 ET(1-Jun-2016 16:00 GMT)

### Genetic switch that turned moths black also colors butterflies

Research News Release: Embargoed until 1-Jun-2016 13:00 ET(1-Jun-2016 17:00 GMT)

### Ironing out the mystery of Earth's magnetic field

Research News Release: Embargoed until 1-Jun-2016 13:00 ET(1-Jun-2016 17:00 GMT)

### Long-term memory test could aid earlier Alzheimer's diagnosis

Research News Release: Embargoed until 1-Jun-2016 05:00 ET(1-Jun-2016 09:00 GMT)

### Schoolkids name a new tree species from Tanzania while fundraising for tropical forests

Research News Release: Embargoed until 1-Jun-2016 11:00 ET(1-Jun-2016 15:00 GMT)

### Scripps Florida scientists create compound that erases disease-causing RNA defect

Research News Release: Embargoed until 1-Jun-2016 05:00 ET(1-Jun-2016 09:00 GMT)



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The main content area is divided into several sections:

- Embargoed News & Journals**: A dropdown menu with options: Breaking News, Meeting Announcements, Press Conferences, Science Business News, Grants, Awards, Books, and Releases from News Media.
- MULTIMEDIA**: All Multimedia, Images, Video, Audio.
- EXPERTS**: My Experts, Search for Experts.
- MEDIA CONTACTS**: Search for media contacts.
- MY ACCOUNT**: Edit profile, Change password, My EurekAlert!, and **EurekAlert! Express E-mail Alerts** (highlighted with a blue arrow).

Below these sections, there are various news snippets and lists:


- Meeting Announcements**: Save the date: Alzheimer's Association International Conference 2018, Better diagnosing heart transplant rejection and injury.
- Press Conferences**: American Chemical Society's 255th National Meeting & Exposition press conference schedule.
- Portals**: Climate Change, Cancer Research, Marine Science.
- Multi-Language News**: Nachrichten in Deutsch, Noticias en Español, Nouvelles en Français, Notícias em Português, 日本語のニュース, 中文.
- Experts**: My Experts, Search for Experts.
- My Releases**: Light 'relaxes' crystal to boost solar cell efficiency, Newly discovered hormone helps keep plants from dehydrating.


At the bottom right, there is a logo for EurekAlert! and the hashtag #EurekAlertTrending.




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☒ Meeting and Press Conference Announcements

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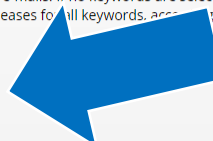
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2012 International Microbicides Conference  
2018 PIO Seminar  
21st Century School  
23andMe, Inc.

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- ☒ Australia
- ☒ Europe
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- Space/Planetary Science
- Technology/Engineering/Computer Science

☐ **Agriculture**

- ☐ Agricultural Production/Economics
- ☐ Fertilizers/Pest Management
- ☐ Fisheries/Aquaculture
  - ☐ Marine/Freshwater Biology
- ☐ Food/Food Science
- ☐ Forestry
  - ☐ Plant Sciences

☐ **Archaeology**

- ☐ New World
- ☐ Old World

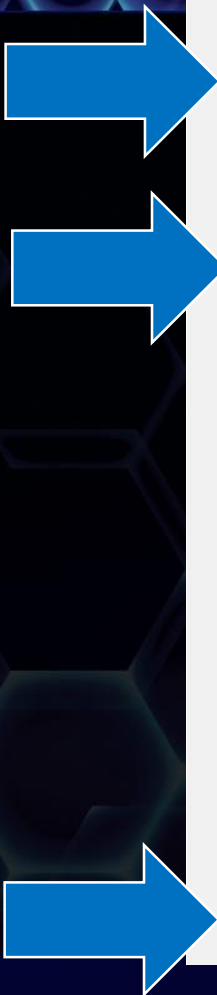
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- ☐ Atmospheric Chemistry



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    - ☒ Biodiversity
    - ☐ Bioinformatics
    - ☐ Biomechanics/Biophysics
    - ☐ Biotechnology
      - ☐ Biomedical/Environmental/Chemical Engineering
  - ☐ Cell Biology
  - ☐ Chemical/Biological Weapons
  - ☒ Climate Change
  - ☐ Developmental/Reproductive Biology
  - ☐ Ecology/Environment
  - ☐ Entomology
  - ☐ Evolution
    - ☐ Paleontology
  - ☐ Genetics
    - ☐ Gene Therapy
    - ☐ Genes
  - ☐ Marine/Freshwater Biology
    - ☐ Fisheries/Aquaculture
  - ☐ Microbiology
  - ☐ Molecular Biology
  - ☐ Mycology
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  - ☐ Parasitology
  - ☐ Physiology
  - ☐ Plant Sciences
    - ☐ Forestry
  - ☐ Pollution/Remediation
  - ☐ Population Biology
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  - ☐ Zoology/Veterinary Science
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# Research News

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21st Century School  
23andMe, Inc.

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## Fair and equitable access to science news

## 2018

Public Release: 11-Apr-2018

卵巣癌と戦えるように免疫系をトレーニングする  
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

パイロット臨床試験の結果によれば、個別化癌ワクチンは安全かつ効果的に免疫反応を促進し、がん細胞の生存率を高めた。

JOURNAL Science Translational Medicine

Public Release: 10-Apr-2018

腸内細菌が血糖値・血中脂質に影響するメカニズムを解明  
KUMAMOTO UNIVERSITY

近年、腸内細菌は宿主であるヒトの生理機能や疾患に様々な影響を与えることで注目されています。今回、研究者らは、腸内細菌の変化が糖や脂質の代謝に与える影響を解析した結果、腸内細菌によって産生される二次胆汁酸が血糖値及び血中の脂質濃度に関与していることと、その分子メカニズムの一端を明らかにしました。

JOURNAL Scientific Reports

**FUNDER** Grant-in-Aids for Scientific Research from the Japanese Society for the Promotion of Science (KAKENHI), AMED-CREST from Japan Agency for Medical Research and Development

Public Release: 10-Apr-2018

電子に強烈な影響を与える偏光

OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY (OIST) GRADUATE UNIVERSITY

新たな研究により2次元システムにおける電子の動きを理解することを目指します

JOURNAL *Physical Review Letters*

**FUNDER** Okinawa Institute of Science and Technology Graduate University (OIST)

Public Release: 8-Apr-2018

気孔開口を抑制する新しい化合物を発見

INSTITUTE OF TRANSFORMATIVE BIO-MOLECULES (ITBM), NAGOYA UNIVERSITY

名古屋大学トランスフォーマティブ生命分子研究所 (WPI-iTbM) の木下 俊則 (きのしたのし) 教授・佐藤 謙人 (さとうあやと) 准助教・大学院農学研究科の藤友 隆哉 (とうりゆうりゅう) 研究員 (現・明治大学農学部特任助教)・井上 心平 (いのうえしんぺい) 大学院生 (当時)、東北大学工学研究科の魚住 佳之 (うおずみのぶゆき) 教授らの研究チームは、植物の気孔開口を抑制する新規の化合物を発見しました。

JOURNAL *Plant & Cell Physiology*

## リソース

» Science ウィークリー・ハイライト

※ Science Translational Medicine ウィークリー・ハイライト

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# Japan Portal

	2014	2015	2016	2017
News Releases in Japanese	18	158	252	487
Institutions	7	19	19	38
Reporters	234	270	275	300




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## EurekAlert! 日本語

Public Release: 2-Nov-2017  
科学協力により国際安定はどう促進されるか  
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

今回のPolicy ForumではPaul Arthur Berkman氏が、北米圏における国際科学協力が地政学的な競争が起きている国々間の利益の共有にどう役立つかを説明している。

JOURNAL Science

Public Release: 2-Nov-2017  
正味なキラルクラスターを組み立てるデザイン  
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

