

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

Jonvic decries inadequate vaccine allocation for Calabarzon

Gov. Jonvic Remulla said last Aug. 17 that the Calabarzon region has not been allocated enough COVID-19 vaccines, despite its dense population and proximity to Metro Manila, the epicenter of the pandemic.

In a statement, Remulla said that the region—which consists of the provinces of Batangas, Cavite, Laguna, Quezon and Rizal—has a total population of around 16.2 million, but has only been given 4.44 million doses of COVID-19 vaccine so far.

Metro Manila,

Turn to page 2



Dasma announces end of localized total lockdowns in 2 areas

The local government of Dasmariñas City, Cavite announced

last Aug. 16 that Subdivision and the localized total lockdowns of had ended last Aug. 14.

The city government did disinfection at the main road and sidewalks of the areas to ensure safety and cleanliness of the environment.

DIYARYO KABITENYO

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ARNULFO BARCO
Publisher - EditorGENER BARCO
Operations Manager

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Papi

Publishers Association of the Philippines, Inc.

(JONVIC... from page 1)

Remulla said, has already received at least 12 million doses of COVID-19 vaccine so far or just a million doses short of its population of around 13.4 million.

"Sabihin na natin na ang epicenter ng pandemya ay talaga namang ang Metro Manila o NCR. Ngunit dahil katapit ng NCR ang Cavite at Laguna, hindi maitiwasang kumalat din sa ating lalawigan ang malalang epekto ng COVID-19. Karamihan sa ating mga residente ay naghahanapuhay o malimit na napapatpad sa NCR," Remulla said in a statement.

"Kaya't hiling po sana natin sa Department of Health (Philippines) and on behalf of the Region 4-A LGUs, ay kong maari bigyan naman po ng pansin ang kaulangan ng supply ng bakuna sa ating rehiyon," Remulla added.

Remulla said that the DOH is accountable for this lack of COVID-19 vaccine supply, given that local governments cannot directly negotiate with vaccine manufacturers as the vaccines only have emergency use authorizations issued by the

Vaccine stockpiling by nations could lead to increase in COVID-19 cases, novel variant emergence, study finds

The allocation of COVID-19 vaccine between countries has thus far tended toward vaccine nationalism, wherein countries stockpile vaccines to prioritize access for their citizenry over equitable vaccine sharing. The extent of vaccine nationalism,

however, may strongly impact global trajectories of COVID-19 case numbers and increase the potential emergence of novel variants, according to a Princeton University and McGill University study published Aug. 17 in the journal Science.

"Certain countries such as Peru and South Africa that have had severe COVID-19 outbreaks have received few vaccines, while many doses have gone to countries experiencing comparatively milder pandemic impacts, either in terms of mortality or economic dislocation,"

said co-first author Caroline Wagner, an assistant professor of bioengineering at McGill University who previously served as a postdoctoral research associate in Princeton's High Meadows Environmental Institute (HMEI).

Food and Drug Administration (FDA).

"As of August 6, our supplier (American biotechnology company Novavax) has applied for emergency use authorization of its COVID-19 vaccine in the Philippines. The FDA has yet to approve the application," Remulla said.

"Ang Novavax

lamang ang siyang pinayagan ng DOH para makipag-nego at mag-supply sa mga LGU habang ang mga brands na AstraZeneca, Pfizer-BioNTech and Moderna ay lang-ang DOH lamang ang maaaring makipag-usap, meaning they do not entertain inquiries from us at the LGU level," Remulla pointed out.

The Philippine government initially identified NCR Plus 8 as priority areas for COVID-19 vaccination.

NCR Plus 8 is composed of Metro Manila, Bulacan, Rizal, Cavite, Laguna, Pampanga, Metro Cebu and Metro Davao.

This has since been expanded to NCR Plus 8 Plus 10 to add

other highly urbanized cities.

"The fact remains we simply do not have enough vaccine support to fight this global pandemic," Remulla said.

The government's data on COVID-19 vaccine statistics, the latest of which was issued August 15, does not show vaccine distribution per region.

