

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

Proverbs 18:10

# DIYARYO KABITENYO

Nagmamalasakit sa lalawigan

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

1 Corinthians 16:13

## PLDT, Cavite partner for 'Smart City'

PLDT, Inc. said last July 22 that it partnered with the Cavite local government through its business arm PLDT Enterprise and wireless unit Smart Communications, Inc. for the rollout of a fiber network for the province's digital roadmap towards becoming a "Smart City."

"The PLDT Group is extending its support in laying the groundwork for Cavite's vision of becoming a Smart City. We are delighted to commence this advancement which is a massive move for the development of Cavite," PLDT Chairman Manuel V.

Pangilinan said in a statement.

The provincial government of Cavite and the PLDT group will activate the Cavite Managed Broadband Network Service, an end-to-end solution that will enable internet to the province's 23 cities and municipalities, PLDT said.

"The project will connect over 2,504 locations and 4,894 installed access points, through the PLDT's fiber network supported by ePLDT's VITRO Data Center which are strategically provisioned all over Cavite using the Smart WiFi platform," it added.

Gov. Joaquin Remulla said he is confident that through the PLDT group, the province

using the Smart WiFi platform," it added.

Gov. Joaquin Remulla said he is confident that through the PLDT group, the province

using the Smart WiFi platform," it added.

Turn to page 2

## Naic mayor inspects renovation of convent

In support of the local government of Naic, Cavite to the town's cultural sites, Mayor Jun Dualan inspected the renovation of the convent in San Isidro Labrador Parish.

"Mga mabai kong Naicqueño, patuloy tayo sa paghibigay ng supports sa ating mga cultural sites. Kahapon ay binisita natin ang isinasagawang renovation ng



kumbento sa Parokya ng San Isidro Labrador sa Barangay San Roque,"

the mayor said in a Facebook post last July 21. "Patuloy tayo sa pa-

kikipag-ugnayan sa ating mga simbahan lalo na ngayong hindi

tan ang maramihang pagtitipon dahil sa COVID-19," he added.

## DIYARYO KABITENYO

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ARNULFO BARCO

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GENER BARCO

Operations Manager

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### Papi

Publishers Association of the Philippines, Inc.

## New method predicts COVID-19 severity, could help with hospital triage

During the height of the pandemic, some hospitals were overwhelmed with patients seeking treatment for COVID-19. This situation could happen again during future outbreaks, especially with SARS-CoV-2 variants of concern on the rise. Now, researchers reporting in ACS' Analytical Chemistry have developed a blood test to predict which people infected with COVID-19 are most likely to experience serious symptoms, which could help health care workers prioritize patients for hospitalization and intensive care.

Although many

people who contract COVID-19 have either no symptoms or mild ones, some require intensive care for pneumonia with acute respiratory distress syndrome. Risk factors for severe disease include older age, heart disease, cancer and diabetes, but these characteristics alone are not sufficient to predict which patients will become the sickest. Measuring levels of certain proteins or metabolites in the blood could help, but these tests are often slow, complicated or expensive. For more effective triage of COVID-19 patients at hospitals, Michelle

Hill, Sanjeeva Srivastava and colleagues aimed to develop an easy-to-use method that could quickly and cost-effectively predict COVID-19 severity. To measure changes in blood biochemistry that occur with severe COVID-19, the researchers chose a technique called attenuated total reflectance Fourier transform infrared spectroscopy (ATR-FTIR), which has been tested previously as a COVID-19 diagnostic tool. Two regions of FTIR spectra from 128 patient plasma samples showed small but observable differences between those

with severe and non-severe COVID-19. Using these data together with clinical information about patients, the researchers developed a statistical model to predict COVID-19 severity. They found that the best predictor was whether the patient had diabetes, followed by the two regions in the FTIR spectra. Adding the FTIR data to the model improved the sensitivity for detecting severe disease in a different set of 30 patients from 41.2% to 94.1%, but reduced the specificity from 84.6% to 69.2%, compared with the clinical factors alone.

## Novel method predicts if COVID-19 clinical trials will fail or succeed

In order to win the battle against COVID-19, studies to develop vaccines, drugs, devices and re-purposed drugs are urgently needed. Randomized clinical trials are used to provide evidence of safety and efficacy as well as to better understand this novel and evolving virus. As of July 15, more than 6,180 COVID-19 clinical trials have been registered through ClinicalTrials.gov, the national registry and database for privately and publicly

funded clinical studies conducted around the world. Knowing which ones are likely to succeed is imperative. Researchers from Florida Atlantic University's College of Engineering and Computer Science are the first to model COVID-19 completion versus cessation in clinical trials using machine learning algorithms and ensemble learning. The study, published in PLOS ONE, provides

the most extensive set of features for clinical trial reports, including features to model trial administration, study information and design, eligibility, keywords, drugs and other features.

This research shows that computational methods can deliver effective models to understand the difference between completed vs. ceased COVID-19 trials.

(PLDT... from page 1)

will be able to achieve its goal of becoming a Smart City.

The project includes the provision of a fully underground fiber optic cable backbone. It will provide free internet access to more than 23 cities and municipalities, 129 public elementary and secondary schools, and 42 public places.



REPUBLIC OF THE PHILIPPINES  
FOURTH JUDICIAL REGION  
REGIONAL TRIAL COURT  
DASMARINAS CITY, PROVINCE OF CAVITE  
HOME DEVELOPMENT MUTUAL FUND  
(Otherwise known as PAG-IBIG Fund).

Petitioner/Mortgagee,  
File No. FC-DC-0828-15  
EXTRA JUDICIAL FORECLOSURE  
OF REAL ESTATE MORTGAGE  
UNDER ACT 3135 AS AMENDED  
BY ACT 4118

- versus -  
LUNEFE R. QUILING,

Respondent/Mortgagee.

**NOTICE OF SHERIFF'S SALE**

Upon extra-judicial petition for sale under Act 3135, as amended by Act 4118 filed by petitioner/mortgagee, HOME DEVELOPMENT MUTUAL FUND (Otherwise known as PAG-IBIG Fund), a government financial institution duly organized and existing under and by virtue of Republic Act No. 9679, with postal address at 12<sup>th</sup> Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City against respondent/mortgagee, LUNEFE R. QUILING, with postal addresses at Block 8 Lot 11 Windsor Homes Subdivision, Bankal (now Brgy. Bural), Dasmariñas City, Province of Cavite and/or Block 1 Loc 44 Peninsula Street, Pleasant Village, Muntinlupa City and for the satisfaction of the mortgaged debt which as of September 28, 2015 amounts to ONE MILLION ONE HUNDRED EIGHTY EIGHT THOUSAND SEVEN HUNDRED FORTY SIX PESOS & 49/100 (Php 1,188,746.49), inclusive of interest and penalty charges, exclusive of all legal fees and expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **August 26, 2021** at 10:00 o'clock in the morning or soon thereafter in the Court Room of Branch 90, Regional Trial Court located at the Ground Floor, Dasmariñas Community Affairs (DASCA) Building, Congressional Road, Bural I, Dasmariñas City, Province of Cavite to the highest bidder and for CASH or CERTIFIED CHECK, in Philippine Currency, the following described real property together with all the buildings and other improvements existing thereon, to wit:

Transfer Certificate of Title No. T-760914

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

A parcel of land (Lot 11, Blk. 8, of the subd. plan, Psd-04-092612, being a portion of Lot 1, Psd-042106-006438, LRC Reg. No. 3, situated in the Bl. of Bankal (Now) Bural, Mun. of Dasmariñas, Prov. of Cavite, is of Luzon. Bounded on the SW, along line 1-2 by Lot 9, of Blk. 8, of the subd. plan, on the NW, along line 2-3 by Rd. Lot 8, (4.00 m. wide), of the subd. plan, on the NE, along line 3-4 by Lot 13, and on the SE, along line 4-1 by Lot 12, both of Blk. 8 of the subd. plan. Beginning at the pt. marked "1" on plan being N. 76 deg. 27'E., 332.34 m. from Mon. 147, Iron stake, N. 37 deg. 27'W., 10.00 m. to pt. 2; thence N. 52 deg. 38'E., 4.30 m. to pt. 3; thence S. 37 deg. 22'E., 10.00 m. to pt. 4; thence S. 32 deg. 38'W., 4.50 m. to the pt. of beginning. Containing an area of FORTY FIVE (45) SQ. M. All points referred to are indicated on the plan and are marked on the ground by PS zyl. conc. mono. 15x60 cm; bearings true datum of orig. survey; July 27, 1905-June 11, 1908 & that of the subd. survey; Dec. 2, 1995 Dec. 20, 1995 & was approved on Sept. 20 1996.

It registered in accordance with the provisions of the Property Registration Decree in the name of

LUNEFE R. QUILING of legal age, Filipino, Single

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

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 **September 02, 2021**, at the same time and place without further notice.

