

DR. MARIA CORAZON ABOGADO DE UNGRIA

University Researcher V
DOST-CSC Career Scientist IV



■ PUBLICATIONS

- De Ungria MCA** and Jimenez EB. 2022. Genetic Research with Indigenous Cultural Communities/Indigenous Peoples in the Philippines. *Philippine Journal of Applied Health Sciences*. (accepted).
- De Ungria MCA**, Jimenez EB, Espigar ARME and Mijares, ASB. 2022. Challenges in Population Sampling for Genetic Research in the Philippines: A Case Report. *Philippine Journal of Applied Health Sciences*. (accepted).
- Rodriguez JRB, Cuales JMD, Herrera MJB, Zubiri LAM, Muallil RN, Ishmael AI, Jimenez EB, Stoneking M and **De Ungria MCA**. 2022. Ethical Challenges in Genetic Research among Philippine Indigenous Peoples in Zamboanga and the Sulu Archipelago. *Frontiers in Genetics*. 13:1-13
- De Ungria MCA**, Dalet MRM, Sagum MS, Tan MP and Madrid BJ. 2022. The Development of a Local Sexual Assault Investigation Kit: The Philippine Experience. *Acta Medica Philippina*. 56(15):30-39.
- Calacal GC, Delfin FC and **De Ungria MCA**. 2022. A Retrospective Look on the Use of DNA Evidence in a Sexual Assault Investigation in the Philippines. *Acta Medica Philippina*. 56(15):119-124.
- Smith A, **De Ungria MCA**, Jose JM and Liebrezn M. 2022. The 2022 Philippine election, mental health and the “war on drugs.” *Drug and Alcohol Review*. DOI: 10.1111/dar.13521.
- de Castro AE and **De Ungria MCA**. 2022. Methods used in Microbial Forensics and Epidemiological Investigations for Stronger Health Systems. *Forensic Science Research*. 1-12. DOI: 10.1080/20961790.2021.2023272.
- Fortajada EB, Fontanilla IKH and **De Ungria MCA**. 2021. Incorporating Animal Forensics in Routine Meat Inspection in the Philippines. *Forensic Science International: Animal and Environments*. 1:100020.
- Carascal MB, Fontanilla IKH and **De Ungria MCA**. 2021. The Ibaloi Fire Mummies: The Art and Science of Mummification in the Philippines. *Anthropological Science Journal*. 129(2):197-202. UP International Publication Award.
- Jose JM and **De Ungria MCA**. 2021. Death in the Time of Covid-19: Efforts to Restore the Death Penalty in the Philippines. *Forensic Science International: Mind and the Law*. 2:100054.
- Jose JM and **De Ungria MCA**. 2021. Bringing the science back into forensic science in death investigations in the Philippines during the COVID-19 pandemic. *Forensic Science International: Reports*. 3:100185.

