國立臺灣大學醫學工程學系考生推薦函

一、申請人填寫部份：

申請人姓名：康凱傑　　最高學歷(畢業科系)：臺北醫學大學 生物醫學工程學系

連絡電話：0981-354-951

二、推薦者填寫部分：

1.您與申請者之關係：☐ 指導教授 ☐ 授課教師 ☑導師 ☐ 研究計畫僱用 ☐ 單位主管 ☐ 其他，請說明_____

2.您與申請者認識多久：三年

3.您與申請者熟識之程度：☑極熟識 ☐ 熟識 ☐ 普通 ☐ 不甚熟識

三、請依您對申請者之了解，利用下表客觀評估這位考生。(請以打 √ 方式表示)

評定等級 / 評鑑項目	Top 10%	10%~30%	30%~70%	Below 70%	N/A
1.求學態度	√				
2.獨立思考	√				
3.創造求新	√				
4.邏輯思考	√				
5.人際關係	√				
6.情緒穩定	√				
7.責任感	√				
8.主動性	√				

四、綜合評語：(請您列出申請人之優點和缺點及其在學術上可能的潛力)

It is my pleasure to write this letter recommending Kai-Chieh Kang for admission to the graduate program. As being his mentor more than three years, I have known Kai-Chieh very well. Over that time, I was consistently impressed with his talent and performance in the academic studies. He has been very actively involved in various subjects such as computer-programming, electronics, engineering mathematics, physics, and material science. When he took my courses in the medical imaging data analysis and computer programming-related field, he gave me a strong impression that he showed great passion for mathematics and implementing the machine learning algorithms in imaging post-processing and data analysis in his study projects. His grades were exceptionally good with his overall results ranked top one among the class.

Kai-Chieh is a very self-directed person who loves learning about advanced biomedical techniques, being productive in the new development of the scientific field. He participated in various conferences and gave some excellent presentations. In 2021, he joined the program of Inter-collegiate Problem Solving for Better Health, collaborating with students from the Taipei Medical University, Soochow University, and Tatung University to work on the pain point analysis and business model design. In his research project, he applied gelatin-coated nanoparticles to create eye drops and evaluate the potential for the treatment of dry eye disease. The study was conducted using an animal model to assess the effects of the eye drops on tear secretion, corneal damage, corneal thickness, and eyelid goblet cell number in mice. The results showed that this type of eye drop has the potential to treat dry eye disease. He applied a machine-learning

algorithm to quantify the fluorescence of a mouse cornea that was stained with fluorescent dye using the computer-programming skills he gained from the class. His research work was selected as the Poster Presentation Award in the International Symposium of Materials in Regenerative Medicine and earned the oral competition award for research project of the Taipei Medical University in 2023.

Kai-Chieh is a person of character combining intelligence, creativity, perseverance, and kindness. I feel very confident that he will be extremely successful in all of his future endeavors and his character can certainly make him a valuable member of any academic program. It is therefore without reservations that I recommend him to you for any graduate program that he chooses to attend. I am sure he will be a valuable asset to your department. If you need any more information, please do not hesitate to contact me.

五、整體評估：☑ 極力推薦　☐ 推薦　☐ 勉予推薦　☐ 不推薦

推薦人簽名：Liu, Hua-Shan　　日期：112 年 12 月 01 日
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