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**CANSWERIST® ROLL ▶ 16April18**

▶ City of Hope is currently the only institution in Southern California to offer both FDA-approved car-t cell therapies ▶ CANSWER ▶ <https://goo.gl/p1nptt>

#### **How to be Helpful when a Friend Has Cancer**

A cancer diagnosis is far-reaching, impacting the new patient, as well as friends and family. An immediate reaction for the latter is to comfort and provide help. Knowing the right things to say, or how to offer support, isn't easy. Nor is it always easy for the patient to ask for assistance and accept it. Follow a few pointers and it's possible to bridge these gaps. ▶ CANSWER ▶ <https://goo.gl/hDFsX3>

#### ▶ **Google makes AR\* microscope that can help detect cancer**

**Engadget** – Apr 16, 2018, 4:31 PM – In a talk given today at the American Association for Cancer Research's annual meeting, Google researchers described a prototype of an augmented reality microscope that could be used to help physicians diagnose patients. When pathologists are... ★ NUZ ★ <http://bit.ly/2HticA2>

#### ▶ **Lung Cancer Patients Live Longer With Immune Therapy**

**New York Times** – Denise Grady – Apr 16, 2018, 6:31 AM – The odds of survival can greatly improve for people with the most common type of lung cancer if, along with the usual chemotherapy, they are also given a drug that activates the immune system, a major new study has shown. The findings should change...★ NUZ ★ <https://goo.gl/Ds19F5>

#### ▶ **BluePrint Medicines' Cancer Drug Impresses In Early Study**

**Forbes** – Matthew Herper – Apr 15, 2018 – As a young man, Tom Cathey, 72, had been an Air Force pilot. For decades he worked as a forester, overseeing plots of

timberland. A few years before he retired, a nurse practitioner found a lump in his throat. It turned out to be medullary thyroid... ★ NUZ ★ <https://goo.gl/7mqCTb>

► **For Cancer Drugs, Will Monday's Data Be As Good As It Gets?**

**Forbes** – Matthew Herper – Apr 13, 2018 – At one point in James Brooks' 1997 comedy *As Good As It Gets*, Jack Nicholson, playing a misanthropic New York novelist with obsessive compulsive disorder, exits his psychiatrist's office and asks those assembled in the waiting room, "What if... ★ NUZ ★ <https://goo.gl/AJQ7x8>

► **Toddler who beat cancer twice heads home after 8-month hospital stay**

**Fox News** – Apr 13, 2018 – An Ohio family is celebrating the recent homecoming of their 17-month-old daughter, who has already beaten cancer twice. Grace Rosian, who has Down syndrome and was born two months prematurely, was diagnosed with a form of leukemia at birth. Grace... ★ NUZ ★ <https://goo.gl/j2S6pr>

► **Public awareness of cancer drug shortages is low**

**Medical Xpress** – Apr 8, 2018, 11:27 PM – The U.S. population is largely unaware that there are shortages in the availability of cancer drugs, according to a study published early online in *Cancer*, a peer-reviewed journal of the American Cancer Society. Most people surveyed in the study... ★ NUZ ★ <https://goo.gl/tEPjgx>

► **Some basic acts of kindness found to help patients dealing with cancer**

**Washington Post** – Leonard L. Berry – Apr 8, 2018, 9:00 AM – Cancer may not be life-ending, but it usually is life-changing. A cancer diagnosis instantaneously turns life upside down for patients and families. Cancer care is a "high-emotion" service, and the care team must not only effectively... ★ NUZ ★ <https://goo.gl/1hWtyD>

► **Why does cancer arise? Landmark study provides unique insight**

**Medical News Today** – Catharine Paddock PhD – The PanCancer Atlas is so vast that it spans more than two dozen scientific papers published in several *Cell* journals. It represents a huge milestone in the work of The Cancer Genome Atlas (TCGA). This was sponsored by two institutes within the... ★ NUZ ★ <https://goo.gl/SvwGAX>

► **New surgical goggles spot cancer tissue where human eye won't, study claims**

**Fox News** – Apr 5, 2018 – Surgical goggles developed by researchers at the University of Illinois and Washington University are able to spot cancerous tissue where the human eye won't, a new study claims. The goggles, which were tested in mice and women with breast cancer... ★ NUZ ★ <https://goo.gl/2WGy1G>

► **One injection could kill cancer**

**braveheartforkids.org** – aggregation – Mar 11, 2018, 3:35 AM – Scientists experimenting with an innovative treatment for cancer have now devised a targeted injection that has already successfully eliminated tumors in mice. Could one shot administered directly to a solid tumor mark the end of cancer?