- Rodriguez JJBR, Laude RP and **De Ungria MCA**. 2021. An Integrated System for Forensic DNA Testing of Sexual Assault Cases in the Philippines. *Forensic Science International: Synergy*. 3:100133. UP International Publication Award.
- Calacal GC, Gallardo BG, Apaga DLT and **De Ungria MCA**. 2021. Improved autosomal STR typing of degraded femur samples extracted using a custom demineralization buffer and DNA IQ™. *Forensic Science International: Synergy*. 3:100131. UP International Publication Award.
- De Ungria MCA**. 2020. Forensic DNA Testing during the SARS-CoV-2 Pandemic. *Forensic Science International: Genetics* 48:102346. UP International Publication Award.
- De Ungria MCA**. 2020. The Innocents Project Philippines Network. The ISHI Report. <https://promega.foleon.com/theishireport/may-2020/the-innocents-project-philippines/>.
- De Ungria MCA** and Jose JM. 2020. The war on drugs, forensic science, and the death penalty in the Philippines. *Forensic Science International: Synergy*. 2:32-34. UP International Publication Award.
- Salvador JM, Rodriguez JJRB, Carandang LCDL, Agamata AB, Honrado MLD, Delfin FC and **De Ungria MCA**. 2019. Filipino DNA variation at 36 Y-chromosome short tandem repeat (STR) marker units. *Philippine Journal of Science*. 148(S1):43-52. UP International Publication Award.
- Rodriguez JJBR, Calacal GC, Laude RP and **De Ungria MCA**. 2019. Integrating presumptive and confirmatory semen tests into DNA profiling of sexual assault evidence: A Philippine example. *Egyptian Journal of Forensic Sciences* 9(45): 1-11. UP International Publication Award.
- Rodriguez JJBR, Bright J, Salvador JM, Laude RP and **De Ungria MCA**. 2019. Likelihood ratios of two-person DNA mixtures interpreted using semi- and fully continuous systems. *Data in Brief* 26(104455):1-10. UP International Publication Award.
- Go MC and **De Ungria MCA**. 2019. Forensic science and the Philippines' war on drugs. *Forensic Science International: Synergy*. 1:288-289. UP International Publication Award.
- Rodriguez JJBR, Bright J, Salvador JM, Laude RP and **De Ungria MCA**. 2019. Probabilistic approaches to interpreting two-person DNA mixtures from post-coital specimens. *Forensic Science International*. 300: 157-163. UP International Publication Award.
- Soliven NJA, Honrado MLDH, Calacal GC and **De Ungria MCA**. 2019. "Pee value": Storing Urine for subsequent DNA analysis. *Science Diliman*. 31(1):54-68.
- Sales PRL, Ferrer DEC, Calacal GC, Salvador JM and **De Ungria MCA**. 2019. Validation of Two Extraction Methods for Human DNA from Cigarette Butts. *Science Diliman*. 31(1):25-36.
- De Ungria MCA**. 2018. Validation of DNA Mixture Protocols: How Many is Enough? *AFSN Forensic Asia*. 8:46-47.
- Salvador JM, Apaga DLT, Delfin FC, Calacal GC, Dennis SE and **De Ungria MCA**. 2018. Filipino DNA variation at 12 X-chromosome short tandem repeat markers. *Forensic Science International: Genetics*. 36: e8-e12. UP International Publication Award.
- Calacal GC, Salvador JM, Sagum MS, Fortun RdR and **De Ungria MCA**. 2018. Pathology and DNA analysis of exhumed remains three years post-mortem. *Philippine Journal of Science*. 147(1):9-16. UP International Publication Award.

