

**The Lord is
like a strong
tower, where
the righteous
can go and
be safe.**

Proverbs 18:10

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DIYARYO KABITENYO

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**Be alert,
stand firm
in the faith,
be brave, be
strong.**

1 Corinthians 16:13

Cavite irrigators receive NIA subsidy ahead of dry season

TRECE MARTIRES CITY – A total of 24 Irrigators' Associations received subsidies from the National Irrigation Administration (NIA) Cavite-Batangas IMO in preparation for the challenges of the dry season.

On June 18, the NIA Cavite-Batangas IMO distributed Operations and Maintenance subsidies worth ₱1,492,570.95 to help local farmers get ready for this year's dry season.

In partnership with the Cavite Farmers Irrigators Agriculture Cooperative, the subsidy will fund the cleaning, repair, and maintenance of irrigation canals to help maintain a steady water supply

for agricultural areas. Engineer Blue- Kevin Borreo, NIA CBIMO Operations and Maintenance chief, led the distribution during the System Management Committee (SMC) Conference. The activity was part of the agency's efforts to strengthen coordination with Irrigators' Associations, partner agencies, and local government units to ensure uninterrupted irrigation services during the dry months.

The NIA and its partners also signed an Agreement in Support of Faster and Better Implementation of Irrigation Projects and Sustainable and Reliable Irrigation Service to formalize

their commitment to quicker and more efficient implementation of irrigation projects.

The initiative also aims to support food security and improve farm yields in Cavite amid the possible effects of a prolonged dry season caused by the El Niño phenomenon.



DSWD enrolls 2,917 new 4Ps beneficiaries in Calabarzon

A total of Pantawid Pamilyang Pilipino Program (4Ps), the Department of Social Welfare and Development (DSWD) announced on July 6.

In a report posted on its Facebook page, DSWD Region IV-A said the new Community-Based Monitoring System (CBMS) database. The agency said it has started using the CBMS as the official basis for identifying families qualified for enrollment in the 4Ps this year.

DIYARYO KABITENYO

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ARNULFO BARCO

(May 14, 1951 - September 2, 2024)
Founder

GENER BARCO

Publisher-Editor

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Old muscle stem cells can act young again but there's a catch

Growing older the challenging often means conditions found in recovering more aging muscle.

slowly from muscle The research, injuries, but scientists published in the may have uncovered journal Science, an important reason suggests that some why. biological changes

A new study from linked to aging may UCLA, conducted not simply be signs in mice, found that of decline. Instead, aging muscle stem they may serve as cells build up high protective adaptations levels of a protein that that help cells survive. slows their ability to

spring into action and a new way of thinking repair damaged tissue. about aging," said At the same time, that Dr. Thomas Rando, protein appears to senior author of the help the cells endure study and director

of the Eli and Edythe Broad Center of Regenerative Medicine and Stem Cell Research at UCLA. "It's counterintuitive, but the stem cells that make it through aging may actually be the least functional ones. They survive not because they're the best at their job, but because they're the best at surviving. That gives us a completely different lens for understanding why tissues decline with age."

The researchers, led by postdoctoral scholars Jengmin Kang and Daniel Benjamin, compared muscle stem cells taken from young and old mice. They found that levels of a protein known as NDRG1 rose dramatically with age, reaching concentrations 3.5 times higher in older cells.

NDRG1 functions like a brake inside the cell. It suppresses a signaling pathway called mTOR, which

normally helps drive cell activation and growth.

To determine whether NDRG1 was contributing to slower muscle recovery, the scientists studied mice that had aged naturally to roughly the equivalent of 75 human years. When they blocked NDRG1 activity, the older muscle stem cells quickly regained youthful behavior, becoming more active and improving muscle repair after injury.

The improvement, however, came with a drawback. Without the protective effects provided by NDRG1, fewer stem cells remained alive over time. As a result, the tissue became less capable of regenerating after repeated injuries.

"Think of it like a marathon runner versus a sprinter," said Rando, who is also a professor of neurology at the David Geffen School of Medicine at UCLA. "The stem cells in young

animals are hyper-functioning -- really good at what they do, namely sprinting, but they're not good for the long term. They can make it through the 100-yard dash, but they can't make it even halfway through the marathon. By contrast, aged stem cells are like marathon runners -- slower to respond, but better equipped for the long haul. However, what makes them so proficient over long distances is exactly what renders them poor at sprinting."

The researchers confirmed their results using several different methods. They examined muscle stem cells from both young and old mice in laboratory cultures as well as in living tissue.

Across these experiments, the pattern remained consistent. Higher levels of NDRG1 reduced the cells' ability to rapidly activate and repair

muscle, while also increasing their resilience and long-term survival.

According to the researchers, the rise in NDRG1 may be driven by what they describe as a "cellular survivorship bias" -- stem cells with insufficient NDRG1 gradually disappear over time, leaving behind a population that survives better but functions more slowly.

"Some age-related changes that look detrimental -- like slower tissue repair -- may actually be necessary compromises that prevent something worse: the complete depletion of the stem cell pool," Rando said.

