

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

Proverbs 18:10

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**DIYARYO KABITENYO**  
Nagmamalasakit sa lalawigan

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

1 Corinthians 16:13

# Cavite turns over 36 vehicles to Indang LGU

**T R E E C E**  
MARTIRES CITY, Cavite - The provincial government of Cavite distributed 36 brand new Foton Gratour to be used as patrol vehicles by the different villages in Indang town last Feb. 7.

Indang Mayor Perfecto Fidel, Vice Mayor Sammy Rodil, Association of Barangay Captains Federation president Nilo Telmo and the 35 other village chiefs received the brand new multipurpose vehicle from the provincial chief executive.

Meanwhile, a total of 40 brand new units of Toyota Wigo to be used as a mobile patrol vehicles



Foton Gratour and Toyota Wigo units aimed to be used as village and police patrol vehicles are parked at the Cavite Provincial Capitol grounds ready to be turned over to the different villages in Indang town last Feb. 7.

were turned over to government's program the Cavite Provincial to provide a patrol Police Office: vehicle to every village

This is part in every town and city of the provincial in the province.



The local government unit of Tree Martires City launches Lingap COVID program at Sunshineville Barangay Cabuco recently.

## DIYARYO KABITENYO

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ARNULFO BARCO

Publisher - Editor

GENER BARCO

Operations Manager

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### Papi

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# A new multipurpose on-off switch for inhibiting bacterial growth

## Cellular proteins enable tissues to sense, react to mechanical force

The cellular proteins that hold cells and tissues together also perform critical functions when they experience increased tension. A new study observed that when tugged upon in a controlled manner, these proteins – called cadherins – communicate with growth factors to influence *in vitro* tumor growth in human carcinoma

The study, led by professor Deborah Leckband, found that cadherins that bond with growth factor receptors can sense mechanical force and respond by altering cell communication and growth.

The findings are published in the Proceedings of the National Academy of Sciences.

Researchers at Lund have discovered an antitoxin mechanism that seems to be able to neutralise hundreds of different toxins and may protect bacteria against virus attacks. The mechanism has been named Panacea, after the Greek goddess of medicine whose name has become synonymous with universal cure. The understanding of bacterial toxin and antitoxin mechanisms will be crucial for the future success of so-called phage therapy for the treatment of antibiotic resistance infections, the researchers say. The study has been published in PNAS.

So-called toxin-antitoxin systems, a kind of on-off switch in many bacterial DNA

genomes, are increasingly being found to defend bacteria against attack by bacteriophages – viruses that infect bacteria. Activation of toxins allows bacterial populations to go into a kind of lockdown that limits growth and therefore the spread of the virus. As such, understanding the diversity, mechanisms and evolution of these systems is critical for the eventual success of phage therapy to treat antibiotic resistance infections. – Toxin-antitoxin pairs consist of a gene encoding a toxin that dramatically inhibits bacterial growth and an adjacent gene encoding an antitoxin that counteracts the toxic effect. It is like keeping a bottle of poison on a shelf next to

a bottle of the antidote. While toxin-antitoxin pairs have been seen to evolve to associate with new toxins or antitoxins before, the scale of the neutralisation ability seen with Panacea – so called hyperpromiscuity – is unprecedented, explains researcher and group leader Gemma Alkimon at Lund University, who has led the study.

PhD student and co-first author Chayan Kumar Saha made a computer program for analysing the kinds of genes that are found next to each other in bacterial genomes. The team then used this tool to predict new antitoxin genes found next to some very potent toxins that they have previously worked on. “We were

startled by the discovery that one particular antitoxin protein fold can be found in toxin-antitoxin-like arrangements with dozens of different kinds of toxins. Many of these toxins are new to science.”

The other first author Tatsuaki Kurata, Lund University, has confirmed experimentally that several of these systems are genuine toxins neutralized by the neighbouring antitoxin genes.

The study shows that what we know so far about the diversity of toxin-antitoxin systems probably is just the tip of the iceberg, and that there could be a range of similar systems that have gone under the radar until now.



Office of the Sangguniang  
City of Tagaytay  
OFFICE OF THE SANGGUNIANG PANLUNGSOD



EXCERPTS FROM THE MINUTES OF THE 115TH REGULAR SESSION OF THE SANGGUNIANG PANLUNGSOD OF TAGAYTAY CITY HELD ON OCTOBER 11, 2021 AT THE SANGGUNIANG SESSION HALL, 3/F HALL OF JUSTICE & LEGISLATIVE BLDG., KAYBAGAL SOUTH, TAGAYTAY CITY

**CITY ORDINANCE NO. 2021-035**

**AN ORDINANCE PROHIBITING THE UNAUTHORIZED OR FRAUDULENT SALE, DISTRIBUTION OR ADMINISTRATION OF COVID-19 VACCINES OR VACCINE SLOTS, FALSIFICATION OF COVID-19 VACCINATION CARDS, AND OTHER FRAUDS IN RELATION TO COVID-19 VACCINATION AND PROVIDING PENALTIES FOR VIOLATION THEREOF AND FOR OTHER PURPOSES.**

**SPONSOR: HON. ATHENA BRYANA D. TOLENTINO**

**WHEREAS**, on March 2020, the City Council declared Tagaytay City to be under a State of Calamity due to COVID-19 pandemic;

**WHEREAS**, Section 6(e) of Republic Act No. 11332, otherwise known as "The Mandatory Reporting of Notifiable Diseases and Health Events of Public Health Concern Act" provides that local government have the authority to conduct and enforce disease surveillance and response systems, epidemic/outbreak and epidemiologic investigations, and rapid containment, quarantine and isolation, disease prevention and control measure;

**WHEREAS**, Section 6 of Republic Act No. 7160, otherwise known as the Local Government Code of 1991, granted the City the implied power to do all things necessary, appropriate or incidental to govern efficiently and effectively, [promote the general welfare, promote health and safety, maintain peace and order, and preserve the comfort and convenience of their inhabitants,

**WHEREAS**, Section 12 of Republic Act No. 11525 entitled: "An Act Establishing the Corona Virus Disease 2019 (COVID-19) Vaccination Program Expediting the Vaccine Procurement and Administration Process, Providing Funds Therefor, and for Other Purposes" states that falsification of a vaccine card shall be punishable under the Revised Penal Code;

**WHEREAS**, Section 12 of Republic Act No. 11525 further provide that the sale, advertisement, distribution, administration of COVID-19 Vaccines without a valid Emergency Use Authorization (EUA) shall be penalized based on the appropriate provisions of R.A No 9771, otherwise known as the "Food and Drug Administration Act of 1991", and other relevant, existing rules, regulations and issuance;

**WHEREAS**, all COVID-19 vaccines currently being administered only have Emergency Use Authorization and are not for commercial distribution;

**WHEREAS**, there has been reported selling of COVID-19 vaccines stolen from the allocations provided by the National Government to the local government units, tampering or falsification of vaccine cards, offering

of vaccine slots, as well as the sale, manufacture and proliferation of fake COVID-19 vaccines;

**WHEREAS**, there are reported instances of persons misrepresenting their vaccine status as non-vaccinated in order to be vaccinated again by their preferred vaccine brand;

**WHEREAS**, the Inter-Agency Task Force against COVID-19 (IATF) has allowed fully vaccinated individuals to merely show their vaccination cards for inter-zonal travel without the need of a presentation of a RT-PCR result;

**WHEREAS**, no person or organization may engage in the sale, distribution, or administration of COVID-19 vaccines for profit, while the country is in a State of Public Health Emergency and without market authorization issued by the Food and Drug Administration;

**WHEREAS**, any person or organization is prohibited to engage in the falsification of vaccine cards or offering of vaccine slots for sale.

**NOW THEREFORE, BE IT ORDAINED BY THE SANGGUNIANG PANLUNGSOD OF TAGAYTAY IN REGULAR SESSION ASSEMBLED, PHYSICALLY AND VIRTUALLY (ONLINE) THAT:**

**SECTION 1. TITLE** - This Ordinance shall be known as "An Ordinance Prohibiting COVID-19 Vaccine Fraud".

**SECTION 2. DEFINITION OF TERMS** - Whenever used in this Ordinance, the following terms shall have the respective meanings herein set forth:

- a. **Vaccine Card** - A card with corresponding control number issued by the Tagaytay City Health Office or other duly authorized entity indicating relevant information concerning a person's inoculation with a COVID-19 vaccine.
- b. **COVID-19 Vaccines** - refers to vaccines intended to provide acquired immunity against Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-COV2, the virus causing Coronavirus Disease (COVID-19).
- c. **Vaccination Slots** - for purposes of availing the COVID-19 vaccines, are those applied for by individuals and reserved by the same person who supplied his/her own personal details through the use of accepted government confirmation processes.