- Apaga DL, Salvador JM, Dennis SE, Calacal GC, and **De Ungria MCA**. 2017. Comparison of Two Massively Parallel Sequencing Platforms using 83 Single Nucleotide Polymorphisms for Human Identification. *Scientific Reports* 7(398):1-6. UP International Publication Award.
- Rodriguez JJRB, Calacal GC, Laude, RP and **De Ungria MCA**. 2017. Non-differential DNA extraction of post-coital samples submitted as evidence for investigating sexual assault cases in the Philippines. *Philippine Science Letters* 10(1):14-21.
- Calacal GC, Apaga DL, Salvador JM, Jimenez JA, Lagat LJ, Villacorta RP, Lim MC, Fortun RD, Datar FA and **De Ungria MCA**. 2015. Comparing different post-mortem human samples as DNA sources for downstream genotyping and identification. *Forensic Sci Int* 19:212-220. UP International Publication Award.
- Rodriguez JJRB, Salvador JM, Calacal GC, Laude, RP and **De Ungria MCA**. 2015. Allele frequencies of 23 autosomal short tandem repeat loci in the Philippine population. *Legal Medicine* 17(4):295-297.
- Ballantyne KN, Ralf A, Aboukhalid R, Achakzai NM, Anjos MJ, Ayub Q, Balazic J, Ballantyne J, Ballard DJ, Berger B, Bobillo C, Bouabdellah M, Burri H, Capal T, Caratti S, Cardenas J, Cartault F, Carvalho EF, Carvalho M, Cheng B, Coble MD, Comas D, Corach D, D'Amato ME, Davison S, de Knijff P, **De Ungria MCA**, Decorte R, Dobosz T, Dupuy BM, Elmrghni S, Gliwinski M, Gomes SC, Grol L, Haas C, Hanson E, Henke J, Henke L, Herrera-Rodriguez F, Hill CR, Holmlund G, Honda, K, Immel UD, Inokuchi S, Jobling MA, Kaddura M, Kim JS, Kim H, Kim W, King TE, Klausriegler E, Kling D, Kovacevic L, Kovatsi L, Krajewski P, Kravchenko S, Larmuseau MH, Lee EY, Lessig R, Livshits LA, Marjanovic D, Minarik M, Mizuno N, Moreira H, Morling N, Mukherjee M, Munier P, Petlach M, Phillips C, Ploski R, Prasad SP, Primorac D, Purnomo GA, Purps J, Rangel-Villalobos H, Rebala K, Rerkamnuaychoke B, Gonzalez DR, Robino C, Roewer L, Rosa A, Sajantila A, Sala A, Salvador JM, Sanz P, Schmitt C, Sharma AK, Silva DA, Shin KJ, Sijen T, Sirker M, Sivakova D, Skaro V, Solano-Matamoros C, Souto L, Stenzl V, Sudoyo H, Court DS, Tagliabracci A, Taylor D, Tillmar A, Tsybovsky IS, Tyler-Smith C, van der Gaag KJ, Vanek D, Volgyi A, Ward D, Willemse P, Yap EP, Yong RY, Pajnic IZ and Kayser, M. 2014. Towards male individualization with rapidly mutating Y-chromosomal STRs. *Human Mutation* 35(8)1021-1032.
- Purps J, Siegert S, Willuweit S, Nagy M, Alves C, Salazar R, Angustia SMT, Santos LH, Anslinger K, Bayer B, Ayub Q, Wei W, Xue Y, Tyler-Smith C, Bafalluy MB, Mart nez Jarreta B, Egyed B, Balitzki B, Tschumi S, Ballard D, Court DS, Barrantes X, B rner G, Wiest T, Berger B, Niederstatter H, Parson W, Davis C, Budowle B, Burri H, Borer U, Koller C, Carvalho EF, Domingues PM, Chamoun WT, Coble MD, Hill CR, Corach D, Caputo M, D  Amato ME, Davison S, Decorte R, Larmuseau MHD, Ottoni C, Rickards O, Lu D, Jiang C, Dobosz T, Jonkisz A, Frank WE, Furac I, Gehrig C, Castella V, Grskovic B, Haas C, Wobst J, Hadzic G, Drobnic K, Honda K, Hou Y, Zhou D, Li Y, Hu S, Chen S, Immel UD, Lessig R, Jakovski Z, Ilievska T, Klann AE, Garca CC, de Knijff P, Kraaijenbrink T, Kondili A, Miniati P, Vouropoulou M, Kovacevic L, Marjanovic D, Lindner I, Mansour I, Al-Azem M, Andari AE, Marino M, Furfuro S, Locarno, L, Mart n P, Luque GM, Alonso A, Miranda LS, Moreira H, Mizuno N, Iwashima Y, Neto R, Nogueira TLS, Silva R, Nastainczyk-Wulf M, Edelmann J, Kohl M, Nie S, Wang X, Cheng B, N yez C, Pancorbo MM, Morling N, Onofri, V. Tagliabracci A, Pamjav H, Volgyi A, Barany G, Pawlowski R, Maciejewska A, Pelotti S, Pepinski W, Abreu-Glowacka M, Phillips C, C rdenas J, Rey-Gonzalez D, Salas A,