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

HOME DEVELOPMENT MUTUAL FUND
Mortgage
FORECLOSURE CASE NO. F-2018-05

JUNA M. TRUGILLO
Mortgagee

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4174, filed by Mortgagee, HOME DEVELOPMENT MUTUAL FUND, with business address at 12th Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City, against the Mortgagee, JUNA M. TRUGILLO with residence and postal address 196 Paruk 5, Floodway, Sta. Lucia, Pang City, and Lot 26, Blk. 137, Ptd-04-099961, CH Tama Phase 7, Bo. Tama, Tama, Cavite to satisfy the mortgage indebtedness which as of 30 August 2021 amounts to: TWO HUNDRED THIRTEEN THOUSAND FOUR HUNDRED TEN PESOS AND 01/100 (P213,408.01), 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 set at public auction on **September 23, 2021** at 10:00 o'clock in the morning at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trinidad 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. T-799117

A PARCEL OF LAND (Lot 26, Blk. 137, of the subdiv. plan, Ptd-04-099961 being a portion of Lot-1108, Sta. Cruz de Malabon Estate (R-04-02222) GLRO Record No. 6832) situated at Barangay of Paruk, Main of Tama, Prov. of Cavite, Island of Luzon. Bounded on the SW, along line 1-2 by lot 25, on the NW, along line 2-3 by lot 24, both of blk. 137, of the subdiv. plan, on the NE, along line 3-4 by Aday 119 and on the SE, along line 4-1 by lot 28, Blk. 137, all of the subdiv. plan. Beginning at a point marked "1" on plan xxx containing an area of THIRTY THREE (33) SQ. METERS more or less xxx

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 **October 07, 2021** without further notice.

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

Trinidad Martires City, August 03, 2021.

(Sgd.) LDCJO C. ALEJO III
Sheriff IV

Copy Furnished:

HOME DEVELOPMENT MUTUAL FUND
12th Floor, JELP Business Solution Center,
No. 409 Shaw Boulevard, Mandaluyong City

JUNA M. TRUGILLO
196 Paruk 5, Floodway, Sta. Lucia, Pang City
and Lot 26, Blk. 137, Ptd-04-099961, CH Tama Phase 7, Bo. Tama, Tama, 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
Date: August 9, 16 & 23, 2021

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

HOME DEVELOPMENT MUTUAL FUND
Mortgage
FORECLOSURE CASE NO. F-795-14

SPOUSES HOMER L. VALLE
and ROSELYN SUAYAN VALLE
Mortgagee

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4174, filed by Mortgagee, HOME DEVELOPMENT MUTUAL FUND, with business address at 12th Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City, against the Mortgagee, SPOUSES HOMER L. VALLE and ROSELYN SUAYAN VALLE with residence and postal address 441 E. POLILLIO ST. PITOGO, MARATI CITY, AND LOT 72, BLOCK 30, COUNTRY MEADOWS, ELANG, GENERAL TRIAS, CAVITE to satisfy the mortgage indebtedness which as of 23 June 2016 amounts to: FOUR HUNDRED THIRTY FIVE THOUSAND FIVE HUNDRED SIXTY PESOS AND 50/100 (P435,566.50), 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 set at public auction on **September 30, 2021** at 10:00 o'clock in the morning at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trinidad 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. T-996116

A parcel of land (Lot 72 of the subdiv. plan Ptd-04-012877, being a portion of Lots 2-28, Blk. 30, Ptd-042108-076214, LRC Rec. No. 1, at St. Inigo, Elang, Main of Gen. Trias, Prov. of Cavite, Is. of Luzon. Bounded on the SW, along line 1-2 by Road 12, Ptd-042108-076214, on the NW, along line 2-3 by Lot 71 of the subdiv. plan, on the NE, along line 3-4 by Blk. 61, Ptd-042108-076214, and on the SE, along line 4-1 by Lot 71 of the subdiv. plan. Beginning at a pt. marked "1" on plan xxx containing an area of THIRTY FIVE (35) SQUARE METERS xxx

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 **October 07, 2021** without further notice.

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

Trinidad Martires City, August 03, 2021.

(Sgd.) LDCJO C. ALEJO III
Sheriff IV

Copy Furnished:

HOME DEVELOPMENT MUTUAL FUND
12th Floor, JELP Business Solution Center,
No. 409 Shaw Boulevard, Mandaluyong City

SPOUSES HOMER L. VALLE
and ROSELYN SUAYAN VALLE
441 E. POLILLIO ST. PITOGO, MARATI CITY,
AND LOT 72, BLOCK 30, COUNTRY MEADOWS, ELANG,
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
Date: August 9, 16 & 23, 2021

Republic of the Philippines
Province of Cavite
OFFICE OF THE CITY CIVIL REGISTRAR
Trinidad Martires City

Publication Notice
P.A. 10172

NOTICE TO THE PUBLIC

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 (ORC on R.A. 10172), Notice is hereby served to the public that **HAZEL ANN L. HERRERA** has filed with this Office a Petition for Correction of Entry in the CGO's and from "**MALE**" to "**FEMALE**" in the Certificate of Live Birth of **HAZEL ANN L. HERRERA** born on **JUNE 26, 1992** at **Trinidad Martires City, Cavite** and whose parents are **REYNALDO A. HERRERA** and **RHODORA H. LANZAGA**.