特定のキラルディキエを有するマイクロサイズのコロイド結晶クラスターを、折り紙DNAのストランドを用いて正確に組み立てる方法が開発された。

JOURNAL Science

Public Release: 2-Nov-2017  
デング再感染がより危険になる抗薬性の範囲が明らかに  
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

新たな研究により、再感染した際に感染性のデングウイルスに対する免疫を軽減する抗薬性の決定的な範囲が明らかにされた。

JOURNAL Science

Public Release: 2-Nov-2017  
腸内微生物は免疫療法に対するがん患者の反応にどのような影響を及ぼすのか  
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

### リソース

» Science ワークリー・ハイライト  
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# Content from Japan

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**2017**

Japanese NRs from Japan

**226**

Japanese NRs from SciPak

**252**

Japanese NRs from outside Japan

**9**

English NRs from Japan

**677**

Total

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# Journal Press Packages

American Chemical Society

ASBMB

Astrophysical Journal

BMJ

Cell Press

JAMA Network

The Lancet

PLOS

PNAS

Rockefeller University Press

Science Family of Journals

## Embargoed News

All embargoed release times are listed in United States Eastern Time (ET US) and GMT/UTC

**EMBARGOED: 4-JUL-2017 07:00 ET (4-JUL-2017 11:00 GMT/UTC)**

**Gigantic crocodile with T. rex teeth was a top land predator of the Jurassic in Madagascar**

PEERJ



Little is known about the origin and early evolution of the Notosuchia, hitherto unknown in the Jurassic period. New research on fossils from Madagascar begin to fill the gap in a million-year-long ghost lineage. Deep and massive jaw bones armed with enormous serrated teeth that are similar in size and shape to those of a T. rex strongly suggest that these animals fed also on hard tissue such as bone and tendon.

JOURNAL *PeerJ*

**EMBARGOED: 4-JUL-2017 09:30 ET (4-JUL-2017 13:30 GMT/UTC)**

**The transfer of chromosomally 'abnormal' embryos can still result in pregnancy in IVF**

EUROPEAN SOCIETY OF HUMAN REPRODUCTION AND EMBRYOLOGY

IVF embryos whose cells have mixed chromosomal profiles -- one normal, another abnormal -- still have the potential to implant in the uterus and become a healthy pregnancy, according to a study presented today at the 33rd Annual Meeting of ESHRE.

MEETING 33rd ESHRE Annual Meeting

**EMBARGOED: 4-JUL-2017 09:30 ET (4-JUL-2017 13:30 GMT/UTC)**

**Study finds automated embryo assessment system more accurate than that of embryologists**

EUROPEAN SOCIETY OF HUMAN REPRODUCTION AND EMBRYOLOGY

Embryo quality has long been considered the main determinant of implantation and pregnancy in IVF. Morphology -- a visual assessment of an embryo's shape and development -- has since the very first days of IVF been the key to measuring this embryo quality, and only in recent years has this morphological grading been made somewhat more scientific with the introduction of time-lapse

### Journals

American Chemical Society >

ASBMB >

Astrophysical Journal >

British Medical Journal >

Cell Press >

JAMA Network Journals >

The Lancet >

PLOS >

PNAS >

Rockefeller University Press (JCB, JEM, JGP) >

Science >

Science Advances >

Science Immunology >

Science Robotics >

Science Translational Medicine >





# SciPak

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**Science Press Package**

**This information is embargoed until:**  
2:00 PM U.S. Eastern Time, Thursday, 2 June 2016  
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Please cite the journal *Science* and the publisher, AAAS, the science society, as the source of this information. Please hyperlink to [www.sciencemag.org](http://www.sciencemag.org) when publishing online. So that the press package team can better follow reporters' *Science* family of journal coverage on Twitter (sharing this coverage with our followers, when possible), please consider Tweeting your coverage of *Science* journal research using the hashtag #scimag.

**THIS WEEK'S Multimedia Features:**

- Microplastics Alter Hatching, Growth and Feeding of European Perch  
Issue of 3 June 2016
- A CRISPR System for Editing RNA
- Did Ancient Wolves Befriend Humans Twice?
- Swirling Ammonia Lies Below Jupiter's Thick Clouds

**Science** | **AAAS**  
Science Press Package

**Science Translational Medicine** | **AAAS**  
Science Translational Medicine Press Package

**Summaries of 3 June 2016 *Science* articles**

- ▶ Editorial
- ▶ Microplastics Alter Hatching, Growth and Feeding of European Perch  
visuals  
news release
- ▶ A CRISPR System for Editing RNA  
visuals  
news release
- ▶ Did Ancient Wolves Befriend Humans Twice? "free"  
multimedia  
Science news  
news release
- ▶ Swirling Ammonia Lies Below Jupiter's Thick Clouds  
multimedia  
Science news  
news release
- ▶ A Reality Check on the Significance of the P Value
- ▶ A Microscopic Microscope  
YouTube video  
news release
- ▶ Mapping Even the Most Transient RNAs
- ▶ And more in this week's issue of *Science*...
- ▶ Special Notes to Registrants

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# SciPak

- Weekly e-mail tipsheet
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The screenshot shows the Science Press Package page. At the top, the Science and AAAS logos are displayed. Below them is a navigation bar with links: Return to EurekAlert!, Embargo Policy/Time, Find Local Authors, Press Package Archives, and --SciPak Guide--. The main content area is titled "Science Press Package" and includes an embargo notice: "This information is embargoed until: 2:00 PM U.S. Eastern Time, Thursday, 2 June 2016. Check timezone conversions [here](#)." A large blue arrow points to this notice. Below the notice, there is a paragraph about citing the journal and publisher. To the right, there is a "Science Multimedia Gallery" featuring a butterfly image. Below the gallery, there are "Current Multilingual Summaries" in Japanese, Spanish, and Chinese, and a "Search the Journal" section. The left sidebar contains a "THIS WEEK'S Multimedia Features:" section with links to various articles, a "Science Press Package" logo, and a "Science Translational Medicine Press Package" logo. A "View all Summaries" button is located on the right side of the main content area.

Science Press Package

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Summaries of 3 June 2016 *Science* articles

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visuals  
news release
- ▶ A CRISPR System for Editing RNA  
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Science Press Package

Science Translational Medicine Press Package

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# PNAS

- Weekly e-mail tipsheet
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- TOC by subject, location
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Proceedings of the National Academy of Sciences of the United States of America

# PNAS

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## Selected Article Highlights

Articles to be published in [PNAS Online Early Edition](#) the week of August 14, 2017 — August 18, 2017

**EMBARGOED: 14-AUG-2017 15:00 ET** (14-AUG-2017 19:00 GMT/UTC)

### Climate and feeding behavior in lake trout

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES

An 11-year study of lake trout (*Salvelinus namaycush*), a cold-water fish, conducted at the Canadian International Institute for Sustainable Development Experimental Lakes Area found that during warmer years lake trout had reduced access to shallow water habitats, leading to a diet of relatively smaller prey and reduced growth, compared with cooler years, suggesting a link between climate change and top predators' feeding behavior and energy acquisition.

JOURNAL *Proceedings of the National Academy of Sciences*

**EMBARGOED: 14-AUG-2017 15:00 ET** (14-AUG-2017 19:00 GMT/UTC)

### Prevalence of knee osteoarthritis

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES

Using more than 2,000 cadaver skeletons from the early industrial era, which marks the period from the 1800s to early 1900s, and the modern postindustrial era, which marks the period from the late 1900s to early 2000s, as well as 176 skeletons of prehistoric individuals, researchers found knee osteoarthritis (OA) in 16 percent of the postindustrial individuals 50 years and older, but only in 6 percent and 8 percent of the early industrial and prehistoric samples, respectively.