- Brisighelli F, Capelli C, Toscanini U, Piccinini A, Piglionica M, Baldassarra SL, Ploski R, Konarzewska M, Jastrzebska E, Robino C, Sajantila A, Palo JU, Guevara E, Salvador J, **De Ungria MCA**, Rodriguez JJR, Schmidt U, Schlauderer N, Saukko P, Schneider PM, Sirker M, Shin KJ, Oh YN, Skitsa I, Ampati A, Smith TG, Calvit LS, Stenzl V, Capal T, Tillmar A, Nilsson H, Turrina S, De Leo D, Verzeletti A, Cortellini V, Wetton JH, Gwynne GM, Jobling MA, Whittle MR, Sumita DR, Wolaska-Nowak P, Yong RYY, Krawczak M, Nothnagel, M and Roewer L. 2014. A global analysis of Y-chromosomal haplotype diversity for 23 STR loci. *Forensic Science International: Genetics* 12:12-23.
- Delfin FC, Min-Shan Ko A, Li M, Gunnarsdóttir ED, Tabbada KA, Salvador JM, Calacal GC, Sagum MS, Datar FA, Padilla SG, **De Ungria MCA** and Stoneking M. 2014. Complete mtDNA genomes of Filipino ethnolinguistic groups: a melting pot of recent and ancient lineages in the Asia-Pacific region. *European Journal of Human Genetics*. 22(2):228-37. UP International Publication Award.
- Yang JO, Hwang S, Kim WY, Park SJ, Kim SC, Park K, Kim SC, Park K, Lee B, and **The HUGO Pan-Asian SNP Consortium**. 2014. Identification of ethnically specific genetic variations in Pan-Asian ethnos. *Genomics Inform* 12(1):42-7.
- Hatin WI, Nur-Shafawati AR, Etemad A, Jin W, Qin P, Xu S, Jin L, Tan SG, Limprasert P, Feisal MA, Rizman-Idid M, Zilfalil BA and **The HUGO Pan-Asian SNP Consortium**. 2014. A genome-wide pattern of population structure and admixture in peninsular Malaysia Malays. *Hugo J* 8(1):5.
- Jinam TA, Phipps ME, Saitou N, and **The HUGO Pan-Asian SNP Consortium**. 2013. Admixture patterns and genetic differentiation in Negrito groups from West Malaysia estimated from genome-wide SNP data. *Human Biology* 85(1-3):173-188.
- Jinam TA, Hong HC, Phipps ME, Stoneking M, Ameen M, Edo J, **The HUGO Pan-Asian SNP Consortium** and Saitou, N. 2012. Evolutionary history of continental southeast Asians: "early train" hypothesis based on genetic analysis of mitochondrial and autosomal DNA data. *Molecular Biology and Evolution* 29(11):3513-27.
- He Y, Wang WR, Xu S, Jin L and **The HUGO Pan-Asian SNP Consortium**. 2012. Paleolithic Contingent in Modern Japanese: Estimation and Inference using Genome-wide Data. *Science Report* 2(355):1-7.
- Xu S, Pugach I, Stoneking M, Kayser M, Jin L, and **The HUGO Pan-Asian SNP Consortium**. 2012. Genetic dating indicates that the Asian–Papuan admixture through Eastern Indonesia corresponds to the Austronesian expansion. *Proceedings of the National Academy of Science USA* 109(12): 4574–4579.
- Ngamphiw C, Assawamakin A, Xu S, Shaw PJ, Yang JO, Ghang H, Bhak J, Liu E, Tongsima S, and **The HUGO Pan-Asian SNP Consortium**. 2011. Pan SNPdb: the Pan-Asian SNP genotyping database. *PLOS ONE* 6(6): e21451.
- Yang X, Xu S, and **The HUGO Pan-Asian SNP Consortium**. 2011. Identification of close relatives in the HUGO Pan-Asian SNP database. *PLOS ONE* 6(12): e29502.
- Hatin W, Nur-Shafawati A, Zahri M, Xu S, Jin L, Tan S, Rizman-Idid M, Zilfalil B, and **The HUGO Pan-Asian SNP Consortium**. 2011. Population Genetic Structure of Peninsular Malaysia Malay Sub-Ethnic Groups. *PLOS ONE* 6(4): e18312.
- Maiquilla SMB, Salvador JM, Calacal GC, Sagum MS, Dalet MRM, Delfin FC, Tabbada KA, Franco SAEL, Perdigon HB, Madrid BJ, Tan MP and **De Ungria MCA**. 2011. Y-STR DNA