**SECTION 3. PROHIBITED ACTS.** - The following acts shall be penalized under this Ordinance:

1. Counterfeiting, forging, altering or imitating a vaccine card, or any information, signature, seal or feature on the same;
2. Misrepresenting any information requested by authorities in relation to vaccination, including the information indicated in the vaccine card, for purposes of obtaining undue benefits or privileges;
3. Sale, advertisement, distribution, solicitation or administration of COVID-19 vaccines for profit or commercial purposes without any authorization or permit issued by the Food and Drug Administration

or its equivalent;

4. Purchasing COVID-19 vaccines, whether from a private individual or a government official/employee, without any authority, issued by the Food and Drug Administration;
5. Sale, advertisement, distribution, solicitation or administration of fake and adulterated COVID-19 vaccines;
6. Sale of COVID-19 vaccine slot/s originally reserved to the person applying for the same to others for the purpose of substituting someone other than the original and supposed applicant;
7. Purchasing COVID-19 vaccine slot/s whether from a private individual or a government official/employee, without any authority;
8. Misrepresentation of vaccine status for purposes of fraud or deceit, including a fully-vaccinated person pretending to be unvaccinated for purposes of receiving additional unwarranted inoculations; and
9. Commission of any other deceit or fraud in relation to the Government's COVID-19 vaccination programs.

**SECTION 4. PENALTIES** – Any violation of the provisions of Section 3 of this Ordinance shall be penalized with a fine of Five Thousand Pesos (Php5,000.00) and/or imprisonment of not less than one (1) month but not more than six (6) months, or both such fine and imprisonment, at the discretion of the proper court.

If the offense is committed by a firm, partnership, corporation or other juridical entity duly organized in accordance with law, the chief executive officer, president, general manager, or such other officer in charge shall be held liable. In addition, the business permit and license to operate of the concerned firm, partnership, corporation or legal entity shall be revoked/cancelled.

This Ordinance is without prejudice to the filing of charges for violation of Republic Act No. 9771 otherwise known as the "Food and Drug Administration Act of 1991", the Revised Penal Code, and other appropriate administrative, civil, or criminal charges under applicable laws.

**SECTION 5. ENFORCEMENT.** - The City Legal Department, Business Permits and Licensing Office, the Tagaytay Office of Public Safety, Tagaytay City Component Police and Punong Barangays of Tagaytay City shall ensure the effective and efficient implementation of this Ordinance. Further, appropriate charge/s shall be immediately filed against the violator/s of this Ordinance.

**SECTION 6. SEPARABILITY CLAUSE.** - If any provision of this Ordinance is declared void or unconstitutional, the remaining portions shall not be affected and shall remain in full force and effect.

**SECTION 7. EFFECTIVITY CLAUSE.** - This Ordinance shall take effect upon posting at prominent places in Tagaytay City Hall for a minimum period of two (2) consecutive weeks and upon publication in a newspaper of general circulation within Tagaytay City, in accordance with Section 511 of R.A No. 7160, otherwise known as the Local Government Code of 1991.

ENACTED: October 11, 2021, Tagaytay City.

CERTIFIED CORRECT:

(SGD) CELSO P. DE CASTRO  
Acting Secretary to the Sanggunian

APPROVED:

(SGD) HON. AGNES D. TOLENTINO, DMD  
City Mayor

Publication: DIYARYO KABITENYO  
Date: February 14-20, 2022



Republic of the Philippines  
City of Tagaytay  
OFFICE OF THE SANGGUNIANG PANLUNGSOD



EXCERPT FROM THE MINUTES OF THE 118th REGULAR SESSION OF THE SANGGUNIANG PANLUNGSOD OF TAGAYTAY CITY HELD ON NOVEMBER 03, 2021 AT THE SANGGUNIANG SESSION HALL, 3/F HALL OF JUSTICE & LEGISLATIVE BLDG., MAHOGANY MARKET COMPLEX, KAYBAGAL SOUTH, TAGAYTAY CITY

**ORDINANCE NO. 2021-436**

**AN ORDINANCE PROHIBITING DRONE OPERATION WITHIN ONE HUNDRED FIFTY (150) METERS RADIUS FROM JAIL FACILITIES, PROVIDING PENALTIES FOR VIOLATION THEREOF AND FOR OTHER PURPOSES**

**SPONSOR: HON. REYNOSO M. ESPIRITU**

**WHEREAS**, Republic Act No. 7160 otherwise known as the Local Government Code of 1991 provides that "every local government unit shall exercise the powers expressly granted, those necessary implied therefrom, as well as powers necessary, appropriate, incidental for the efficient and effective governance, and those which are essential to the promotion of the general welfare;

**WHEREAS**, Remotely Piloted Aircraft System (RPAS) or drones, by their nature, can be used as a tool for gathering information via recording or photographs and that there is a growing use of drones today where its areas of applications have expanded overtime;

**WHEREAS**, drones could be used in transporting illegal drugs, deadly weapons, and other contraband, as well in the surveillance of jail facilities and premises, which could very well compromise the safety and security of the jail facilities;

**WHEREAS**, Under Philippine Civil Aviation Rules 11 and Civil Aviation Authority of the Philippines (CAAP) 21-14, no person may operate small UAV or RPA in a populous area. Pursuant to this rule, jails are considered populous and congested areas;

**WHEREAS**, the Bureau of Jail Management and Penology (BJMP),

pursuant to regulations issued by the Civil Aviation Authority of the Philippines (CAAP), prescribes a Standard Operating Procedure on the detection, prevention and handling of Remotely Piloted Aircraft System (RPAS) or Unmanned Aerial Vehicles (UAV), aimed at maintaining the safety and security of jail facilities of this City.

**WHEREAS**, the enactment of this ordinance will promote peace and order, enhance the physical security of the jail facilities and guarantee the safety and security of this City and the constituents;

**NOW THEREFORE, BE IT ORDAINED BY THE SANGGUNIANG PANLUNGSOD OF TAGAYTAY, IN SESSION DULY ASSEMBLED, THAT:**

**SECTION 1. Title.** This ordinance shall be known as **"AN ORDINANCE PROHIBITING DRONE OPERATIONS WITHIN 150 METERS FROM JAIL FACILITIES, PROVIDING PENALTIES FOR VIOLATION THEREOF, AND FOR OTHER PURPOSES"**

**SECTION 2. Purpose.** This ordinance is enacted to ensure and promote public health, safety and security by prohibiting the operation of drones within one hundred fifty meters (150m) from jail facilities within the territorial jurisdiction of the City of Tagaytay.

**SECTION 3. Scope.** This ordinance shall apply to all persons, who shall willfully operate drone within 150 meters radius from the jail facility located at Barangay Guinhawa North, Tagaytay City without necessary permit.

**SECTION 4. Definition of Terms.** As used in this Ordinance the following terms shall be construed to mean as follows:

- a. Drone – refers to any Unmanned Aerial Vehicle (UAV), an aircraft without a human pilot aboard, UAV's are a component of an unmanned aircraft system (UAS) which includes an UAV, a ground-based controller, and a system of communications between the two. The flight of UAV's may operate with various degree of autonomy: either under remote control by human operator or autonomous by onboard computers.
- b. Jail facilities - a place for the confinement of people accused or convicted of a crime.

**SECTION 5. Prohibited Act.** It shall be unlawful to anyone, natural or juridical to operate drone within 150 meters radius from the jail facility of Tagaytay City without necessary permit.

**SECTION 5. Implementing Agency.** The Philippine National Police (PNP) and Public Order and Security Team (POST), as well as the responsible officer in the barangay which has territorial jurisdiction over the jail facilities, together with the BJMP personnel, shall ensure the strict and faithful enforcement or implementation of this Ordinance.

The Jail Management shall cause the posting of the sign **"DRONE NO FLYZONE WITHIN 100 METERS RADIUS FROM JAIL FACILITY"** conspicuously outside of the jail facility.