27 September 2019\*, Dasmariñas City, Province of Cavite.

(Sgd.) ALVARO D. MIJARES  
Sheriff

(Sgd.) ATTY. MARCELA L. BAYBAY  
Clerk of Court

Copy Furnished:

HOME DEVELOPMENT MUTUAL FUND  
(Otherwise known as PAG-IBIG Fund)  
12<sup>th</sup> Floor JELP Business Solution Center,  
No. 409 Shaw Boulevard, Mandaluyong City

LUNEFE R. QUILING

Block 8 Lot 11 Windsor Homes Subdivision  
Bankal (now Brgy. Bural), Dasmariñas City, Province of Cavite  
and/or

Block 1 Lot 44 Peninsula Street, Pleasant Village  
Muntinlupa City

Notice posted at:

1. The Bulletin Board of Regional Trial Court, Dasmariñas City, Cavite
2. The Bulletin Board of Dasmariñas City Hall
3. The Bulletin Board of Dasmariñas City Post Office
4. The Bulletin Board of Dasmariñas City Public Market

Publication : DIYARYO KABITENYO

Dates : July 12, 19 & 26, 2021

\*Date of Judicial Raffle September 27, 2019

REPUBLIC OF THE PHILIPPINES  
FOURTH JUDICIAL REGION  
REGIONAL TRIAL COURT  
DASMARINAS CITY, PROVINCE OF CAVITE

HOME DEVELOPMENT MUTUAL FUND  
(Otherwise known as PAG-IBIG Fund),

Petitioner/Mortgagee,

File No. FC-DC-01043-16  
EXTRA JUDICIAL FORECLOSURE  
OF REAL ESTATE MORTGAGE  
UNDER ACT 3135 AS AMENDED  
BY ACT 4118

- versus -  
CRISPIN V. ARGONZA,

Respondent/Mortgagee.

**NOTICE OF SHERIFF'S SALE**

Upon extra-judicial petition for sale under Act 3135, as amended by Act 4118 filed by petitioner/mortgagee, HOME DEVELOPMENT MUTUAL FUND (Otherwise known as PAG-IBIG Fund), a government financial institution duly organized and existing under and by virtue of Republic Act No. 9679, with postal address at 12<sup>th</sup> Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City against respondent/mortgagee, CRISPIN V. ARGONZA, with postal addresses at Block 15 Lot 18 Villa Luisa Homes II, Brgy. Langkaan, Dasmariñas City, Province of Cavite and/or Psc. 6805 Santitas Street, Makati City and for the satisfaction of the mortgaged debt which as of April 21, 2018 amounts to TWO HUNDRED FIVE THOUSAND SIX HUNDRED FIFTY SIX PESOS & 25/100 (Php 205,556.25), inclusive of interest and penalty charges, exclusive of all legal fees and expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **August 26, 2021** at 10:00 o'clock in the morning or soon thereafter in the Court Room of Branch 90, Regional Trial Court located at the Ground Floor, Dasmariñas Community Affairs (DASCA) Building, Congressional Road, Bural I, Dasmariñas City, Province of Cavite to the highest bidder and for

CASH or CERTIFIED CHECK, in Philippine Currency, the following described real property together with all the buildings and other improvements existing thereon, to wit:

Transfer Certificate of Title No. T-579284

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

A parcel of land (Lot 10, Blk. 15 of the cons. subd. plan, Psd-04-053122, being a portion of Lot 8865), situated in the Bl. of Langkaan, Mun. of Dasmariñas, Prov. of Cavite, bounded on the SE, along line 1-2 by Lot 7-B, Psd-04-053122, on the S, along line 2-3 by Lot 18, Blk. 15, on the NW, along line 3-4 by Road Lot 13, on the NE, along line 4-1 by Lot 20, Blk. 13, 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, Iron Stake, 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. conc. mono. 15x60 cm; bearings true; date of orig. survey; July 27, 1905-June 11, 1908 & that of the subd. survey; Oct. 17, 1992 and Jan. 15-21, 1992 and was approved on Feb. 11, 1992.

It registered in accordance with the provisions of the Property Registration Decree in the name of CRISPIN V. ARGONZA, single, of legal age, Filipino.

NOTE: This certificate of title is subject to Restriction stipulated in the Deed of Sale, copy is on file in this registry.

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

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 **September 02, 2021**, at the same time and place without further notice.

27 September 2019\*, Dasmariñas City, Province of Cavite.

(Sgd.) ALVARO D. MIJARES  
Sheriff

(Sgd.) ATTY. MARCELA L. BAYBAY  
Clerk of Court

Copy Furnished:

HOME DEVELOPMENT MUTUAL FUND  
(Otherwise known as PAG-IBIG Fund)  
12<sup>th</sup> Floor JELP Business Solution Center  
No. 409 Shaw Boulevard, Mandaluyong City

CRISPIN V. ARGONZA

Block 15 Lot 18 Villa Luisa Homes II  
Brgy. Langkaan, Dasmariñas City, Province of Cavite  
and/or

No. 6805 Santitas Street, Makati City

Notice posted at:

1. The Bulletin Board of Regional Trial Court, Dasmariñas City, Cavite
2. The Bulletin Board of Dasmariñas City Hall
3. The Bulletin Board of Dasmariñas City Post Office
4. The Bulletin Board of Dasmariñas City Public Market

Publication : DIYARYO KABITENYO

Dates : July 12, 19 & 26, 2021

\*Date of Judicial Raffle September 27, 2019



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

BDO UNIBANK, INC.,  
Mortgagee

Forshears Case No. F-044-28

JUNREY REVILLA DASIG, AS REPRESENTED  
BY HIS ATTORNEY-IN-FACT, ELIZABETH  
REVILLA DASIG,

Mortgagee

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon Extra-Judicial Partition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, BDO UNIBANK, INC., with business address at BDO Corporate Center, 7899 Makati Avenue, Makati City against the Mortgagee, JUNREY REVILLA DASIG, AS REPRESENTED BY HIS ATTORNEY-IN-FACT, ELIZABETH REVILLA DASIG, with residence and postal addresses at (1) Lot 38 Bk. 1, Kensington 7, Lantanae New City, Brgy. Navarro, Gen. Trias, Cavite; (2) Lot 37, Bk. 1, Kensington 7, Brgy. Navarro, Gen. Trias, Cavite; and (3) No. 338-B, Jilidat Homes 1, Subd. Med. Insa, 4103 Cavite, to satisfy the mortgage indebtedness as of 31 January 2020, amount to ONE MILLION EIGHT HUNDRED SEVENTY NINE THOUSAND FOUR HUNDRED SEVENTY TWO PESOS & 27/100 (P9p1,879,472.37), Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all the other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **September 16, 2021** at 10:00 o'clock in the morning at the main entrance of the Government Center Bldg. located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder of CASH and in Philippine Currency, the following described property with all the improvements thereon, to-wit:

**TRANSFER CERTIFICATE OF TITLE**  
NO. 957-2018016828

LOT NO. 38 BLOCK 1 PLAN NO. PCS-04-028223  
PORTION OF: Bk. 14, PSD-04-223691 AND LOT 1686,  
SPDME (FRS-04-003311)  
LOCATION: BARANGAY OF NAVARRO, MUNICIPALITY  
OF GENERAL TRIAS, PROVINCE OF CAVITE, ISLAND OF  
LUZON

**BOUNDARIES:**  
LINE DIRECTION ADJOINING LOT(S)  
1-2 NW ROAD LOT 8, PCS-04-028223  
2-3 NE LOT 17, BLOCK 1, PCS-04-028223  
3-4 SE LOT 56, BLOCK 1, PCS-04-028223  
4-1 SW LOT 79, BLOCK 1, PCS-04-028223  
**AREA: FORTY ONE SQUARE METERS (41), MORE  
OR LESS**

**TRANSFER CERTIFICATE OF TITLE No. 957-2018064284**

LOT NO. 37 BLOCK 1 PLAN NO. PCS-04-028223  
PORTION OF: Bk. 14, PSD-04-223691 AND LOT 1686,  
SPDME (FRS-04-003311)  
LOCATION: BARANGAY OF NAVARRO, MUNICIPALITY  
OF GENERAL TRIAS, PROVINCE OF CAVITE, ISLAND OF  
LUZON

**BOUNDARIES:**  
LINE DIRECTION ADJOINING LOT(S)

1-2 NW LOT 36, BLOCK 1, PCS-04-028223  
2-3 SE LOT 18, BLOCK 1, PCS-04-028223  
3-4 SW LOT 38, BLOCK 1, PCS-04-028223  
4-1 NW ROAD LOT 8, PCS-04-028223

**AREA: FORTY ONE SQUARE METERS (41), 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 **September 23, 2021** 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 26, 2021.**

(Sgd.) REYNALDO L. SALOMA  
Sheriff IV

Copy Furnished:

BDO UNIBANK, INC.,  
RISK MANAGEMENT GROUP-REMEDIAL  
MANAGEMENT UNIT  
11<sup>th</sup> Floor, BDO South Tower, BDO Corporate Tower  
7899 Makati Avenue, Makati City 0726

JUNREY REVILLA DASIG and  
ELIZABETH REVILLA DASIG

(1) Lot 38 Bk. 1, Kensington 7, Lantanae New City, Brgy. Navarro,  
Gen. Trias, Cavite  
(2) Lot 37, Bk. 1, Kensington 7, Brgy. Navarro, Gen. Trias, Cavite  
(3) No. 338-B, Jilidat Homes 1, Subd. Med. Insa, 4103 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: July 12, 19 & 26, 2021

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

BDO UNIBANK, INC.,  
Mortgagee

Forshears Case No. F-132-20

SHEILA ELIGOVO TEJERESAS,  
Mortgagee

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon Extra-Judicial Partition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, BDO UNIBANK, INC., with business address at BDO Corporate Center, 7899 Makati Avenue, Makati City against the Mortgagee, SHEILA ELIGOVO TEJERESAS, with residence and postal address at: (1) No. 521-Jst. 2 Base Semiao Ave., San Roque, Quatro City, and (2) Bk. 1 Lot 59, Kensington 17, Navarre, Gen. Trias, Cavite to

satisfy the mortgage indebtedness as of 31 December 2020 amount to ONE MILLION NINE HUNDRED EIGHTY SIX THOUSAND NINE HUNDRED THIRTY FOUR PESOS and 46/100 (P1,986,934.46) Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all the other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **September 16, 2021** at 10:00 o'clock in the morning at the main entrance of the Government Center Bldg. located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder of CASH and in Philippine Currency, the following described property with all the improvements thereon, to-wit:

**TRANSFER CERTIFICATE OF TITLE**  
NO. 957-2019089576

Lot No. 22 Block 1 Plan No. PCS-04-028598

PORTION OF: THE CONS. SUBD OF LOTS 1698, (RS-04-001799) LOT 1699, (RS-04-003884) LOT 1701 (FRS-04-003311) ALL OF SAN FRANCISCO DE MALABON ESTATE & LOT 1726-A, LOT 1726-B, LOT 1726-C PSD-04-098877, DECREE NO. 4276, 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 SW LOT 62, BLOCK 1, PCS-04-028598  
2-3 NW LOT 60, BLOCK 1, PCS-04-028598  
3-4 NE ROAD LOT 7, PCS-04-028598  
4-1 SE LOT 58, BLOCK 1, PCS-04-028598  
**AREA: SIXTY FIVE SQUARE METERS (65), 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 **September 23, 2021** 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 26, 2021.**

(Sgd.) RICARDO A. TOLEDO  
Sheriff IV

Copy Furnished:

BDO UNIBANK, INC.,  
RISK MANAGEMENT GROUP-REMEDIAL  
MANAGEMENT UNIT  
11<sup>th</sup> Floor, BDO South Tower, BDO Corporate Tower  
7899 Makati Avenue, Makati City 0726

SHEILA A. ELIGOVO TEJERESAS

1) No. 521-Jst. 2 Base Semiao Ave., San Roque, Quatro City  
2) Bk. 1 Lot 59, Kensington 17, Navarre, Gen. 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: July 12, 19 & 26, 2021

REPUBLIC OF THE PHILIPPINES  
FOURTH JUDICIAL REGION  
REGIONAL TRIAL COURT  
BRANCH 96  
CITY OF DASMARIÑAS, CAVITE

IN RE: PETITION FOR CANCELLATION OF  
THE ANNOTATION OF AFFIDAVIT OF  
LEGITIMATION AND CORRECTION OF  
THE ENTRIES IN THE CERTIFICATE OF  
LIVE BIRTH OF GAYELORD MENCHAVEZ  
UNDER REGISTRY NO. 98-6544.

SPEC. PRO. NO. 1260-19

GAYELORD MENCHAVEZ,  
Petitioner.

THE LOCAL CIVIL REGISTRAR OF THE  
CITY OF DASMARIÑAS, CAVITE,  
PHILIPPINE STATISTICS AUTHORITY  
(PSA) and/or all persons who may have  
claim or any interest which would be  
affected thereby.

Respondents.

**ORDER**

The instant amended petition was filed by petitioner GAYELORD MENCHAVEZ thru counsel proring that after due notice, publication and hearing, judgment be rendered granting the instant petition, thereby declaring the correction of Entry No. "1. NAME" from GAYELORD MENCHAVEZ to GAYELORD MENCHAVEZ PAREDES and cancellation of the affidavit of legitimation executed by HAZEL G. MENCHAVEZ and CELSO T. PAREDES, appearing on the Certificate of Live Birth of GAYELORD MENCHAVEZ.

Finding the instant petition to be sufficient in form and substance, this Court hereby sets the hearing thereof at the Regional Trial Court, Bc. 90, Dasmariñas Community Affairs (DASCA) Building, Congressional Road, Brgy. Barel 1, City of Dasmariñas, Cavite on August 5, 2021 at 2:00 o'clock in the afternoon whereby any interested person may appear and show cause, if any, why the petition should not be granted.

Let this Order be published, at the expense of the petitioner, in a newspaper of general circulation, which will be raffled by this Court among the duly accredited newspaper in the Province of Cavite at least once (1) a week for three (3) consecutive weeks before the schedule date of hearing.

Let the Office of the Solicitor General, the Local Civil Registrar of the City of Dasmariñas, Cavite, the Civil Registrar General and all parties concerned be furnished with copy of this Order.

SO ORDERED.  
City of Dasmariñas, Cavite, June 9, 2021.  
(Sgd.) JOSELYN D. LARA-DELUNA  
Assisting Judge

CC:  
OFFICE OF THE SOLICITOR GENERAL  
134 Amoroso St., Legaspi Village  
Makati City, 1229

CIVIL REGISTRAR OF THE CITY OF DASMARIÑAS  
General Plc. City Hall, City of Dasmariñas, Cavite

CIVIL REGISTRAR GENERAL  
Phil. Statistics Authority  
East Ave., Quezon City

GAYELORD MENCHAVEZ  
082 Brgy. Palparan II  
Dasmariñas City, Cavite

ATTY. NATHANIEL G. TORRES  
Public Attorney's Office  
Dasmariñas City, Cavite

HAZEL G. MENCHAVEZ  
CELSO T. PAREDES  
082 Brgy. Palparan II  
Dasmariñas City, Cavite

Publication: DIYARYO KABITENYO  
Date: July 12, 19 & 26, 2021

**AFFIDAVIT OF SELF-ADJUDICATION  
WITH ABSOLUTE SALE**

NOTICE is hereby given that the estate of the late BAYANI LEGASPI ILANO who died intestate on April 28, 2021 at Cavite City, Philippines, consisting of a Motor Vehicle, covered by Certificate of Registration No. 187205174 and more particularly described as follows:

MAKE/TYPE	HONDA WAGON
CHASSIS NO.	M01RE44099020252
MOTOR NO.	K34Z13402377
MV FILE NO.	1336-0000076550
PLATE NO.	NVQ827

has been self-adjudicated by his surviving spouse Angelita Mendoza Ilano; and for and in consideration of the sum of THREE HUNDRED FIFTY THOUSAND PESOS (Php 350,000.00), Philippine Currency, she does hereby SELL, TRANSFER, AND CONVEY unto MARCO PAUL P. ANDALLO, his bona and assigns the motor vehicle above described on July 6, 2021 in the City of Cavite, Philippines before Notary Public Atty. Antonia B. Cabran and entered in her Notarial Register as Doc. No. 295; Page No. 69; Book No. LXVII; Series of 2021.

(Sgd.) AMBROSIO  
Publication: DIYARYO KABITENYO  
Date: July 12, 19 & 26, 2021

REPUBLIC OF THE PHILIPPINES  
REGIONAL TRIAL COURT  
FOURTH JUDICIAL REGION  
BRANCH 4-PC  
CITY OF DMU, CAVITE

NATIONAL HOME MORTGAGE  
FINANCE CORPORATION,  
Mortgage Assignee.

EXTRA-JUDICIAL FORECLOSURE OF  
REAL ESTATE MORTGAGE UNDER  
ACT 3138 AS AMENDED BY ACT 818  
P.C. No. 17122-21

NILO A. JACUTINA married to HELEN S. JACUTINA,  
Mortgagor.