JOURNAL *Proceedings of the National Academy of Sciences*

**EMBARGOED: 14-AUG-2017 15:00 ET** (14-AUG-2017 19:00 GMT/UTC)

### Sorghum yield and temperature

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES

In a study that included data on 408 varieties of sorghum, researchers used statistical modeling to



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# PNAS

- Weekly e-mail tipsheet
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- 6-month archive

ASIA

| China | | Japan | |



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## JAPAN

### Nuclear export of ubiquitinated proteins via the UBIN-POST system

*Shoshiro Hirayama, Munehika Sugihara, Daisuke Morita, Shun-ichiro Iemura, Toru Natsume, Shigeo Murata, Kazuhiro Nagata*

Laboratory of Protein Metabolism, Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo, Japan; Faculty of Life Sciences, Kyoto Sangyo University, Kyoto, Japan; Institute for Protein Dynamics, Kyoto Sangyo University, Kyoto, Japan; CREST, Japan Science and Technology Agency, Saitama, Japan; Biomedical Information Research Center, National Institute of Advanced Industrial Science and Technology, Tokyo, Japan

AFTER THIS ARTICLE PUBLISHES, it will be available at  
<http://www.pnas.org/cgi/doi/10.1073/pnas.1711017115>

### How does a molecule vibrate when you “touch” it?

*Norio Okabayashi, Angelo Peronio, Magnus Paulsson, Toyoko Arai, Franz J. Giessibl*

Institute of Experimental and Applied Physics, University of Regensburg, D-93053 Regensburg, Germany; Graduate School of Natural Science and Technology, Kanazawa University, 920-1192 Ishikawa, Japan; Department of Physics and Electrical Engineering, Linnaeus University, 391 82 Kalmar, Sweden

AFTER THIS ARTICLE PUBLISHES, it will be available at  
<http://www.pnas.org/cgi/doi/10.1073/pnas.1721498115>

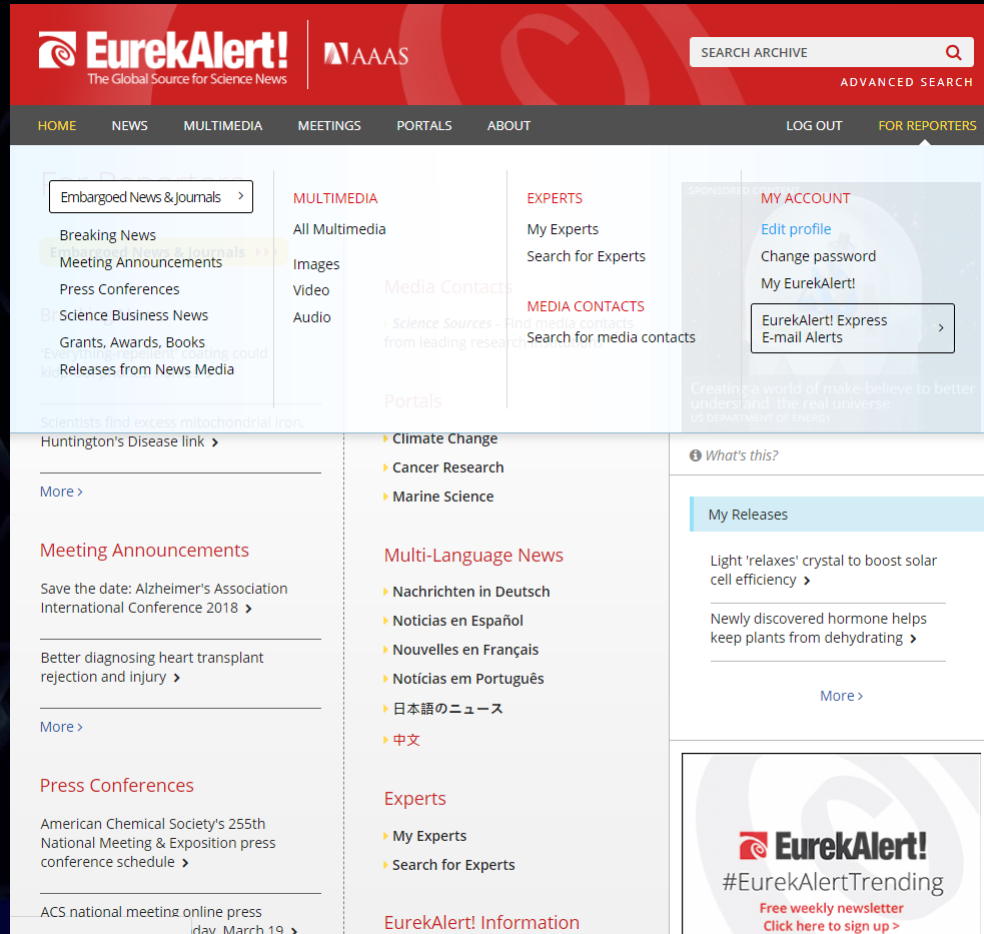
### Thermally stable, highly efficient, ultraflexible organic photovoltaics

*Xiaomin Xu, Kenjiro Fukuda, Akchheta Karki, Sungjun Park, Hiroki Kimura, Hiroaki Jinno, Nobuhiro Watanabe, Shuhei Yamamoto, Satoru Shimomura, Daisuke Kitazawa, Tomoyuki Yokota, Shinjiro Umezu, Thuc-Quyen Nguyen, Takao Someya*

Center for Emergent Matter Science, RIKEN, Wako, 351-0198 Saitama, Japan; Thin-Film Device Laboratory, RIKEN, Wako, 351-0198 Saitama, Japan; Japan Science and Technology Agency, Precursory Research for Embryonic Science and Technology, Kawaguchi, 332-0012 Saitama, Japan; Center for Polymers and Organic Solids, University of California, Santa Barbara, CA 93106; Department of Modern Mechanical Engineering, Waseda University, Shinjuku, 169-8555 Tokyo, Japan; Electrical and Electronic Engineering and Information Systems, The University of Tokyo, 113-8656 Tokyo, Japan; Advanced Materials Research Laboratories, Toray Industries, Inc., Otsu, 520-0842 Shiga, Japan




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Huntington's Disease link >

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Save the date: Alzheimer's Association International Conference 2018 >

Better diagnosing heart transplant rejection and injury >

More >

**Press Conferences**

American Chemical Society's 255th National Meeting & Exposition press conference schedule >

ACS national meeting online press day, March 19 >

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- Cancer Research
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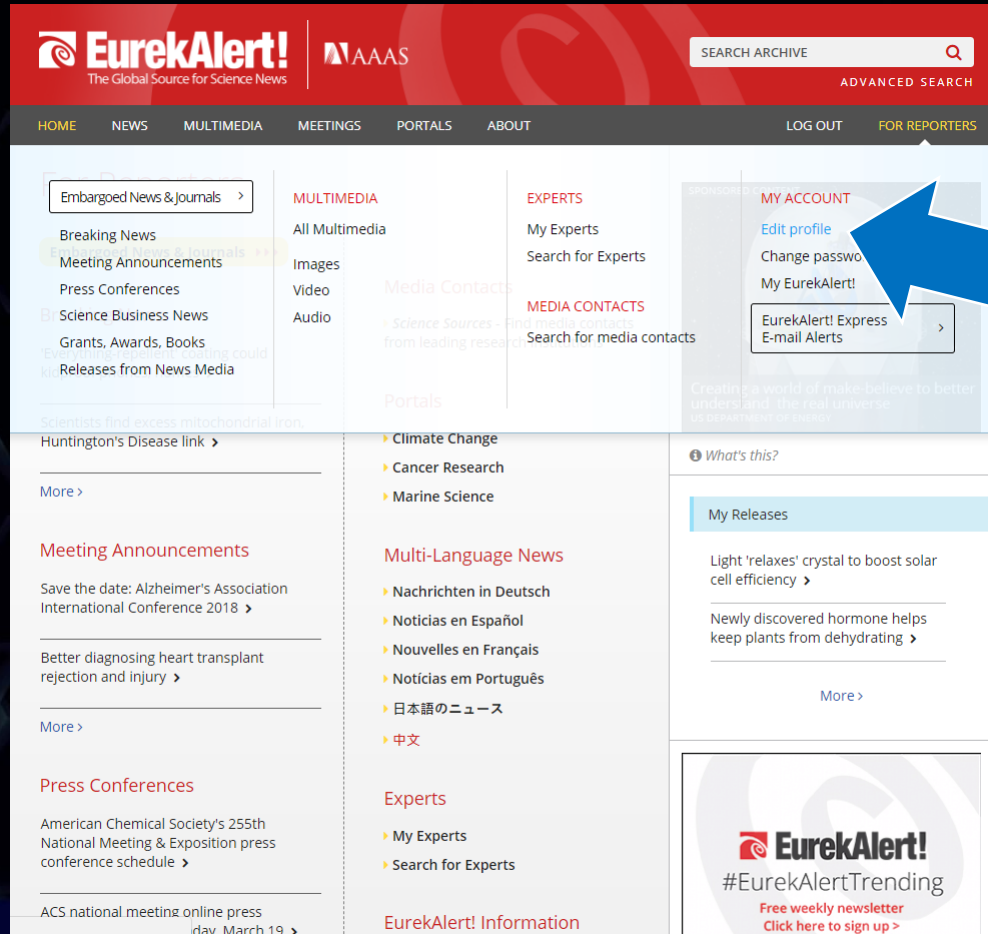
- Light 'relaxes' crystal to boost solar cell efficiency >
- Newly discovered hormone helps keep plants from dehydrating >

