

Message from the scholar

Name: Kochakorn Phantawong [KUGKIG]

Previous Institution:

Chiang Mai University,
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Department/Program:

Faculty of Medicine,
Graduate school of Medicine,
Course of Medical Sciences
(Doctoral Program)



1 Reason for choosing Gunma University

Many countries are researching FLASH with electrons or protons, specifically Gunma University, Japan, is an expert on carbon ions. Since carbon ions offer a superior Bragg peak and higher LET, they are combined with FLASH radiotherapy. I aspire to learn from the leaders who established this field from the ground up. Additionally, Thailand is developing its own advanced medical hubs, and I am inspired to bring this "heavy ion" expertise back to elevate the research of medical technology for my country.

2 Research Plans and Focus and Activities in GU Doctoral program

My research proposal focuses on biophysical simulations for the prediction of biological effects in FLASH carbon ion therapy. My goal aims to apply biophysical simulation frameworks to estimate and optimize biological effects of FLASH carbon ion therapy, focusing on mechanisms of normal tissue sparing and tumor control.

3 Impact of Financial Support from GU

Receiving a Financial Support from GU would be immensely helpful, as it would allow me to complete my study process on schedule without interruption. It would alleviate the immediate financial burden, enabling me to remain fully focused on my academic responsibilities and ensuring that I can begin the semester with the necessary peace of mind.

4 Future Plans

After graduation, I will return to develop knowledge in heavy charged particle therapy, as it is still relatively new in Thailand. In addition, I have applied the skills I gained to research on particle radiation therapy, which my university plans to install within the next five years.

5 Message for perspective applicants for the Financial Support

Gunma University is a leading institution for heavy charged particle therapy. It has cutting-edge equipment and a wide range of international research opportunities, including collaborations with other leading institutions. Financial help is meant to remove obstacles so you can focus only on your academic and research progress. I strongly suggest that you apply. They will provide you with access to important resources, collaborations, and opportunities that can help you get ahead in your career in academia and research.