



Prince Mahidol Award Youth Program,  
Prince Mahidol Award Foundation under Royal Patronage  
In collaboration with  
Faculty of Medicine Siriraj Hospital and Ministry of Foreign Affairs

Organize the press conference

On the result of the Prince Mahidol Award Youth Program  
scholarship recipients 2024

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Today (2<sup>nd</sup> December 2024) at 13:30 hrs. **Clin. Prof. Supat Vanichakarn**, Secretary General of Prince Mahidol Award Foundation under the Royal Patronage; **Mr. Nikordej Balankura**, Director-General of the Department of Information and Spokesperson of the Ministry of Foreign Affairs; **Prof. Vicharn Panich**, Chairman of Prince Mahidol Award Youth Program Steering Committee; and **Emer. Prof. Sompop Limpongsanurak**, Chairman of Prince Mahidol Award Youth Program Selection Committee, together issue a press release on the names of Prince Mahidol Award Youth Program scholarship recipients for 2024 at the Chulabhorn conference room, 2<sup>nd</sup> floor of Syamindra Building, Faculty of Medicine Siriraj Hospital, Mahidol University.

The names of five scholarship recipients 2024 of Prince Mahidol Award Youth Program are as follows:

1. **Mr. Khemmawit Siriwong** Faculty of Medicine Siriraj Hospital, Mahidol University
2. **Mr. Kanathip Jongmekwamsuk** Faculty of Medicine, Chulalongkorn University
3. **Ms. Chutibhorn Charnnarong** Faculty of Medicine, Chulalongkorn University
4. **Mr. Thitipat Pattanaprateeb** Faculty of Medicine Siriraj Hospital, Mahidol University
5. **Ms. Pannaporn Kalkoljuck** Faculty of Medicine, Ramathibodi Hospital, Mahidol University

(Details are attached.)

Twenty-one applicants from 11 institutes were nominated for Prince Mahidol Award Youth Program in 2024. Only 5 successful applicants meet the criteria of Prince Mahidol Award Youth Program. The Selection Committee selected the scholarship recipients and presented to the Board of Trustee which HRH Princess Maha Chakri Sirindhorn is a President. The final decision had been made on the 1<sup>st</sup> November 2024.

**Prince Mahidol Award Youth Program** has been established on the 20<sup>th</sup> November 2007 according to the 2<sup>nd</sup>/2007 consensus of the Prince Mahidol Award Foundation Committee. The program aims to inspire and facilitate Thai youths studied in the health fields to pursue their dedicated life for the benefit of mankind following the footsteps of HRH Prince Mahidol of Songkla. The steering committee, the working committee, and the selection committee are responsible to select the applicants who meet the criteria of the program, and present their names to the Board of Trustee which HRH Princess Maha Chakri Sirindhorn is a President, for a final decision.



## Mr. Khemmawit Siriwong

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Mr. Khemmawit Siriwong is a sixth-year medical student at the Faculty of Medicine Siriraj Hospital, Mahidol University. He is interested in a research topic of **"Novel multipurpose molecular target for diagnosing and treating breast cancer: Telomerase reverse transcriptase gene complex."**

*Breast cancer is undeniably one of the leading causes of mortality in women worldwide, with over two million new cases diagnosed and hundreds of thousands of deaths each year. However, it is preventable if detected early and treated promptly. Mr. Siriwong is passionate about developing innovative diagnostic tools, screening methods, and therapies for breast cancer to reduce the disease burden on individuals and the healthcare system while improving the well-being of both Thai and global populations.*

### Mr. Khemmawit Siriwong has received honors and awards as the followings:

- 2024** \* First authorship and oral presentation on the topic “The effect of self-directed learning readiness on Thai medical students’ self-reported National Licensing Examination Step 1 score” at the Ottawa 2024 Conference, Melbourne, Australia
- \* Head coordinator of the Global Health Case Competition at the Prince Mahidol Award Conference 2024 (PMAC 2024)
- 2023** \* President of the Siriraj Medical Student Union and attended at the 12<sup>th</sup> ASEAN Medical Deans' Summit (AMDS), University of Malaya, Malaysia
- 2022** \* President of the 12<sup>th</sup> Siriraj International Medical Microbiology, Parasitology, and Immunology Competition. Hosted by the Faculty of Medicine Siriraj Hospital, Mahidol University
- 2021** \* President of the third-year medical students
- 2020** \* Academic President of the second-year medical students
- 2018** \* Silver Medalist, the 15<sup>th</sup> Thailand Biology Olympiad (TBO 2018)