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The main content area is divided into several columns:

- Left Column:** Features a dropdown menu for 'Embargoed News & Journals' with options like 'Breaking News', 'Meeting Announcements', 'Press Conferences', 'Science Business News', 'Grants, Awards, Books', and 'Releases from News Media'. Below this are sections for 'Meeting Announcements' (e.g., 'Save the date: Alzheimer's Association International Conference 2018') and 'Press Conferences' (e.g., 'American Chemical Society's 255th National Meeting & Exposition press conference schedule').
- Middle Column:** Contains sections for 'MULTIMEDIA' (All Multimedia, Images, Video, Audio), 'EXPERTS' (My Experts, Search for Experts), 'MEDIA CONTACTS' (Search for media contacts), and 'PORTALS' (Climate Change, Cancer Research, Marine Science, Multi-Language News with links in German, Spanish, French, Portuguese, and Japanese).
- Right Column:** Features a 'MY ACCOUNT' section with links for 'Edit profile', 'Change password', 'My EurekAlert!', and 'EurekAlert! Express E-mail Alerts'. Below this is a 'What's this?' section and a 'My Releases' section with a list of recent releases (e.g., 'Light 'relaxes' crystal to boost solar cell efficiency', 'Newly discovered hormone helps keep plants from dehydrating').

A large blue arrow points to the 'MY ACCOUNT' section in the right column. At the bottom of the page, there is a footer with the EurekAlert! and AAAS logos, and a 'EurekAlert! Information' section.



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E-mail: brianlinworks@gmail.com  
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Science



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- Proceedings of the National Academy of Sciences
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# Weekly Tipsheets

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### Edit Profile

Name: Brian Lin  
E-mail: brianlinworks@gmail.com  
Publication(s) or  
broadcast outlet(s): EurekAlert

Please contact [webmaster@eurekalert.org](mailto:webmaster@eurekalert.org) for assistance with changing your name, e-mail, or publication information.

Beat:

Science  
Health  
Lifestyle  
Technology  
Environment  
Business  
Generalist



Media Type:

Print  
Radio  
Television  
Online



Professional Organizations:



Journal Access Requested:

Astrophysical Journals  
Proceedings of the National Academy of Sciences  
Science



You currently have a request pending to access the following: none

You currently have access to:

- American Chemical Society Journals
- American Institute of Physics
- Astrophysical Journals
- BMJ
- Cell
- Journal of the American Medical Association
- The Lancet
- Public Library of Science
- Proceedings of the National Academy of Sciences
- Rockefeller University Press
- Science



# My EurekAlert!

The screenshot shows the EurekAlert! website interface. At the top, there is a red header with the EurekAlert! logo (The Global Source for Science News) and the AAAS logo. A search bar labeled 'SEARCH ARCHIVE' with a magnifying glass icon is on the right, and a link for 'ADVANCED SEARCH' is below it. A navigation bar below the header contains links: HOME, NEWS, MULTIMEDIA, MEETINGS, PORTALS, ABOUT, LOG OUT, and FOR REPORTERS.

The main content area is divided into several sections:

- Left Column:** A dropdown menu for 'Embargoed News & Journals' is open, showing options: Breaking News, Meeting Announcements (highlighted), Press Conferences, Science Business News, Grants, Awards, Books, and Releases from News Media.
- Multimedia Section:** Titled 'MULTIMEDIA', it includes links for All Multimedia, Images, Video, and Audio.
- Experts Section:** Titled 'EXPERTS', it includes a link for 'My E' and a search bar labeled 'Search for media contacts'.
- Media Contacts Section:** Titled 'MEDIA CONTACTS', it includes a link for 'Science Sources - Find media contacts from leading research institutions'.
- Portals Section:** Titled 'Portals', it includes links for Climate Change, Cancer Research, and Marine Science.
- Multi-Language News Section:** Titled 'Multi-Language News', it includes links for Nachrichten in Deutsch, Noticias en Español, Nouvelles en Français, Notícias em Português, 日本語のニュース, and 中文.
- Meeting Announcements Section:** Titled 'Meeting Announcements', it includes a link for 'BGRF Chief Science Officer to present at cutting-edge technology conference' and another for 'Save the date: Alzheimer's Association International Conference 2018'.
- My Account Section:** Titled 'MY ACCOUNT', it includes links for Edit profile, Change password, My EurekAlert!, and a dropdown for 'EurekAlert! Express E-mail Alerts' (highlighted by a blue arrow).
- What's this? Section:** Titled 'What's this?', it includes a link for 'My Releases'.

The bottom of the page features a dark blue footer with the EurekAlert! and AAAS logos.



# My EurekAlert!

Customizable by

- Keywords
- Institutions
- Regions
- Categories
- Journals

MY EUREKALERT!

## Settings

### Filter Action:

- ☒ This filter includes releases.
- ☐ This filter excludes releases.

The following keywords currently determine which articles appear in your **My EurekAlert!** list. If no keywords are selected, then your **My EurekAlert!** list will contain releases for all keywords, according to your settings below.

### Keywords Selected:

- Agriculture
- Chemistry/Physics/Materials Sciences
- Policy/Ethics

You may edit these keywords.

Please select your **My EurekAlert!** filter below.

### Institutions:

Select all institutions...  
European Academies' Science Advisory Council, Leopoldina -  
1901 Research Institute  
2012 International Microbicides Conference  
2018 PIO Seminar  
21st Century School  
23andMe, Inc.