**SECTION 6. Penalties.** Any drone owner/operator found to have violated

this Ordinance shall be meted the penalty of:

- a. First Offense- A fine of One Thousand Pesos (Php1,000.00);
- b. Second Offense- A fine of One Thousand Five Hundred Pesos (Php1,500.00);
- c. Third Offense- A fine of Two Thousand Five Hundred Pesos (Php2,500.00) or imprisonment for a period of more than three (3) months but not exceeding six (6) or both such fine and imprisonment at the discretion of the court.

If the violator is a juridical entity, the managing officers and other persons responsible for the violation shall be liable for the penalties prescribed in this ordinance.

**SECTION 7. Exemption.** This ordinance shall not cover law enforcement agencies, emergency management offices and those duly authorized by the LGU with coordination to the Jail Management.

**SECTION 8. Implementing Rules and Regulations (IRR).** The Philippine National Police (PNP) and Public Order and Security Team (POST), the concerned barangay which has territorial jurisdiction over the jail facilities in the City as well as the BJMP shall formulate the necessary implementing Rules and Regulations (IRR) of this Ordinance within thirty (30) days from the approval of this ordinance and the same shall immediately be transmitted to the Mayor for approval.

**8.1. Guidelines in Securing Permit for the Operation of Drone within Jail Facility**

- 8.1. Any person or group of persons who want/s to use or operate drone within or near the jail facility should first secure permit from the LGU.
- 8.1.2 Once the permit has been obtained it will be presented and furnished to the BJMP head.

**SECTION 9. Separability Clause.** If for any reason/s, any section or provisions of this Ordinance is declared void or unconstitutional, the other provisions which are not affected thereby shall be fully enforce and in effect.

**SECTION 10. Repealing Clause.** All ordinances, rules and regulations, executive orders, and administrative issuances or part/s thereof which are inconsistent with this Ordinance are hereby repealed, amended or modified accordingly.

**SECTION 11. Effectivity.** This ordinance shall take effect fifteen (15) days upon approval and posting on conspicuous places.

ENACTED: November 22, 2021

CERTIFIED CORRECT:

(SGD) CELSO P. DE CASTRO  
Acting Secretary to the Sanggunian

APPROVED :

(SGD) HON. AGNES D. TOLENTINO, DMD  
City Mayor



Republic of the Philippines  
City of Tagaytay  
OFFICE OF THE SANGGUNIANG PANLUNGSOD



EXCERPT FROM THE MINUTES OF THE 125th REGULAR SESSION OF THE SANGGUNIANG PANLUNGSOD OF TAGAYTAY CITY HELD ON JANUARY 10, 2022 AT THE SANGGUNIANG SESSION HALL, 3/F HALL OF JUSTICE & LEGISLATIVE BLDG., MAHOGANY MARKET COMPLEX, KAYBAGAL SOUTH, TAGAYTAY CITY

**CITY ORDINANCE NO. 2022-439**

**AN ORDINANCE RESTRICTING THE MOBILITY OF UNVACCINATED INDIVIDUALS, REQUIRING PRESENTATION OF VACCINATION CARD, PROVIDING PENALTIES IN VIOLATION THEREOF AND FOR OTHER PURPOSES**

**SPONSOR: HON. ATHENA BRYANA D. TOLENTINO**

**WHEREAS**, on March 09, 2020, President Rodrigo Duterte issued Proclamation No. 922, declaring the country under state of public health emergency due to the COVID-19 pandemic;

**WHEREAS**, Republic Act No. 11332 or the Mandatory Reporting of Notifiable Diseases and Health Events of Public Health Concern Act declares that it is the policy of the State "to protect and promote the right to health of the people and instill health consciousness among them" and that the State "recognizes epidemics and other public health emergencies as threats to public health and national security, which can undermine the social, economic, and political functions of the state";

**WHEREAS**, due to the rapid rise in the number of active COVID-19 cases, the Inter-Agency Task Force (IATF) for the Management of Emerging Infectious Diseases through Resolution No. 155-A dated January 03, 2022, escalated the National Capital Region and the Provinces of Cavite, Rizal, Laguna and Bulacan to Alert Level 3 for the period January 5-15, 2022;

**NOW THEREFORE, BE IT ORDAINED BY THE SANGGUNIANG PANLUNGSOD ON ITS REGULAR SESSION HELD THROUGH TELECONFERENCING, THAT:**

**Section 1.** An ordinance regulating the mobility of unvaccinated individuals and requiring presentation of vaccination card within the City of Tagaytay and providing penalties in violation thereof and for other purposes.

**Section 2.** Scope. This ordinance shall cover all individuals (residents and non-residents of Tagaytay), public and private establishments, institutions, and public transport within the City of Tagaytay.

**Section 3.** Definition of Terms. For the purpose of this Ordinance, the following terms shall mean:

*Establishments* – shall refer to public and private establishments

such as hotels, malls, condominiums, event places, resorts, restaurants, amusement and theme parks, museums, grocery stores, supermarket, and public markets.

*Institutions* – shall refer to public and private schools, colleges place of worship

*Vaccinated Individuals* – shall refer to anyone who has been vaccinated with two (2) doses of Anti Covid-19 vaccines or a single type of Anti Covid-19 vaccine.

**Section 4.** Unvaccinated and non-fully vaccinated individuals in the City of Tagaytay shall remain in their residences at all times except for the procurement of essential goods and services.

**SECTION 5. Workplace Vaccine Mandate**

- All establishments/institutions are hereby directed to require all individuals whether employees or customers to present their vaccination card before entry and shall not allow unvaccinated individuals to enter the establishment except for essential goods mentioned under IATF Resolution No. 155.
- Establishments/institutions shall require unvaccinated employees to work on-site provided that they present negative RT-PCR test results every two (2) weeks at the employee's expense.
- Vaccinated and unvaccinated employees tested positive in RT-PCR tests shall not be allowed to render on-site work until they provide a medical certificate from the City Health Office where the employee resides.

**SECTION 6.** Mandate for Public Transport. Owners or operators shall only allow fully vaccinated drivers and conductors to transport the riding public.

**SECTION 7.** Penal Clause. Violating provisions of this ordinance shall be penalized as follows:

For individuals: Reprimand violators and send home.

For establishments (the Owner or Manager of the Establishment)

First Offense:	Reprimand
Second Offense:	Two (3) days closure/suspension of operation
Third Offense:	Five (5) days closure/suspension of operation.

**SECTION 8.** Enforcement and Implementation.

a. All Barangay Officials, Public Information Office and the Tagaytay City Component Police shall:

- Cause the widest dissemination of this ordinance within the City of Tagaytay.
- Implement and monitor the implementation of the provisions of this ordinance.

- b. The Tagaytay Tourism Office and BPLO shall monitor establishments/institutions and shall send notification of violations with corresponding penalty.

**SECTION 9.** Mandate for the Barangay. The concerned Barangay shall keep a listing of households or individuals within their territorial jurisdiction whom they know are unvaccinated for COVID-19. They shall encourage, and if necessary, render assistance for those unvaccinated or non-fully vaccinated to be inoculated.

**SECTION 10.** Necessary Guidelines. The Local Chief Executive may issue the necessary guidelines, rules or regulations to implement the Ordinance, and harmonize IATF resolutions and guidelines that may later be promulgated.

**SECTION 11.** Separability Clause. If any section or part of this ordinance is held unconstitutional or invalid, the other sections or provisions not otherwise affected shall remain in full force or effect.

**SECTION 12.** Repealing Clause. All other ordinances, orders, issuances, rules and regulations, which are inconsistent with the provisions of this ordinance are hereby repealed, amended or modified accordingly.

**SECTION 13.** This ordinance shall take effect immediately and shall be in full force and effect while the City of Tagaytay is under Alert Level 3 or higher, and shall be automatically lifted once Alert Level 2 or lower is declared or another legal issuance supersedes this ordinance.