Any person adversely affected by said petition may file his/her written opposition with this office not later than **August 30, 2021**.

(Sgd.) MAXIMO JR. L. LONTOC
City Civil Registrar

DIYARYO KABITENYO - August 16 & 23, 2021

Republic of the Philippines
Province of Cavite
OFFICE OF THE CITY CIVIL REGISTRAR
Trinidad Martires City

NOTICE FOR PUBLICATION

In compliance with Section 5 of Republic Act No. 8048, a notice is hereby served to the public that **JOSE RODERICK LARDIZABAL DIZON** has filed with this office a **PETITION FOR CHANGE OF FIRST NAME** from "**RODERICK**" to "**JOSE RODERICK**" in the Certificate of Live Birth of **RODERICK LARDIZABAL DIZON** who was born on **October 26, 1981** at **Quezon City, Metro Manila** and whose parents are **REYNALDO T. DIZON** and **LEONCIA LARDIZABAL**.

Any person adversely affected by said petition may file his/her written opposition with this office not later than **August 30, 2021**.

(Sgd.) MAXIMO JR. L. LONTOC
City Civil Registrar

DIYARYO KABITENYO - August 16 & 23, 2021

How microbes can exacerbate cognitive decline

Recent research has found that changes in the gut microbiota and other microbes that live in the intestines can alter the brain and behavior. Now, a study led by scientists at UCLA could elucidate how and why that phenomenon occurs.

Republic of the Philippines
OFFICE OF THE MUNICIPAL
CIVIL REGISTRAR
Iloilo, Cebu

Publisher's Name
R.A. NO. 10172

NOTICE TO THE PUBLIC

17 August 2021

CPN 0803-2021
CCE-0024-2021 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 (RR in R.A. 10172), Notice is hereby served to the public that LEONILA F. PERLADO has filed with this Office, a petition for change of first name from LEONIDA to LEONILA and correction of error in the date of birth from April 2, 1962 to April 11, 1962 in the Certificate of Live Birth of LEONIDA PAPA at Indang, Cebu and whose parents are Rodolfo Papa and Jolia Merlan.

Any person adversely affected by said petition may file his/her written opposition with this Office not later than September 6, 2021.

(Spd.) MERCLA CHAVEZ
Municipal Civil Registrar

DIYARYO KABITENYO - August 23 & 30, 2021

Genome-editing strategy developed for potential Alzheimer's disease therapy

An international research team led by scientists from the Hong Kong University of Science and Technology (HKUST) has developed a novel strategy using brain-wide genome-editing technology that can reduce Alzheimer's disease (AD) pathologies in genetically modified AD mouse models. This advanced technology offers immense potential to be translated as a novel long-acting therapeutic treatment for AD patients.

In China alone, over 500,000 patients are estimated to be living with a hereditary form of AD — familial Alzheimer's disease (FAD), which is a congenital form of AD highly associated with family history. Although FAD has a clear genetic cause and can be diagnosed before cognitive problems occur, no effective treatment currently exists.

There is enormous potential in the use of genome-editing technology* as therapeutic strategies for diseases caused by inherited mutations, such as FAD. It is especially useful for correcting disease-causing genetic mutations before symptoms appear, for which it is considered a "once-and-for-all" treatment as its effects can last a lifetime. However, several hurdles have prevented its clinical development and application — most notably the lack of an effective, efficient, and non-invasive means to deliver genome-editing agents into the brain. Furthermore, existing genome-editing technologies are unable to generate beneficial outcomes throughout the whole brain.

Recently, a team led by Prof. Nancy Ip, Vice-President for Research and Development at HKUST, developed a new genome-editing system that not only crosses the blood-brain barrier, but also delivers an optimized genome-editing tool to the entire brain. Using a newly engineered delivery vehicle for genome-editing, this strategy achieves efficient brain-wide genome editing through a single non-invasive intravenous administration. This effectively disrupts FAD-inflicted mutations in AD mouse models and ameliorates AD pathologies throughout the entire brain, paving the way to novel therapeutic development for the disease.