### Regions:

Select all regions...  
Africa  
Asia  
Australia  
Europe  
North America  
South America

### News Category:

Select all types...  
Research News Release  
Science Business News Release  
Editorial/Position Paper  
Book Announcement  
Grant Announcement  
Award Announcement

### Journals:

Select all journals...  
\*, Social Indicators Research  
, Arctic, Antarctic, and Alpine Research  
2017 CWTS Leiden Ranking  
26th USENIX Security Symposium  
2D Materials  
3D Printing and Additive Manufacturing

Use these settings Reset



# My Releases

- Your personalized 'news feed'
- Includes both embargoed and breaking releases
- Updated automatically

**EurekAlert!**  
The Global Source for Science News

AAAS

SEARCH ARCHIVE

ADVANCED SEARCH

HOME NEWS MULTIMEDIA MEETINGS PORTALS ABOUT LOG OUT FOR REPORTERS

## For Reporters

**Embargoed News & Journals** >>>

### Breaking News

Digital addiction increases loneliness, anxiety and depression >

Thin, flexible polymers record 'conversations' deeper in the brain with less injury-risk >

[More >](#)

### Meeting Announcements

BGRF Chief Science Officer to present at cutting-edge technology conference. >

Save the date: Alzheimer's Association International Conference 2018 >

[More >](#)

### Media Contacts

> *Science Sources* - Find media contacts from leading research institutions

### Portals

> Climate Change  
> Cancer Research  
> Marine Science

### Multi-Language News

> Nachrichten in Deutsch  
> Noticias en Español  
> Nouvelles en Français  
> Notícias em Português  
> 日本語のニュース  
> 中文

### Experts

**SPONSORED CONTENT**

Creating a world of make-believe to better understand the real universe  
US DEPARTMENT OF ENERGY

[What's this?](#)

### My Releases

Scientists use carbon nanotube technology to develop robust water desalination membranes >

Polarization has strong impact on electrons, study shows >

Machine learning offers new way of designing chiral crystals >

[More >](#)



# My EurekAlert!

- Your personalized 'news feed'
- Includes both embargoed and breaking releases
- Updated automatically



## MY EUREKAlert!

### My Releases

Edit your My EurekAlert! settings to change the releases that appear on this page.

Key: Meeting 🗓 Journal 📄 Funder 💰

Showing releases 1-17 out of 17.

**Embargoed: 12-Apr-2018 17:00 ET**  
(12-Apr-2018 21:00 GMT/UTC)

■ Nature Communications  
Theoreticians finally prove that 'curly arrows' tell the truth about chemical reactions  
Team used theoretical modelling, looking at wave functions in new ways to show why curly arrows work. This unprecedented method of extracting the movements of electrons during a chemical reaction is a breakthrough in connecting traditional depictions of chemical mechanism with state-of-the-art quantum chemical calculations.  
● Australian Research Council  
Contact: Monica Brockmyre  
m.brockmyre@unsw.edu.au  
ARC Centre of Excellence in Exciton Science

**Embargoed: 12-Apr-2018 03:00 ET**  
(12-Apr-2018 07:00 GMT/UTC)

■ Physical Review X  
The background hum of space could reveal hidden black holes  
Deep space is not as silent as we have been led to believe. Every few minutes a pair of black holes smash into each other. These cataclysms release ripples in the fabric of spacetime known as gravitational waves. Now Monash University scientists have developed a way to listen in on these events. The new technique is expected to reveal the presence of thousands of previously hidden black holes.  
Contact: Tania Ewing  
taniaewing@taniaewing.com  
040-837-8422  
Monash University

**Public Release: 11-Apr-2018**

■ Scientific Reports  
Scientists use carbon nanotube technology to develop robust water desalination membranes  
A research team of Shinshu University, Japan, has developed robust reverse osmosis membranes that can endure large-scale water desalination. To meet the demand of potable water at low cost, more robust membranes capable of withstanding harsh conditions, while remaining chemically stable to tolerate cleaning treatments, are necessary. The key lays in carbon nanotechnology. A multi-walled carbon nanotube-polyamide nanocomposite membrane creates a protective effect that stabilized the linked molecules of the polyamide against chlorine.  
● Japan Science and Technology Agency  
Contact: Nobuko Imanishi  
intl\_ac@shinshu-u.ac.jp  
81-263-372-097  
Shinshu University

**Public Release: 10-Apr-2018**

■ Physical Review Letters  
Polarization has strong impact on electrons, study shows  
New research helps understand movement of electrons in two-dimensional systems.  
● Okinawa Institute of Science and Technology Graduate University  
Contact: Kaoru Natori  
kaoru.natori@oist.jp  
81-989-662-389  
Okinawa Institute of Science and Technology (OIST) Graduate University

### My EurekAlert!

#### My Releases

#### My Experts

#### Settings

### My Links

- ▶ Washington Post
- ▶ New York Times
- ▶ Globe and Mail
- ▶ EurekAlert!
- ▶ EurekAlert! Chinese
- ▶ EurekAlert! Japanese
- ▶ cancer portal
- ▶ climate change portal
- ▶ marine science portal
- ▶ marine science portal
- ▶ marine science portal

[Add / Edit Links >](#)

### Breaking News

- Swamp microbe has pollution-munching power  
PRINCETON UNIVERSITY, ENGINEERING SCHOOL
- Digital addiction increases loneliness, anxiety and depression  
SAN FRANCISCO STATE UNIVERSITY
- Thin, flexible polymers record 'conversations' deeper in the brain with less injury-risk  
UNIVERSITY OF SOUTHERN CALIFORNIA
- Some can combat dementia by enlisting still-healthy parts of the brain  
UNIVERSITY OF ARIZONA

[View all breaking news >](#)

### Trending Science News

- Extensive seagrass meadows discovered in Indian Ocean through satellite tracking of green turtles  
SIKANGSA UNIVERSITY



# Experts Database

The screenshot displays the EurekAlert! website interface. At the top, the header includes the EurekAlert! logo with the tagline 'The Global Source for Science News', the AAAS logo, a search bar labeled 'SEARCH ARCHIVE', and a link to 'ADVANCED SEARCH'. Below the header is a navigation bar with links for HOME, NEWS, MULTIMEDIA, MEETINGS, PORTALS, ABOUT, LOG OUT, and FOR REPORTERS.

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- Left Sidebar:** Contains a dropdown menu for 'Embargoed News & Journals' with options like 'Breaking News', 'Meeting Announcements', 'Press Conferences', 'Science Business News', 'Grants, Awards, Books', and 'Releases from News Media'.
- MULTIMEDIA:** A section with links to 'All Multimedia', 'Images', 'Video', and 'Audio'.
- EXPERTS:** The central focus, featuring 'My Experts', a 'Search for Experts' button, and a 'MEDIA CONTACTS' section with a 'Search for media contacts' button.
- Right Sidebar:** Includes a 'MY ACCOUNT' section with a large blue arrow pointing left and a 'EurekAlert! Express E-mail Alerts' button. Below this is a 'What's this?' section and a 'My Releases' section listing items like 'Light 'relaxes' crystal to boost solar cell efficiency' and 'Newly discovered hormone helps keep plants from dehydrating'.
- Bottom Section:** Features a 'Multi-Language News' section with links for German, Spanish, French, Portuguese, Japanese, and Chinese, followed by an 'Experts' section with 'My Experts' and 'Search for Experts' links.

The footer of the website includes the EurekAlert! and AAAS logos, and the hashtag #EurekAlertTrending.



# Experts Database

Search by

Search Terms

Location (Continent)

Languages spoken

Categories

Browse by

Keyword

Last name

## Search for Experts

Define your search using keywords. You may use a person's name. Lowercase terms match any case, otherwise case is matched exactly as typed.

Search Terms:

Filter your search:

All locations... ▼

All languages... ▼

☐ Restrict search to experts with audio/video clips

Checked topics will be included in your search. If no topics are checked, all topics will be searched.