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon extra-judicial petition for sale under Act 3138 as amended by Act 818 filed by NATIONAL HOME MORTGAGE FINANCE CORPORATION (NHMFCL) mortgagee, with principal place of business at 104 Amoroso St., Legaspi Village, Makati City, against NILO A. JACUTINA married to HELEN S. JACUTINA, mortgagors, with residence and postal address at MBLA Imus Subd. Lot 24 Bldg. Azabul 2, Imus, Cavite and/or 20971 Kahilum II, Panlacan, Marikina to satisfy the mortgage indebtedness which as of December 31, 2020 amounts to ONE MILLION FOUR HUNDRED SEVENTY THREE THOUSAND SIX HUNDRED FORTY TWO PESOS AND 89/100 (Php1,473,642.69), Philippine Currency, including interest, penalties, attorney's fees, sheriff's fees and all other charges incidental to this foreclosure and sale, the undersigned will sell at public auction on August 31, 2021 at 10:00 in the morning or soon thereafter at the main entrance of the Office of the Clerk of Court, RTC-Imus Hall of Justice, Aguinaldo Highway, Imus City, Cavite to the highest bidder, for CASH and in Philippine Currency, the following property with all appurtenances therein, to-wit:

**TRANSFER CERTIFICATE OF TITLE No. T-3164772**

\*A parcel of land (Lot 24, Bldg. 1 of the cons. subd. plan Psp-04-005646, being a portion of the cons. of Lots 2518-C-1 & 2518-C-2, Ptd-04-024314 LRC, Bldg. No. 1, situated in the Bc. of Azabul 2, Mun. of Imus, Prov. of Cavite, Is. of Luzon, bounded on the SW, along line 1-2 by Lot 25, Bldg. 1, of the cons. subd. plan; on the NW, along line 2-3 by Lot 24(1); Imus Estate, on the E, along line 3-4 by Lot 25, Bldg. 1, on the S, along line 4-5 by Road Lot 2 (6.50 m. wide); on the SE, along lines 5-6-1 by Road Lot 3 (6.50 m. wide), all of the cons. subd. plan x x x containing an area of EIGHTY SIX (86) SQ. METERS. xxx\*

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

In the event the public auction should not take place on the said date, it shall be held on September 7, 2021 at 10:00 o'clock in the morning without further notice.

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

Imus, Cavite, Philippines, June 29, 2021

(Sgd.) EMMANUELLE B. FRANCISCO  
Sheriff IV

APPROVED  
(Sgd.) ARMIE A. FRANCISCO  
Clerk of Court V

COPY FURNISHED:  
NATIONAL HOME MORTGAGE FINANCE CORPORATION  
104 Amoroso St., Legaspi Village, Makati City

NILO A. JACUTINA married to HELEN S. JACUTINA  
MBLA Imus Subd. Lot 24 Bldg. 1 Brgy. Azabul 2, Imus, Cavite  
and 20971 Kahilum II, Panlacan, Marikina

Publication: DIYARYO KABITENYO  
Date: July 19, 26 and August 2, 2021

**PH CEOs brace  
for further revenue  
losses in 2021 due  
to COVID-19**

Most chief executive officers (CEOs) surveyed by PwC Philippines are pinning their hopes of a business recovery on the government's vaccination program, but 73 percent are already bracing for further revenue losses this year due to the COVID-19 pandemic.

PwC Philippines partnered with the Management Association of the Philippines (MAP) to conduct a survey on 131 CEOs, 62 percent of whom represent large companies belonging to the top 0.5 percent of registered businesses. The rest of the respondents are from micro, small, and medium-sized enterprises (MSMEs).

The results of the survey, which was conducted from April to May this year, show that 79 percent of CEOs consider an "effective and equitable vaccination program" as one of the most urgent measures the government should implement to help their respective industries recover from the impact of COVID-19.





REPUBLIC OF THE PHILIPPINES  
FOURTH JUDICIAL REGION  
REGIONAL TRIAL COURT  
OFFICE OF THE CLERK OF COURT  
TRECE MARTIRES CITY  
HOME DEVELOPMENT MUTUAL FUND  
Mortgagee

FORECLOSURE CASE NO. F-502-16

AVNEL V. ALEA

Mortgagee's

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, HOME DEVELOPMENT MUTUAL FUND, with business address at 12<sup>th</sup> Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City, against the Mortgagee's, AVNEL V. ALEA with residence and postal addresses A-100, J.P. RAMOS ST., TALIPAPA, NIVALECHES, QUEZON CITY, AND LOT 26, BLOCK 3, ARVEEMAR HOMES TANZA I, JULUGAN, TANZA, CAVITE to satisfy the mortgage indebtedness which as of 08 April 2016 amounts to FIVE HUNDRED SEVENTEEN THOUSAND SIX HUNDRED NINE PESOS 41/100 (P517,699.41), Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all the 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, 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. T-851992**

A parcel of land (lot 26 blk. 3 of the consubd. plan, Psd-04-01188, being a portion of the consub. of Lots 799-A and 799-B, Psd-04-086380, L.R.C. Rec. No. 1), situated in the Brgy. of Isaguin, Mun. of Tanza, Prov. of Cavite, bounded on the NE, along line 1-2 by Lot 25; on the SE, along line 2-3 by Lot 8, along line 3-4 by Lot 7; on the SW, along line 4-5 by Lot 27; all of Blk. 3, on the NW, along line 5-1 by Road Lot 2; all of the consubd. plan, beginning at a point marked "1" on plan xxx containing an area of FIFTY (50) SQ. ARE 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 **September 28, 2021** 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 15, 2021.**

(Sgd.) **LEO C. ALEJO III**  
Sheriff/TJ

Copy Furnished:

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

AVNEL V. ALEA  
A-100, J.P. RAMOS ST., TALIPAPA, NIVALECHES,  
QUEZON CITY,  
AND LOT 26, BLOCK 3, ARVEEMAR HOMES TANZA I,  
JULUGAN, TANZA, CAVITE

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

Publisher: **DIYARYO KABITENYO**  
Dates: July 19, 26 and August 2, 2021

REPUBLIC OF THE PHILIPPINES  
FOURTH JUDICIAL REGION  
REGIONAL TRIAL COURT  
OFFICE OF THE CLERK OF COURT  
TRECE MARTIRES CITY  
HOME DEVELOPMENT MUTUAL FUND  
Mortgagee

FORECLOSURE CASE NO. F-695-16

ARIELE TAGUNA

married to RAQUEL S. TAGUNA,  
Mortgagee's

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, HOME DEVELOPMENT MUTUAL FUND, with business address at 12<sup>th</sup> Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City, against the Mortgagee's, ARIELE TAGUNA MARRIED TO RAQUEL S. TAGUNA, with residence and postal addresses at NO. 057, BUTUAN ST., PAEL CULIAT, QUEZON CITY AND LOT 27, BLOCK 79, PHASE 1, PARKLANE COUNTRY HOMES, SANTIAGO, GENERAL TRIAS, CAVITE, to satisfy the mortgage indebtedness which as of 27 June 2016 amounts to THREE HUNDRED NINETY SIX THOUSAND ONE HUNDRED THIRTY EIGHT PESOS & 92/100 (P396,138.92), Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all the 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, 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. T-1212482**

A parcel of land (Lot 27 Blk. 79) of the subd. Plan, Psd-04-095680, being a portion of Blk. 79, Psd-04-087331, L.R.C. Rec. No. 1, situated in the Brgy. of Santiago, Mun. of Gen. Trias, Prov. of Cavite, bounded on the SW, along line 1-2 by Lot 25, Blk. 79; on the NE, along line 2-3 by Road Lot 8, on the SE, along line 3-4 by Lot 29, Blk. 79; on the SW, along line 4-1 by Lot 28, Blk. 79, all of the subd. plan, beginning at a pt. marked "1" on plan xxx containing an area of FIFTY-FIVE (55) SQ. 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 **September 28, 2021** 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 13, 2021.**

(Sgd.) **LEO C. ALEJO III**  
Sheriff/TJ

Copy Furnished:

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

ARIELE TAGUNA married to RAQUEL S. TAGUNA  
NO. 057, BUTUAN ST., PAEL CULIAT, QUEZON CITY  
LOT 27, BLOCK 79, PHASE 1, PARKLANE COUNTRY  
HOMES, SANTIAGO, 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.