The researchers compare this phenomenon to trade-offs seen throughout nature. During difficult conditions such as drought, famine, or extreme cold, animals often shift resources toward survival mechanisms

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DEED OF EXTRAJUDICIAL SETTLEMENT OF
REAL PROPERTY WITH PARTITION

NOTICE is hereby given that the estate of the late **LUIS NARCISO NARTE** and **JUANITA SUAREZ NARTE** who both died intestate on May 11, 2000 at Manila City and on May 31, 2020 at Silang, Cavite, respectively, consisting of three (3) parcels of land situated at Imus, Cavite, General Trias, Cavite, and Guinayangan, Quezon , more particularly described as follows:

REAL PROPERTY 1: IMUS, CAVITE

A parcel of land located in Barangay Bucandala, Imus, Cavite, with an aggregate area of Two Hundred Fifty (250) square meters, more or less, and covered by Transfer Certificate of Title No. T-104857 of the Registry of Deeds for the Province of Cavite;

REAL PROPERTY 2: GENERAL TRIAS, CAVITE

A parcel of land located at Block 13, Lot 13, Barangay Biklatan, General Trias, Cavite, with an aggregate area of Two Hundred Twenty (220) square meters, more or less, and covered by Transfer Certificate of Title No. T-361875 of the Registry of Deeds for the Province of Cavite;

REAL PROPERTY 3: GUINAYANGAN, QUEZON

A parcel of land located in the Barangay Dungawan, Guinayangan, Quezon, with an aggregate area of One Hundred Four Thousand Seven Hundred Ninety-Nine (104,799) square meters, more or less, and covered by Transfer Certificate of Title No. T-115144 of the Registry of Deeds for the Province of Quezon,

has been adjudicated and extrajudicially settled by and between their compulsory heirs in the following manner:

1. TO THE HEIR/DAUGHTER: The properties located in Imus, Cavite (Transfer Certificate of Title No. T-104857) and General Trias, Cavite (Transfer Certificate of Title No. T-361875) are hereby adjudicated, transferred, and assigned entirely and exclusively to MARIA LUISA NARTE PAREDES;

2. TO THE HEIR/SON AND HEIR/DAUGHTER (EQUAL SHARE): The property located in Guinayangan, Quezon (Transfer Certificate of Title No. T-115144) shall be divided equally, with fifty percent (50%) undivided share going to JOEL SUAREZ NARTE and fifty percent (50%) undivided share going to MARIA LUISA NARTE PAREDES

on June 10, 2026 at Tanza, Cavite, Philippines before Notary Public Atty. Yvey Rose S. Caringal and entered in her Notarial Register as Doc. No. 425; Page No. 86; Book No. I; Series of 2026.

(Sgd.) **Heir/Son and Jean Luigi Narte Janohan as Attorney-in-fact of Heir/ Daughter)**

Publication : DIYARYO KABITENYO News Publishing Service
Dates : June 22, 29 and July 6, 2026

(OLD...from page 2)

like hibernation rather than reproduction. Muscle stem cells may be doing something similar as they age, directing resources away from their reproductive role (making more cells) and toward survival.

times of deprivation, animals turn on their own resilience programs," Rando said. "There are a lot of examples in nature of allocating resources to survival under times of stress. It's exactly aligned with

"Species survive because they reproduce, but in what we're seeing at the cellular level." The findings could

R.A. Form No. 10.1 (LCRO)
(Devised 18 Aug. 2001)

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City of: Cavite

JUNE 23, 2026

NOTICE FOR PUBLICATION

In compliance with section 5 of R.A. No. 9048 a notice is hereby served to the public that **MARIA RUDORA F. LANUZA** has filed with this Office a petition for Change of First name from "IRENE" to "**IRENE ROSE**" in the Birth Certificate of **IRENE PELAGIO CANDAME** who was born on **MAY 4, 1968** in **CAVITE CITY, CAVITE** and whose parents are **FEDERICO N. CANDAME and REALITA C. PELAYO**.

Any person adversely affected by said petition may file his written opposition with this Office.

(Sgd.) **FLORDELIZA M. ALEJO**
OIC-City Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : June 29 and July 6, 2026

RA Form No. 10.0 (LCRO)

Republic of the Philippines
Office of the Municipal Civil Registrar
Rosario, Cavite

NOTICE FOR PUBLICATION

CFN-0006-2026

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on R.A. 10172). Notice is hereby served to the public that **MA. VIVIAN P. VILLANUEVA** has filed in this office, a petition for **Change of First Name** from **VIVIAN** to **MA. VIVIAN** in the Certificate of Live Birth of **VIVIAN LIMJAP PRODIGALIDAD** at Rosario, Cavite and whose parents are **Reynaldo R. Prodigalidad** and **Teresita L. Limjap**.

Any person adversely affected by said petition may file his written opposition with this office not later than **13 July 2026**.

(Sgd.) **MARIA ROSARIO C. SORIANO**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : June 29 and July 6, 2026



Republic of the Philippines
Province of Cavite
MUNICIPALITY OF MENDEZ-NUÑEZ
OFFICE OF THE MUNICIPAL CIVIL REGISTRAR

In the matter of Change of First Name
Certificate of Live Birth of **VIVIANA SUAYAN**

CFN #0006-2026 RA 9048

VIVIAN SUAYAN DELA REA
Petitioner

NOTICE OF PUBLICATION

There is a petition for the Change of First Name of **VIVIANA SUAYAN** from **VIVIANA** to **VIVIAN** who was born on **DECEMBER 2, 1969** at **MENDEZ, CAVITE** and whose parents are **ERLINDA MAGSINO** and **JUANITO SUAYAN**.

NOTICE IS HEREBY GIVEN that any interested person is cited to notify this office and show cause why the same should not be granted.

Let this Notice be published at least once a week for two (2) consecutive weeks in a newspaper of general circulation as required under Section 5 of Republic Act No. 9048.

