

MA. KATE DEANIELLE C. VALDEO

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EDUCATION

Bachelor of Science in Medical Biology

September 2020 - September 2024

Doña Remedios Trinidad Romualdez Medical Foundation, Inc. (RTRMF)

- Relevant coursework in Zoology, Botany, Chemistry, Cell and Molecular Biology, Genetics, General and Medical Microbiology, Parasitology, Human Anatomy and Physiology, Histology, Immunology, Epidemiology, Ecology, Bioethics, Teaching Principles, Emergency Management, and Research Methods, highlighting both theoretical knowledge and practical laboratory skills.

SKILLS

- Competence in both oral and written communication, including report writing and lecture presentations.
- Experience in designing experiments/projects, conducting research, and presenting findings effectively.
- Strong analytical skills for evaluating scientific literature and experimental results.
- Proficiency in Microbiology, Ecology, Histology, Cell & Molecular Biology, Immunology, Genetics, Evolutionary Biology, and Parasitology laboratory techniques such as bacteria culture, making nutrient agars/broth/deeps, tissue and bacteria staining techniques, aseptic techniques, microscopy, biodiversity assessment, water quality testing, collection of parasites, blood smearing, DNA Extraction, PCR, Gel Electrophoresis, and other related laboratory works.
- Experience working effectively in laboratory teams and group projects and can work under pressure.
- Understands the ethical issues in biology and healthcare, including bioethics and professional responsibility.

EXPERIENCES

Part-time Instructor

January-May 2025

- taught laboratory works in Cell and Molecular Biology, Evolutionary Biology, Genetics, and Immunology, providing students with hands-on experimental experience and served as lecturer in Science, Technology and Society (ScTS)
- experience also includes developing pre-lab lectures, laboratory guides and worksheets for students to enhance their practical skills

Student Researcher (Individual)

2023-2024

- Conducted research projects such as survey-type for the "Prevalence and Impact of school violence among Dr. V. Orestes Romualdez Educational Foundation (DVOREF) Senior High School students" as a main and sole author and experimental study about "Anti-angiogenic activities of Kaffir lime (*Citrus hystrix* DC)" using Chorioallantoic Membrane Assay (CAM) Assay" as a main and sole author and will be published in Philippine Journal of Science - DOST soon.
- Attended a Research Forum last September 2024 and 2023.

Intern and Volunteer

2024

- Intern and volunteer at Tacloban City Rescue Unit (TACRU) as a pre-hospital endorser and medical and trauma responder. Also, underwent rescue and medical trainings with certifications.

Student Volunteer and Youth Mapper

2023

- Went to two seminars as a student volunteer/audience in the Biology Teachers Association of the Philippines, Inc. (BIOTA Phils., Inc) and Pista ng Mapa (Festival of Maps) as a youth mapper.

Founder and Leader

2022-2023

- Founder and First President and Auditor of DRTRMF Medical Biology Society.

PROJECTS

- **Research:** THE HIDDEN BATTLE: Unmasking the Prevalence and Impact of School Violence among DVOREF Grade 12 STEM Students, Anti-angiogenic Activities of Kaffir Lime (*Citrus hystrix* DC) using Chorioallantoic Membrane Assay (CAM) Assay, and Toxicological Evaluation of the Salab (*Guioa koelreuteria*) Seed Extract using Zebrafish Embryo (Ongoing).
- **Organizations/Leadership:** First accreditation and founding of the Biology Society (VMCV and logo), New Identification of RTRMF Biology students (ID Lace and Nameplate projects), Paskuhan project (Christmas Decorations, Community Giveaways, and Party), and Biology Days.

ADDITIONAL INFORMATION

- **Certifications:** Leadership Award, Basic Life Support, Ambulance Operations, Water Safety Rescue, Research Participant, Youth Mapper/Participant
- **Volunteering:** Tacloban City Rescue Unit (TACRU) Endorser and Responder and Festival of the Maps'

Mapper

- **Awards:** Most Outstanding Research for Undergraduate Study, **Leadership Award, *Cum laude***
- **Leadership:** RTRMF Medical Biology Society Founder, President, and Acting Auditor (2022-2023), RTRMF Supreme Student Council Auditor (2022-2023), and RTRMF Medical Biology Society 4th year representative (2023-2024)
- **Scholarships:** RTRMF Academic Scholar, OWWA-EDSP (Iskolar ng Bayan) Scholar
- **Career/Civil Service Professional Pen & Paper Test Passer (March 2024)**
- **Career/Civil Service Honor Graduate Eligible (January 2025)**
- **Registered Editor, Author, and Writer at National Book Development Board - Philippines (2021-Present)**
- **Member:** Visionary Research Association Inc., Biology Teachers Association of the Philippines (BIOTA), International Congress of Innovation-Based Educators and Researchers, Inc., and Biomed Society of the Philippines

REFERENCES

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