- |                                               |                                                      |
|-----------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Agriculture          | <input type="checkbox"/> Education                   |
| <input type="checkbox"/> Archaeology          | <input type="checkbox"/> Mathematics                 |
| <input type="checkbox"/> Atmospheric Science  | <input type="checkbox"/> Medicine & Health           |
| <input type="checkbox"/> Biology              | <input type="checkbox"/> Policy & Ethics             |
| <input type="checkbox"/> Business / Economics | <input type="checkbox"/> Social / Behavioral Science |
| <input type="checkbox"/> Chemistry / Physics  | <input type="checkbox"/> Space / Planetary           |
| <input type="checkbox"/> Earth Science        | <input type="checkbox"/> Technology / Engineering    |

Search

### Browse by keyword


Agriculture	Education
Archaeology	Mathematics
Atmospheric Science	Medicine & Health
Biology	Policy & Ethics
Business & Economics	Social & Behavioral Science
Chemistry & Physics	Space/ Planetary
Earth Science	Technology/ Engineering

### Browse by last name

A | B | C | D | E | F | G | H | I  
J | K | L | M | N | O | P | Q | R  
S | T | U | V | W | X | Y | Z



# Experts Database



**Search:**

**Results for:** +spokenlanguage:"Japanese" **Document count:** spokenlanguage:"Japanese" (19)

About 19 results found Sorted by relevance [Sort by Date >>](#) 1-10 ▶

<b>Shuji Nakamura</b> Professor of Engineering at University of California - Santa Barbara	39% 11 Apr 18
<b>Gregory Stone</b> Vice President, Global Marine Programs at New England Aquarium	39% 10 Apr 18
<b>Anne Cooper-Chen</b> Professor, Journalism at Ohio University	39% 10 Apr 18
<b>Tamim Younos</b> Associate Director, Virginia Water Resources Research Center; Research Professor, College of Natural Resources, Department of Geography at Virginia Tech	39% 10 Apr 18
<b>Bruce Rubin</b> Vice-Chair, Basic Research for the Department of Pediatrics at Wake Forest Baptist Medical Center	39% 10 Apr 18
<b>Noriko Osumi</b> Professor at Tohoku University(V)	39% 28 Sep 15
<b>Hiroki Sayama</b> Associate Professor, Department of Bioengineering & Systems Science and Industrial Engineering Graduate Program Director, Biomedical Engineering Director, Collective Dynamics of Complex Systems (CoCo) Research Group at ...	39% 24 Jun 14
<b>Koji Itahana</b> Assistant Professor in the Cancer and Stem Cell Biology Programme at Duke-NUS Medical School	39% 23 Apr 14
<b>David Shibata</b> Associate Member, Department of Gastrointestinal Oncology at H. Lee Moffitt Cancer Center & Research Institute	39% 21 Aug 12
<b>Akiko Maehara</b> Director of Intravascular Imaging Core Laboratory at Cardiovascular Research Foundation	39% 31 May 12

[Sort by Date >>](#) 1-10 ▶

**Results Page:**  
1 2 ▶



# Experts Database

## EXPERTS

### Anne Cooper-Chen, PhD

Professor, Journalism  
[Ohio University](#)

[Add to My Experts >>](#)

**Language(s) spoken:** English, Japanese, French

**Contact Information:**

740-593-2589  
[cooper@ohiou.edu](mailto:cooper@ohiou.edu)

**Home Page:** [Link](#)

**PIO Contact:**

Andrea Gibson  
740-597-2166  
[gibsona@ohio.edu](mailto:gibsona@ohio.edu)  
[Ohio University](#)



Anne Cooper-Chen  
[Click image to download](#)

Anne Cooper-Chen is an expert on international mass media who studies the violence on Asian television programs to the globalization of game shows such as "Who Wants to Be a Millionaire?" She is the author of "Mass Communication in Japan" (1997) and "Games in the Global Village: A 50-Nation Study of Entertainment TV" (1994). For the latter book, Cooper-Chen examined hundreds of quiz shows around the world. She has published book chapters on Japanese cartoons and the death of Princess Diana. Cooper-Chen's 10 years of full-time professional experience included writing and editing for the *Asahi Evening News*, an English-language daily in Tokyo, Japan; the *Sunday News of York*, Penn.; and *Commonwealth*, the statewide magazine of Virginia. Her byline has appeared in the *Japan Times*, *Christian Science Monitor*, *Dallas Times-Herald* and 15 other newspapers, as well as 10 magazines.

Cooper-Chen received her PhD from the University of North Carolina at Chapel Hill.



# Experts Database

## EXPERTS

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[Add to My Experts >>](#)

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**Contact Information:**

740-593-2589  
[cooper@ohiou.edu](mailto:cooper@ohiou.edu)

**Home Page:** [Link](#)

**PIO Contact:**

Andrea Gibson  
740-597-2166  
[gibsona@ohio.edu](mailto:gibsona@ohio.edu)  
Ohio University



Anne Cooper-Chen  
[Click image to download](#)

Anne Cooper-Chen is an expert on international mass media who studies topics ranging from violence on Asian television programs to the globalization of game shows such as "Who Wants to Be a Millionaire?" She is the author of "Mass Communication in Japan" (1997) and "Games in the Global Village: A 50-Nation Study of Entertainment TV" (1994). For the latter book, Cooper-Chen examined hundreds of quiz shows around the world. She has published book chapters on Japanese cartoons and the death of Princess Diana. Cooper-Chen's 10 years of full-time professional experience included writing and editing for the *Asahi Evening News*, an English-language daily in Tokyo, Japan; the *Sunday News of York, Penn.*; and *Commonwealth*, the statewide magazine of Virginia. Her byline has appeared in the *Japan Times*, *Christian Science Monitor*, *Dallas Times-Herald* and 15 other newspapers, as well as 10 magazines.

Cooper-Chen received her PhD from the University of North Carolina at Chapel Hill.



# Experts Database

## EXPERTS

### Masaaki Yamada, PhD

Principal Research Physicist, P.I., Magnetic Reconnection  
Experiment  
DOE/Princeton Plasma Physics Laboratory

[Add to My Experts >>](#)

Language(s) spoken: En

**Contact Information:**  
609-243-2566  
myamada@pppl.gov

**PIO Contact:**  
Kitta MacPherson  
609-243-2755  
kittamac@pppl.gov  
DOE/Princeton Plasma Physics Laboratory

Masaaki Yamada is a principal research physicist and the head of the Magnetic Reconnection Experiment (MRX) research program at the Princeton Plasma Physics Laboratory.

He graduated from the University of Illinois in 1973 with a Ph.D in physics after receiving a B.S. Degree from the University of Tokyo.

Since then he has been involved in plasma research relevant both to fusion and space-astrophysics. During 1978-1988, Yamada headed the research effort on the spheromak, a new concept for fusion at the time, utilizing the S-1 device.

Beginning in the early 1990's, he pioneered a new experiment, the MRX, to explore the fundamental physics of magnetic reconnection.

Yamada has written and co-authored over 200 scientific papers in major journals, including the most recent review articles in *Rev. Modern Phys.* (2010) and in *Ann. Rev. Astron. Astrophys.* (2009).

He has been a doctoral thesis advisor for a dozen graduate students of Princeton University, the University of Tokyo, and Purdue University.


Dr. Yamada held invited professor positions at Ecole Polytechnique Federale de Lausanne, Switzerland (1988), Kyoto University, Japan (1989), and the University of Tokyo, Japan (1994, 2010). He has been an American Physical Society (APS) fellow since 1985, received the APS Excellence of Plasma Physics Award in 2002 and the Princeton University Kaul Prize in 2003.





Masaaki Yamada  
[Click image to download](#)



# My Experts

 **EurekAlert!**  
The Global Source for Science News

 AAAS

SEARCH ARCHIVE 

ADVANCED SEARCH

HOME NEWS MULTIMEDIA MEETINGS PORTALS ABOUT LOG OUT REPORTERS

Embargoed News & Journals >

Breaking News

Meeting Announcements

Press Conferences

Science Business News

Grants, Awards, Books

Releases from News Media

MULTIMEDIA

All Multimedia

Images

Video

Audio

EXPERTS

My Experts

Search for Experts

MEDIA CONTACTS

Search for media contacts

My EurekAlert! My

EurekAlert! Express E-mail Alerts >

Myamada has been added to your My Experts list

Myamada, Research Physicist, P.I., Magnetic Reconnection Experiment  
DOE/Princeton Plasma Physics Laboratory Princeton, NJ USA  
Phone: 609-243-2555

E-mail: [myamada@pppl.gov](mailto:myamada@pppl.gov)

My Comment:


[ Add/Edit Comment ]


Search for Experts >


My Experts >



# My Experts

 **EurekAlert!**  
The Global Source for Science News

 AAAS

SEARCH ARCHIVE 

ADVANCED SEARCH

HOMENEWSMULTIMEDIA MEETINGS PORTALS ABOUT LOG OUTREPORTERS

EXPERTS

## My Experts

My Experts allows you to save expert profiles in a list for quick reference later. To add experts to your My Experts list, click the "Add to My Experts" link on any expert profile.