**ENACTED:** January 10, 2022 at Tagaytay City.

**CERTIFIED CORRECT:**

(SGD) CELSO P. DE CASTRO  
Acting Secretary to the Sanggunian

**APPROVED :**

(SGD) HON. AGNES D. TOLENTINO, DMD  
City Mayor

Publication : DIYARYO KABITENYO  
Date : February 14-20, 2022



Republic of the Philippines  
City of Tagaytay  
**OFFICE OF THE SANGGUNIANG PANLUNGSOD**



EXCERPT FROM THE MINUTES OF THE 125th REGULAR SESSION OF THE SANGGUNIANG PANLUNGSOD OF TAGAYTAY CITY HELD ON JANUARY 10, 2022 AT THE SANGGUNIANG SESSION HALL, 3/F HALL OF JUSTICE & LEGISLATIVE BLDG., MAHOGANY MARKET COMPLEX, KAYBAGAL SOUTH, TAGAYTAY CITY

**CITY ORDINANCE NO. 2022-440**

**AN ORDINANCE MANDATING THE TAGAYTAY CITY PNP, OFFICE OF PUBLIC SAFETY AND BARANGAY OFFICIALS TO IMPLEMENT IATF GUIDELINES AND OTHER ISSUANCES MADE BY THE LOCAL CHIEF EXECUTIVE WITH REGARD TO NON-COMPLIANCE TO HEALTH PROTOCOLS AND PREVENTION AND CONTROL OF INFECTIOUS DISEASE**

**SPONSOR: HON. REYNOSO M. ESPIRITU**

**WHEREAS**, it is the policy of the State to "protect and promote the right to health of the people and instill health consciousness among them" and that the State recognizes epidemics and other public health emergencies as threats to public health and national security, which can undermine the social, economic, and political functions of the State;

**WHEREAS**, the City Government of Tagaytay has enacted various city ordinances for the control and spread of COVID-19 and other infectious disease, and issued various guidelines and health protocols to observe base on IATF guidelines.

**WHEREAS**, there is rapid rise in the number of active COVID-19 cases thereby causing escalation in the Alert Level Classification.

**NOW THEREFORE, BE IT ORDAINED BY THE SANGGUNIANG PANLUNGSOD OF TAGAYTAY THAT:**

**SECTION 1.** This ordinance shall be known as An Ordinance Mandating the Tagaytay City PNP, Office of Public Safety and Barangay Officials to Implement IATF Guidelines and other issuances made by the Local Chief Executive with regard to Non-Compliance to Health Protocols and prevention and control of infectious disease.

**SECTION 2.** Minimum Public Health Standards and Health Protocols:

- i. Proper wearing of face mask and face shield (in recommended places)
- ii. Physical/Social distancing of at least one meter from other individuals
- iii. No face mask, no vaccination card, no entry in all establishments
- iv. Curfew hours (as provided in the Executive Orders and Memorandums issued by the Local Chief Executive).
- v. Liquor ban shall be implemented depending upon the latest executive order or memorandum issued by the Local Chief Executive
- vi. Temperature check and filling-up of contact tracing forms in all establishments.
- vii. Provision of Alcohol at the entrance of offices and establishments for the use of personnel and customers prior to entry.
- viii. Sanitation of working areas and restrooms
- ix. Isolation and quarantine for those positive and with symptoms (to be determined by the attending physician).

**SECTION 3.** Penal Clause. Anyone caught who have violated the

provisions of Section 2 shall be penalized as follows:

For individuals: Reprimand violators and send home.

For establishments (the Owner or Manager of the Establishment)

First Offense:	Reprimand
Second Offense:	Two (2) days closure/suspension of operation
Third Offense:	Five (5) days closure/suspension of operation.

**SECTION 4.** Implementation. Mandating the Tagaytay PNP, Office of Public Safety and the Barangay Captains to implement IATF guidelines and other issuances made by the Local Chief Executive with regard to non-compliance to health protocols and prevention and control of infectious disease.

The Tagaytay Tourism Office shall monitor establishment and shall send notification of violations with corresponding penalty.

**SECTION 5.** Separability Clause. If for any section or part of this ordinance is held unconstitutional or invalid, the other sections or provisions not otherwise affected shall remain in full force or effect.

**SECTION 6.** Repealing Clause. All other ordinances, orders, issuances, rules and regulations, which are inconsistent with the provisions of this ordinance are hereby repealed, amended or modified accordingly.

**SECTION 7.** This ordinance shall take effect immediately and shall be in full force until another legal issuance supersedes this ordinances.

**ENACTED:** January 10, 2022 at Tagaytay City.

**CERTIFIED CORRECT:**

(SGD) **CELSO P. DE CASTRO**  
Acting Secretary to the Sanggunian

**APPROVED :**

(SGD) **HON. AGNES D. TOLENTINO, DMD**  
City Mayor

Publication: DIYARYO KABITENYO  
Date: February 14-20, 2022



Republic of the Philippines  
City of Tagaytay  
**OFFICE OF THE SANGGUNIANG PANLUNGSOD**



EXCERPTS FROM THE MINUTES OF THE 126th REGULAR SESSION OF THE SANGGUNIANG PANLUNGSOD OF TAGAYTAY CITY HELD ON JANUARY 17, 2022 AT THE SANGGUNIANG SESSION HALL, 3/F HALL OF JUSTICE & LEGISLATIVE BLDG., KAYBAGAL SOUTH, TAGAYTAY CITY

**CITY ORDINANCE NO. 2022-441**

**AN ORDINANCE EXTENDING THE 20% DISCOUNT ON PAYMENT OF REAL PROPERTY TAXES TO MARCH 31, 2022**

**AUTHOR: HON. ATHENA BRYANA D. TOLENTINO**

**WHEREAS**, Section 2A.06, Tax Discount for Advanced and Prompt Payment of City Ordinance No. 2011-012, or the Revenue Code of the City of Tagaytay, states that "If the basic real property and additional SEF tax are paid on or before January 31, the taxpayer shall be entitled to twenty percent (20%) tax discount;"

**WHEREAS**, Section 167 of the Local Government Code states that the Sanggunian concerned may extend the time for payment of such taxes, fees or charges without surcharges or penalties for not more than six (6) months;

**WHEREAS**, the request for the extension is in view of the increase of Covid-19 cases and waiver of penalties in case of the late payment of transfer tax, professional tax and franchise tax;

**NOW THEREFORE, BE IT ORDAINED** by the Sangguniang Panlungsod of Tagaytay in session assembled that:

**SECTION 1.** Coverage. All Real Property Tax (RPT) and Special Education Fund (SEF) Tax payable to the City Government of Tagaytay due to be paid on or before January 31, 2022 can be paid not later than March 31, 2022 with 20% discount.

**SECTION 2.** The above mentioned discount shall only be granted to properties without any delinquency.

**SECTION 3.** Penalties, Surcharge and Interests. All Real Property Tax (RPT) and Special Education Fund (SEF) Tax due for the period shall however be subject to the penalties and interests prescribed by the Revenue Code of the City of Tagaytay, if not paid on or before March 31, 2022.

**SECTION 4.** Effectivity. This ordinance shall take effect immediately upon approval.

**ENACTED:** January 17, 2022 at Tagaytay City.

**CERTIFIED CORRECT:**

(SGD) **CELSO P. DE CASTRO**  
Acting Secretary to the Sanggunian

**APPROVED :**

(SGD) **HON. AGNES D. TOLENTINO, DMD**  
City Mayor

Publication: DIYARYO KABITENYO  
Date: February 14-20, 2022

**AFFIDAVIT OF SOLE ADJUDICATION**

NOTICE is hereby given that the estate of the deceased **MARIA LAARNI PAREDES SERRAON** who died single and intestate on March 21, 2017 in Imus City, Cavite, consisting of two (2) savings deposit accounts with the **BPI FAMILY BANK, Imus Public Market Branch, Imus City, Cavite** under Pass-Book Savings Account Nos. 8646271906 with a balance of P77,476.47 and 8646290447 with a balance of P25,248.77 has been self-adjudicated by her surviving heir **LILIAN F. SERRAON** and hereby requests the **BPI FAMILY BANK, Imus Public Market Branch** to release in her the entire proceeds of the said deposits, for and in consideration of the said release, she hereby expressly and absolutely renounces, releases and forever discharges the **BPI FAMILY BANK**, its administrators and assigns and/or any of its officers or employees from any and all claims, suits or actions against the said bank and she hereby undertakes to indemnify the said bank, its officers and assigns for any loss or damage which they may sustain arising out of or in connection with the release to her of the aforesaid accounts on December 3, 2021 at the City of Imus, Cavite before Notary Public Carlos Emmanuel C. Montoya and entered in his Notarial Register as Doc. No. 241, Page No. 48, Book No. XXVII, Series of 2021.