- analysis of 154 female child sexual assault cases in the Philippines. *Internal Journal of Legal Medicine* 125(6): 817-24. UP International Publication Award.
- Maiquilla SMB, Salvador JM, Calacal GC, Delfin FC, Tabbada KA, Perdigon HB, Dalet MRM and **De Ungria MCA**. 2011. Expansion of the Philippine Autosomal Short Tandem Repeat Population Database for DNA-based Paternity Testing. *Philippine Journal of Science* 140(1):1-6. UP International Publication Award.
- Delfin F, Salvador JM, Calacal GC, Perdigon HB, Tabbada KA, Villamor LP, Halos SC, Gunnarsdottir E, Myles S, Hughes DA, Xu S, Jin L, Lao O, Kayser M, Hurlles ME, Stoneking M, and **De Ungria MCA**. 2011. The Y-chromosome landscape of the Philippines: extensive heterogeneity and varying genetic affinities of Negrito and non-Negrito groups. *European Journal of Human Genetics* 19(2):224-230. UP International Publication Award.
- Ghang H, Han Y, Jeong S, Bhak J, Lee S, Kim TH, Kim C, Kim S, Al-Mulla F, Youn CH, Yoo HS, and **The HUGO Pan-Asian SNP Consortium**. 2011. How Many SNPs Should Be Used for the Human Phylogeny of Highly Related Ethnicities? A Case of Pan Asian 63 Ethnicities. *Genomics & Informatics* 9(4):181-188.
- Xu S, Kangwanpong D, Seielstad M, Srikummool M, Kampuansai J, Jin L and **The HUGO Pan-Asian SNP Consortium**. 2010. Genetic evidence supports the linguistic affinity of Mlabri-a hunter-gatherer group in Thailand. *BMC Genetics* 11(18):1-13.
- Tabbada KA, Trejaut J, Loo JH, Chen YM, Lin M, Lahr MM, Kivisild T and **De Ungria MCA**. 2010. Philippine mitochondrial DNA diversity: a populated viaduct between Taiwan and Indonesia? *Molecular Biology and Evolution* 27(1):21-31. UP International Publication Award.
- The HUGO Pan-Asian SNP Consortium**. 2009. Mapping human genetic diversity in Asia. *Science* 326(5959): 1541-1545. UP International Publication Award.
- De Ungria MCA**, Calacal GC, Delfin FC, Tabbada KA, Salvador JM, Sagum MS, Dalet MRM, Franco SAEL, Maiquilla SMB, Perdigon HB, Pagaduan LP and Halos SC. 2008. Overview of Forensic Services by the UP-NSRI DNA Laboratory: a 4-year report. *Acta Medica Philippina* 42(2): 34-38.
- Calacal GC, Salvador JM, Tabbada KA, Franco SAEL, Maiquilla SMB, Sagum MS and **De Ungria MCA**. 2008. Case Report: DNA tests for Maternity Determination. *Acta Medica Philippina* 42(2):39-42.
- De Ungria MCA**, Sagum MS, Calacal GC, Delfin FC, Tabbada KA, Dalet MRM, Te TO, Diokno JI, Diokno MSI and Asplen CA. 2008. Forensic DNA evidence and the death penalty in the Philippines. *Forensic Science International: Genetics* 2(4):329-332.
- Salvador JM, Tabbada KA and **De Ungria MCA**. 2008. Population Data of Ten Y-chromosomal STR loci in Cebu province, Central Visayas (Philippines). *Journal of Forensic Sciences* 53(1): 256-258. UP International Publication Award.
- Salvador JM, Calacal GC, Villamor LP and **De Ungria MCA**. 2007. Allele frequencies for two pentanucleotide STR loci Penta D and Penta E in a Philippine population. *Legal Medicine* 9(5):282-3. International Publication Award.
- De Ungria MCA**. 2005. DNA Evidence in Paternity Cases. *Philippine Law Journal* 80(2):1-11.
- Tabbada KA, **De Ungria MCA**, Faustino LP, Athanasiadou D, Stradmann-Bellinghausen B and Schneider PM. 2005. Development of a pentaplex X-chromosomal short tandem repeat