Masaaki Yamada has been added to your My Experts list

Masaaki Yamada, PhD  
Principal Research Physicist, P.I., Magnetic Reconnection Experiment  
DOE/Princeton Plasma Physics Laboratory Princeton, NJ USA  
Phone: 609-243-2566

E-mail: [myamada@pppl.gov](mailto:myamada@pppl.gov)

My Comment:

[ Add/Edit Comment ]

Search for Experts >

My Experts >




# Multimedia

- Images
- Videos
- Audio files

[HOME](#) [NEWS](#) [MULTIMEDIA](#) [MEETINGS](#) [PORTALS](#) [ABOUT](#) [LOG OUT](#) [FOR REPORTERS](#)


MULTIMEDIA

Browse All Multimedia

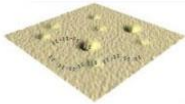
SEARCH ALL MULTIMEDIA 

ADVANCED SEARCH


[IMAGES](#) [VIDEO](#) [AUDIO](#) [ALL](#)



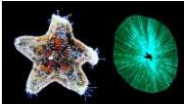
The CRFR1 Receptor  
WEIZMANN INSTITUTE OF SCIENCE




Single-Molecule Cars in Open Air  
RICE UNIVERSITY




Early Prototype of HET Wristband  
NORTH CAROLINA STATE UNIVERSITY




Homonimous Species Names  
PENSOFT PUBLISHERS




Archaeologists Working on Comoros  
UNIVERSITY OF BRISTOL



Excavations on Madagascar  
UNIVERSITY OF BRISTOL



Recovering Plant Remains on the Coast of East Africa  
UNIVERSITY OF BRISTOL

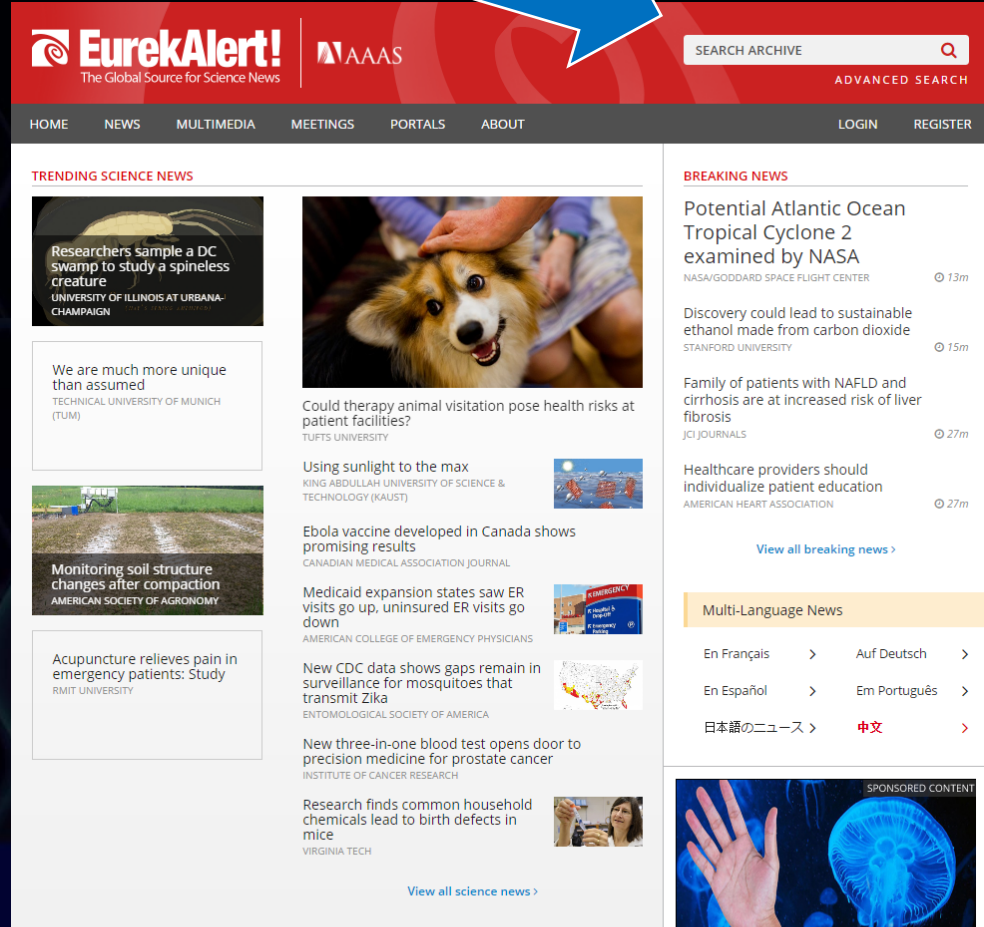


*Chilicola charizard* Polyester Bee (3 of 3)  
PENSOFT PUBLISHERS



# Searchable Archive

- 357,286 news releases dating back to 1996
- Provide context of previous research
- Great way to find experts and PIO contacts



The screenshot shows the EurekaAlert! website interface. At the top, there is a red header with the EurekaAlert! logo (The Global Source for Science News) and the AAAS logo. A search bar labeled "SEARCH ARCHIVE" with a magnifying glass icon is on the right, and a blue arrow points to it. Below the header is a navigation bar with links: HOME, NEWS, MULTIMEDIA, MEETINGS, PORTALS, ABOUT, LOGIN, and REGISTER. The main content area is divided into two columns. The left column features a "TRENDING SCIENCE NEWS" section with three article teasers: "Researchers sample a DC swamp to study a spineless creature" (University of Illinois at Urbana-Champaign), "We are much more unique than assumed" (Technical University of Munich), and "Monitoring soil structure changes after compaction" (American Society of Agronomy). The right column features a "BREAKING NEWS" section with three article teasers: "Potential Atlantic Ocean Tropical Cyclone 2 examined by NASA" (NASA/Goddard Space Flight Center), "Discovery could lead to sustainable ethanol made from carbon dioxide" (Stanford University), and "Family of patients with NAFLD and cirrhosis are at increased risk of liver fibrosis" (JCI Journals). Below the breaking news is a "Multi-Language News" section with links for En Français, Auf Deutsch, En Español, Em Português, and 日本語のニュース. At the bottom right, there is a "SPONSORED CONTENT" section featuring an image of a hand and a jellyfish.

**EurekaAlert!**  
The Global Source for Science News

**AAAS**

SEARCH ARCHIVE

ADVANCED SEARCH

HOME NEWS MULTIMEDIA MEETINGS PORTALS ABOUT LOGIN REGISTER

**TRENDING SCIENCE NEWS**

Researchers sample a DC swamp to study a spineless creature  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

We are much more unique than assumed  
TECHNICAL UNIVERSITY OF MUNICH (TUM)

Monitoring soil structure changes after compaction  
AMERICAN SOCIETY OF AGRONOMY

Acupuncture relieves pain in emergency patients: Study  
RMIT UNIVERSITY

**BREAKING NEWS**

Potential Atlantic Ocean Tropical Cyclone 2 examined by NASA  
NASA/GODDARD SPACE FLIGHT CENTER 13m

Discovery could lead to sustainable ethanol made from carbon dioxide  
STANFORD UNIVERSITY 15m

Family of patients with NAFLD and cirrhosis are at increased risk of liver fibrosis  
JCI JOURNALS 27m

Healthcare providers should individualize patient education  
AMERICAN HEART ASSOCIATION 27m

[View all breaking news >](#)