Research... ★ NUZ ★ <https://goo.gl/iUmfGk>

► **Stem cell transplant cures first adult sickle-cell patient in Canada**

**Calgary Herald** – Deanna Montalvo – Apr 3 – The first adult in Canada to have been cured of sickle cell anemia did so with the help of stem cells donated by her sister. Edmonton's Revée Agyepong, 26, underwent the treatment at Calgary's Tom Baker Cancer Centre, and blood tests confirm...

★ NUZ ★ <https://goo.gl/V47NWY>

► **After Cancer, Accelerated Aging? - Drugs.com MedNews**

**Drugs.com** – MONDAY, April 2, 2018 -- Even decades after treatment, cancer survivors tire more easily than people with no history of the disease, according to new research. The findings hint at a pattern of 'accelerated aging' for people with a cancer history. ► <https://goo.gl/Xu2gKA> ★ NUZ ★ <https://goo.gl/EZ6HZQ>

► **New drug attacks cancer-causing genes**

**Medical News Today** – Tim Newman – Research gives a deeper insight into the molecular changes associated with cancer. Researchers from Michigan State University in East Lansing are using novel molecular routes to attack. The scientists were particularly interested in bromodomain...

★ NUZ ★ <https://goo.gl/NYQ4AL>

► **Prostate cancer: How a full stomach could improve treatment**

**Medical News Today** – Taking Zytiga after having eaten may increase its effectiveness. This is the central claim of a new study recently published in the Journal of Clinical Oncology, which also suggests that this approach could cut costs of an expensive treatment by 75...

★ NUZ ★ <https://goo.gl/xB7nNN>

► **Unique communication strategy discovered in stem cell pathway controlling plant growth**

Researchers have identified a receptor on plant stem cells that can issue different instructions about how to grow. Tweaking this pathway can lead to bigger fruits or more seeds in important food crops. A team of plant geneticists at Cold Spring Harbor ...

★ NUZ ★ <https://goo.gl/ei11fk>

► **City of Hope proposing \$200 million cancer center in Irvine near Orange County Great Park**

**Orange County Register** – Tomoya Shimura – Mar 30, 2018, 11:06 AM–  
Categories: Local News, News City of Hope in Duarte (Photo by Keith Durflinger/  
Pasadena Star News/SCNG) IRVINE — City of Hope is planning to build a \$200  
million cancer center, which would anchor a future medical campus south of the  
Orange... ★ NUZ ★ <https://goo.gl/wNtzjH>

► **Is This Tissue a New Organ? Maybe. A Conduit for Cancer? It Seems Likely**

**New York Times** – Jacey Fortin – Mar 31 – Researchers have made new  
discoveries about the in-between spaces in the human body, and some say it's  
time to rewrite the anatomy books. A study published in Scientific Reports this  
week described a fluid-filled, 3-D latticework of collagen and... ★ NUZ ★ [https://  
goo.gl/X6SmLg](https://goo.gl/X6SmLg)

► **Science Says: What we know about cancer risk and coffee**

**ABC News** – Mar 30, 2018, 2:47 PM – Trouble is brewing for coffee lovers in  
California, where a judge just ruled that sellers must post scary warnings about  
cancer risks. But some scientists and available evidence suggest that a daily cup  
of joe does not pose a huge health risk. ★ NUZ ★ <https://goo.gl/uR348s>

► **Newly-discovered human organ may help explain how cancer spreads**

**New Scientist** – Jessica Hamzelou – Mar 27 – A newly discovered network of  
fluid-filled channels in the human body may be a previously-unknown organ, and  
it seems to help transport cancer cells around the body. This discovery was made  
by chance, from routine endoscopies – a procedure... ★ NUZ ★ [https://goo.gl/  
jd1ESy](https://goo.gl/jd1ESy)

► **Coffee needs cancer warning in California, judge rules**

**Fox News** – Mar 29, 2018 – A Los Angeles judge has ruled that coffee companies  
need to carry a cancer warning label in California. Superior Court Judge Elihu  
Berle said in a proposed decision Wednesday that Starbucks and other coffee  
companies failed to prove the threat from... ★ NUZ ★ <https://goo.gl/YL5GsS>

► **Bride Shaves Head 2 Months Before Wedding to Honor Her Late Mother  
Who Died of Cancer**

When Corinne Sullivan, of Chicago, lost her mother, Colleen Charneski, to liver  
cancer in 2016, she wanted to honor her memory in a special way. When a man  
with a shaved head walked into the bar where Sullivan, 41, worked last year and told  
her about the St ... ★ NUZ ★ <https://goo.gl/SYsgVc>

► **NFL Hall of Fame QB Jim Kelly to undergo cancer surgery**

Pro Football Hall of Fame quarterback Jim Kelly was expected to undergo  
reconstructive surgery on his upper jaw Wednesday in New York to treat a  
recurrence of oral cancer. Kelly posted a personal message via video on