Publisher: **DIYARYO KABITENYO**  
Dates: July 19, 26 and August 2, 2021

REPUBLIC OF THE PHILIPPINES  
FOURTH JUDICIAL REGION  
REGIONAL TRIAL COURT  
OFFICE OF THE CLERK OF COURT  
TRECE MARTIRES CITY  
HOME DEVELOPMENT MUTUAL FUND  
Mortgagee

FORECLOSURE CASE NO. F-735-16

SPOUSES MARLYN R. GRANADO  
& NOLY G. GRANADO,  
Mortgagee's

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, HOME DEVELOPMENT MUTUAL FUND, with business address at 12<sup>th</sup> Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City, against the Mortgagee's, SPOUSES MARLYN R. GRANADO & NOLY G. GRANADO with residence and postal addresses NO. 31 GEDRAYAN ST., DOÑA BEILDA, QUEZON CITY, AND LOT 30, BLOCK 46, PHASE 2-A, GRAND RIVERSIDE SUBDIVISION, PASONG CASCABELLE, GENERAL TRIAS, CAVITE to satisfy the mortgage indebtedness which as of 27 June 2016 amounts to THREE HUNDRED SIXTEEN THOUSAND TWO HUNDRED THREE PESOS AND 34/100 (P316,203.34), Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all the 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, 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. T-1222288**

A parcel of land (Lot 30 Blk. 46) of consubd. plan Psd-04-014361, being a portion of the consub. of Lots 1 Blk. 32, 1 Blk. 33, both of Psd-04-022772, 1790-A, Psd-04-011222, 1954-A, Psd-04-099884, 1973 (Psd-04-022790), 1122 (Psd-04-022790) and 3379, all of San Francisco in Magdalen Court, situated in the Brgy. of Pasong Cascabelle, Mun. of Gen. Trias, Province of Cavite, on the NE, bounded on the NE, along line 1-2 by Lot Alley 29, on the SE, along line 2-3 by Lot 30, Blk. 46, on the SW, along line 3-4 by Lot 30, Blk. 46, and on the NW, along line 4-1 by Lot 29, Blk. 46, all of the consubd. plan, beginning at a pt. marked "1" on plan xxx containing an area of THIRTY SIX (36) SQ. 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 **September 28, 2021** 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 15, 2021.**

(Sgd.) **LEO C. ALEJO III**  
Sheriff/TJ

Copy Furnished:

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

SPOUSES MARLYN R. GRANADO  
& NOLY G. GRANADO  
NO. 31 GEDRAYAN ST., DOÑA BEILDA, QUEZON CITY  
LOT 30, BLOCK 46, PHASE 2-A, GRAND RIVERSIDE  
SUBDIVISION, PASONG CASCABELLE, 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.

Publisher: **DIYARYO KABITENYO**  
Dates: July 19, 26 and August 2, 2021

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

HOME DEVELOPMENT MUTUAL FUND  
Mortgagee

FORECLOSURE CASE NO. F-018-17

versus

EVELYN BALMONTE LARON  
Mortgagor

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, HOME DEVELOPMENT MUTUAL FUND, with business address at 12<sup>th</sup> Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City, against the Mortgagor's, EVELYN BALMONTE LARON with residence and postal addresses: LOT 2, BLOCK 3, PHASE 1, NEW JAVALERA VILLAGE GENERAL TRIAS, CAVITE, AND LOT 16, BLOCK 7, SECTION 1, PHASE 2 SUNNY BROOKE, ILANG, GENERAL TRIAS, CAVITE to satisfy the mortgage indebtedness which as of 15 July 2018 amounts to TWO HUNDRED NINETY THOUSAND SIX HUNDRED FIFTY FIVE PESOS AND 10/100 (P290,655.00), Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all the 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-028041**

A parcel of land (Lot 18 Block 7 Section 1 of the cons. subdiv. plan Pco-04-012408, being a portion of Block 61, Pal.042108-07621 & Sec. 13, Pco-04-000208, L.R.C. Record No. 1, situated in the Dept. Eleng, Municipality of Gen. Trias, Province of Cavite, Island of Luzon. Bounded on the SE along line 1-2 by Lot 20 Block 7, Sec. 1; on the SW along line 2-3 by Alley 6; on the NW along line 3-4 by Lot 16 Block 7 Sec. 1, and on the NE along line 4-1 by Lot 17 Block 7 Section 1, all of the cons. subdiv. plan. Beginning at a point 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 **September 30, 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, **July 13, 2021.**

(Sgd.) LUCIO C. ALEJO III  
Sheriff IV

Copy Furnished:  
HOME DEVELOPMENT MUTUAL FUND  
12<sup>th</sup> Floor JELP Business Solution Center  
No. 409 Shaw Boulevard, Mandaluyong City

EVELYN BALMONTE LARON  
LOT 2, BLOCK 3, PHASE 1, NEW JAVALERA VILLAGE,  
GENERAL TRIAS, CAVITE  
AND LOT 16, BLOCK 7, SECTION 1, PHASE 2 SUNNY  
BROOKE, ILANG, 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: DIYARIO KABITENYO  
Date: July 19, 26 and August 2, 2021

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

HOME DEVELOPMENT MUTUAL FUND  
Mortgagee

FORECLOSURE CASE NO. F-478-17

versus

DANILO V. LAFIGUERA  
Mortgagor

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, HOME DEVELOPMENT MUTUAL FUND, with business address at 12<sup>th</sup> Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City against the Mortgagor's, DANILO V. LAFIGUERA with residence and postal addresses: 3781 PADILLA ST., SAN MIGUEL, MANILA AND LOT 9, BLOCK 48, PHASE 1A, CARISSA HOMES, BAGTAS, TANZA, CAVITE to satisfy the mortgage indebtedness which as of 19 August 2017 amounts to TWO HUNDRED EIGHTY SIX THOUSAND FOUR HUNDRED TWENTY TWO PESOS AND 13/100 (P286,422.13) Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all the 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-310370**

A parcel of land (Lot 9, Blk. 48, of the subdiv. plan, Pal-04-090395, being a portion of Lot 3, Pco-04-011472, L.R.C. Record No. 3, situated in the Brig. Bagtas, Municipality of Tanza, Prov. of Cavite, Is. of Luzon. Bounded on the SE, along line 1-2 by Lot 11, Blk. 48; on the SW, along line 2-3 by Alley 44; on the NW, along line 3-4 by Lot 7; and on the NE, along line 4-1 by Lot 16, both of Blk. 48, all of the subdiv. plan. Beginning at a point marked "1" on plan xxx containing an area of THIRTY FIVE (35) SQ. 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 **September 30, 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, **July 13, 2021.**

(Sgd.) LUCIO C. ALEJO III  
Sheriff IV

Copy Furnished:  
HOME DEVELOPMENT MUTUAL FUND  
12<sup>th</sup> Floor JELP Business Solution Center  
No. 409 Shaw Boulevard, Mandaluyong City

DANILO V. LAFIGUERA  
3781 PADILLA ST., SAN MIGUEL, MANILA,  
AND LOT 9, BLOCK 48, PHASE 1A, CARISSA HOMES,  
BAGTAS, TANZA, 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: DIYARIO KABITENYO  
Date: July 19, 26 and August 2, 2021

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

HOME DEVELOPMENT MUTUAL FUND  
Mortgagee

FORECLOSURE CASE NO. F-345-18

versus

DELIA C. ORDONA  
Mortgagor

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, HOME DEVELOPMENT MUTUAL FUND, with business address at 12<sup>th</sup> Floor JELP Business Solution Center, No. 409 Shaw Boulevard, Mandaluyong City, against the Mortgagor's, DELIA C. ORDONA with residence and postal address at LOT 6, BLOCK 23, PHASE 1, PARAMOUNT HOMES, NAGARBAN, GENERAL TRIAS, CAVITE, to satisfy the mortgage indebtedness which as of 30 October 2018 amounts to SIX HUNDRED NINETY EIGHT THOUSAND NINE HUNDRED FIFTEEN PESOS AND 01/100 (P698,915.01), Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all the 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-012808**

A parcel of land (Lot 6, Blk. 23 of the subdiv. plan, Pal-04-104326, being a portion of Lot 1742, Is. Province de Marikina, Encom. R4-04-002875, L.R.C. Record No. 2864, situated in the Dept. of Navotas, Municipality of Gen. Trias, Province of Cavite, Is. of Luzon. Bounded on the SW, along line 1-2 by Lot 3, Blk. 23 on the NW, along line 2-3 by Lot 4, Blk. 23, on the NE, along line 3-4 by Alley Lot 28-14 50 sq. meters, and on the SE, along line 4-1 by Lot 5, Blk. 23, all of the subdiv. plan. Beginning at a point marked "1" on plan xxx containing an area of THIRTY TWO (32) SQ. METERS.

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 **September 30, 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, **July 13, 2021.**

(Sgd.) LUCIO C. ALEJO III  
Sheriff IV

Copy Furnished:  
HOME DEVELOPMENT MUTUAL FUND  
12<sup>th</sup> Floor JELP Business Solution Center  
No. 409 Shaw Boulevard, Mandaluyong City

DELIA C. ORDONA  
LOT 6, BLOCK 23, PHASE 1, PARAMOUNT HOMES,  
NAGARBAN, 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: DIYARIO KABITENYO  
Date: July 19, 26 and August 2, 2021

Republic of the Philippines  
**OFFICE OF THE CITY CIVIL REGISTRAR**  
City of General Trias, Cavite.  
(046) 519-5014

**NOTICE OF PUBLICATION**

In compliance with Section 5 of R.A. 9548, notice is hereby served to the public that **NORLITA NOMBRADO MEDINA** has filed with this Office a petition for Change of First Name from **MARIANA** to **NORLITA** in the birth certificate of **MARIANA LUIG NOMBRADO** who was born on **26 May 1963** at General Trias, Cavite and whose parents are **Ramiro L. Nombardo and Juliana G. Luig**.

