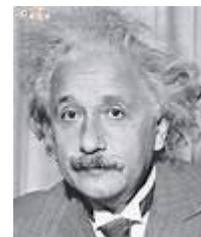


Summer Research Training Program Application (2015)

Personal Information					
Chinese Name	王大偉	Name in Pinyin (Surname, First Name)		Da Wei Wang	
English Name if You Have One	David	Date of Birth (Y-M-D)	1996-03-04	Gender	Male
Present Address	Room 1031, Block 4 of Lantian, Zijingang, Zhejiang University, Hangzhou, Zhejiang Province China, People's Republic of			Postal Code	310058
Permanent Address	Room 1031, Block 4 of Lantian, Zijingang, Zhejiang University, Hangzhou, Zhejiang Province China, People's Republic of			Postal Code	310058
Passport #	259789211	Passport Expiration Date		2019-5-20	
University Name	University System of Taiwan(NCU)	Matriculation Date (Y-M-D)		2012-8-20	
Year Classification	<input type="checkbox"/> Freshman <input type="checkbox"/> Sophomore <input checked="" type="checkbox"/> Junior <input type="checkbox"/> Senior <input type="checkbox"/> Other	Expected Degree (use ✓)		<input type="checkbox"/> Bachelor of Arts <input checked="" type="checkbox"/> Bachelor of Science <input type="checkbox"/> Other	
		Area of Degree		Biological Science	
Current GPA	<u>3.89/4.00</u> (Include 2 decimals)	Expected Date of Graduation (Y-M-D)		2016-7-31	
Ranking	<u>19 / 214</u>	English Proficiency		GRE: TOEFL: iBT70	
List three relevant science courses taken during the past year.					
Course #1	Microbiology and Experiments(A)	Course #1 Grade		95/100	
Course #2	Animal Physiology and Experiment (A)	Course #2 Grade		95/100	
Course #3	Developmental Biology	Course #3 Grade		95/100	
Do you need to add an additional undergraduate institution?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	



<p>Please describe any prior research experience you have participated in (900 characters max).</p>	<p>I have entered in the laboratory of cancer and stem cell biology as a sophomore, where the practice and work have composed my main research experience. Here I spent much time on research training within more than a year. Up to now, I have obtained several frequently used experimental techniques, such as gene cloning, cell culture, transient transfection of cells, pull-down assay, Western blot and so forth.</p> <p>Not only have I learned techniques mentioned above, but also I has participated in research project. The project, which is linked to my student research training program (SRTP), is relevant to the reversion of histone methylation, an important category of regulative epigenetic marks. According to previous studies, basic residues on histones, namely arginines, lysines and histidines are the sites of methylation, and some of their methylated forms could be reversed via various enzymatic processes. These opposed processes are finely regulated and have complicated interactions with each other, of which the disruption may lead to serious abnormality of organisms. In the project, we try finding new reversed ways and studying their biological effects in cancer. Besides conducting some experiments, I as well as my collaborator have read numerous relevant papers and written a review.</p>
<p>Please explain why you wish to participate in this program (900 characters max).</p>	<p>After consideration, I decide to participate in this program in UCSD for several reasons. I have not participated in exchange before, and I wish to obtain this opportunity.</p> <p>Firstly, I hope to improve my abilities of scientific research through this program. My major is biological science, which requires knowledge in the cutting edge and skilled experimental abilities. UCSD is a world-famous research-oriented university with outstanding basis of biological science, which could be reflected by her numerous celebrated alumni who go in for biological research. I believe that in the program, I could gain valuable opportunities to acquire relevant knowledge and improve my experimental capacity.</p> <p>Meanwhile, this program could be an opportunity for me to improve my capacity of communication. I plan to go abroad for further study after getting my bachelor degree, so communicational ability, especially that in English is significant. I believe this program could provide opportunities for communication in experiment, study, daily life and so on.</p> <p>Additionally, I think the program would broaden my horizon, providing chances to experience different cultures and life styles. In my opinion, if accessible, this program would become my precious memory.</p>

	<p>In conclusion, the program could provide opportunities for self-enhancement in many respects, so it would be my great honor if I could participate in it.</p>
<p>Please describe your scientific interests (900 characters max).</p>	<p>My interests in the field of biological science mainly concentrate on epigenetic modifications and issues about human health such as cancer. The role of epigenetic modifications in cancer is a field I am most interested in. Up to date, more than ten kinds of covalent modifications on DNA or histones have been identified, while their complicated and prolonged effects to the behaviors of cells have been reported by lots of studies. Although not presented as nucleotide sequences, which is the widely-known form of storage of genetic information, they could also compose codes with certain hereditary effects. However, many details of their organization, heredity and effects remain unknown. Among the issues of these modifications, their roles in cancer is a hot topic, whereas the knowledge about how the effects emerge in the dramatic network contains different modifications and other factors is still limited for the complexity of interactions, lack of knowledge about mechanisms of modification and so on.</p>
<p>Please describe your career goals (900 characters max).</p>	<p>I have decided to go in for biological research, as I am interested in this field and believe I could persist for this ideal. In order to accomplish it, I plan to pursue further education after graduation from my present school. Then I would like to take the doctor's degree related to biological science abroad. My next plan is to enter universities or other research institutes to conduct researches relevant to the fields I am interested in. Eventually, I hope I could possess my own research team.</p>
<p>I certify that all information provided by me in this application, including any supplemental forms, is correct and accurate to the best of my knowledge. I understand that any false information provided could be grounds for termination of my application, or if subsequently enrolled, termination of my studies. In place of your signature, please type your full legal name. _____ Da Wei Wang (請記得親筆簽名) _____</p>	