(Sgd.) **NOREN A. PEROLA**
Municipal Civil Registrar/OIC

Publication : DIYARYO KABITENYO News Publishing Service
Dates : June 29 and July 6, 2026



REPUBLIC OF THE PHILIPPINES
PROVINCE OF CAVITE
MUNICIPALITY OF TANZA

LOCAL CIVIL REGISTRY OFFICE

NOTICE OF PUBLICATION

In compliance with Sec. 5 of Rep. Act No. 9048, a notice is hereby served to the public that **IRMA BLANCAFLOR SIRON** has filed with this office a petition for CHANGE OF FIRST NAME from "**LENIA**" to "**IRMA**" in the of Certificate Live Birth of one, **LENIA C. BLANCAFLOR**, who was born on December 22, 1968 at Tanza, Cavite and whose parents were **VIRGILIO BLANCAFLOR & EPIFANIA A. CATIENZA**.

Any person adversely affected by said petition may file his written opposition with this Office not later than **10th July 2026**.

(Sgd.) **OFELIA U. ARGUSON**
OIC-Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : June 29 and July 6, 2026

help guide future that enhancing one efforts to develop aspect of stem cell therapies that improve function may come tissue repair while with unintended preserving stem cell consequences. survival. However, "There's no free lunch. Rando cautions We can improve the

function of aged cells during aging.

for a period of time, "This gene is for certain tissues, but almost like our every time we do this, doorway that there's going to be a we've opened into potential cost and a understanding what potential downside." controls these trade-

The team plans offs that are so to continue studying critical, not only for the molecular evolution of species mechanisms that but also for the aging determine how stem of tissues within an cells balance survival individual," Rando and performance said.

EXTRA JUDICIAL SETTLEMENT OF ESTATE
OF ELLEN CINCO ROBILLO WITH ABSOLUTE
SALE OF AN UNDIVIDED PORTION

NOTICE is hereby given that the estate of the late **ELLEN CINCO ROBILLO** who died intestate on August 2, 2021, at City of Dasmariñas, Cavite, consisting of her conjugal share or FIFTY (50%) PERCENT of that certain parcel of land, without improvement, located at Ardia Vermosa, Barangay Pasong Buaya 1, City of Imus, Province of **Cavite**, with an aggregate area of THREE HUNDRED TWENTY-TWO (322) SQUARE METERS, MORE OR LESS, and covered by TCT No. 057-2022067131 has been adjudicated and extra-judicially settled by and among her heirs in pro indiviso or in equal shares; that, for and in consideration of the sum of TWELVE MILLION FOUR HUNDRED NINETY NINE THOUSAND EIGHT HUNDRED FORTY FOUR AND 47/100 (Php 12,499,844.47) PESOS, Philippine Currency, they do hereby CEDE, TRANSFER, SELL AND CONVEY to SPOUSES ALLAN RONALD U. BARAOIDAN and GEMMA D. BARAOIDAN, their heirs, assigns and successor-in-interest their respective shares in the above described real property, which is equivalent to his (Resty D. Robillo) corresponding conjugal share (equivalent to 161 square meters) and his corresponding one-third (1/3) share (equivalent to 53.66 square meters) he inherited from his deceased wife; and her (Ysabelle Mei Cinco Robillo) corresponding one-third (1/3) share (equivalent to 53.66 square meters) she inherited from her deceased mother, thus, a total of TWO HUNDRED SIXTY EIGHT AND THIRTY THREE (268.33) SQUARE METERS, MORE OR LESS, on February 10, 2026 at Tagaytay City, Philippines before Notary Public Atty. Valentin C. Guanio and entered in his Notarial Register as Doc. No. 374; Page No. 76; Book No. 244; Series of 2026.

(Sgd.) Heir-Husband (for himself
and as representative of Heir-Son)
and Heir-Daughter

Publication : DIYARYO KABITENYO News Publishing Service
Dates : June 29, July 6 & 13, 2026

DEED OF EXTRA JUDICIAL SETTLEMENT
OF ESTATE WITH WAIVER OF RIGHTS

NOTICE is hereby given that the estate of the late **MELINDA DEL CASTILLO** who died intestate on September 7, 2025 in the City of Cavite, Philippines, consisting of a parcel of land situated in the City of San Antonio, Prov. of **Cavite**, covered by TCT No. T-14776 with all the improvements erected thereon, containing an area of ONE HUNDRED FIFTY THREE (153) SQUARE METERS has been adjudicated and extrajudicially settled by and among her only heirs with waiver of shares, interests and participation over the said parcel of land with all the improvements erected thereon in favor of EMMIL D. SAÑEZ on July 6, 2026 in Cavite City, Philippines before Notary Public Atty. Sikat G. Villacorte-Agbunag and entered in her Notarial Register as Doc. No. 436; Page No. 89; Book No. XXXI; Series of 2026.

(Sgd.) All Heirs

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6, 13 & 20, 2026

Scientists resurrect 3.2-billion-year-old enzyme to reveal how life began on Earth

Nitrogen is essential for every known form of life on Earth. Now, scientists say this common element may also help explain how the earliest life evolved on our planet and how life could develop elsewhere in the universe.