Any person adversely affected by said petition may file his/her written opposition to this Office not later than **AUGUST 2, 2021**.

(Sgt.) **ARLENE E. BUGTONG**  
City Civil Registrar

DIYARYO KABITENYO - July 19 & 26, 2021

REPUBLIC OF THE PHILIPPINES  
PROVINCE OF CAVITE  
MUNICIPALITY OF NAIC

**NOTICE TO THE PUBLIC**  
CEE-0017-2021 R.A. 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 (IBR on R.A. 10172), Notice is hereby served to the public that **CLARENDA GAVISO JARDINIANO** has filed with this Office, a petition for correction of entry in sex from **"MALE"** to **"FEMALE"** in her Certificate of Live Birth and whose parents are **Ernesto Jardiniano and Felicitas Gaviso**.

Any person adversely affected by said petition, may file his written opposition with this Office not later than **August 2, 2021**.

(Sgt.) **GLORIA P. BAGO**  
Municipal Civil Registrar

DIYARYO KABITENYO - July 19 & 26, 2021

**EXTRAJUDICIAL SETTLEMENT OF ESTATE**

NOTICE is hereby given that the estate of the late **ADELAIDA RIETA REYES** who died intestate on October 22, 2013 at Bautista Hospital, Caridad, Cavite City, consisting of a parcel of land with improvement found therein, located at lot, Corason St., Brgy. 47-B (PAGKARAKISA), San Antonio, Cavite City, covered by TCT-071-201300028, containing an area of **TWO HUNDRED SEVEN (207) SQUARE METERS**, more or less, has been adjudicated and extrajudicially settled by and between her heirs in equal share on May 24, 2021 at Cavite City before Notary Public Atty. Sikat V. Aghwang and entered in her Notarial Register as Doc. No. 7270, Page No. 55, Book No. 7, Series of 2021.

(Sgt.) **Both Heirs**

Publication : DIYARYO KABITENYO  
Date : July 19, 26 and August 2, 2021

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

In the matter of Change of First Name in the Certificate of Live Birth (SECPA) of

**JHON NOVERO RODIL** CFN-0901-2021

**JUAN S. RODIL**  
Petitioner

**NOTICE OF PUBLICATION**

There is a petition filed for the change of first name in Certificate of Live Birth (SECPA) of **JHON NOVERO RODIL** from **"JHON NOVERO"** to **"JUAN"**

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 7 of Republic Act No. 9548.

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

DIYARYO KABITENYO - July 19 & 26, 2021

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

Publication Notice:  
R.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 (IBR on R.A. 10172), Notice is hereby served to the public that **MA DOLORES A. MACEDA** has filed with this Office a Petition for Change of First Name from **"MARIADOLORES"** to **"MA DOLORES"**, and Correction of Entry in the Child's date of birth from **"JAN. 30, 1961"** to **"JANUARY 31, 1961"** in the Certificate of Live Birth of **MARIA DOLORES C. ALOLOR** born on **Jan. 30, 1961** at **Cebu, Cebu** and whose parents are **JITO C. ALOLOR and EPIFANIAM CONSTANTINO**.

Any person adversely affected by said petition may file his/her written opposition with this office not later than **AUGUST 2, 2021**.

(Sgt.) **MAXIMO JR. L. LONTOC**  
City Civil Registrar

DIYARYO KABITENYO - July 19 & 26, 2021

**AFFIDAVIT OF SELF-ADJUDICATION**

NOTICE is hereby given that the estate of the late **EXCITA Z. VEGA** who died intestate on February 27, 2009 in Virginia, USA, consisting of two (2) parcels of land covered by TCT No. T-280866 with an area of Two Hundred Twenty (220) Square Meters, More or Less, and TCT T-280868 with an area of Two Hundred Twenty (220) Square Meters, More or Less, situated at Bn. Biklatan, General Trias, Cavite, of the Registry of Deeds Trece Martires, for the Province of Cavite, has been self-adjudicated by her surviving son **DONEL VEGA ADVINCULA** on May 17, 2018 in the City of Cavite, Philippines before Notary Public Atty. Sikat V. Aghwang and entered in her Notarial Register as Doc. No. 1142, Page No. 222, Book No. 12, Series of 2018.

(Sgt.) **Sole Heir**

Publication : DIYARYO KABITENYO  
Date : July 19, 26 and August 2, 2021

**EXTRA JUDICIAL SETTLEMENT OF ESTATE**

NOTICE is hereby given that the estate of the deceased **ELIE TINAMBACAN YAP** who died intestate on August 5, 2016, consisting of a certain parcel of land (agricultural) without any improvements found therein covered by Tax Declaration No. TD 01-0023-00024 having a **TOTAL LOT AREA of SIX THOUSAND TWO HUNDRED AND FIFTY (6,250) square meters, more or less**, situated at Brgy. Pags. Alfonso, Province of Cavite has been adjudicated and extrajudicially settled by and among her heirs on July 6, 2021 in the City of Cavite, Philippines before Notary Public Atty. Sikat V. Aghwang and entered in her Notarial Register as Doc. No. 7944, Page No. 41, Book No. 7, Series of 2021.

(Sgt.) **All Heirs**

Publication : DIYARYO KABITENYO  
Date : July 19, 26 and August 2, 2021

## Cognitive decline may help predict future fracture risk in women

Researchers led by the Garvan Institute of Medical Research have discovered a link between cognitive decline and a faster rate of bone loss and found that cognitive decline over five years increased future fracture risk in women. The association between cognitive decline and bone loss was weaker in men.

The study of individuals aged 65 and older was carried out over 16 years and has revealed a potential new approach to help identify older people who may be at risk of fracture.

"Bone loss and cognitive decline are major public health issues, but both are 'silent diseases' that can go undetected and unmonitored for long periods, often until the conditions are severely pro-

gressed," says Professor Jacqueline Center, Head of the Clinical Studies and Epidemiology lab at St Vincent's Hospital and senior author of the findings published in the *Journal of Bone and Mineral Research*.

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Republic of the Philippines  
Fourth Judicial Region  
Regional Trial Court of Cavite  
Office of the Clerk of Court & Ex-Officio Sheriff  
New Justice Hall, J.P. Rizal Avenue, Kawagasaki South, Tagaytay City

PHILIPPINE SAVINGS BANK,  
Mortgages

LTJ NO. TG-21-024  
FOR Application for Extra-judicial  
Foreclosure of Real Estate Mortgage  
Under Act No. 3135, as amended

JENNY M. ALZONA AND MADONNA L.  
MAGHIRANG,

Borrowers/Mortgagees

X-----X  
NOTICE OF EXTRA-JUDICIAL SALE

Upon extra-judicial foreclosure sale under Act 3135, as Amended by Act No. 4114, filed by Mortgagee, PHILIPPINE SAVINGS BANK, a thrift bank with principal office and place of business at PSBank Center, 777 Pasay de Roxas corner Saldanha Street, Makati City, pursuant to the terms and conditions of the Promissory Note with Real Estate Mortgage and Utilization and Mortgage Agreements (Real Estate) ("MORTGAGE") executed and annotated on December 11, 2013, June 7, 2019 and December 9, 2019 respectively by Borrowers/Mortgagees, JENNY M. ALZONA and MADONNA L. MAGHIRANG, with present address at BR. 99, Lot 21, Golden City, Sta. Rosa, Laguna and collateral address at BR. 14, Lot 38, Arafelison Drive, South Forbes Villas, Incheon, Silang, Cavite, over a real estate property including improvements thereon, described in and covered by Transfer Certificate of Title No. (T-77814) 876-201906666 of the Registry of Deeds for Tagaytay City, in order to satisfy the outstanding loan obligation of the Debtors/Mortgagees in the amount of THREE MILLION NINE HUNDRED NINETY EIGHT THOUSAND THREE HUNDRED TWENTY FOUR PESOS & 19/100 (Php3,998,224.19) plus accruing interest, penalty and other charges therein from the said date up to the date of foreclosure sale, publication, other foreclosure expenses, attorney's fees and such other additional sums, as of May 27, 2021, the undersigned Clerk of Court & Ex-Officio Sheriff of the Regional Trial Court of Cavite this her deputy, Alex E. Martinez, will sell at public auction on August 26, 2021 at 10:00 o'clock in the morning or soon thereafter, at the New Hall of Justice of Tagaytay City, in the highest bidder, for Cash or Manager's Check and in Philippine Currency, the following properties with all its improvements thereon, to-wit:

TRANSFER CERTIFICATE OF TITLE  
NO. (T-77814) 876-201906666  
Registry of Deeds for Tagaytay City

"IT IS HEREBY CERTIFIED that certain land situated in BRGY. INCHONAN, MUN. OF SILANG, PROV. OF CAVITE, is of LIZON, bounded and described as follows:

A PARCEL OF LAND (LOT 16, BLOCK 14 OF THE SUBD. PLAN PSQ-04-180218, BEING A PORTION OF BLK. 13 PCS-04-020093, LRC REC. NO. 1, SITUATED IN THE BRGY. INCHONAN, MUN. OF SILANG, PROV. OF CAVITE, IS OF LIZON, BOUNDED ON THE SE., ALONG LINE 1-2 BY LOT 72, BLK. 14 OF THE SUBD. PLAN, ON THE SW., ALONG LINE 1-BY LOT 1, BLOCK 30, ON THE NW., ALONG LINE 5-4 BY LOT 35, BLK. 14 OF THE SUBD. PLAN AND ON THE NE., ALONG LINE 4-1 BY RD. LOT 3 (12.00 M. WIDE), BEGINNING

AT A PT. MARKED "1" ON PLAN, BEING N. 75-40 E., 8125.15 M. FROM BLM 9-1, CAD. 472-D, SILANG CADASTRE, THENCE S 66-54 W., 15.80 M. TO PT. 2, N 23-00 W., 10.00 M. TO POINT 3, N. 46-54 E., 15.00 M TO POINT 4, S 23-00 E., 10.00 M. TO PT. OF BEGINNING, CONTAINING AN AREA OF ONE HUNDRED FIFTY (150) SQUARE METERS, ALL PTS. REFERRED TO ARE INDICATED ON THE PLAN AND ARE MARKED ON THE GROUND BY P.S. BEARINGS TRUE, DATE OF ORIG. SURVEY, JULY 19, 2005 AND THAT OF THE SUBD. PLAN EXECUTED BY RAYMUND ARNOLD S. ALBERTO, GEODETIC ENGR., ON AUG. 15-30, 2005, AND WAS APPROVED ON SEPT. 16, 2005.

is registered in accordance with the provision of the Property Registration Decree in the name of

Owner: JENNY M. ALZONA, OF LEGAL AGE,  
FILIPINO, SINGLE  
Address: BLOCK 99, LOT 21, GOLDEN CITY,  
STA. ROSA, LAGUNA

Owner: MADONNA L. MAGHIRANG, OF LEGAL  
AGE, FILIPINO, SINGLE  
Address: BLOCK 99, LOT 21, GOLDEN CITY,  
STA. ROSA, LAGUNA

In the event the public auction should not take place on the said date, it shall be held on August 12, 2021 without further notice.

Prospective bidders or buyers are hereby enjoined to investigate and verify for themselves the TRANSFER CERTIFICATE OF TITLE NO. (T-77814) 876-201906666 of the said properties therein, if any there be.

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

Tagaytay City, Philippines, July 15, 2021.

(Sgd.) ATTY. VAREBRA ANN A. VARIAS-BIMAYUGA  
Clerk of Court & Ex-Officio Sheriff

(Sgd.) ALEX E. MARTINEZ  
Sheriff in-Charge

WARNING

IT IS ABSOLUTELY PROHIBITED TO REMOVE, DEFACE OR DESTROY THIS NOTICE OF SHERIFF'S SALE (IN OR BEFORE THE DATE OF THE AUCTION SALE UNDER THE PENALTY OF LAW

Copy Furnished

PHILIPPINE SAVINGS BANK  
Mortgages

PSBank Center, 777 Pasay de Roxas corner  
Saldanha Street, Makati City

JENNY M. ALZONA AND MADONNA L. MAGHIRANG  
Borrowers/Mortgagees  
BR. 14, Lot 38, Arafelison Drive, South Forbes Villas,  
Incheon, Silang, Cavite

JENNY M. ALZONA AND MADONNA L. MAGHIRANG  
Borrowers/Mortgagees  
BR. 99, Lot 21, Golden City, Sta. Rosa, Laguna

Publication: DIYARYO KABITENYO  
Date: July 26, August 2 & 9, 2021



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

Publication Notice  
E.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 (IRR on E.A. 10172), Notice is hereby served to the public that LILIAN P. RODRIGUEZ has filed with this Office a Petition for Change of First Name from "LILIA" to "LILIAN" and Generation of Entry in the Child's date of birth from "JANUARY 11, 1971" to "JANUARY 18, 1971" in the Certificate of Live Birth of LILIA V. PANGANIBAN born on January 11, 1971 at Triana, Marikina City, Cavite and whose parents are FRANCISCO B. PANGANIBAN and PERFECTA M. VILLA.

Any person adversely affected by said petition may file his/her written opposition with this Office not later than August 3, 2021.

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

DIYARYO KABITENYO - July 26 and August 2, 2021

## Thumb-sized device quickly 'sniffs out' bad breath

No one wants bad breath—not when visiting friends and family, at a job interview, and especially not on a first date. Smelly breath can make things awkward, but it also is a natural warning sign, indicating that serious dental issues are occurring. Now, researchers reporting in ACS Nano have constructed a portable, thumb-sized device that diagnoses bad breath by quickly "sniffing" exhalations for the gas that makes it stinky — hydrogen sulfide.

Because most people can't smell their own breath, they need to ask someone else, which can be embarrassing and awkward. Some devices measure small amounts of stinky hydrogen sulfide, but they require exhaled air to be collected and tested on expensive instruments in a lab, which is not feasible for consumers. Previous studies have shown that when some metal oxides react with sulfur-containing gases, their electrical conductivity changes.

# Nanoparticles create heat from light to manipulate electrical activity in neurons

Nanomaterials have been used in a variety of emerging applications, such as in targeted pharmaceuticals or to bolster other materials and products such as sensors and energy harvesting and storage devices. A team in the McKelvey School of Engineering at Washington University in St. Louis is using nanoparticles as heaters to manipulate the electrical activity of neurons in the brain and of cardiomyocytes in the heart.

The findings, published July 3, 2021, in *Advanced Materials*, have the potential to be translated to other types of excitable cells and serve as a valuable tool in nano-

engineering. Srikanth Singamaneni, a materials scientist, and Barani Raman, a biomedical engineer, and their teams collaborated to develop a noninvasive technology that inhibits the electrical activity of neurons using polydopamine (PDA) nanoparticles and near-infrared light. The negatively charged PDA nanoparticles, which selectively bind to neurons, absorb near-infrared light that creates heat, which is then transferred to the neurons, inhibiting their electrical activity.

"We showed we can inhibit the activity of these neurons and stop their firing, not just in and off, but in

a graded manner," said Singamaneni, the Lilyan & E. Lisle Hughes Professor in the Department of Mechanical Engineering & Materials Science. "By controlling the light intensity, we can control the electrical activity of the neurons. Once we stopped the light, we can completely bring them back again without any damage."

In addition to their ability to efficiently convert light into heat, the PDA nanoparticles are highly biocompatible and biodegradable. The nanoparticles eventually degrade, making them a convenient tool for use in *in vitro* and *in vivo* experiments in the future.

"When you pour

cream into hot coffee, it dissolves and becomes creamed coffee through the process of diffusion," he explained. "It is similar to the process that controls which ions flow in and out of the neurons.

Diffusion depends on temperature, so if you have a good handle on the heat, you control the rate of diffusion close to the neurons. This would in turn impact the electrical activity of the cell. This study demonstrates the concept that the photothermal effect, converting light into heat, near the vicinity of nanoparticles tagged neurons can be used as a way to control specific neurons remotely."

To continue the

coffee analogy, the team has designed a photothermal foam that is similar to a sugar cube, forming a dense population of nanoparticles in tight packaging that acts more quickly than individual sugar crystals that disperse, Raman said.

"With so many of them packed in a small volume, the foam is quicker in transducing light to heat and give more efficient control to only the neurons we want," he said. "You don't have to use high-intensity power to generate the same effect."

In addition, the team, which includes Jon Silva, associate professor of biomedical engineering, ap-

plied the PDA nanoparticles to cardiomyocytes, or heart muscle cells. Interestingly, the photothermal process excited the cardiomyocytes, showing that the process can increase or decrease the excitability in cells depending on their type.

"The excitability of a cell or tissue, whether it be cardiomyocytes or muscle cells, depends to a certain extent on diffusion," Raman said. "While cardiomyocytes have a different set of rules, the principle that controls the sensitivity to temperature can be expected to be similar."

Now, the team is looking at how different types of neurons respond to the stimulation process.

# Effectiveness of mRNA vaccines against the Alpha and Beta variants in France

Over the past six months, the World Health Organization has categorized four SARS-CoV-2 variants as being "of concern" because they are more transmissible or may escape the immune response. They have been termed the Alpha, Beta, Gamma and Delta variants.

