

# 2024 Health Science Summer Program for Youth at GRC

Time	Aug. 5	Aug. 6	Aug. 7	Aug. 8	Aug. 9
9:00 – 12:30	<p><b>Check-in</b></p> <p><b>Program Introduction</b> GRC: Prof. Chih-Hao Lee HSPH: Prof. Liming Liang</p> <p><b>Health Science Theme Icebreaker Games</b></p>	<p><b>Courses II</b></p> <ul style="list-style-type: none"> <li>• Topic 4 Using human induced pluripotent stem cells as a model for investigating endothelial cell vulnerabilities</li> <li>• Topic 5 Interplay between public health studies and disease treatment</li> <li>• Topic 6 Using biostatistics to decode health disparity in genetic research</li> </ul> <p><b>Panel Discussion</b></p>	<p><b>Career Development Discussion with Students</b></p> <p><b>Prof. Liming Liang</b> How to ask research questions</p> <p><b>Research Project Hackathon Prep. II</b> Talk: How to present for research conference</p>	<p><b>Research Project Hackathon Prep. III</b></p> <ul style="list-style-type: none"> <li>• Research Idea Generation &amp; Consolidation</li> </ul>	<p><b>Research Project Hackathon Prep. V</b></p> <ul style="list-style-type: none"> <li>• Presentation Preparation</li> </ul>
12:30 -13:30	<b>Lunch Break</b>				
13:30 -17:00	<p><b>Courses I</b></p> <ul style="list-style-type: none"> <li>• Topic 1 Researching the world's deadliest infectious disease: tuberculosis</li> <li>• Topic 2 Biological science in environmental health</li> <li>• Topic 3 Malaria: ancient enemy, new threats.</li> </ul> <p><b>Panel Discussion</b></p>	<p><b>Courses III</b></p> <ul style="list-style-type: none"> <li>• Topic 7 Protein misfolding problem in Neurodegenerative diseases</li> </ul> <p><b>Research Project Hackathon Prep. I</b></p> <ul style="list-style-type: none"> <li>• Talk: Training on Research Writing</li> <li>• Group Breakout</li> <li>• Hackathon Demo</li> </ul>	<p><b>Interdisciplinary Experts Talks &amp; Panel Discussions</b></p> <p>Hung-Yuan Li, MD PhD (台大醫院/糖尿病關懷基金會) From Physician, Scientist, to CEO- Introduction of the Formosa Diabetes Care Foundation</p> <p>Tsung-Pin Pai, PhD (安基生技): Translational Research: From Science to Saving Lives</p> <p>Wei Chen, PhD (GRC) Nanomedicine and Biomaterials in Disease Treatment</p> <p>Chi-Cheng Fu, PhD (NVIDIA Lecture) Empowering Biomedical Science through AI</p>	<p><b>Research Project Hackathon Prep. IV</b></p> <ul style="list-style-type: none"> <li>• Topic Research</li> <li>• Poster Preparation</li> </ul>	<p><b>Presentation &amp; Competition</b></p> <p><b>Award Ceremony Closing Remarks</b></p>