"All living

REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BDO UNIBANK, INC.,
Mortgagee,

FORECLOSURE CASE NO. F-228-26

-versus-

MARC LLOYD R. DELA CALZADA
Debtor/Mortgagor.

x-----x

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BDO UNIBANK, INC.**, with business address at 33rd Floor, BDO Corporate Center Ortigas, No. 12 ADB Avenue, Mandaluyong City against the Debtor/Mortgagor, **MARC LLOYD R. DELA CALZADA**, represented herein by **Irene Ventura Ayon** as his Attorney-in-Fact, with residence and postal addresses at (1) Zone 4-B, District II, Barangay Culianan, Zamboanga City (Occupied by third party); (2) No. 109 Banaba Lejos, Indang Cavite (unknown address) and (3) Block 15, Lot 18, Kensington 11, Brgy. Navarro, General Trias City, Cavite, to satisfy the mortgage indebtedness which as of **March 10, 2026** amounts to **TWO HUNDRED FIFTY THREE THOUSAND EIGHT HUNDRED TEN PESOS and 79/100 (PhP253,810.79)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **August 7, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE No. 057-2018009777

Lot No. 18 Block: 15 Plan No. Psd-04-226212
Portion of: Block 14, Pcs-04-027752, Decree No. 4270, LRC Rec. No. 5964
Location: Barangay of Navarro, Municipality of Gen. Trias, Province of Cavite, Island of Luzon
Boundaries:

LINE DIRECTION ADJOINING LOT(S)
1-2 NE Lot 17, Block 15, Psd-04-226212
2-3 SE Lot 16, Block 15, Psd-04-226212
3-4 SW Road Lot 18, Psd-04-226212
4-1 NW Lot 20, Block 15, Psd-04-226212

Area: FORTY SQUARE METERS (40), more or less

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **August 20, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, July 3, 2026.

(Sgd.) JOANNAH AVIGAIL F. CRISOLOGO-TIMKANG
Sheriff IV

Copy Furnished:

BDO UNIBANK, INC.
CONSUMER REMEDIAL MANAGEMENT
33rd Floor, BDO Corporate Center Ortigas
No. 12, ADB Avenue, Mandaluyong City

MR. MARC LLOYD R. DELA CALZADA
MS. IRENE VENTURA AYON

(1) Zone 4-B, District II, Barangay Culianan, Zamboanga City
(2) No. 109 Banaba Lejos, Indang, Cavite
(3) Block 15, Lot 18, Kensington 11, Brgy. Navarro, General Trias City, Cavite

WARNING: It is absolutely prohibited to remove, deface or destroy this Notice of Extra Judicial Sale on or before the date of sale.

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6, 13 & 20, 2026

organisms need nitrogen these enzymes.

to survive and, though "Our role in

it's all around us, we the study was to

can't access it directly," characterize a library

says Utah State of the synthetically

University biochemist r e c o n s t r u c t e d

Lance Seefeldt. ancestral nitrogenase

"Enzymes called genes," says Harris.

nitrogenases enable "Under controlled

nitrogen fixation, which lab conditions, we

converts nitrogen to a measured the nitrogen

form plants, animals, isotope fractionation in

humans and other life the cell biomass of the

forms can access. And engineered strains."

we're just beginning to The research

understand the extent to allowed scientists

which, over the Earth's to examine how

four-billion-year history, ancient nitrogenases

these nitrogenases have may have functioned

evolved." In a study billions of years ago.

published in Nature Seefeldt, who serves

Communications, as professor and head

Seefeldt, USU senior of USU's Department

scientist Derek Harris, of Chemistry and

and collaborators from Biochemistry, has

the NASA-funded Metal spent more than 30

Utilization and Selection years studying the

across Eons (MUSE) structure and function

project at the University of nitrogenases. He says

of Wisconsin-Madison the ability to recreate

used synthetic biology ancient forms of these

to work backward from enzymes marks an

modern nitrogenases important advance in

and reconstruct possible efforts to understand the

ancestral versions of

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REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

PHILIPPINE NATIONAL BANK,
(In its capacity as assignee-mortgagee
Of PNB Savings Bank)

Mortgagee,

FORECLOSURE CASE NO. F-280-26

-versus-

SUSANA T. TARIN represented herein
By her Attorney-in-Fact SHIRLEY
TEBELIN TARIN,

Debtor/Mortgagor.

x-----x

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **PHILIPPINE NATIONAL BANK**, (In its capacity as assignee-mortgagee of PNB Savings Bank) with business address at PNB Financial Center, Pres. Diosdado P. Macapagal Blvd., Pasay City against the Debtor/Mortgagor, **SUSANA T. TARIN**, represented herein by her Attorney-in-Fact by **Shirley Tebelin Tarin**, with residence and postal addresses at (1) #83-C Orchid Bernabe Phase II, San Dionisio, Parañaque City (2) 6711 Tramo St., San Dionisio, Parañaque City (3) Lot 28, Block 05 Brighton Phase 3, Brgy. Pasong Camachile, Gen. Trias, City and (4) Avenue de Thonez, 61225 Chene-Bourg, Switzerland, to satisfy the mortgage indebtedness which as of **February 28, 2026** amounts to **EIGHT MILLION EIGHT HUNDRED THIRTY SIX THOUSAND TWO HUNDRED EIGHTY SIX PESOS and 36/100 (PhP8,836,286.36)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **August 7, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE 057-2020048146

Lot No. **28** Block No. **5** Plan No. **Pcs-04-031781**
Portion of: Block 17, Pcs-04-030363 & Lot 1832, SFDM Estate (FRS-04-005426), LRC Record No. 5964

Location: Barangay of Pasong Camachile, City of Gen. Trias, Province of Cavite, Island of Luzon

Boundaries:

LINE	DIRECTION	ADJOINING LOT(S)
1-2	NE	Lot 29, Block 5, Pcs-04-031781
2-3	SE	Lot 8, Block 5, Pcs-04-031781
3-4	SE	Lot 9, Block 5, Pcs-04-031781
4-5	SW	Lot 11, Block 5, Pcs-04-031781
5-6	SW	Lot 12, Block 5, Pcs-04-031781
6-7	NW	Lot 27, Block 5, Pcs-04-031781
7-1	NW	Road Lot 8, Pcs-04-031781

Area: **ONE HUNDRED SEVENTY FIVE (175) SQUARE METERS, more or less**

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **August 20, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, July 3, 2026.