Meanwhile, the research team also found in the mouse models that the level of amyloid, a protein thought to drive neurodegeneration in AD, remained low for 6 months post-treatment (about 1/3 of their normal lifespan), demonstrating that this single-shot genome-editing strategy has lasting effects. More importantly, no side effects were detected so far in the mice.

Contact tracing is key to suppressing COVID-19, research shows

The emergence of the delta variant and continued vaccine hesitancy have caused many health and government officials to revisit the need for non-pharmaceutical interventions (NPIs) like social distancing policies, mask wearing, contact tracing and isolating infected individuals to manage new COVID-19 surges.

The one thing everyone wants to avoid is another lockdown, but what intervention measures work best without the need for strict social distancing? New research from the University of Georgia suggests that officials should prioritize contact tracing and quarantine.

DEED OF EXTRAJUDICIAL SETTLEMENT OF THE ESTATE OF ANTONIO M. ORCULLO WITH WAIVER OF RIGHTS

NOTICE is hereby given that the estate of the deceased ANTONIO M. ORCULLO who died intestate on March 18, 2011 at Our Lady of the Pillar Medical Center, Iloilo, Cavite, consisting of several parcels of land, more particularly described as follows:

Transfer Certificate of Title No. T-448017-Iloilo (With Improvement)

A parcel of land situated in the Bn. of Alapno, Mun. of Iloilo, Prov. of Cavite, containing an area of TWO HUNDRED EIGHTY FOUR SQUARE METERS AND FIFTY SQ. DECIMETERS (284.50) more or less.

A residential house with floor area of 80 sq. meters, covered by Tax Declaration No. 89-0005-09534.

Transfer Certificate of Title No. T-11067-Iloilo (With Improvement)

A parcel of land situated in the Barrio of Anaba Primitivo, Mun. of Iloilo, Prov. of Cavite, containing an area of TWO HUNDRED FORTY NINE (249) SQUARE METERS, more or less.

Commercial Bldg. with Floor Area of 97.169.30 sq. meters and covered by Tax Declaration No. 238-0007-17958.

Transfer Certificate of Title No. T-57185-Iloilo (With Improvement)

A parcel of land situated in the Barrio of Anaba, Mun. of Iloilo, Prov. of Cavite, Is. of Luzon, containing an area of NINE HUNDRED FIFTY ONE (951) SQUARE METERS, more or less.

Apartment House III-C (2 Doors) with Floor Area of 74 sq. meters and covered by Tax Declaration No. 89-0007-08171.

House IV with Floor Area of 42 sq. meters and covered by Tax Declaration No. 89-0007-08172.

House IV with Floor Area of 33 sq. meters and covered by Tax Declaration No. 89-0007-08173.

Apartment House (4 Doors) Apt. House (4 Doors) III-B and covered by Tax Declaration No. 89-0007-08174.

House IV with Floor Area of 33 sq. meters and covered by Tax Declaration No. 89-0007-08175.

Apartment House (4 Doors) II-D with Floor Area of 109 sq. meters and covered by Tax Declaration No. 89-0007-08176.

Transfer Certificate of Title No. T-73568-Iloilo (With Improvement)

A parcel of land situated in the Bn. Bayan Loma, Mun. of Iloilo, Prov. of Cavite, Is. of Luzon, containing an area of SEVENTY (70) SQUARE METERS, more or less.

House III-C or 4 Unit Units with Floor Area of 809 sq. meters and covered by Tax Declaration No. 05-0009-47818.

Transfer Certificate of Title No. T-687619-Iloilo (With Improvement)

A parcel of land situated in the Bn. of Anaba, Mun. of Iloilo, Prov. of Cavite, Is. of Luzon, containing an area of T W O HUNDRED FIFTY (250) SQUARE METERS, more or less.

House IV with Floor Area of 60 sq. meters and covered by Tax Declaration No. 89-0008-08205.

Transfer Certificate of Title No. T-117179-Iloilo (With Improvement)

A parcel of land situated in the Barrio of Anaba 2^a, Mun. of Iloilo, Prov. of Cavite, Is. of Luzon, containing an area of T W O HUNDRED SIXTY EIGHT (268) SQUARE METERS, more or less.