Scientists from the Institut Pasteur, in collaboration with the French National Health Insurance Fund (CNAM), Ipsos and Santé publique France, conducted a nationwide case-control study to evaluate the effectiveness of mRNA vaccines against symptomatic forms of SARS-CoV-2 infection, be that non-variant virus or the Alpha and Beta variants. The results show that the two-dose

vaccination regimen of mRNA vaccines provides 88% protection against non-variant virus, 86% against the Alpha variant and 77% against the Beta variant. The results of this study were published in The Lancet Regional Health Europe on July 14, 2021.

In late 2020, two new variants of SARS-CoV-2 were reported in the United Kingdom and in South Africa, respectively. This occurred at a time when the United Kingdom was experiencing a resurgence in the incidence of SARS-CoV-2 infections. This was later attributed to the emergence of the Alpha variant, which has now demonstrated increased transmissibility as compared to the original SARS-CoV-2.

The Beta variant was first reported in South Africa and later identified to carry a mutation known as E484K and which is associated with immune evasion. The reporting of the first SARS-CoV-2 variants occurred as mass COVID-19 vaccination campaigns were commencing at global level. In France, both Alpha and Beta were circulating in the first months of 2021. It was therefore important to analyze the effectiveness of the messenger RNA (mRNA) COVID-19 vaccines against these SARS-CoV-2 variants of concern.

In October 2020, the Institut Pasteur, in collaboration with the French National Health Insurance Fund (CNAM), Ipsos and

Santé publique France, launched the ComCor study, a case-control study at national level to analyze the sociodemographic, behavioral and practical factors associated with SARS-CoV-2 infection. All those infected with SARS-CoV-2 were invited to take part in the study by the CNAM, while non-infected control were identified through an Ipsos representative panel. The first results of the study were published in The Lancet Regional Health on June 7, 2021.

In February 2021, the scientists adapted the ComCor questionnaire to add information about vaccination against COVID-19, previous SARS-CoV-2 infection and information on the variants

responsible for infection, provided as part of test results. This information was used to assess the effectiveness of two doses of mRNA vaccine against the Alpha and Beta variants, and to evaluate the protection conferred by previous SARS-CoV-2 infection.

In this study, 7,288 people infected with the original strain, 31,313 people infected with the Alpha variant, 2,550 people infected with the Beta variant and 3,644 non-infected controls were included between February and May 2021. The study enabled the scientists to demonstrate that two doses of mRNA vaccine conferred 88% (81-92) effectiveness against infection with original virus, 86%

(81-90) effectiveness against infection with the Alpha variant and 77% (71-90) effectiveness against infection with the Beta variant, as measured seven days after the second dose. No difference in vaccine effectiveness was found between different categories of age, sex or occupational exposure.

"There was much expectation surrounding the (vaccine effectiveness) results for the Beta variant, known for its E484K mutation associated with immune evasion. Our estimate of 77% protection is very close to the estimate of 75% reached by the only other study worldwide to have evaluated the effectiveness of mRNA vaccines against this variant.

# Cancer: Information theory to fight resistance to treatments

One of the major challenges in modern cancer therapy is the adaptive response of cancer cells to targeted therapies: initially, these therapies are very often effective, then adaptive resistance occurs, allowing the tumor cells to proliferate again. Although this adaptive response is theoretically reversible, such a reversal is hampered by numerous molecular mechanisms that allow the cancer cells to adapt to the treatment. The analysis of these mechanisms is limited by the complexity of cause and effect relationships that are extremely difficult to observe in vivo in tumor samples. In order to overcome this challenge, a team from the University of

Geneva (UNIGE) and the University Hospitals of Geneva (HUG), Switzerland, has used information theory for the first time, in order to objectify in vivo the molecular regulations at play in the mechanisms of the adaptive response and their modulation by a therapeutic combination. These results are published in the journal *Neoplasia*.

Adaptive response limits the efficiency of targeted therapies used to fight the development of tumors: after an effective treatment phase that reduces the tumor size, an adaptation to the used molecule occurs that allows the tumor cells to proliferate again. "We now know that this resistance to treatment has a large reversible component

that does not involve mutations, which are an irreversible process," explains Rastine Merat, a researcher in the Department of Pathology and Immunology at the UNIGE Faculty of Medicine, the head of the Onco-Dermatology Unit at the HUG and the principal investigator of the study.

In order to prevent resistance to targeted therapies, scientists need to understand the molecular mechanisms of the adaptive response. "These mechanisms may involve variations in gene expression, for example," explains Rastine Merat. It is then necessary to modify or prevent these variations by means of a therapeutic combination that blocks the consequences or

even prevents them.

One challenge remains: the description of these mechanisms and their modulation under the effect of a therapeutic combination is very often carried out on isolated cultured cells and not validated in tumor tissue in the body. "This is essentially due to the difficulty of objectifying these mechanisms, which may occur in a transient manner and only in a minority of cells in tumor tissues, and above all which involve non-linear cause and effect relationships," explains the Geneva researcher.

To counter these difficulties, the UNIGE and HUG team came up with the idea of using information theory, more specifically by quantifying mutual

information. This approach has previously been used in biology, mainly to quantify cell signaling and understand genetic regulation networks. "This statistical method makes it possible to link two parameters involved in a mechanism by measuring the reduction in the uncertainty of one of the parameters when the value of the other parameter is known," simplifies Rastine Merat.

Practically, the scientists proceed step by step: they take biopsies of tumors (in this case melanomas) in a mouse model at different stages of their development during therapy. Using immunohistochemical analyses -- i.e. tumor sections -- they

measure, using an automated approach, the expression of proteins involved in the mechanism at play in the adaptive response. "The proposed mathematical approach is easily applicable to routine techniques such as immunohistochemistry and makes it possible to validate in vivo the relevance of the mechanisms under study, even if they occur in a minority of cells and in a transient manner," the Geneva researcher explains. Thus, scientists can not only validate in the organism the molecular mechanisms they are studying, but also the impact of innovative therapeutic combinations that result from the understanding of these mechanisms.

# Toward one drug to treat all corona viruses

Safe and effective vaccines offer hope for an end to the COVID-19 pandemic. However, the possible emergence of vaccine-resistant SARS-CoV-2 variants, as well as novel coronaviruses, make finding treatments that work against all coronaviruses as important as ever. Now, researchers reporting in ACS' *Journal of Proteome Research* have analyzed viral proteins across 27 coronavirus species and thousands of samples from COVID-19 patients, identifying highly conserved sequences that could make the best drug targets.

Drugs often bind inside "pockets" on proteins that hold the drug snugly, causing it to interfere with the protein's function. Scientists can identify potential drug-binding pockets from the 3D structures of viral proteins. Over time, however, viruses can mutate their protein pockets so that drugs no longer fit. But some drug-binding pockets are so essential to the protein's function that they can't be mutated, and these sequences are generally conserved over time in the same and related viruses. Matthew Schapira and colleagues wanted to find the most highly conserved drug-binding pockets in viral proteins from COVID-19 patient samples and from other coronaviruses, revealing the most promising targets for pan-coronavirus drugs. The team used a computer algorithm to identify drug-binding pockets in the 3D structures of 15 SARS-CoV-2 proteins. The researchers then found corresponding proteins in 27 coronavirus species and compared their sequences in the drug-binding pockets.

# Wearable brain-machine interface turns intentions into actions

A new wearable brain-machine interface (BMI) system could improve the quality of life for people with motor dysfunction or paralysis, even those struggling with locked-in syndrome — when a person is fully conscious but unable to move or communicate.

A multi-institutional, international team of researchers led by the lab of Woon-Hong Yeo at the Georgia Institute of Technology combined wireless soft scalp electronics and virtual reality in a BMI system that allows the user to imagine an action and wirelessly control a wheelchair or robotic arm.

The team, which included researchers from the University of Kent (United Kingdom) and Yonsei University (Republic of Korea), describes the new motor imagery-based BMI system this month in the journal *Advanced Science*.

"The major advantage of this system to the user, compared to what currently exists, is that it is soft and comfortable to wear, and doesn't have any wires," said Yeo, associate professor on the George W. Woodruff School of Mechanical Engineering.

BMI systems are a rehabilitation technology that analyzes a person's brain signals and translates that neural activity into commands, turning intentions into actions. The most common non-invasive method for acquiring those signals is Electroencephalography, EEG, which typically requires a cumbersome electrode skull cap and a tangled web of wires.

These devices generally rely heavily on gels and pastes to help maintain skin contact, require extensive set-up times, are generally inconvenient and

uncomfortable to use. The devices also often suffer from poor signal acquisition due to material degradation or motion artifacts — the ancillary "noise" which may be caused by something like teeth grinding or eye blinking. This noise shows up in brain-data and must be filtered out.

The portable EEG system Yeo designed, integrating imperceptible microneedle electrodes with soft wireless circuits, offers improved signal acquisition. Accurately measuring those brain signals is critical to determining what actions a user wants to perform, so the team integrated a powerful machine learning algorithm and virtual reality component to address that challenge.

The new system was tested with four human subjects, but hasn't been studied with disabled individuals yet.