(Sgd.) **REYNALDO L. SALOMA**
Sheriff IV

Copy Furnished:

S.P. MADRID & ASSOCIATES
Counsel for the Mortgagee
17th Floor Chatham House Condominium
Valero St. cor. V.A. Rufino Street, Makati City, M.M.

MS. SUSANA T. TARIN
MS. SHIRLEY T. TARIN
(1) #83-C Orchid Bernabe Phase II, San Dionisio, Parañaque City
(2) 6711 Tramo St., San Dionisio, Parañaque City
(3) Lot 28, Block 05 Brighton Phase 3, Brgy. Pasong Camachile, Gen. Trias, City
(4) Avenue de Thonez, 61225 Chene-Bourg, Switzerland

WARNING: It is absolutely prohibited to remove, deface or destroy this Notice of Extra Judicial Sale on or before the date of sale

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REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BDO UNIBANK, INC.,
Mortgagee,

FORECLOSURE CASE NO. F-315-26

-versus-

SPS. ANGELICA E. DELA CRUZ AND
ISRAEL E. DELA CRUZ,
Debtors/Mortgagors.

x-----x

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BDO UNIBANK, INC.**, with business address at BDO Corporate Center, 33rd Floor, BDO Corporate Center Ortigas, No. 12 ADB Avenue, Mandaluyong City against the Debtor/Mortgagor, **SPS. ANGELICA E. DELA CRUZ AND ISRAEL E. DELA CRUZ; ANGELICA E. DELA CRUZ signing for herself and as Attorney-in-Fact of ISRAEL E. DELA CRUZ**, with residence and postal addresses at (1) Block 16 Lot 6 Somerset 14, Brgy. Pasong Camachile, Gen. Trias, Cavite (currently occupied by the mortgagors) and (2) No. 1624 Kalimbas Street, Brgy. 340 Zone 34 District II, Sta. Cruz, North Manila (no occupants), to satisfy the mortgage indebtedness which as of **March 31, 2026** amounts to **ONE MILLION NINE HUNDRED FORTY NINE THOUSAND THREE HUNDRED SIXTY SIX PESOS AND 85/100 (PhP1,949,366.85)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **August 7, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE NO. 057-2021003338

Lot No. **6** Block: **16** Plan No. **Pcs-04-028981**
Portion of: THE CONS/SUBD OF LOTS 1, 2 & 3, PCS-04-011336; LOT 2457-B-3, PSD-04-024243; LOT 2469-A, PSD-04- 233225; LOT 2457-A, LOT 2457-C, FLS-1228-D; LOT 2458, FRS-04-005325; LOT 2468 ALL OF SAN FRANCISCO, DE MALABON ESTATE, DECREED NO. 4270; LRC REC. NO. 5964
Location: BARANGAY OF: NAVARRO MUNICIPALITY OF GEN. TRIAS PROVINCE OF: CAVITE
Boundaries:
LINE DIRECTION ADJOINING LOT(S)
1-2 SW ROAD LOT 18, PCS-04-028981

(SCIENTISTS...from page 4)

origins of life on Earth atmospheric sources
and potentially on other of nitrogen through
worlds. "Until now, nitrogenases, which
science has relied on are just one family
ancient rock and fossils of enzymes. Study of
to study early life," fossilized enzymes
he says. "Our planet assumes ancient
was vastly different enzymes produced the
billions of years ago. same isotopic signatures
Modern microbes access as modern enzymes."

2-3 NW LOT 4, BLOCK 16, PCS-04-028981
3-4 NE LOT 24, BLOCK 16, PCS-04-028981
4-1 SE LOT 8, BLOCK 16, PCS-04-028981
Area: **NINETY SQUARE METERS (90), MORE OR LESS**

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **August 20, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, July 3, 2026.

(Sgd.) **REYNALDO L. SALOMA**
Sheriff IV

Copy Furnished:

BDO UNIBANK, INC.
CONSUMER REMEDIAL MANAGEMENT
33rd Floor, BDO Corporate Center Ortigas
No. 12, ADB Avenue, Mandaluyong City

SPS. ANGELICA E. DELA CRUZ AND ISRAEL E. DELA CRUZ
(1) Block 16 Lot 6 Somerset 14, Brgy. Pasong Camachile, Gen. Trias, Cavite (currently occupied by the mortgagors)
(2) No. 1624 Kalimbas Street, Brgy. 340 Zone 34 District II, Sta. Cruz, North Manila (no occupants)

WARNING: It is absolutely prohibited to remove, deface or destroy this Notice of Extra Judicial Sale on or before the date of sale.

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6, 13 & 20, 2026

According to ancient and modern,
Seefeldt, reconstructed is critical to helping
nitrogenases provide a us tackle current
new way to investigate agricultural challenges
what conditions in a changing climate,
on Earth and in its including areas at risk
atmosphere may have of famine due to drought
been like in the distant and lack of access to
past. "Understanding commercial fertilizers,"
nitrogenases, both he says.

REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BDO UNIBANK, INC.,
Mortgagee,

FORECLOSURE CASE NO. F-413-26

-versus-

JUNNIL C. PESCADERO,
Debtor/Mortgagor.