Witnessed by Affiant/Heir

Publication: **DIYARYO KABITENYO**  
Date: February 7, 14 & 21, 2022

**Genetically informed atlases reveal new landscapes in brain structure**

An international team of scientists has published findings in the February 3, 2022 online issue of *Science*. The complexity of the human brain has long eluded scientists for centuries," said first author **Carolina Makowski, PhD**, a postdoctoral fellow working with **Chi-Hua Chen, PhD**, an associate professor in the Department of Radiology at UC San Diego School of Medicine. "A large part of how our brain is shaped boils down to what is entwined in our DNA.

Republic of the Philippines  
Fourth Judicial Region  
Regional Trial Court of Cavite  
Office of the Clerk of Court & Ex-Officio Sheriff  
New Annex Bldg. 18 Road Avenue, Tagaytay South, Tagaytay City

**BPI DIRECT BANKO, INC. A SAVINGS BANK**  
FORMERLY: **BPI DIRECT SAVINGS BANK, INC.**  
Petitioner-Mortgagee

EJF NO. TG-21-848  
FOR: *Extra-judicial Foreclosure of Real Estate Mortgage under Act No. 1153 as amended by Act No. 4118*

- versus -

**SADIRI GREGORIO ODSINADA MINODIN**  
A.K.A. **SADIRI GREGORIO O. MINODIN**,  
Respondent-Mortgagee/Borrower.

X-----X

**NOTICE OF EXTRA-JUDICIAL SALE**

Upon extra-judicial foreclosure sale under Act 1153, as amended, filed by *Petitioner/Mortgagee*, **BPI DIRECT BANKO, INC., A SAVINGS BANK FORMERLY: BPI DIRECT SAVINGS BANK, INC.**, a banking corporation duly organized and existing under the laws of the Philippines, with principal office and place of business at 8F BPI Card Center, 8753 Pason de Rocas, Makati City, pursuant to the terms and conditions of the Mortgage Loan Agreement ("MORTGAGE") executed and notarized on February 3, 2012 by *Mortgagee/Borrower*, **SADIRI GREGORIO ODSINADA MINODIN A.K.A. SADIRI GREGORIO O. MINODIN**, of legal age, Filipino and with residence and postal addresses at (1) 21 R. Santos Street, BF, Resort Village, Las Pilas City, 1780 and (2) Phase 11, Bldg. 2, Lot 18, Ayala West Grove Heights, Brgy. Munting Rog, Silang, Cavite, 4118, in favor of the *Petitioner/Mortgagee*, over a real estate property including improvements thereon, described in and covered by *Transfer Certificate of Title No. 876-2012002593* of the Registry of Deeds for Tagaytay City, in order to satisfy the outstanding loan obligation of the *Mortgagee/Borrower* in the amount of **ONE MILLION SIX HUNDRED FOURTEEN THOUSAND SEVENTY TWO PESOS and 32/100 (Php1,614,072.82)**, inclusive of interest, penalties and other charges, as of November 17, 2021, the undersigned Clerk of Court & Ex-Officio Sheriff of the Regional Trial Court of Cavite thru her deputy, **Oliver I. Bocacao Jr.**, will sell at public auction on **March 21, 2022 at 10:00 o'clock in the morning or soon thereafter, at the New Hall of Justice of Tagaytay City**, to the highest bidder, for Cash or Manager's Check and in Philippine Currency, the following property with all its improvements thereon, to wit:

**TRANSFER CERTIFICATE OF TITLE**  
NO. **876-2012002593**  
Registry of Deeds for Tagaytay City

"IT IS HEREBY CERTIFIED that certain land situated in BRGY. OF MUNTING ILOG, MUN. OF SILANG, PROV. OF CAVITE, IS, OF LUZON, bounded and described as follows:

A PARCEL OF LAND (LOT 38, BLK. 2 OF THE SUBD. PLAN PSD-04-199905, BEING A PORTION OF BLK. 25, PSD-04-195183, LRC REC. NO. N-99897), SITUATED IN BRGY. OF MUNTING ILOG, MUN. OF SILANG, PROV. OF CAVITE, IS, OF LUZON, BOUNDED ON THE SE., ALONG LINE 1-2 BY LOT 37, BLK. 2; ON THE SW., & NW., ALONG LINES 2 TO 10 BY ROAD LOT 7; ON THE N.W., ALONG LINES 10 TO 14 BY RD. LOT 8; AND ON THE NE., ALONG LINES 15-17 BY LOT 39, BLK. 2 ALL OF THE SUBD. PLAN, BEGINNING AT A PT. MARKED "1" ON PLAN, BEING N. 89 DEG. 18E., 6087.35 M. FROM BLLM #1, MUN. OF SILANG, CAVITE, THENCE S. 16 DEG. 17W., 23.54 M. TO PT. 2; THENCE N. 65 DEG. 40W., 5.52 M. TO PT. 3; THENCE N. 51 DEG. 40W., 5.52

M. TO PT. 4; THENCE N. 38 DEG. 17W., 2.45 M. TO PT. 5; THENCE N. 11 DEG. 20W., 2.45 M. TO PT. 6; THENCE N. 08 DEG. 17E., 2.45 M. TO PT. 7; THENCE N. 31 DEG. 42E., 2.45 M. TO PT. 8; THENCE N. 44 DEG. 08E., 4.50 M. TO PT. 9; THENCE N. 45 DEG. 28E., 4.80 M. TO PT. 10; THENCE N. 84 DEG. 47E., 4.80 M. TO PT. 11; THENCE N. 84 DEG. 47E., 4.80 M. TO PT. 12; THENCE N. 48 DEG. 07E., 4.80 M. TO PT. 13; THENCE S. 41 DEG. 57E., 17.34 M. TO THE PT. OF BEGINNING, CONTAINING AN AREA OF FIVE HUNDRED THIRTY ONE (511) SQUARE METERS, MORE OR LESS. ALL PTS. REFERRED TO ARE INDICATED ON THE PLAN AND ARE MARKED ON THE GROUND BY PS. CYL. CONC. MARKS, 11 X 40 CMS., BEARINGS TRUE DATE OF ORIG. SURVEY, FEB. 20 TO 26, 1929 AND THAT OF THE SUBD. SURVEY, FEB. 11 TO MARCH 15, 2008 & WAS APPROVED ON APRIL 16, 2008.

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

**Owner: SADIRI GREGORIO ODSINADA MINODIN, SINGLE, OF LEGAL AGE FILIPINO**  
**Address: 21 R. SANTOS STREET, BF RESORT VILLAGE LAS PILAS CITY 1780**

In the event the public auction should not take place on the said date, it shall be held on **March 30, 2022** without further notice.

Prospective bidders or buyers are hereby enjoined to investigate and verify for themselves the **TRANSFER CERTIFICATE OF TITLE NO. 876-2012002593**, the encumbrances thereon, if any there be.

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

Tagaytay City, Philippines, February 8, 2022.

(Sgt.) **ATTY. VARRBA ANN A. VARIAS-DEMAYUGA**  
Clerk of Court & Ex-Officio Sheriff

(Sgt.) **OLIVER I. BOCACAO JR.**  
Sheriff In-Charge

**WARNING**

IT IS ABSOLUTELY PROHIBITED TO REMOVE, DEFACE OR DESTROY THIS NOTICE OF SHERIFFS SALE ON OR BEFORE THE DATE OF THE AUCTION SALE UNDER THE PENALTY OF LAW

Copy Furnished:

**BPI DIRECT BANKO, INC. A SAVINGS BANK**  
FORMERLY: **BPI DIRECT SAVINGS BANK, INC.**  
*Petitioner/Mortgagee*  
8F BPI Card Center, 8753 Pason de Rocas, Makati City

**SADIRI GREGORIO ODSINADA MINODIN A.K.A. SADIRI GREGORIO O. MINODIN**  
*Mortgagee/Borrower*  
21 R Santos Street, BF, Resort, Las Pilas City, 1780

**SADIRI GREGORIO ODSINADA MINODIN A.K.A. SADIRI GREGORIO O. MINODIN**  
*Mortgagee/Borrower*  
Phase 11, Bldg. 2, Lot 18, Ayala West Grove Heights, Brgy. Munting Rog, Silang, Cavite, 4118

Publication: **DIYARYO KABITENYO**  
Date: February 14, 21 & 28, 2022



REPUBLIC OF THE PHILIPPINES  
FOURTH JUDICIAL REGION  
REGIONAL TRIAL COURT  
BRANCH 116  
CITY OF BACOR

IN RE: PETITION FOR JUDICIAL  
RECONSTITUTION OF THE OWNER'S  
COPY OF TRANSFER CERTIFICATE OF  
TITLE NO. 877-7-44190.