Transfer Certificate of Title No. T-117188-Iloilo (With Improvement)

A parcel of land situated in the Barrio of Anaba 2^a, Mun. of Iloilo, Prov. of Cavite, Is. of Luzon, containing an area of T W O HUNDRED THIRTY EIGHT (238) SQUARE METERS, more or less.

Transfer Certificate of Title No. T-117181-Iloilo (With Improvement)

A parcel of land situated in the Barrio of Anaba 2^a, Mun. of Iloilo, Prov. of Cavite, Is. of Luzon, containing an area of TWO HUNDRED SEVENTY (270) SQUARE METERS, more or less.

Transfer Certificate of Title No. T-117182-Iloilo (With Improvement)

A parcel of land situated in the Barrio of Anaba 2^a, Mun. of Iloilo, Prov. of Cavite, Is. of Luzon, containing an area of T W O HUNDRED FORTY (240) SQUARE METERS, more or less.

Commercial Apartment situated on Lots 1, 2, 3 & 4 with Floor Area of 186.138 and covered by Tax Declaration No. 89-0007-08169.

Transfer Certificate of Title No. T-709268-Iloilo (With Improvement)

A parcel of land situated in the Bn. of Anaba, Mun. of Iloilo, Prov. of Cavite, containing an area of TWO HUNDRED SEVENTY THREE (273) SQUARE METERS AND FIFTY SQUARE DECIMETERS (273.50) more or less.

Residential house with Floor Area of 130 and 74 sq. meters covered by Tax Declaration No. 239-0007-17956.

Transfer Certificate of Title No. T-240999-Banamban (With Improvement)

A parcel of land situated in the Bn. of Salinas, Mun. of Dumaguete, Prov. of Cavite, containing an area of THREE HUNDRED SIXTY (360) SQUARE METERS, more or less.

Commercial Apartment with floor area of 18.025-68 and covered by Tax Declaration No. 1778028864923.

Transfer Certificate of Title No. T-217713-Banamban (With Improvement)

A parcel of land situated in the Barrio of Salinas, Mun. of Dumaguete, Prov. of Cavite, containing an area of FIVE THOUSAND FIVE HUNDRED NINETY ONE (5,591) SQUARE METERS, more or less.

A residential house with floor area of 279 sq. meters, covered by Tax Declaration No. 19-238-0007-09140.

Transfer Certificate of Title No. T-448018-Banamban (With Improvement)

A parcel of land situated in the Bn. of Anaba, Mun. of Iloilo, Prov. of Cavite, containing an area of ONE HUNDRED FIFTY (150) SQUARE METERS, more or less.

A residential house with floor area of 70 sq. meters, covered by Tax Declaration No. 89-0007-07718.

Transfer Certificate of Title No. T-022258-Banamban (Land Only)

A parcel of land situated in the Bn. of Malinao, Mun. of Bataan, Prov. of Cavite, containing an area of THREE HUNDRED THIRTY THREE (333) SQUARE METERS, more or less.

has been adjudicated and equitably settled by and among his heirs in equal shares, pro indiviso, with ANTONINA M. ORCULLO waiving, renouncing and donating all her rights, interests and participation over the estate in favor of her CHILDREN namely: ROSEMARIE G. RENCIBEL, ANTHONY M. ORCULLO, RUFRENSE M. ORCULLO AND NEXEL M. ORCULLO on March 8, 2021 at Makati City before Notary Public Atty. Anthony M. Dizon and entered in the National Register on Dec. No. 525, Page No. 106, Book No. 2, Series of 2021.

(Sgd.) Bernadine Espinoza and Bernadine Children

Publication: DIYARYO KABITENYO Date: August 23, 30 and September 6, 2021

New study reveals that children of mothers with diabetes during pregnancy have an increased risk of eye problems

A new study published in *Diabetologia* (the journal of the European Association for the Study of Diabetes [EASD]) finds that mothers who have diabetes before or during their pregnancy are more likely to have children who go on to develop eye problems. The research is by Dr Jiangbo Du, State Key Laboratory of Reproductive Medicine, Nanjing University, Aarhus, Medical University, Denmark, and colleagues.

