

# ERINNE CHERISSE CHUA JOY ONG

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## Education

### De La Salle University (Manila, PH)

*Bachelor of Science in Biology*

Sep. 2017 - Feb. 2021

- Top 10% of graduating class with cumulative GPA of 3.787/4.0
- Thesis: Cytotoxicity and genotoxicity of *Citrus microcarpa* (Calamansi) juice and essential oil on small cell lung carcinoma, acute monocytic leukemia, and colon adenocarcinoma cell lines

### St. Stephen's High School (Manila, PH)

*Senior High School Diploma*

Jun. 2012 - Mar. 2017

- Track: Science, Technology, Engineering, and Mathematics (STEM)
- Salutatorian (2<sup>nd</sup> out of 140 students) with final year average of 96.53
- Graduated with High Honors for STEM (average grade of science subjects >95)

## Work Experience

### De La Salle University - Advanced Research Institute for Informatics, Computing and Networking (Manila, PH)

*Project Assistant*

Jul. 2021 - Present

- Works closely with research leads to build a lexical database for Philippine languages through natural language processing and network analysis
- Produced written and visual content on "Diachronic Representation and Linguistic Study of Filipino Word Senses Across Social and Digital Media Contexts" project

### Wildtype Media Group (Singapore)

*Staff Writer*

Apr. 2021 - Present

- Writes two to three 500-word research highlights weekly for flagship *Asian Scientist Magazine* based on STEM journal articles
- Produces 1500-word topical deep dives on scientific advancements across Asia with researcher interviews
- Covers diverse fields: cancer, neuroscience, precision medicine, data analytics

### National Medical Admission Test Review (Manila, PH)

*Instructor (Self-employed)*

Nov. 2020 - Apr. 2021

- Delivered online lectures to more than 300 students on cell biology, genetics, biochemistry, physiology, psychology, and ecology
- Developed a virtual assessment platform with over 100 sample test questions

## Professional Training

### Fundamentals of Neuroscience – Neurons & Networks

*Harvard University (edX, massive online open course platform)*

Feb. 2021

- Covered synaptic anatomy, excitation and inhibition, neuromodulation, neurotransmitter and receptor systems, synaptic and non-synaptic plasticity

### Data Science Short Course – COVID Edition

*De La Salle University (Manila, PH)*

Oct. 2020

- Delivered by Prof. Jennifer Widom (Stanford University)
- Covered data analysis using spreadsheets, SQL, Python, and Tableau

## Skills

cell culture revival and maintenance, cell viability and proliferation assays, genotoxicity assays, DNA extraction, polymerase chain reaction, sequence analysis, protein homology modelling, gel electrophoresis, fluorescence microscopy, spectrophotometry

## Conference Papers

**Ong EC**, Co CJ, Mulingbayan IM, Oyong GG, Enriquez ML. Cytotoxicity of *Citrus microcarpa* (Calamansi) peel-derived essential oil on small cell lung carcinoma, acute monocytic leukemia, and colon adenocarcinoma cell lines. Metro Manila Health Research and Development Consortium 5<sup>th</sup> International Symposium and 12<sup>th</sup> Annual Scientific Conference; 2021 Sep 24-25; Manila, PH.

**Ong EC**, Cabansag HB, Sacolles HS. Formative assessments as scaffolds in increasing Mathematics achievement of Grade 11 students. De La Salle University Research Congress; 2016 Mar 7-9; Manila, PH.

## Selected Published Articles

**Ong EC**. 2021 Sep 30. Prioritizing patient privacy. Asian Scientist Magazine. 8(2):30-35.

**Ong EC**. 2021 Sep 9. Posits: Coming soon to hardware near you. Supercomputing Asia. 11:32-35.

**Ong EC**. 2021 Jul 21. How China beat malaria. Asian Scientist Magazine [Internet]. Available from: <http://www.asianscientist.com/2021/07/features/how-china-beat-malaria/>

**Ong EC**. 2020 Jun 15. Genomics sequencing traces spread of COVID-19, pinpoints cruise ship origins. The LaSallian [Internet]. Available from: <http://thelasallian.com/2020/06/15/genomics-sequencing-traces-spread-of-covid-19-pinpoints-cruise-ship-origins/>

**Ong EC**, Chua W. 2020 Jan 1. Restless nights: Dealing with sleep deprivation. The LaSallian [Internet]. Available from: <http://thelasallian.com/2020/01/19/dealing-with-sleep-deprivation/>

## Extracurricular Activities

**The LaSallian** (University campus publication)

*Editor in Chief*

Sep. 2019 - Oct. 2020

- Substantively edited over 300 articles on science and technology, university, sports, society, and arts for 11 monthly issues
- Streamlined workflows by introducing consolidated tracks for event coverage schedules and article development timelines
- Spearheaded human resource training through quarterly consultation sessions, five workshops, and feedback channels

**Project Insight** (Youth organization)

*Content Manager*

Jun. - Oct. 2020

- Organized webinars on vaccine development, artificial intelligence, and mental healthcare with 200 attendees
- Coordinated with and tailored discussion points for global academic experts as webinar panelists
- Conceptualized content for infographics on webinar topics, reaching over 23,000 total social media engagements

## Awards

**Second place** (out of 6 finalists), Metro Manila Health Research and Development Consortium 5<sup>th</sup> International Symposium and 12<sup>th</sup> Annual Scientific Conference – Oral Research Paper Competition, 2021

**Jose Rizal Honors Certificate** (First Dean's List, GPA >3.6), De La Salle University, 2017-2021

**First Runner Up** (out of 6 teams), Ateneo Biology Cup (intercollegiate quiz bee), 2020

**Best in Biology** (out of 40 students), Ateneo Junior Summer Seminar, 2016

## References

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