LRC 8843 2020-14

PATERNIO C. REVILLA,  
Represented by  
Stela Marie G. Quoley,  
Petitioner

AMENDED  
NOTICE OF HEARING

There is a petition filed by petitioner through counsel for the Petitioner for Judicial Reconstitution of the Owner's copy of Transfer Certificate of Title No. 877-7-44190 on the grounds alleged therein.

NOTICE IS HEREBY GIVEN THAT said petition has been set for hearing on **April 18, 2022 at 8:30 in the morning**, in this Court, at which date and hour and place, any person interested is called to appear and show cause why the same should not be granted.

Let this Notice be published once a week for three (3) consecutive weeks in a newspaper of general circulation in the City and Province of Cavite.

Let a copy of this Notice and that of the Petition be furnished the Office of the Solicitor General, Makati City and the Register of Deeds of Bacor, Cavite and be posted by the Bureaus Server of this Court in three (3) conspicuous places in Bacor City where the property is located.

WITNESS THE HON. ARDEL G. ESPRITU, Presiding Judge of this Court, this 29<sup>th</sup> day of November 2021 at Bacor City, Cavite.

(Sgt.) ROSELLE ANNE B. CATIPAY  
Branch Clerk of Court

Copy Furnished:

ATTY. JOSEAN BONNIE VALEROS  
jvaleros@dfm.com

SHIELA MARIE O. QUEZON  
Bk. 14 Lot 8 Davao St., Bf. El Grande Homes  
Subdivision, Malabon 6, Bacor, Cavite

REGISTRY OF DEEDS  
Bacor City, Cavite

REGISTRY OF DEEDS  
Trece Martires, Cavite

OFFICE OF THE SOLICITOR GENERAL  
offices@psa.gov.ph

Publication: DIVARYO KABITENYO  
Date: February 14, 21 & 28, 2022

REPUBLIC OF THE PHILIPPINES  
FOURTH JUDICIAL REGION  
REGIONAL TRIAL COURT  
BRANCH 16  
CAVITE CITY

IN RE: PROBATE OF THE LAST  
WILL AND TESTAMENT OF GURNEY  
EDWARD WARD, JR.

Sp. Proc. No. N-0057

For: Probate with Letter  
For Issuance of Letters  
Testamentary

WENDELL JAMES YERZOLA WARD  
& FLORENA G. SAMALA,  
Petitioners.

NOTICE OF HEARING

A verbal petition was filed by petitioners Wendell James Yerzola Ward and Florencia G. Samala, praying that after due notice and publication: (1) a decree of probate be issued adjudging the last will and testament executed by the testator to have been duly and voluntarily executed; (2) that letter testamentary be issued to letters petitioners or executor; and (3) that after due probate, the petitioners be allowed and authorized to distribute the estate accordingly.

It appearing that said Petition is sufficient in form and substance, the hearing of this petition is set on **March 23, 2022 at 1:30 in the afternoon**, on which date, hour and place, interested parties may appear and show cause why the same should not be granted.

Let this Notice be published once a week for three (3) consecutive weeks in a newspaper of general circulation within the Province and the City of Cavite.

Furnish the Office of the Solicitor General and the petitioners with copies of this Notice and Petition.

WITNESS the Honorable Ethel R. Andros-Malabanan, Presiding Judge of this Court, this 1<sup>st</sup> day of February 2022.

(Sgt.) DEANNE LIZ A. NGO  
Assisting Judge

Publication: DIVARYO KABITENYO  
Date: February 14, 21 & 28, 2022

Republic of the Philippines  
Province of Cavite  
Municipality of Alifan

OFFICE OF THE MUNICIPAL CIVIL REGISTRAR

Publication Notice  
R.A. 10172

NOTICE TO THE PUBLIC

Date: February 9, 2022

CEN-001-2022  
CCTI-0005-2022 R.A. 10172

In Compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2012-1 Guidelines in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that **JESUSITA MODICA ROSANES** has filed with this office, a petition for change of first name from **JESUSITO** to **JESUSITA**, correction of error in Sex from **MALE** to **FEMALE** and correction of Date of Birth from **JANUARY 15, 1970** to **JANUARY 2, 1970** in the certificate of Live Birth of **JESUSITO MOJICA RAJALFONSO, CAVITE** and whose parents are **BENIGNO MOJICA** and **BENITA MAELLA**.

Any person adversely affected by said petition may file his written opposition with this office not later than **February 28, 2022**.

(Sgt.) TERESITA A. GALANG  
Civil Registrar

DIVARYO KABITENYO - February 14 & 21, 2022

Republic of the Philippines  
OFFICE OF THE CITY  
CIVIL REGISTRAR  
City of General Trias, Cavite  
(048) 509-5014

NOTICE OF PUBLICATION

In compliance with Section 5 of R.A. 9048, notice is hereby served to the public that **MA. ELENA PUNONGBAYAN SACLOLO** has filed with this Office a petition for Change of First Name from **MARIA ELENA** to **MA. ELENA** in the birth certificate of **MARIA ELENA FENUS PUNONGBAYAN** who was born on 16 November 1969 at General Trias, Cavite and whose parents are **Andrey Punongbayan and Candida Penar**.

Any person adversely affected by said petition may file his/her written opposition to this Office not later than **February 28, 2022**.

(Sgt.) ARLENE E. BUGTONG  
City Civil Registrar

DIVARYO KABITENYO - February 14 & 21, 2022

### Clearance of protein linked to Alzheimer's controlled by circadian cycle

The brain's ability to clear a protein closely linked to Alzheimer's disease is tied to our circadian cycle, according to research published February 10, 2022 in PLOS Genetics. The research underscores the importance of healthy

sleep habits in preventing the protein Amyloid-Beta 42 (AB42) from forming clumps in the brain, and opens a path to potential Alzheimer's therapies. "Circadian regulation of immune cells plays a role in the intricate relationship between the circadian clock and Alzheimer's disease," said Jennifer Hurley, an expert in circadian rhythms, and associate professor of biological science at Rensselaer Polytechnic Institute. "This tells us a healthy sleep pattern might be important to alleviate some of the symptoms in Alzheimer's disease, and this beneficial effect might be imparted by an immune cell type called macrophages/microglia." The research was conducted at the Rensselaer

Center for Biotechnology and Interdisciplinary Studies, which has a focus on neurodegenerative disease. Dr. Hurley worked with Rensselaer professors Robert Linhardt, a glycans expert and inventor of synthetic heparin, and Chunyu Wang, whose ongoing research has detailed several mechanisms in the production and spread of proteins implicated in Alzheimer's.



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

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

**GRACIANO CREENCIA DEL ROSARIO**  
 CPN-0081-2022

**WILFREDO C. DEL ROSARIO**  
 Petitioner

**NOTICE OF PUBLICATION**

There is a petition filed for the change of first name in Certificate of Live Birth (CECPA) of **GRACIANO CREENCIA DEL ROSARIO** from "**GRACIANO**" to "**WILFREDO**".

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

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

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

DIYARVO KABITENYO - February 14 & 21, 2022

Republic of the Philippines  
 Province of Cavite  
 Municipality of Maragondon  
 -o-o-  
 Office of the Municipal Civil Registrar

**NOTICE TO THE PUBLIC**  
 Date: February 2, 2022

**CPN-001-2022**

In Compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1, Guidelines in the Implementation of the Administrative Order No. 1, Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that the Name of Document Owner has filed with this Office, a petition for CHANGE OF FIRST NAME from "**VIOLETA**" to "**ALMA**", in the certificate of live birth of **VIOLETA YIRAY ANGELITUR** who was born on **JANUARY 31, 1993** at **Maragondon, Cavite** and whose parents are **CELEDOSTOMO MANALO ANGELITUR** and **AVELINA LAMANDAL VIRAY**.

Any person adversely affected by said petition may file his written opposition with this Office not later than **February 28, 2022**.

(Sgt.) **LEONORA V. LOYOLA**  
 Municipal Civil Registrar

DIYARVO KABITENYO - February 14 & 21, 2022

Republic of the Philippines  
 Province of Cavite  
**OFFICE OF THE CITY CIVIL REGISTRAR**  
 Trece Martines 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 (IRR on R.A. 10172), Notice is hereby served to the public that **LINGTONGY L. FERRER** has filed with this Office a Petition for Correction of Entry in the Child's sex from "**FEMALE**" to "**MALE**" in the Certificate of Live Birth of **RAZEL MAGBANUA FERRER** born on **OCTOBER 11, 2014** at **Trece Martines City, Cavite** and whose parents are **LINGTONGY LEACHON FERRER** and **ROSIE TONGOG MAGBANUA**.