ERRATUM

As per Notice of Sheriff's Sale in Extra Judicial Foreclosure of Real Estate Mortgage filed by HOME DEVELOPMENT MUTUAL FUND (Otherwise known as Pag-IBIG Fund) against CRISPIN V. ARGONZA in File No. FC-DC-01043-16 published in the three (3) consecutive issues of DIYARVO KABITENYO dated July 12-18, 2021; July 19-25, 2021 and July 26-August 1, 2021, the technical description of the mortgaged real property together with all the buildings and other improvements existing thereon should have read:

Transfer Certificate of Title No. T-579294

IT IS HEREBY CERTIFIED that certain land situated in the Mun. of Damarillas, Prov. of Cavite, bounded and described as follows:

A parcel of land (Lot 19, Blk. 15 of the subd. plan, Pal-04-053125, being a portion of Lot 8843), situated in the Bo. of Langkaan, Mun. of Damarillas, Prov. of Cavite, bounded on the NE, along line 1-2 by Lot 7-B, Pal-04-039898, on the S, along line 2-3 by Lot 18, Blk. 15, on the NW, along line 3-4 by Road Lot 11, on the NE, along line 4-1 by Lot 20, Blk. 15, all of the subd. plan. Beginning at a pt. marked "1" on plan, being N: 54 deg. 55' W., 1026.69 m. from Mon 145, Irons Estate, thence S: 71 deg. 31' W., 3.50 m. to pt. 2, thence N: 18 deg. 29' W., 10.00 m. to pt. 3, thence 71 deg. 31' E., 3.50 m. to pt. 4, thence S: 18 deg. 29' E., 10.00 m. to pt. of beginning, containing an area of THIRTY FIVE (35) SQ. METERS. All points referred to are indicated on the plan and are marked on the ground by PS cyl. const. meas. 15x60 cm., bearings true; date of orig. survey, July 27, 1905-June 11, 1908 & that of the subd. survey, Oct. 17, 1992 & was approved on Feb. 11, 1992. — The Editor

ERRATUM

As per Notice of Sheriff's Sale in Extra Judicial Foreclosure of Real Estate Mortgage filed by HOME DEVELOPMENT MUTUAL FUND (Otherwise known as Pag-IBIG Fund) in File No. FC-DC-0028-15 published in the three (3) consecutive issues of DIYARVO KABITENYO dated July 12-18, 2021; July 19-25, 2021 and July 26-August 1, 2021, the name of the Respondent/Mortgagor should have read: LUNEFE R. QUILING. — The Editor

ERRATUM

As per Notice of Extra-Judicial Foreclosure of Real Estate Mortgage filed by HOME DEVELOPMENT MUTUAL FUND in FORECLOSURE CASE NO. F-415-16 published in the three (3) consecutive issues of DIYARVO KABITENYO dated August 2-8, 2021; August 9-15, 2021 and August 16-22, 2021, the name of the Mortgagor should have consistently read: RUBEN A. PARADEZA married to VICTORIA NENITA B. PARADEZA. — The Editor

ERRATUM

As per Notice of Sheriff's Sale in Extra Judicial Foreclosure of Real Estate Mortgage filed by HOME DEVELOPMENT MUTUAL FUND (Otherwise known as Pag-IBIG Fund) against CORNELIO S. VICENTE married to AURELIA P. VICENTE published in the three (3) consecutive issues of DIYARVO KABITENYO dated July 12-18, 2021; July 19-25, 2021 and July 26-August 1, 2021, the File No. should have read: FC-DC-604-15. — The Editor

ERRATUM

As per Notice of Sheriff's Sale in Extra Judicial Foreclosure of Real Estate Mortgage filed by HOME DEVELOPMENT MUTUAL FUND (Otherwise known as Pag-IBIG Fund) against RENATO FORTALEZA married to MARIBEL FORTALEZA, respondents/mortgagors, in File No. FC-DC-1396-17 published in the three (3) consecutive issues of DIYARVO KABITENYO dated July 12-18, 2021, July 19-25, 2021, and July 26-August 1, 2021, the date of the mortgaged debt should have read: as of Feb. 27, 2017 and the technical description of the mortgaged real property together with all the buildings and other improvements existing thereon should have read:

REGISTRY OF DEEDS FOR THE PROVINCE OF CAVITE
Transfer Certificate of Title No. T-558181

IT IS HEREBY CERTIFIED that certain land situated in the Mun. of Damarillas, Prov. of Cavite, bounded and described as follows:

A parcel of land (Lot 26, Blk. 14 of the cons. subd. plan, Pcs-042186-008537, being a portion of the cons. of Lots 5716, Irons Estate, Blk. 3, Pal-04-047683 & Blk. 25, Pcs-042185-006181 LRC-Res. No. 1, situated in the Bo. of Salawag, Mun. of Damarillas, Prov. of Cavite, Is. of Luzon, bounded on the SE, along line 1-2 by Rd. Lot 8, on the SW, along line 2-3 by Lot 21, Blk. 14, both of the cons. subd. plan, on the NW, along line 3-4 by Lot 26, and along line 4-5 by Lot 25, both of Blk. 1, Pal-042186-008183 and on the NE, along line 5-1 by Lot 25, Blk. 14, of the cons. subd. plan. Beginning at the pt. marked "1" on plan being N: 69 deg. 03' W., 375.38 m. from Mon. No. 364, Irons Estate, thence S: 59 deg. 45' W., 5.00 m. to pt. 2, thence N: 30 deg. 15' W., 15.00 m. to pt. 3, thence N: 59 deg. 45' E., 2.00 m. to pt. 4, thence N: 89 deg. 45' E., 3.00 m. to pt. 5, thence S: 30 deg. 15' E., 15.00 m. to the pt. of beginning containing an area of SEVENTY FIVE (75) SQ. METERS. All points referred to are indicated on the plan and are marked on the ground by PS cyl. const. meas. 15x60 cm., bearings true; date of orig. survey, July 27, 1905-June 11, 1908 & that of the cons. subd. survey, April 4-16, 1994 which was approved on June 9, 1994. — The Editor

Engineers grow 3D bioprinted blood vessel

A team in the Department of Biomedical Engineering, co-led by associate professor Dr. Akhilesh Gaharwar and assistant professor Dr. Abhishek Jain, has designed a 3D-bioprinted model of a blood vessel that mimics its state of

health and disease, thus paving the way for possible cardiovascular drug advancements with better precision.

Vascular diseases such as aneurysms, peripheral artery disease and clots inside blood vessels account for 31%

of global deaths. Despite this clinical burden, cardiovascular drug advancements have slowed over the past 20 years. The decrease in cardiovascular therapeutic development is attributed to the lack of efficiency in converting possible treatments into approved methods, specifically due to the discrepancy between studies that take place outside the body compared to inside.

The team's research at Texas A&M University aims to remodel current methodologies to minimize this gap and improve the translatability of these techniques by directing 3D bioprinting toward vascular medicine. Gaharwar is a biomaterials expert and has developed novel bioprints that offer unprecedented biocompatibility and control of mechanical properties needed to print blood vessels, whereas Jain's expertise lies in creating biomimetic in vitro models of vascular and hematological diseases. This interdisciplinary and collaborative project was recently published in the journal

Advanced Healthcare Materials.

Bioprinting in 3D is an advanced manufacturing technique capable of producing unique, tissue-shaped constructs in a layer-by-layer fashion with embedded cells, making the arrangement more likely to mirror the native, multicellular makeup of vascular structures. A range of hydrogel bioprints was introduced to design these structures; however, there is a limitation in available bioprints that can mimic the vascular composition of native tissues. Current bioprints lack high printability and are unable to deposit a high density of living cells into complex 3D architectures, making them less effective.

To overcome these shortcomings, Gaharwar and Jain developed a new nanoengineered bioprint to print 3D, anatomically accurate, multicellular blood vessels. Their approach offers improved real-time resolution for both macro-structure and tissue-level micro-structure, something that currently is not possible with available bioprints.

Histamine could be a key player in depression, according to study in mice

The findings, from researchers at Imperial College London and University of South Carolina, add to mounting evidence that inflammation, and the accompanying release of the molecule histamine, affects a key molecule responsible for mood in the brain – serotonin.

If replicated in humans, the findings – which identify histamine as a ‘new molecule of interest’ in depression – could open new avenues for treating depression, which is the most common mental health problem worldwide.

Inflammation – a blanket term describing an immune response – triggers the release of histamine in the body. This increases blood flow to affected areas to flood them with im-

mune cells. While these effects help the body fight infections, both long-term and acute inflammation is increasingly linked to depression. Inflammation accompanies infections but can also be caused by stress, allergic responses and a host of chronic diseases such as diabetes, obesity, cancer and neurodegenerative diseases.