- typing system and population genetic studies. *Forensic Science International* 154:173-180. UP International Publication Award.
- Calacal GC, Delfin FC, Tan MM, Roewer L, Magtanong DL, Lara M, Fortun R dR and **De Ungria MCA**. 2005. Identification of exhumed remains of fire tragedy victims using conventional methods and autosomal/Y-chromosomal short tandem repeat DNA profiling. *American Journal of Forensic Pathology and Medicine* 26(3):285-291. UP International Publication Award.
- De Ungria MCA**, Roby RK, Tabada KA, Rao-Coticone S, Tan MM and Hernandez KN. 2005. Allele frequencies of 19 STR loci in a Philippine population generated using AmpF/STR multiplex and ALF singleplex systems. *Forensic Science International* 152:281-284. UP International Publication Award.
- Calacal GC and **De Ungria MCA**. 2005. Fungal DNA challenge in human STR typing of bone samples. *Journal of Forensic Sciences* 50(6):1394-1401. UP International Publication Award.
- Delfin FC, Madrid BJ, Tan MP and **De Ungria MCA**. 2005. Y-STR analysis for detection and objective confirmation of child sexual abuse. *International Journal of Legal Medicine* 119:158-163. UP International Publication Award.
- Salvador JM and **De Ungria MCA**. 2004. DNA stability of forensic STR markers in FTATM – extracted buccal DNA from betel-quid chewers. *Oral Oncology* 40(2):231-2. UP International Publication Award.
- Perdigon HB, Calacal GC, Co Seng KL, Halos S and **De Ungria MCA**. 2004. Evaluation and in-house validation of five DNA extraction methods for PCR-based STR analysis of blood-stained denim. *Science Diliman* 16(1):37-48.
- Lessig R, Willuweit S, Krawczak M, Wu FC, Pu CE, Kim W, Henke L, Henke J, Miranda J, Hidding M, Benecke M, Schmitt C, Magno M, Calacal G, Delfin FC, **De Ungria MCA**, Elias S, Augustin C, Tun Z, Honda K, Kayser M, Gusmao L, Amorim A, Alves C, Hou Y, Keyser C, Ludes B, Klitschar M, Immel UD, Reichenpfader B, Zaharova B, Roewer L. 2003. Asian online Y-STR Haplotype Reference Database. *Legal Medicine (Tokyo)* 5 (Suppl 1): S160-163.
- Salvador JM and **De Ungria MCA**. 2003. Isolation of DNA from the saliva of betel quid chewers using Treated Cards. *Journal of Forensic Sciences* 48(4):794-797. UP International Publication Award.
- Calacal GC, **De Ungria MCA**, Delfin FC, Lara M, Magtanong DL and Fortun R dR. 2003. Identification of Two Fire Victims by Comparative Nuclear DNA Typing of Skeletal Remains and Stored Umbilical Tissues. *American Journal of Forensic Pathology and Medicine* 24(2):1-5. UP International Publication Award.
- De Ungria MCA**. 2003. Forensic DNA analysis in criminal investigations. *Philippine Journal of Science* 132(2):13-19.
- Tan MM, Calacal GC, Delfin FC, Roewer L and **De Ungria MCA**. 2003. Y-chromosome STR Allele Frequency Distribution Male Filipinos in the National Capital Region for Forensic Applications. *Philippine Journal of Science* 132(2):95-101.
- Tuazon OT, Barraquio WL, **De Ungria MCA** and Versalovic J. 2003. Detection of the presence of two *Helicobacter pylori* clarithromycin resistance markers in a single gastric biopsy by reverse hybridization using a line probe assay and semi-nested allele-specific PCR. *Asia Life Sciences* 12(1):19-26.

- De Ungria MCA**, Frani AM, Tabbada KA, Magno MMF, Calacal GC, Delfin FC and Halos SC. 2002. The Philippine genetic database of Short Tandem Repeats (STR) in DNA-based paternity testing. *Philippine Journal of Science* 131(1):1-8.
- De Ungria MCA**, Magno MMF, Tabbada KA, Calacal GC, Delfin FC, Frani AM and Halos SC. 2002. Interpreting DNA evidence in disputed parentage cases. *The IBP Newsletter* 30-31.
- De Ungria MCA**. Addressing social issues using forensic DNA technology. 2002. Newsletter of the Free Legal Assistance Group (FLAG).
- Tabbada KA, Magno MMF, Delfin FC, Calacal GC, Tan MMF, Chu-Ferreon JY, Halos SC and **De Ungria MCA**. 2002. Allele frequencies of eight Short Tandem Repeat Loci in three Visayas Regional Populations of the Philippines. *Journal of Forensic Sciences* 47(6):1-2. UP International Publication Award.
- De Ungria MCA**, Frani AM, Magno MMF, Tabbada KA, Calacal GC, Delfin FC and Halos SC. 2002. Evaluating DNA tests of motherless cases using a Philippine genetic database. *Transfusion* 42(7):954-958. UP International Publication Award.
- De Ungria MCA**, Tabbada KA, Delfin FC, Magno MMF, Calacal GC, Frani AM and Halos SC. 2002. Resolving paternity disputes using a Philippine genetic database. *Science Diliman* 14(1):8-16.
- De Ungria MCA**. 2001. Forensic DNA analysis in criminal and civil cases. *Continuing Legal Education Journal* 1(2):57-72.
- De Ungria MCA**, Magno MMF, Calacal GC, Delfin FC, Tabbada KA, Frani AM and Halos SC. 2001. DNA evidence in Philippine courts: a case report. *Philippine Law Gazette* 13(3):46-49.
- De Ungria MCA**. 2001. Applications of forensic DNA analysis in the Philippines. *The Philippine Law Gazette* 13(3):41-45.
- Jalava K, **De Ungria MCA**, O'Rourke J, Hirvi U, Lee A and Hanninen M. 1999. Characterization of *Helicobacter felis* by pulsed-field gel electrophoresis, plasmid profiling, and ribotyping. *Helicobacter* 64:3998-4006.
- De Ungria MCA**, Kolesnikow T, Cox PT and Lee A. 1999. Molecular characterization and inter-strain variability of pHPS1, a plasmid isolated from the Sydney Strain (SS1) of *Helicobacter pylori*. *Plasmid* 41:97-109.
- De Ungria MCA**, Tillett D, Neilan BA, Cox PT and Lee A. 1998. A novel method of extracting plasmid DNA from *Helicobacter* sp. *Helicobacter* 3(4): 269-277.
- Lee A, O'Rourke J, **De Ungria MCA**, Robertson B, Daskalopolous G and Dixon MF. 1997. A standardized mouse model of *Helicobacter pylori* infection: introducing the Sydney Strain. *Gastroenterology* 112:1386-1397.
- De Ungria MCA**, Cox PT, Kolesnikow T, Jacobs D and Lee A. 1997. Replication proteins of *Helicobacter* plasmids: Evidence for common replication machinery. *Gut* 41(S1): A5-A6.
- Tewari D, Nair SV, **De Ungria MCA**, Lawrence G, Hayden M, Love DN, Field HJ and Whalley JM. 1995. Immunization with Glycoprotein C of equine herpes virus-I is associated with accelerated virus clearance in a murine model. *Archives of Virology* 140: 789-797.

