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## Bouncing Babies Strengthen Social Bonds through Music and Rhythm

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Kathleen Lees [k.lees@scienceworldreport.com](mailto:k.lees@scienceworldreport.com)

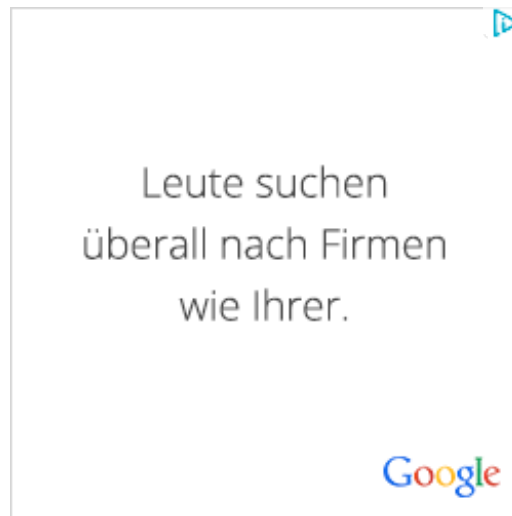
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Swaying to music's rhythm may have more of a scientific meaning than meets the eye. Researchers at McMaster University in Canada found that people who move together are also building social bonds. For this study in particular, published in the journal *Developmental Science*, researchers found that moving together in the same time can affect the social behavior of babies who have barely even learned to walk. (Photo : Flickr.com/EraPhemalia Vintage)

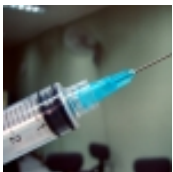
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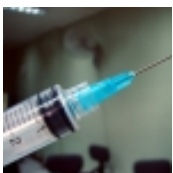


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**Childhood Vaccines are Safer than You Think: Most Side Effects are Extremely Rare**

"Moving in sync with others is an important part of musical activities," said Laura Cirelli, lead author of a paper posted in the journal, via [a news release](#). "These effects show that movement is a fundamental part of music that affects social behavior from a very young age."

Cirelli and colleagues in the Department of Psychology, Neuroscience & Behavior, found that 14-month-old babies were more likely to help other people after they experienced bouncing up and down to music with another person.

For the study, researchers tested 69 babies to see if bouncing to music helped make other babies more likely to assist that person by "accidentally" handing back dropped objects.

With the babies grouped in pairs, one of the researchers held a baby in a forward-facing carrier while the other stood facing the second research. As the music started, both researchers would gently bounce up and down. Some of the babies were bounced in sync with the researcher across from them while others were bounced at a different tempo.

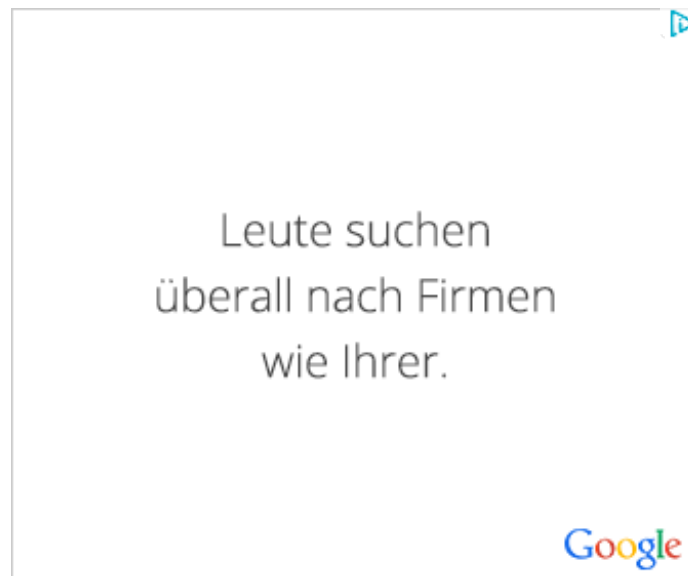
When the song ended, researchers who had been facing the baby then performed several simple tasks

that included drawing a picture with a marker. However, as the picture was drawn, researchers would accidentally pretend to drop the marker to see whether the infant would pick it up and hand it back to her based on a classic test of altruism.

Study findings revealed that babies who bounced in time with the researcher were more likely to fall over, pick up the object and pass it back to the researcher when compared with infants who had been bounced at a different tempo than their experimenter.

In-sync babies came to the researcher's aid 50 percent of the time, while out of sync babies only picked up and handed back objects 30 percent of the time.

Researchers believe that certain shared experiences that incorporate music and rhythm with children help them strengthen social bonds.