Lead author Dr Parastoo Hashemi, from Imperial’s Department of Bioengineering, said: “Inflammation could play a huge role in depression, and there is already strong evidence that patients with both depression and severe inflammation are the ones most likely not to respond to antidepressants.

“Our work shines a spotlight on histamine

as a potential key player in depression. This, and its interactions with the ‘feel-good molecule’ serotonin, may thus be a crucial new avenue in improving serotonin-based treatments for depression.”

Serotonin, often referred to as the ‘feel-good molecule’, is a key target for depression-tackling drugs. Commonly prescribed selective serotonin reuptake inhibitors (SSRIs) inhibit the re-absorption of serotonin in the brain, allowing it to circulate for longer and improve mood.

However, although SSRIs bring relief to many who take them, a growing number of individuals are resistant to their effects. Researchers think one reason for this could lie in the specific interactions

between chemical messengers, or neurotransmitters, including serotonin and histamine.

With this in mind, researchers set out to investigate the relationship between histamine, serotonin, and SSRIs.

They created serotonin-measuring microelectrodes and put them into the hippocampus of the brains of live mice, an area known to regulate mood. The technique, known as fast scan cyclic voltammetry (FSCV), allowed them to measure brain serotonin levels in real time without harming the brain, as they are biocompatible and only five micrometers wide.

After placing the microelectrodes, they injected half the mice with lipopolysaccharide (LPS), an inflammation-causing toxin

found in some bacteria, and half the mice with a saline solution as a control.

Brain serotonin levels dropped within minutes of LPS injection, whereas they remained the same in control mice, demonstrating how quickly inflammatory responses in the body translate to the brain and affect serotonin. LPS is unable to cross the protective blood-brain barrier and could therefore not have caused this drop directly.

On further examination they found that the histamine in the brain was triggered by the inflammatory response and directly inhibited the release of serotonin, by attaching to inhibitory receptors on the serotonin neurons. These inhibitory recep-

tors are also present on human serotonin neurons, so this effect might translate to people.

To counter this, the researchers administered SSRIs to the mice, but they were much less able to boost serotonin levels than in control mice. They posited that this is because the SSRIs directly increased the amount of histamine in the brain, cancelling out its serotonin boosting action.

The researchers then administered histamine reducing drugs alongside the SSRIs to counter histamine’s inhibitory effects, and saw serotonin levels rise back to control levels. This appears to confirm the theory that histamine directly dampens serotonin release in the mouse brain.

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Genome-editing strategy developed for potential Alzheimer's disease therapy

An international research team led by scientists from the Hong Kong University of Science and Technology (HKUST) has developed a novel strategy using brain-wide genome-editing technology that can reduce Alzheimer's disease (AD) pathologies in genetically modified AD mouse models. This advanced technology offers immense potential to be translated as a novel long-acting therapeutic treatment for AD patients.

In China alone, over 500,000 patients are estimated to be living with a hereditary form of AD -- familial Alzheimer's disease (FAD), which is a congenital form of AD highly associated with family history. Although FAD has a clear genetic cause and can be diagnosed before cognitive problems occur, no effective treatment currently exists.

There is enormous

potential in the use of genome-editing technology* as therapeutic strategies for diseases caused by inherited mutations, such as FAD. It is especially useful for correcting disease-causing genetic mutations before symptoms appear, for which it is considered a "once-and-for-all" treatment as its effects can last a lifetime. However, several hurdles have prevented its clinical development and application -- most notably the lack of an effective, efficient, and non-invasive means to deliver genome-editing agents into the brain. Furthermore, existing genome-editing technologies are unable to generate beneficial outcomes throughout the whole brain.

Recently, a team led by Prof. Nancy Ip, Vice-President for Research and Development at HKUST, developed a new genome-editing system that not only crosses

the blood-brain barrier, but also delivers an optimized genome-editing tool to the entire brain. Using a newly engineered delivery vehicle for genome-editing, this strategy achieves efficient brain-wide genome editing through a single non-invasive intravenous administration. This effectively disrupts FAD-inflicted mutations in AD mouse models and ameliorates AD pathologies throughout the entire brain, paving the way to novel therapeutic development for the disease.

Meanwhile, the research team also found in the mouse models that the level of amyloid, a protein thought to drive neurodegeneration in AD, remained low for 6 months post-treatment (about 1/3 of their normal lifespan), demonstrating that this single-shot genome-editing strategy has lasting effects. More importantly, no side effects were detected so far in the mice.