■ BOOK CHAPTERS/ CONTRIBUTIONS

- De Ungria MCA** and Jimenez EB. Ethical Governance of Forensic DNA Databases in Southeast Asia. 2022. In "Handbook of Forensic DNA Profiling." Edited by HR Dash, P Shrivastava, and JA Lorente. Springer-Nature Publishing.
- Boquiren ARS, Calacal GC, Dalet MRBM, **De Ungria MCA**, Delfin FC, Esteban NB, Estrella CS, Guillo KCM, Pusing KGN, Sagum MS, Salvador JM, Soliven NFJAS, Sosing MV and Padilla MTG. 2022. Research Communication and Ethics Instrument. DOST-PCHRD Omics Program (English and Tagalog versions).
- Calacal GC and **De Ungria MCA**. Forensic Genetics: Using DNA Typing Technology for Human Identification. (in press). In "Forensics Training Manual for Field Investigators and Lawyers of the Commission on Human Rights". Edited by **De Ungria, MCA**. Adhika Program of the Commission on Human Rights and Partners.
- De Ungria MCA** and Jose JM. Forensic Science in Challenging Environments: The Philippine Experience. 2018. In "Tending Life." pp 1-12. Edited by MSI Diokno. Free Legal Assistance Group, Anti-Death Penalty Task Force, Manila, Philippines.
- De Ungria MCA**. My personal story. 2017. In "Exemplars of Science: 32 Years of the Scientific Career System." pp 33-35. Edited by DG Alwindia, RK Araral, EB Gergon and EL Mallari. Philippine Association of Career Scientists, National Academy of Science and Technology, Bicutan, Taguig City, Philippines
- Rodriguez JJB, Laude RP, **De Ungria MCA**. DNA testing of sexual assault cases: Surmounting challenges in the Philippine setting. 2017. In "Science Philippines: Essays on Science by Filipinos, Volume IV. Edited by GP Padilla-Concepcion. The University of the Philippines Press, Quezon City, Philippines.
- De Ungria MCA**. Pioneering the Development of DNA forensics in the Philippines. 2016. In "Towards Excellence in Science Research: A UP Research Guidebook," pp 38-64. Edited by P Almoro. University of the Philippines Press, Quezon City, Philippines.
- De Ungria MCA**. For Generations To Come. 2015. In "A Voice for Science in the South," pp 213-227. Edited by D Schaffer. World Scientific Publishing, USA.
- De Ungria MCA** and Jose JM. Forensic DNA Profiling and Databasing: The Philippine Experience. 2010. In "DNA Profiling and Databasing: Governing the Challenges of New Technologies." Edited by R Hindmarsh and B Prainsack. Cambridge University Press, United Kingdom, 309-329. UP International Publication Award.
- De Ungria MCA**. Role of the Filipino Leader in the Development of the Asia-Pacific Community. 2008. In "Selected Essays on Science and Technology for Securing a Better Philippines," pp 69-70. Edited by G Padilla-Concepcion, E Padlan and C Saloma. University of the Philippines Press, Quezon City, Philippines.
- De Ungria MCA**. DNA Evidence in Paternity Cases. 2008. In "Selected Essays on Science and Technology for Securing a Better Philippines", pp 327-328. Edited by G Padilla-Concepcion, E Padlan and C Saloma. University of the Philippines Press, Quezon City, Philippines.
- De Ungria MCA**. Unity in Diversity. 2006. In "Love with Science: Outstanding Young Filipino Scientists Tell Their Stories," pp 41-44. Edited by QN Lee-Chua and LS Sebastian. Anvil Publishing Inc., Mandaluyong City, Philippines.