Any person adversely affected by said petition may file his/her written opposition with this office not later than **February 28, 2022**.

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

DIYARVO KABITENYO - February 14 & 21, 2022

Republic of the Philippines  
 Province of Cavite  
 Municipality of Maragondon  
 -o-o-  
 Office of the Municipal Civil Registrar

**NOTICE TO THE PUBLIC**  
 Date: JANUARY 31, 2022

**CPN-010-BA 10172**

In Compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1, Guidelines in the Implementation of the Administrative Order No. 1, Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that the Name of Document Owner has filed with this Office, a petition for CHANGE OF GENDER/SEX from "**FEMALE**" to "**MALE**", in the certificate of live birth of **HOMAR MOJICA PATTON** who was born on **February 19, 1994** at **Maragondon, Cavite** and whose parents are **Domingo Patton** and **Editha Mojica**.

Any person adversely affected by said petition may file his written opposition with this Office not later than **February 28, 2022**.

(Sgt.) **LEONORA V. LOYOLA**  
 Municipal Civil Registrar

DIYARVO KABITENYO - February 14 & 21, 2022

REPUBLIC OF THE PHILIPPINES  
 PROVINCE OF CAVITE  
**MUNICIPALITY OF MENDEZ-NUSEZ**  
**OFFICE OF THE LOCAL CIVIL REGISTRAR**

In the matter of Change of First Name  
 Certificate of Live Birth of **SELISA P. ATLAS**

**CPN 90061-2022 RA 9048**

**EMELITA A. JUBILO**  
 Petitioner

**NOTICE OF PUBLICATION**

There is a petition for the Change of First Name of **SELISA P. ATLAS** from **NELISA** to **EMELITA** who was born on **NOVEMBER 23, 1962** at **MENDEZ, CAVITE** and whose parents are **RICARTE A. ATLAS** and **LEONISA P. PELI**.

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

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

(Sgt.) **REYNALDO E. BACOS**  
 Municipal Civil Registrar

DIYARVO KABITENYO - February 14 & 21, 2022

survival. of bioengineering and cellular and molecular medicine at UC San Diego, saw something highly unusual about these mutations that warranted further study. "We typically see somatic mutations occurring randomly across the genome. But when we looked closer at some of these mutations, we saw that they were occurring in these hotspots. It's like throwing balls on the floor and then suddenly seeing them cluster in a single space," said Alexandrov. "So we couldn't help but wonder: What is happening here? Why are there hotspots? Are they clinically relevant?

The findings are reported in a paper published Feb. 9 in Nature. The work sheds light on a class of mutations called clustered somatic mutations -- clustered meaning they group together at specific areas in a cell's genome, and somatic by internal and external factors such as aging or exposure to UV radiation, for example.

Clustered somatic mutations have so far been an understudied area in cancer development. But researchers in the lab of Ludmil Alexandrov, a professor

## Mapping mutation 'hotspots' in cancer reveals new drivers and biomarkers

Researchers led by Diego Alexandrov, a professor of bioengineers at the University of California San Diego, have identified and characterized a previously unrecognized

key player in cancer evolution: clusters of mutations occurring at certain regions of the genome. The researchers found that these mutation clusters contribute to the progression of about 10% of human cancers and can be used to predict patient



## Calorie restriction trial reveals key factors in extending human health

Decades of research has shown that limits on calorie intake by flies, worms, and mice can enhance life span in laboratory conditions. But whether such calorie restriction can do the same for humans remains unclear. Now a new study led by Yale researchers confirms the health benefits of moderate calorie restrictions in humans – and identifies a key protein that could be harnessed to extend health in humans.

The findings were published Feb. 10 in Science.

The research was based on results from the Comprehensive Assessment of Long-term Effects of Reducing Intake of Energy (CALERIE) clinical trial, the first controlled study of

calorie restriction in healthy humans. For the trial, researchers first established baseline calorie intake among more than 200 study participants. The researchers then asked a share of those participants to reduce their calorie intake by 14% while the rest continued to eat as usual, and analyzed the long-term health effects of calorie restriction over the next two years.

The overall aim of the clinical trial was to see if calorie restriction is as beneficial for humans as it is for lab animals, said Vishwa Deep Dixit, the Waldemar Von Zedtwitz Professor of Pathology, Immunobiology, and Comparative Medicine, and senior author of the study. And if it is, he said, researchers wanted to

better understand what calorie restriction does to the body specifically that leads to improved health.

Since previous research has shown that calorie restriction in mice can increase infections, Dixit also wanted to determine how calorie restriction might be linked to inflammation and the immune response.

"Because we know that chronic low-grade inflammation in humans is a major trigger of many chronic diseases and, therefore, has a negative effect on life span," said Dixit, who is also director of the Yale Center for Research on Aging. "Here we're asking: What is calorie restriction doing to the immune and metabolic systems and if it is indeed beneficial, how

can we harness the endogenous pathways that mimic its effects in humans?"

Dixit and his team started by analyzing the thymus, a gland that sits above the heart and produces T cells, a type of white blood cell and an essential part of the immune system. The thymus ages at a faster rate than other organs. By the time healthy adults reach the age of 40, said Dixit, 70% of the thymus is already fatty and nonfunctional. And as it ages, the thymus produces fewer T cells.

"As we get older, we begin to feel the absence of new T cells because the ones we have left aren't great at fighting new pathogens," said Dixit. "That's one of the reasons why elderly people are at greater risk for illness."

For the study, the research team used magnetic resonance imaging (MRI) to

determine if there were functional differences between the thymus glands of those who were restricting calories and those who were not. They found that the thymus glands in participants with limited calorie intake had less fat and greater functional volume after two years of calorie restriction, meaning they were producing more T cells than they were at the start of the study. But participants who weren't restricting their calories had no change in functional volume.

"The fact that this organ can be rejuvenated is, in my view, stunning because there is very little evidence of that

happening in humans," said Dixit. "That this is even possible is very exciting."

With such a dramatic effect on the thymus, Dixit and his colleagues expected to also find effects on the immune cells that the thymus was producing, changes that might underlie the overall benefits of calorie restriction. But when they sequenced the genes in those cells, they found there were no changes in gene expression after two years of calorie restriction.

This observation required the researchers to take a closer look, which revealed a surprising finding: "It turns out that the action was really in the tissue microenvironment not the blood T cells," Dixit said.

## Mitochondria efficiently adapt to changing metabolic conditions

A recent study explains an essential component for proper mitochondrial function: The protein complexes MICOS and ATP synthase can communicate with each other. Dr. Heike Rampelt and Prof. Dr. Nikolaus Pfanner at the Institute of Biochemistry and Molecular Biology of the University of Freiburg have uncovered an important mechanism that ensures efficient metabolic adaptation of mitochondria. The research is a collaboration with the groups of Prof. Dr. Martin van der Laan of Saarland University, Prof. Dr. Claudine Kraft of the University of Freiburg and Prof. Dr. Ida van der Klei of the University Groningen / Netherlands and combines biochemical approaches with fluorescence microscopy of living cells as well as electron microscopy to visualize mitochondrial membrane architecture. The study has been published in the journal Cell Reports.

Mitochondria, the powerplants of the cell, make massive contributions to the energy supply of the body by burning metabolites with the help of oxygen. This cellular respiration takes place in the inner of the two mitochondrial membranes that, in contrast to the outer membrane, is strongly folded. The structure and topology of these membrane folds, the so-called cristae membranes, has profound influence on the efficiency of respiration and is important for many mitochondrial functions. For this reason, cristae architecture is controlled precisely and adapted dynamically to changes in cellular metabolism.

Defects in these processes result in severe human diseases. Two protein complexes in the inner mitochondrial membrane that are required for a normal membrane architecture are the F1Fo-ATP synthase, an enzyme that also participates in energy conversion, and the MICOS complex (mitochondrial contact site and cristae organizing system). These complexes are regarded as antagonists; they are localized in different areas of the inner membrane and bend the membrane in opposite directions. It was unclear how the functions of these two protein complexes can be coordinated with each other. The team around Rampelt and Pfanner now demonstrate that MICOS and ATP synthase communicate with each other and that this

is vital for healthy mitochondrial function. A MICOS subunit, Mic10, travels to the ATP synthase and stabilizes the association of several ATP synthases to large complexes. This new regulatory function of Mic10 is pivotal for efficient metabolic adaptation and respiratory growth. "Communication between the two complexes is likely key to the coordinated biogenesis of the inner mitochondrial membrane," explains Rampelt.