**Multi-Language News**

En Français > Auf Deutsch >

En Español > Em Português >

日本語のニュース > 中文 >

**SPONSORED CONTENT**

New three-in-one blood test opens door to precision medicine for prostate cancer  
INSTITUTE OF CANCER RESEARCH

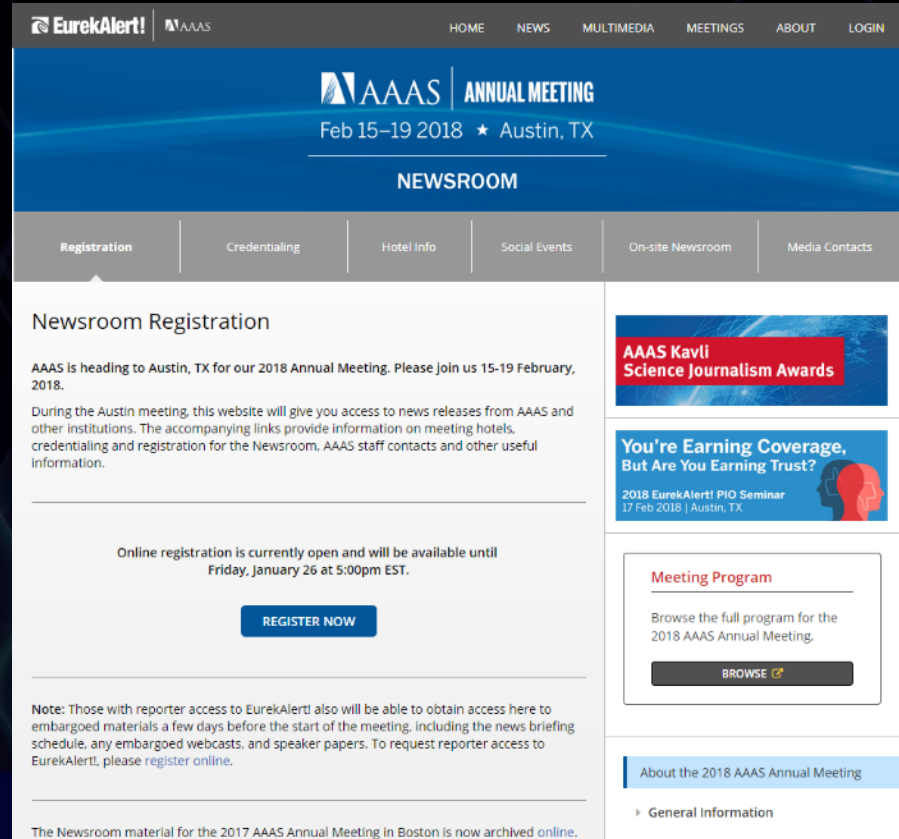
Research finds common household chemicals lead to birth defects in mice  
VIRGINIA TECH

[View all science news >](#)



# Online Newsrooms

- Major scientific meetings
- Embargoed news releases
- More meetings added!
  - AAAS Annual Meeting
  - American Chemical Society
  - Society for Neuroscience
  - Experimental Biology 2018
  - Nutrition 2018



The screenshot shows the AAAS Newsroom website. The header includes the EurekAlert! and AAAS logos, and navigation links for HOME, NEWS, MULTIMEDIA, MEETINGS, ABOUT, and LOGIN. The main banner features the AAAS logo and 'ANNUAL MEETING Feb 15-19 2018 ★ Austin, TX'. Below the banner is a 'NEWSROOM' section with a navigation bar containing links for Registration, Credentialing, Hotel Info, Social Events, On-site Newsroom, and Media Contacts. The 'Registration' link is active, leading to the 'Newsroom Registration' page. This page contains text about the AAAS 2018 Annual Meeting, a note about embargoed materials, and a 'REGISTER NOW' button. A sidebar on the right includes a red banner for 'AAAS Kavli Science Journalism Awards', a blue banner for 'You're Earning Coverage, But Are You Earning Trust?' with a seminar announcement, and a 'Meeting Program' section with a 'BROWSE' button. At the bottom, there is a section for 'About the 2018 AAAS Annual Meeting' with links for 'General Information' and 'Family Science Days'.

**EurekAlert! | AAAS** HOME NEWS MULTIMEDIA MEETINGS ABOUT LOGIN

**AAAS | ANNUAL MEETING**  
Feb 15-19 2018 ★ Austin, TX

**NEWSROOM**

Registration Credentialing Hotel Info Social Events On-site Newsroom Media Contacts

### Newsroom Registration

AAAS is heading to Austin, TX for our 2018 Annual Meeting. Please join us 15-19 February, 2018.

During the Austin meeting, this website will give you access to news releases from AAAS and other institutions. The accompanying links provide information on meeting hotels, credentialing and registration for the Newsroom, AAAS staff contacts and other useful information.

Online registration is currently open and will be available until Friday, January 26 at 5:00pm EST.

**REGISTER NOW**

**Note:** Those with reporter access to EurekAlert! also will be able to obtain access here to embargoed materials a few days before the start of the meeting, including the news briefing schedule, any embargoed webcasts, and speaker papers. To request reporter access to EurekAlert!, please [register online](#).

The Newsroom material for the 2017 AAAS Annual Meeting in Boston is now archived [online](#).

**AAAS Kavli Science Journalism Awards**

**You're Earning Coverage, But Are You Earning Trust?**  
2018 EurekAlert! PIO Seminar  
17 Feb 2018 | Austin, TX

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# Reporter Fellowships & Awards

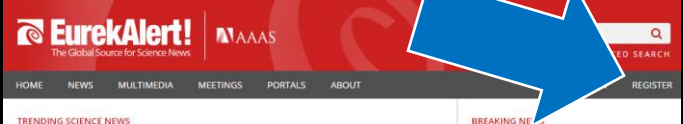
- EurekAlert! Fellowships for early-career reporters [eurekalert.org/fellows](http://eurekalert.org/fellows)
- Kavli Science Journalism Awards [sjawards.aaas.org](http://sjawards.aaas.org)

The screenshot displays the 'Fellowships for International Science Reporters' page on the EurekAlert! website. The header includes the 'EurekAlert!' and 'AAAS' logos, along with navigation links for HOME, NEWS, MULTIMEDIA, MEETINGS, ABOUT, and LOG IN. A blue banner at the top of the main content area reads 'Fellowships for International Science Reporters' and includes a small badge stating 'Supported by THE ROCKEFELLER UNIVERSITY PRESS'. Below the banner is a horizontal menu with four items: 'About the Fellowships', 'Eligibility Requirements', 'Meet the Fellows', and 'Apply'. The 'About the Fellowships' section is active and contains the following text: 'The EurekAlert! Fellowships for International Science Reporters support excellence in science communication globally, with a focus on developing regions and emerging economies. Established in 2004 with a seed grant from the William T. Golden Endowment Fund for Program Innovation and sponsored by EurekAlert!, the AAAS-operated science-news service, the EurekAlert! Fellowships for International Science Reporters provide early-career science, technology, and health journalists opportunities to cover the latest research and network with peers from around the world at the AAAS Annual Meeting.' To the right of this text is a photo of four diverse individuals. Below the text, it states: 'In the 14 years since the program's inception, 62 Fellowships have been awarded. The fellows have come from Africa, Central and South America, the Middle East, India, and China. The focus of the 2018 Fellowships is China, India and, for the first time, the Balkan region in Europe. The application period for the 2018 EurekAlert! Fellowships for International Science Reporters runs from October 18, 2017 until November 15, 2017. See the [eligibility and application requirements](#) for more information.' On the right side of the page, there are two additional promotional boxes. The top one is for the 'AAAS ANNUAL MEETING' held Feb 22-29 2018 in Austin, TX, with a link to 'Visit the Online Newsroom'. The bottom one features the 'EurekAlert!' logo and encourages users to 'Connect with us on Twitter' with the handle '@EurekAlert'. At the very bottom right, there is a red box for the 'AAAS Kavli Science Journalism Awards'.



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