



# Natchanon Rongdach

Date of birth: 7 April 2006 | natchanon.ron@student.mahidol.edu | (+66) 95 950 1822

---

## Education

---

**M.Sc. Programs in Immunology** (*Pi-Shaped graduate*), Expected Graduation 2030

Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

2024 - Present

**Doctor of Medicine**, Expected Graduation 2030

Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

2024 - Present

**Upper Secondary School Diploma**

Mahidol Wittayanusorn School, Nakhon Pathom, Thailand

2021 - 2024

GPA: 3.99

## Work and Research Experiences

---

**Department of Immunology, Faculty of Medicine Siriraj Hospital, Mahidol University**

- Developing dual BiPEs targeting MUC-1 and PD-L1 for non-small cell lung cancer

2025 - Present

**Mahidol Wittayanusorn School · Kasetsart University**

- The systematic position of *Calymperes aeruginosum* and *C. peguense* (*Calymperaceae*; *Bryophyta*) based on molecular and morphological data
- Adiantum membranifolium* (*Pteridaceae*), a new record of maidenhair fern from Laos

2023 - Present

2024

**Mahidol Wittayanusorn School · Chulalongkorn University · National Junior College, Singapore**

- The development of lateral flow immunoassay for hepatitis B detection in saliva

2022 - 2024

**Mahidol Wittayanusorn School**

- Double-skin green facade for reducing temperature in buildings

2023

## Publications

---

- Sripeng, T., **Rongdach, N.**, Na-Ranong, P., Jaruwattanaphan, T., Lanorsavanh, S., Limtaropas, C., & Sangrattanaprasert, J. (2024). *Adiantum membranifolium* (Pteridaceae), a new record of maidenhair fern from Laos. *The Gardens' Bulletin, Singapore*, 76(2), 277–283. [https://doi.org/10.26492/gbs76\(2\).2024-10](https://doi.org/10.26492/gbs76(2).2024-10)
- Rongdach, N.**, Kotluckkom, G., Jeenjenkit, U., & Chaiyo, S. (2024). The development of lateral flow immunoassay for hepatitis B detection in saliva. *Thailand Scholastic Journal of Science*, 5(1). <https://www.tsjos.org>

## Awards and Certifications

---

- Gold Medalist, Thailand Biology Olympiad** (2022): qualified for IBO team selection camp II (IPST).
- Silver Medalist, Thailand Biology Olympiad** (2021): qualified for IBO team selection camp I (IPST).
- YSC 2023 First-Runner up**: Young Scientist Competition in chemistry project, Thailand
- IEF 2023 Silver Medalist**: The 24th International Elementz Fair, Anderson Serangoon Junior College, Singapore
- 1st Runner-Up SiMSAC**: Siriraj Medical Science Academic Competition, Theme: Physiology
- School Representative**, Chung Ling International Cultural Exchange Programme (2023)
- School Representative**, Exchange Program with National Junior College, Singapore (2022)
- School Representative**, Online Exchange Program with G.T. (Ellen Yeung) College (2022)

## Leadership and Volunteering

---

- Director, Royal Cremation Ceremony**  
Oversaw full-scale planning and execution of the ceremony, coordinating all event aspects. **2025 - Present**
- Head of Administrative Affairs, Student Committee (year 2)**  
Oversaw Registration, Student Impact, and R&D divisions. **2025 - Present**
- Director, IFMSA-Thailand Mind Immunity**  
Led workshops to educate medical students on stress management and mental well-being. **2025**
- Head of Student Impact, Student Committee (year 1)**  
Led initiatives to enhance student engagement, well-being, and positive campus impact. **2024 - 2025**

## Additional

---

- Language**: Thai (native), English (*IELTS* = 6.5, *TOEFL-ITP* = 613)
- Bioinformatics**: R Programming, C++, Python, MEGA11 (*molecular evolutionary genetics analysis*)
- Art**: Exhibited scientific artwork at MWIT Science Fair & Open House Title: "*Opheltes glaucopterus*"  
2nd Runner-Up, MWIT Biological Illustration Competition Title: "*Juvenile Leaf Blade of *Epipremnum aureum**"
- Laboratory Skills**: Micropipetting, PCR, Gel electrophoresis, Western blot, Flow Cytometry, Cell Culture