X-----X

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BDO UNIBANK, INC.**, with business address at BDO Corporate Center, 33rd Floor, BDO Corporate Center Ortigas, No. 12 ADB Avenue, Mandaluyong City against the Debtor/Mortgagor, **JUNNIL C. PESCADERO**, represented by **Nilven Callao Pescadero** as Attorney-in-Fact, with residence and postal addresses at (1) No. 126 Virata Street, Samonte Compound, Brgy. Silangan 1, Rosario, Cavite (currently occupied) and (2) Lot 29, Block 1 Phase 3, Brighton, Brgy. Pasong Camachile, General Trias, Cavite (currently occupied), to satisfy the mortgage indebtedness which as of **May 8, 2026** amounts to **TWO MILLION SIX HUNDRED NINETY THREE THOUSAND TWO HUNDRED NINETY THREE PESOS and 31/100 (PhP2,693,293.31)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **August 7, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE No. 057-2021017661

Lot No. 29 Block: 1 Plan No. Pcs-04-031781
Portion of: Block 17, Pcs-04-030363 & Lot 1832, SFDM Estate, (FRS-04-005426), LRC Record No. 5964,
Location: Barangay of Pasong Camachile, City of Gen. Trias, Province of Cavite, Island of Luzon

Boundaries:

LINE	DIRECTION	ADJOINING LOT(S)
1-2	SW	Road Lot 16, Pcs-04-031781
2-3	NW	Lot 30, Block 1, Pcs-04-031781
3-4	NE	Lot 2, Block 2, Pcs-04-029304
4-5	NE	Lot 1, Block 2, Pcs-04-029304
5-1	SE	Lot 28, Block 1, Pcs-04-031781

Area: NINETY SIX (96) SQUARE METERS, more or less

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **August 20, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, July 3, 2026.

(Sgd.) **RICARDO E. TOLEDO**
Sheriff IV

Copy Furnished:

BDO UNIBANK, INC.
CONSUMER REMEDIAL MANAGEMENT
33rd Floor, BDO Corporate Center Ortigas
No. 12, ADB Avenue, Mandaluyong City

MS. JUNNIL C. PESCADERO

MR. NILVEN C. PESCADERO

(1) No. 126 Virata Street, Samonte Compound, Brgy. Silangan 1, Rosario, Cavite
(2) Lot 29, Block 1, Phase 3 Brighton, Brgy. Pasong Camachile, General Trias, Cavite

WARNING: It is absolutely prohibited to remove, deface or destroy this Notice of Extra Judicial Sale on or before the date of sale.

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6, 13 & 20, 2026

This spray-on powder can stop life-threatening bleeding in 1 second

Excessive blood loss is the leading cause of death from combat injuries, making rapid bleeding control one of the biggest challenges in battlefield medicine. Researchers at KAIST, including an Army Major, have developed a next generation spray-on powder that can stop severe bleeding in about one second. The innovation could significantly improve survival for wounded soldiers while also offering broad potential for civilian emergency care.

The research team, led by Professor Steve Park of KAIST's Department of Materials Science and Engineering and Professor Sangyong Jon of the Department of Biological Sciences,

created a powder type hemostatic agent that quickly transforms into a strong hydrogel barrier when sprayed onto a wound.

Because an Army Major directly participated in the project, the technology was designed with real battlefield conditions in mind. The powder hardens almost instantly, remains stable during storage, and can be deployed quickly even in demanding environments such as combat zones and disaster areas.

Conventional patch type hemostatic products are widely used in medicine, but their flat design makes them difficult to apply to deep, irregular, or complex wounds. They can also be sensitive to temperature



Republic of the Philippines
OFFICE OF THE MUNICIPAL CIVIL REGISTRAR
Indang, Cavite



Publication Notice
R.A. NO. 10172

NOTICE TO THE PUBLIC

01 July 2026

CFN-0002-2026
CCE-0056-2026 RA. NO. 10172

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No 2013-1 Guidelines in the Implementation of the Administrative Order No 1 Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that **ARNEL E. KASAYSAYAN** has filed with this office, a petition for **change of first name** from **ARMEL** to **ARNEL** and **correction of entry in the date of birth** from **August 16, 1969** to **July 16, 1969** in the Certificate of Live Birth of **ARNEL E. CASAYSAYAN** at Indang, Cavite and whose parents are **Victorio Casaysayan** and **Leonida Erni**.

Any person adversely affected by said petition may file his/her written opposition with this Office not later than **July 20, 2026**.

(Sgd.) **MERCI A. CHAVEZ**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6 & 13, 2026



Republic of the Philippines
OFFICE OF THE MUNICIPAL CIVIL REGISTRAR
Indang, Cavite



Publication Notice
R.A. NO. 10172

NOTICE TO THE PUBLIC

CCE-0058-2026

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No 2013-1 Guidelines in the Implementation of the Administrative Order No 1 Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that **MARIO M. ROMILLA** has filed with this Office, a petition for **correction of entry in the date of birth** from **December 16, 1961** to **December 12, 1961** in the Certificate of Live Birth of **MARIO M. ROMILLA** at Indang, Cavite and whose parents are **Abdon C. Romilla** and **Maria Matel**.

Any person adversely affected by said petition may file his/her written opposition with this Office not later than **July 20, 2026**.

(Sgd.) **MERCI A. CHAVEZ**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6 & 13, 2026

and humidity, creating challenges for storage and field use. used on deep, large, and uneven injuries, making it more versatile than traditional alternatives.