Heike Rampelt, Nikolaus Pfanner and Claudine Kraft lead research groups at the Institute of Biochemistry and Molecular Biology of the Medical Faculty and perform research in the Excellence Cluster CIBSS of the University Freiburg in the area of biological signalling studies.

## Harvesting baker's yeast for aging-related therapeutics

Around the world, more people are growing older. According to the World Health Organisation, 1 in 6 people in the world will be aged 60 years or over by 2030. By 2050, the world's population of people aged 60 years and older will double to 2.1 billion. The number of persons aged 80 years or older is expected to triple between 2020 and 2050 to reach 426 million.

In line with the growing number of seniors, the number of people living with age-related diseases such as dementia, including Alzheimer's Disease and Parkinson's Disease is also expected to increase exponentially. These age-related diseases are an emerging impediment to healthy and functional aging.

A class of medicine used in the treatment of neuro-cognitive diseases and other neurological ailments (migraines, headaches, etc) are currently obtained from extracts of the ergot fungus. However, continued cultivation of the ergot fungus for medicine is not sustainable as industrial agriculture is one of the largest contributors to carbon emissions worldwide.

To meet the global demand for such medication, between 10-15 tons of D-lysergic acid (DLA), an ingredient used in producing the medicine, are produced each year. The ergot fungi are parasites on cereal crops such as rye, and their cultivation entails growing them on top of fields of such crops that could otherwise be used for food production.

# In a first for 'sonogenetics,' researchers control mammalian cells with sound

Salk scientists have engineered mammalian cells to be activated using ultrasound. The method, which the team used to activate human cells in a dish and brain cells inside living mice, paves the way toward non-invasive versions of deep brain stimulation, pacemakers and insulin pumps. The findings were published in *Nature Communications* on February 9, 2022.

"Going wireless is the future for just about everything," says senior author Sreekanth Chalasani, an associate professor in Salk's Molecular Neurobiology Laboratory.

"We already know that ultrasound is safe, and that it can go through bone, muscle and other tissues, making it the ultimate tool

for manipulating cells deep in the body."

About a decade ago, Chalasani pioneered the idea of using ultrasonic waves to stimulate specific groups of genetically marked cells, and coined the term "sonogenetics" to describe it.

In 2015, his group showed that in the roundworm *Caenorhabditis elegans*, a protein called TRP-4 makes cells sensitive to low-frequency ultrasound.

When the researchers added TRP-4 to *C. elegans* neurons that didn't usually have it, they could activate these cells with a burst of ultrasound -- the same sound waves used in medical sonograms.

When the researchers tried adding TRP-4 to mammalian cells,

however, the protein was not able to make the cells respond to ultrasound. A few mammalian proteins were reported to be ultrasound-sensitive, but none seemed ideal for clinical use. So Chalasani and his colleagues set out to search for a new mammalian protein that made cells highly ultrasound sensitive at 7 MHz, considered an optimal and safe frequency.

"Our approach was different than previous screens because we set out to look for ultrasound-sensitive channels in a comprehensive way," says Yusuf Tufail, a former project scientist at Salk and a co-first author of the new paper.

The researchers added hundreds of different proteins, one

at a time, to a common human research cell line (HEK), which does not usually respond to ultrasound. Then, they put each cell culture under a setup that let them monitor changes to the cells upon ultrasound stimulation.

After screening proteins for more than a year, and working their way through nearly 300 candidates, the scientists finally found one that made the HEK cells sensitive to the 7 MHz ultrasound frequency. TRPA1, a channel protein, was known to let cells respond to the presence of noxious compounds and to activate a range of cells in the human body, including brain and heart cells.

But Chalasani's team discovered that the

channel also opened in response to ultrasound in HEK cells.

"We were really surprised," says co-first author of the paper Marc Duque, a Salk exchange student. "TRPA1 has been well-studied in the literature but hasn't been described as a classical mechanosensitive protein that you'd expect to respond to ultrasound."

To test whether the channel could activate other cell types in response to ultrasound, the team used a gene therapy approach to add the genes for human TRPA1 to a specific group of neurons in the brains of living mice. When they then administered ultrasound to the mice, only the neurons with the TRPA1 genes were activated.

Clinicians treating

conditions including Parkinson's disease and epilepsy currently use deep brain stimulation,

which involves surgically implanting electrodes in the brain, to activate certain subsets of neurons. Chalasani says that sonogenetics could one day replace this approach -- the next step would be developing a gene therapy delivery method that can cross the blood-brain barrier, something that is already being studied.

Perhaps sooner, he says, sonogenetics could be used to activate cells in the heart, as a kind of pacemaker that requires no implantation. "Gene delivery techniques already exist for getting a new gene -- such as TRPA1 -- into the human heart," Chalasani says.

## Words are needed to think about numbers, study suggests

Among many of tasks that require enable new conceptual matching numbers of abilities," says Gibson, who live in a remote subjects, but only up to one of the authors of the region of the Bolivian the highest number that new study. rainforest, numbers do they could count to. Berkeley postdoc not play an important. The results suggest Benjamin Pitt is the role in their lives, and that in order to represent lead author of the people living in this an exact quantity larger paper, which appears society vary widely than four, people may February 8, 2022 in in how high they can need to have a word Psychological Science. count. for that number, says Steven Piantadosi, an A new study from Edward Gibson, an assistant professor of MIT and the University MIT professor of brain psychology at Berkeley, of California at and cognitive sciences. is the senior author of Berkeley has found a "This finding the study. relationship between provides the clearest The Tsimane' are a the counting ability of evidence to date that farming and foraging Tsimane' individuals number words play society of about 13,000 and their success at a functional role people in the Amazonian matching tasks that in people's ability rainforest. Most Tsimane' involve numbers to represent exact children start going to up to about 25. The quantities larger than school around age 5, researchers found that four, and supports but education levels and most subjects could the broader claim counting ability vary accurately perform that language can considerably.

## Study in mice shows potential for gene-editing to tackle mitochondrial disorders

Defective mitochondria -- the 'batteries' that power the cells of our bodies -- could in future be repaired using gene-editing techniques. Scientists at the University of Cambridge have shown that it is possible to modify the mitochondrial genome in live mice, paving the way for new treatments for incurable mitochondrial disorders.

Our cells contain mitochondria, which provide the energy for our cells to function. Each of these mitochondria is coded for by a tiny amount of mitochondrial DNA. Mitochondrial DNA makes up only 0.1% of the overall human genome and is passed down exclusively from mother to child.

Faults in our mitochondrial DNA can affect how well the mitochondria operate, leading to mitochondrial diseases, serious and often fatal conditions that affect around 1 in 5,000 people. The diseases are incurable and largely untreatable.

There are typically around 1,000 copies of mitochondrial DNA in each cell, and the percentage of these that are damaged, or mutated, will determine whether a person will suffer from mitochondrial disease or not. Usually, more than 60% of the mitochondria in a cell need to be faulty for the disease to emerge, and the more defective mitochondria a person has, the more severe their disease will be. If the percentage of defective DNA could be reduced, the disease could potentially be treated.

A cell that contains a mixture of healthy and faulty mitochondrial DNA is described as 'heteroplasmic'. If a cell contains no healthy mitochondrial DNA, it is 'homoplasmic' leading to mitochondrial diseases, serious and often fatal conditions that affect around 1 in 5,000 people. The Cambridge team applied an experimental gene therapy treatment in mice and were able to successfully target and eliminate the damaged mitochondrial DNA in heteroplasmic cells, allowing mitochondria with healthy DNA to take their place.

"Our earlier approach was very promising and was the first time that anyone had been able to alter mitochondrial DNA in a live animal," explained Dr Michal Minczuk. "But it would only work in cells with enough healthy mitochondrial DNA to copy themselves and replace the faulty ones that had been removed. It would not work in cells whose entire mitochondria had faulty DNA."

In their latest advance, published February 8, 2022 in Nature Communications, Dr Minczuk and colleagues used a biological tool known as a mitochondrial base editor from the MRC Mitochondrial Biology Unit to edit the mitochondrial DNA of live mice.