## Mr. Kanathip Jongmekwamsuk

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Mr. Kanathip Jongmekwamsuk is a sixth-year medical student at the Faculty of Medicine, Chulalongkorn University. He is interested in a research topic of "**Exploring neural biomarkers of vascular risks in age-related cognitive decline through population receptive field changes using functional neuroimaging.**"

*Cognitive decline is a significant health issue that impacts the quality of life of patients, their families and the healthcare system, particularly in aging societies like Thailand. However, currently available tools primarily detect structural brain abnormalities, which appear after substantial damages of cognitive decline. This limitation hinders early detection of at-risk patients and delays timely prevention. Mr. Jongmekwamsuk aims to apply a novel technique for functional magnetic resonance imaging to develop early diagnostic tools and design personalized preventive strategies to individual risk profiles. This could help reduce the incidence of dementia in the future and improve the overall health of the Thai population.*

### Mr. Kanathip Jongmekwamsuk has received honors and awards as the followings:

- 2024 \* Travel Award for poster presentation in visual neuroscience at the 24<sup>th</sup> Annual Meeting of the Vision Sciences Society, USA
- 2023 \* Research assistant in visual neuroscience at Ernst Strüngmann Institute for Neuroscience in cooperation with Max Planck Society in Germany for 10 months
- \* Teaching assistant in Brain Code Camp for Data Science and Artificial Intelligence in neuroscience
- \* Research titled “Assessment of brain computed tomography as a practical way to predict neurological outcomes in post-cardiac arrest survivors” published in Journal of the Medical Association of Thailand, Volume 106 Issue 5
- 2022 \* Vice President for External Affairs of the Student Union of the Faculty of Medicine, Chulalongkorn U.
- \* Medical Student with Public Mind Award from Faculty of Medicine, Chulalongkorn U.
- 2021 \* Ambassador for Ananda Mahidol Memorial Ceremony at the Faculty of Medicine, Chulalongkorn U.
- \* Deputy head of LESSPLASTIC TU, focusing on plastic bottle recycling for healthcare support
- \* Co-founder and Vice President of Public Relations for Research Club of the Student Union of the Faculty of Medicine, Chulalongkorn University
- 2020 \* Secretary of the 9<sup>th</sup> Research Camp by Society of Medical Students of Thailand
- 2018 \* Pink Diamond Medical Student Researcher Program at the Faculty of Medicine, Chulalongkorn U.
- \* National Officer of Medical Education of International Federation of Medical Students’ Associations – Thailand



## Ms. Chutibhorn Charnnarong

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Ms. Chutibhorn Charnnarong is a sixth-year medical student at the Faculty of Medicine, Chulalongkorn University. She is interested in a research topic of "Adding life to years: Healthy aging through developing a comprehensive database for brain health."

*As society ages, longer life spans do not always translate to better quality of life, where additional years are often marked by illness. Thus, the goal of aging should not simply be to extend life expectancy, but to improve life quality. Brain health, defined as the state of brain functioning across cognitive, sensory, social-emotional, behavioral, and motor domains, plays a direct role in impacting the quality of life in elders and must be preserved. Preventing the decline of brain health requires an understanding various factors including clinical, biological, radiological, and digital health data from wearable devices and mobile applications. Compiling these diverse data sources into a comprehensive database is crucial for analyzing complex relationships between these factors, facilitating more effective strategies to protect and enhance brain health.*

### Ms. Chutibhorn Charnnarong has received honors and awards as the followings:

- 2023** \* Dual Degree Medical Student, thesis titled "Comparison of plasma short-chain fatty acids level in subjects with asymptomatic cerebral vasculopathy and controls"
  - \* Poster presenter on the topic "Factors associated with failure of stroke prevention among patients with known non-valvular atrial fibrillation" at World Congress of Neurology, Canada
  - \* Received Outstanding Presentation Award and Popular Vote for Best Presentation in International Postgraduate Research Conference in Medical Science, Faculty of Medicine, Chulalongkorn University
- 2022** \* Awarded First Prize in the Neurology Tournament at the Chula Neuroscience Forum, Faculty of Medicine, Chulalongkorn University
- 2021** \* Selected student to join the "Pink Diamond" medical student research track
  - \* Selected as musical director of MDCU Drama
- 2018** \* Awarded first place by the Neurological Institute of Thailand in the message campaign to raise awareness about the symptoms of stroke.
- 2017** \* Awarded Honor Medals from World Scholar's Cup "The Tournament of Champions" held at Yale University, USA



## Mr. Thitipat Pattanapruteeb

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Mr. Thitipat Pattanapruteeb is a sixth-year medical student at the Faculty of Medicine Siriraj Hospital, Mahidol University. He is interested in a research topic of "Kidney sentinel: Advancing clinical translation of biomarkers for early diagnosis of diabetic kidney disease (DKD) in type 2 diabetes mellitus (T2DM) patients through targeted metabolomic analysis."