To overcome those limitations, the researchers developed a powder that can conform to wounds of many different shapes and sizes. A single product can be Most existing hemostatic powders work primarily by absorbing blood and creating a physical barrier. Instead, Turn to page 7

REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

J.C.T. EZ LOAN CORPORATION,
Mortgagee,

FORECLOSURE CASE NO. F-387-26

-versus-

JOSEPHINE CAPORAL ESPINO,
Mortgagor.

X-----X

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Petitioner/Mortgagee, **J.C.T. EZ LOAN CORPORATION**, with office address at Unit 4, 3rd Floor, Congressional Square, No. 26, Congressional Avenue, Brgy. Bahay Toro, Quezon City, against the Mortgagor, **JOSEPHINE CAPORAL ESPINO**, with postal addresses at (1) 6284 Kapt. Tinoy St., La Huerta, Parañaque City and (2) Blk. 16 Lot 2 Centro De Oro, Pasong Kawayan II, General Trias, Cavite, to satisfy the mortgage indebtedness which as of **May 25, 2026**, amounts to **FIVE HUNDRED EIGHTY ONE THOUSAND SEVEN HUNDRED TWENTY FIVE PESOS and 37/100 (Php581,725.37)**, Philippine Currency, inclusive of interests, penalties, legal fees and other charges as of said date but exclusive of all other charges incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **August 7, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon, at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE No. 057-2015027737

LOT NO. 2 BLOCK NO. 16 PLAN NO. Psd-04-224416
PORTION OF: Lot 3235, San Francisco de Malabon Estate RS-04-004047

LOCATION: Barangay of Pasong Kawayan II, Municipality of General Trias, Province of Cavite, Island of Luzon

BOUNDARIES:

LINE	DIRECTION	ADJOINING LOT (S)
1-2	SE	Lot 1, Block 16, Psd-04-224416
2-3	SW	Road Lot 15, Psd-04-224416
3-4	NW	Lot 3, Block 16, Psd-04-224416
4-5	NE	Lot 14, Block 16, Psd-04-224416
5-1	NE	Lot 15, Block 16, Psd-04-224416

AREA: ONE HUNDRED TEN SQUARE METERS (110), more or less

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said time and date, it shall be held on **August 20, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, July 3, 2026.

(Sgd.) **REYNALDO L. SALOMA**
Sheriff IV

Copy furnished:

J.C.T. EZ LOAN CORPORATION
Unit-4, 3rd Floor Congressional Square
No. 26 Congressional Avenue, Bahay Toro, Quezon City

MS. JOSEPHINE C. ESPINO
(1) 6284 Kapt. Tinoy St., La Huerta, Parañaque City
(2) Blk. 16 Lot 2 Centro De Oro, Pasong Kawayan II, General Trias, Cavite

WARNING: It is absolutely prohibited to remove, deface or destroy this Notice of Extra Judicial Sale on or before the date of sale

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6, 13 & 20, 2026



REPUBLIC OF THE PHILIPPINES
PROVINCE OF CAVITE
MUNICIPALITY OF MENDEZ-NUÑEZ
OFFICE OF THE MUNICIPAL CIVIL REGISTRAR

NOTICE TO THE PUBLIC

CCE-0026-2025 RA 10172 DATE: July 02, 2026

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guideline in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on RA 10172), Notice is hereby served to the public that **ROTA CUBIO VISTO** has filed with this Office, a petition for Correction of Clerical Error in Gender from **MALE** to **FEMALE** in the Certificate of Live Birth of **ROTA REDOBLO** at Mendez, Cavite and whose parents are **RUBEN AURE CUBIO** and **ANITA SUMILANG REDOBLO**.

Any person adversely affected by said petition may file his written opposition with this office not later than July 20, 2026.

(Sgd.) **NOREN A. PEROLA**
Municipal Civil Registrar, OIC

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6 & 13, 2026



REPUBLIC OF THE PHILIPPINES
PROVINCE OF CAVITE
MUNICIPALITY OF TANZA
LOCAL CIVIL REGISTRY OFFICE

Publication Notice
R.A.10172

NOTICE TO THE PUBLIC

CCE - 0120-2026 RA 10172 Date: June 2, 2026

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the Implementation of the Administrative Order No.1, Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that **MICHAEL KIM DEL ROSARIO BAUTISTA**, has filed with this Office, a petition for **CORRECTION OF ENTRY IN CHILD'S SEX** from **"FEMALE"** to **"MALE"**, in the Certificate of Live Birth of **GANESHA NUÑEZ BAUTISTA**, who was born on 03 January 2023 at Tanza, Cavite of parents **PRINCESS LOLET NUÑEZ & MICHAEL KIM DEL ROSARIO BAUTISTA**.

Any person adversely affected by said petition may file his/her written opposition with this Office not later than July 16, 2026.

(Sgd.) **OFELIA U. ARGUSON**
OIC-Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6 & 13, 2026

(THIS...from page 6)

the KAIST team designed blood.

their material to take The new material,

advantage of natural ionic called 'AGCL powder,'

reactions that occur in combines several



REPUBLIC OF THE PHILIPPINES
PROVINCE OF CAVITE
MUNICIPALITY OF TANZA

LOCAL CIVIL REGISTRY OFFICE

NOTICE OF PUBLICATION

In compliance with Sec. 5 of Rep. Act No. 9048, a notice is hereby served to the public that **HERNANDO VILLALUZ MASANGKAY** has filed with this office a petition for CHANGE OF FIRST NAME from **"FRANCISCO JR."** to **"HERNANDO"** in the Certificate Live Birth of one, FRANCISCO MASANGKAY JR., who was born on August 15, 1955 at Tanza, Cavite and whose parents were FRANCISCO MASANGKAY & TEOFISTA VILLALOS.