- De Ungria MCA.** DNA Forensics, the Human Genome Project and Human Rights. 2004. In "Human Genome: Perspectives and Applications," pp 49-70. Edited by C Padilla, PD Santos Ocampo and Q Kintanar. National Science and Technology monograph series 4/2003, Bicutan, Philippines.
- Gilmore J, **De Ungria MCA**, Delfin FC, Madrid BJ and Ochave J. 2004. "The DNA Manual." An Official Publication of the Child Protection Unit Network, Manila, Philippines.
- Kolesnikow T and **De Ungria MCA.** 1997. *Helicobacter pylori* Genetics: Genome diversity and the Molecular Approach in "*Helicobacter pylori*- A global pathogen." In Bailliere's Clinical Infectious Diseases: International Practice and Research, pp. 319-340. Edited by T Kolesnikow and A Lee. Bailliere Tindall Press, London, United Kingdom.

■ POLICIES

- Technical Panel for Revising EO 901 or the Prescribing Rules and Regulations to Implement the Scientific Career System Initially In The National Science And Technology Authority. EO no. 17 was approved on 20 February 2023.
- UP Human Biobank Taskforce 2022. The UP Human Biobanking Policy was approved by the UP Board of Regents during the 1372nd Meeting held on 28 July.
- UP Diliman REPS Welfare Council. 2022. UPD REPS Manual was approved by UP President Danilo L. Concepcion, 22 December.
- Philippine Health Research Ethics Board. 2017. National Ethical Guidelines for Health and Health-Related Research.

■ NEWS/ONLINE ARTICLES

- De Ungria MCA** and Jimenez EBJ. 2021. Ethical Challenges in Genetic Research with Indigenous Cultural Communities/Indigenous Peoples in the Philippines. PGC Bulletin. <https://pgc.up.edu.ph/research-development/biodiversity-and-ethnicity/icc-ip-ethical-challenges-in-genetics-research/>, 18 May.
- Halos SC and **De Ungria MCA.** 2021. Establishing the UPD-NSRI DNA Analysis Laboratory in the Philippines. Forensic Asia. 11(1): 6.
- De Ungria MCA.** 2017. Featured interview in Asian Scientist. 21 June.
- De Ungria MCA.** 2014. Demolishing the ivory tower via Facebook. Philippine Star. 24 July.
- Nudo L and **De Ungria MCA.** 2014. "Nalunod or nilunod": Forensic science in drowning investigations. Philippine Star. 3 July.
- De Ungria MCA.** 2014. Forensic sciences in the classroom. Philippine Star. 20 March.
- Honrado MLD and **De Ungria MCA.** 2013. DNA, drug abuse, and mistaken identities. Philippine Star. 1 August.
- Calacal GC and **De Ungria MCA.** 2013. Why identify the dead? Philippine Star. 20 June.
- Salvador JM and **De Ungria MCA.** 2013. DNA profiling of Filipino men: Why the Y? Philippine Star. 16 May.
- De Ungria MCA.** 2013. The double helix in court: DNA as a catalyst for change. Philippine Star. 18 April.
- De Ungria MCA.** 2013. Genetic genealogy and ancestry: Exploring what is written in one's DNA. Philippine Star. 7 March.

- Rodriguez JRB, Laude RP and **De Ungria MCA**. 2013. DNA testing of sexual assault cases: Surmounting challenges in the Philippine setting. Philippine Star. 21 February.
- De Ungria MCA**. 2013. Forensic DNA Technology: A powerful tool for judicial reform. Philippine Star. 24 January.
- De Ungria MCA**. 2012. The use of forensic DNA evidence in effective governance of the local community. Philippine Star. 4 October.
- De Ungria MCA**. 2007. Role of the Filipino leader in the development of the Asia-Pacific community. Philippine Star. 25 January.
- De Ungria MCA**. 2006. The UP Roundtable on the Law- contributor. UP Forum. November-December. Vol 6 No 6.
- De Ungria MCA**. 2006. DNA Evidence in paternity cases. Philippine Star. 31 August.
- De Ungria MCA, Honorary Fellow (2014- present)