*Half of all patients with end-stage renal disease (ESRD) develop it as a result of diabetic kidney disease, and these patients face lifelong challenges with kidney replacement therapy” The primary reason for poor disease outcomes lies in the delayed diagnosis of DKD. Current clinical diagnostic methods are insufficient to detect early kidney damage caused by DKD in its initial stages. Mr. Pattanapruteeb, with a strong interest in nephrology and biochemistry, has proposed a research project utilizing metabolomics technology to identify biomarkers for the early diagnosis and prognosis prediction of DKD. The ultimate goal of this study is to enable timely intervention, improve the quality of life for DKD patients, and reduce the risk of complications and the burden of lifelong treatments.*

### Mr. Thitipat Pattanapruteeb has received honors and awards as the followings:

- 2024** \* President of the Global Health Case Competition at the Prince Mahidol Award Conference 2024 (PMAC2024)
  - \* Co-author and oral presenter on the topic “The effect of SDL on NLE1 scores in Siriraj medical students” at Ottawa 2024 Conference, Melbourne, Australia
- 2023** \* Vice President for Academic Affairs of the Siriraj Medical Student Union
  - \* Represented the Faculty of Medicine Siriraj Hospital as a student delegate and presenter at the 12<sup>th</sup> ASEAN Medical Deans' Summit (AMDS), University of Malaya, Malaysia
  - \* Member of the Clinical Education Subcommittee and the Medical Curriculum Development
- 2022** \* The President of Academic Affairs for the Siriraj Medical Student Committee
- 2021** \* Vice President of Academic Affairs and a member of the Master of Ceremonies (MC) Team for the 11<sup>th</sup> Siriraj International Medical Microbiology, Parasitology, and Immunology Competition (SIMPIC)



## Ms. Pannaporn Kalkoljuck

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Ms. Pannaporn Kalkoljuck is a sixth-year medical student at the Faculty of Medicine Ramathibodi Hospital, Mahidol University. She is interested in a research topic of **"The exploration of molecular underpinning the placenta tissue of unexplained stillbirths: Analysis of genomic and transcriptomic data and development of therapeutic strategies."**

*She is committed to contributing to preventive measures and empowering families with informed reproductive choices. Her research is about the exploration of molecular underpinning of the placenta tissue of unexplained stillbirths, which focuses on uncovering the genetic causes of stillbirth. By conducting genomic and transcriptomic analyses of the placenta, she seeks to identify genetic factors that may explain stillbirth and inform strategies for prevention. This research is not only a step toward addressing a critical gap but also a foundation for advancing genetic research in Thailand. The insights gained will enhance healthcare for Thai families while contributing to global understanding and progress in obstetrics and genetics.*

### Ms. Pannaporn Kalkoljuck has received honors and awards as the followings:

- 2023** \* President of the 5<sup>th</sup> year medical student
  - \* Poster presenter on the topic “Molecular diagnostic strategy to discover the large-scale PNPLA6 gene copy number variation in Boucher-Neuhauser syndrome” at European Society of Human Genetics 2023, UK
- 2022** \* Selected to be a speaker in the Influence of Medical Genomics on Global Movement 2022 and presented in Genomic of Rare Diseases 2022 (virtual conference)
- 2021** \* Honored to be Deputy Vice President of the Organization Development Committee of Ramathibodi Medical Student Council
- 2020** \* Earned Patent from the invention: X-rays Detector Inserter
  - \* President of supplier committee in the Rama Drama charitable stage play
- 2019** \* President of Publication Committee in Ramapanitharn 25<sup>th</sup> medical student camp at the Faculty of Medicine Ramathibodi Hospital, Mahidol University
- 2018** \* Representing Thailand in the International Exhibition for Young Inventors receiving silver medal and The Best Invention Award from presenting invention: X-rays Detector Inserter