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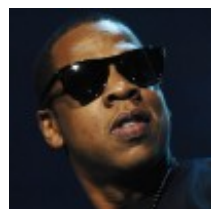
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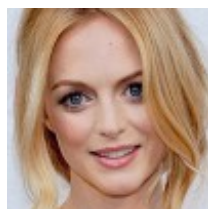
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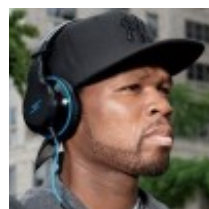
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## NASA Hubble Telescope Hunts for New Horizons' Targets for After its Pluto Mission

The New Horizons (NH) spacecraft is currently set to streak past the Pluto system in July 2015. Now, NASA's Hubble Space Telescope is conducting an intensive search to find a suitable outer solar system object...

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The Cassini spacecraft was originally supposed to explore Saturn and its moons for a duration of four years, but due to its success, NASA extended its mission three times. Today marks the spacecraft's tenth anniversary.

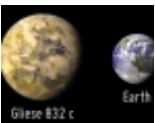
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## Mars 'Flying Saucer' Successfully Flies and Then Splashes Down Near Hawaii

Flying saucers aren't just for movies about aliens. NASA recently successfully tested its Low-Density Supersonic Decelerator (LDSD), a test vehicle meant to evaluate new landing technologies for future Mars missions.

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A potentially habitable new Earth-like planet located 16-light years away was discovered by team of international researchers.

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## Health & Medicine News

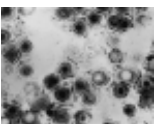
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## Childhood Vaccines are Safer than You Think: Most Side Effects are Extremely Rare

Though some parents may worry about the side-effects of certain vaccines, a recent analysis of 67 research studies makes two positive points: one, serious complications from vaccines are rare, and two, there is zero evidence to suggest that immunizations cause autism.

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## Combination Drug for HIV Helps Prevent Transmission of Genital Herpes

A recent study has found that certain HIV drugs could help to reduce the risk of genital herpes (HSV-2). According to findings published Tuesday in the *Annals of Internal Medicine*, the combination HIV treatment...

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A recent study conducted by researchers at Monash University and the University of Manchester in England examines a link between alcohol sponsorship and hazardous drinking among UK athletes. Recent findings published...

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For many who suffer from food allergies, pinpointing the exact cause of the reaction can be difficult. Food proteins are typically the culprits. Though training the body's immune system to respond to certain proteins...

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the country are overprescribing painkillers. Due to a spike in opioids, there is a gr...



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Researchers at the University of Buffalo found that it is fear and worry of skin cancer is what motivates people to use sunscreen.

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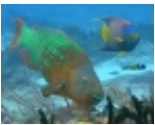
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Researchers have found that exotic plants, such as Japanese knotweed, can actually accelerate the greenhouse effect by affecting the ability of soil to store greenhouse gases.



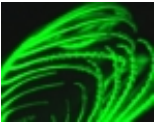
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### **Plants Physically React to Leaf Vibrations Caused by Hungry Caterpillars**

Researchers have found that plants can respond to the sounds that caterpillars make when eating plants, which causes them to raise their defenses.



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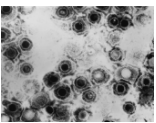
A team of Spanish researchers have discovered a new species of cave beetle in Krubera Cave, the deepest cave on Earth.



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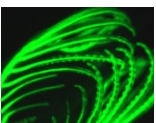
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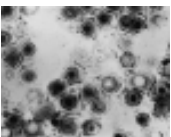
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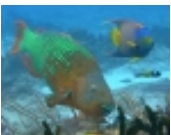
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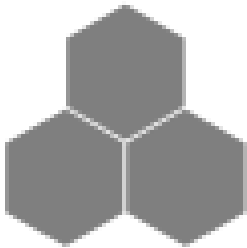
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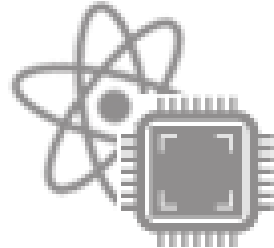
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## Spotlight



## New Compound Could Treat Depression Without Unwanted Side Effects

There may be a new compound to treat depression. Scientists have found that hydroxynoketamine (HNK) may treat symptoms of depression just as

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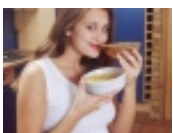
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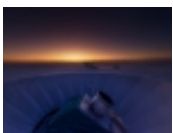
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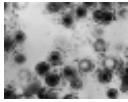
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