Instagram to his fans, thanking them ... ★ NUZ ★ <https://goo.gl/5d4pJk>

▶ **Disease Models from Human Pluripotent Stem Cells Now Commercially Available**

BALTIMORE, March 28, 2018 /PRNewswire/ -- Elixirgen Scientific has begun selling a variety of cell-based human disease models after signing a new agreement, which allows the company to produce and distribute cells differentiated from the California ... ★ NUZ ★ <https://goo.gl/uvbjK7>

▶ **Get Your Butts To The Doctor To Prevent Colorectal Cancer**

Colorectal cancer is the second leading cause of cancer deaths among men and women combined in the U.S. This year, it will kill an estimated 50,000 people. Their families will endure unthinkable pain, witness unbearable suffering and say goodbye far too soon. ★ NUZ ★ <https://goo.gl/CPzX4L>

▶ **Karmanos Cancer Institute, first cancer center in Michigan to offer CAR-T Therapy for an aggressive type of non-Hodgkin Lymphoma**

DETROIT, March 27, 2018 (GLOBE NEWSWIRE) -- The Barbara Ann Karmanos Cancer Institute in Detroit is the first center in Michigan approved to treat adult patients with diffuse large B-cell non-Hodgkin lymphoma (DLBCL) with the commercially approved chimeric ... ★ NUZ ★ <https://goo.gl/8r1zMv>

▶ **Fort Collins vet treats dogs, exotic animals with stem cells**

Tootle used to hate going to the vet. The purebred dachshund didn't like the humans poking and prodding his nose with all kinds of different medicines. But he got used to it. And his nose started to get better. Tootle, 12, first came to the Colorado State ... ★ NUZ ★ <https://goo.gl/fZWkJa>

▶ **Scientists Got Vodka-Guzzling Rats to Stop Acting Like Alcoholics by Giving Them Human Stem Cells**

It's no easy feat to cut back on booze, especially for alcoholics. But now there may be a solution: human stem cells. After the four-month period of being able to choose between alcohol or water was up, the rats were then deprived of alcohol for two ... ★ GOOGLE ★ <https://goo.gl/UUrSQs>

▶ **More than 2,500 cancer cases a week could be avoided**

More than 135,500 cases of cancer a year in the UK could be prevented through lifestyle changes, according to new figures. More than 135,500 cases of cancer a year in the UK could be prevented through lifestyle changes, according to new figures from a ... ★ NUZ ★ <https://goo.gl/iL4Bwb>

▶ **Study tracks protein's role in stem cell function**

Megan Rasmussen, left, Vivian Gama, PhD, and colleagues are studying a

protein's role in helping stem cells maintain the ability to differentiate. Credit: Joe Howell MCL-1 is a member of the BCL-2 family of proteins important for blocking apoptosis, or ... ★ NUZ ★ <https://goo.gl/7va1Tc>

► **Attacking lymphoma at the source**

The efficacy of target specific therapies in lymphoma is limited to subgroups of patients. Scientists have identified a mechanism that confers resistance against a common therapy for lymphoma. They propose an alternative treatment that targets lymphoma ... ★ NUZ ★ <https://goo.gl/sSaBmc>

► **Novel genomics tool enables more accurate identification of rare mutations in cancer cells**

A new computational method allows scientists to identify rare gene mutations in cancer cells with greater accuracy and sensitivity than currently available approaches. The technique is called Lancet and represents a major advance in the identification of ... ★ NUZ ★ <https://goo.gl/9m9EoP>

► **This 3-D printed pen lets surgeons detect cancer in 10 seconds**

**CNBC** – Magdalena Petrova – Mar 22 – A team of scientists and engineers from the University of Texas at Austin may have figured out a fast and accurate way to diagnose tumors using a pen-sized device. The MasSpec Pen can detect cancer of the breast, thyroid, lung, ovaries and brain... ★ NUZ ★ <https://goo.gl/x61rFQ>

► **How a novel protein may combat cancer**

**Medical News Today** – Tim Newman – Mar 22 – Using cutting edge techniques, Swiss researchers find a new cancer-fighting protein. Each year, around 31,000 people in the United States develop, also known as hepatocellular carcinoma. And, roughly 24,000 people will die from the disease. ★ NUZ ★ <https://goo.gl/rVad92>

► **Souped-up screening test finds three types of cancer instead of one**

**Nature** – Mar 22 – An enhanced version of a common screening test for cervical cancer can also detect early-stage ovarian and endometrial cancers. The Papanicolaou test, also known as the Pap test or cervical smear, catches cervical cancers while they are still... ★ NUZ ★ <https://goo.gl/F4XUkr>