Any person adversely affected by said petition may file his written opposition with this Office not later than **16th July 2026**.

(Sgd.) **OFELIA U. ARGUSON**
OIC-Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : July 6 & 13, 2026

naturally derived, heavy, high pressure
biocompatible bleeding. According
ingredients. These to the researchers, the
include Alginate and material outperformed
Gellan Gum (which react commercially available
with calcium for ultra-fast hemostatic agents,
gelation and physical achieving an adhesive
sealing) along with strength greater than
Chitosan (which bonds '40kPa,' which is strong
with blood components enough to withstand firm
to enhance chemical and hand pressure.

biological hemostasis). AGCL powder is

When the powder made entirely from
comes into contact with naturally derived
blood, it reacts with materials. Laboratory
cations such as calcium testing showed a
and transforms into a hemolysis rate below 3%,
gel in about one second, cell viability above 99%,
rapidly sealing the and an antibacterial effect
wound. of 99.9%, indicating that

Its three dimensional it is safe when it comes
internal structure also into contact with blood.

allows the powder to Animal studies
absorb more than seven also demonstrated
times its own weight rapid wound healing,
in blood (725%). This along with improved
enables it to quickly block regeneration of blood
blood flow even during vessels and collagen.

Scientists solve a 30-year rye pollen mystery that could transform cancer research

Nearly 30 years ago, researchers discovered two unusual molecules in rye pollen that appeared to slow tumor growth in animal studies. Despite the promising findings, the research reached a dead end because scientists could not determine the molecules' exact three dimensional structures.

Now, chemists at Northwestern University have solved that long standing mystery. By constructing the molecules from scratch in the laboratory, they confirmed the precise structures of secalosides A and B for the first time. With an accurate molecular blueprint available, researchers can now investigate how these compounds from rye pollen, which comes from a cereal crop widely grown for its grain, interact with the immune

system. That knowledge could eventually help guide the development of new approaches to cancer treatment. The findings were published in the Journal of the American Chemical Society.

"In preliminary studies, other researchers found that rye pollen could help different animal models clear tumors through some unknown, non-toxic mechanism," said Northwestern's Karl A. Scheidt, who led the study. "Now that we confirmed the structure of these molecules, we can find the active ingredient -- or what part of the molecule is doing the work. This is an exciting starting point to make better versions of these molecules that could possibly inform approaches to cancer therapy." Scheidt is a professor of chemistry at

Northwestern's Weinberg College of Arts and Sciences and a professor of pharmacology (by courtesy) at Northwestern University Feinberg School of Medicine. He also is a member of the Chemistry of Life Processes Institute and of the Robert H. Lurie Comprehensive Cancer Center of Northwestern University.

Many important medicines have their roots in nature. Scientists have long studied plants, fungi, and microbes for compounds that can inspire new treatments.

Morphine, a powerful pain medication, comes from the opium poppy. Taxol, an important chemotherapy drug, was first isolated from the Pacific yew tree. Statins, which help lower cholesterol and reduce the risk of heart disease, originated from fungi.

Light switch wakes sleeping cancer cells and makes them vulnerable again

Some cancer cells can enter a dormant, sleep-like state that helps them survive treatment. Instead of continuing to grow and divide, these cells become largely inactive, allowing them to avoid the effects of many cancer drugs.

In certain forms of cancer, including some types of lung cancer, stress hormones can trigger this response. Specialized proteins called glucocorticoid receptors detect those hormones inside tumor cells. Once activated, the receptors can push the cells into a dormant state where cell division slows dramatically. As a result, many therapies become far less effective.

Researchers have been searching for ways to disable these receptors and wake the cancer cells from dormancy, making them easier to target and destroy.

A major challenge is that glucocorticoid receptors are found throughout the body, not just in cancer cells. These receptors play essential roles in controlling inflammation and supporting normal immune system

function. Because of this, eliminating glucocorticoid receptors everywhere in the body would cause serious side effects. Any successful treatment must therefore target tumor cells while leaving healthy tissue largely unaffected.

Scientists at ETH Zurich have developed a potential solution. They created a system that triggers the destruction of glucocorticoid receptors inside tumor cells while allowing researchers to use light to selectively switch off the process in nearby healthy tissue.

"This system is based on existing medical technology and therefore offers a realistic prospect of localized therapies," says Robin Scheuplein, joint first author of the study and a doctoral student in the research group led by Katharina Gapp, Professor of Epigenetics and Neuroendocrinology.

The new approach takes advantage of a natural cellular recycling process. Normally, cells identify damaged or defective proteins and mark them for disposal by attaching a small

molecular tag, essentially labeling them as cellular waste. Once tagged, those proteins are broken down and removed.

The ETH Zurich team adapted this process to specifically target glucocorticoid receptors in tumor cells.

To accomplish this, the researchers designed a molecular switch consisting of three components. One part attaches to the glucocorticoid receptor. Another attaches to the enzyme responsible for placing the disposal tag. Between them is a flexible connector.

The connector is the key to the system. Under normal lighting conditions, it remains extended, positioning the enzyme close enough to label the receptor for destruction. The cell then breaks down and removes the receptor.

When exposed to light of a specific wavelength, however, the connector bends. This change prevents the enzyme and receptor from aligning properly, stopping the tagging process and preventing receptor destruction.