

2020 NTHU-DMS Summer Reading/Writing Assignment

Book (十選一)

Infectious Disease	<p>下一場人類大瘟疫：跨物種傳染病侵襲人類的致命接觸(Spillover Animal Infections and the Next Human Pandemic)</p> <p>原文作者： David Quammen 出版社：漫遊者文化</p>
Cell Biology	<p>細胞：影響我們的健康、意識以及未來的微觀世界內幕 (The Cell: Discovering the Microscopic World that Determines Our Health, Our Consciousness, and Our Future)</p> <p>原文作者：Joshua Z. Rappoport 出版社：商周出版社</p>
Cancer	<p>細胞反叛 (One Renegade Cell: How Cancer Begins)</p> <p>原文作者：Robert A. Weinberg 出版社：天下文化出版社</p>
Microbiology	<p>細菌：我們的生命共同體 (Bund fürs Leben: Warum Bakterien unsere Freunde sind)</p> <p>原文作者：Hanno Charisius, Richard Friebe 出版社：商周出版社</p>
Technology	<p>基因編輯大革命：CRISPR 如何改寫基因密碼、掌控演化、影響生命的未來 (A Crack in Creation: Gene Editing and the Unthinkable Power to Control Evolution)</p> <p>原文作者：Jennifer A. Doudna, Samuel H. Sternberg 出版社：天下文化出版社</p>
Publish Health	<p>肝炎聖戰：台灣公共衛生史上的大勝利</p> <p>作者：楊玉齡, 羅時成 出版社：天下文化出版社</p>
Physiology	<p>大口一吞，然後呢？：深入最禁忌的消化道之旅 (Gulp: Adventures on the Alimentary Canal)</p> <p>原文作者：Mary Roach 出版社：天下文化出版社</p>
Immunology	<p>免疫的威力：免疫力，就是最好的醫生！治癒過敏、發炎與癌症的免疫醫療法</p> <p>作者：伍焜玉 出版社：遠流出版社</p>
Pathology	<p>有趣到讓你不睡的路理學通識</p> <p>作者：仲野徹 出版社：大是文化</p>
Medical ethics	<p>海拉細胞的不死傳奇 (The immortal life of Henrietta Lacks)</p> <p>原文作者：Rebecca Skloot 譯者：賴盈滿 出版社：遠流</p>

TED Talk

Cancer	<p>The future of early cancer detection https://www.ted.com/talks/jorge_soto_the_future_of_early_cancer_detection</p> <p>The new superweapon in the fight against cancer https://www.ted.com/talks/paula_hammond_a_new_superweapon_in_the_fight_against_cancer</p> <p>A living drug that could change the way we treat cancer https://www.ted.com/talks/carl_june_a_living_drug_that_could_change_the_way_we_treat_cancer</p>
Vaccine	<p>HIV and flu – the vaccine strategy https://www.ted.com/talks/seth_berkley_hiv_and_flu_the_vaccine_strategy</p>

Technology	Can we cure genetic diseases by rewriting DNA https://www.ted.com/talks/david_r_liu_can_we_cure_genetic_diseases_by_rewriting_dna
Genomics	Welcome to the genomic revolution http://www.ted.com/talks/richard_resnick_welcome_to_the_genomic_revolution.html
Stem Cell	The promise of research with stem cells https://www.ted.com/talks/susan_solomon_the_promise_of_research_with_stem_cells
Microbiology	The coming crisis in antibiotics https://www.ted.com/talks/ramanan_laxminarayan_the_coming_crisis_in_antibiotics
Microbiota	How we study the microbes living in your gut https://www.ted.com/talks/dan_knights_how_we_study_the_microbes_living_in_your_gut?
Neuroscience	A map of the brain http://www.ted.com/talks/allan_jones_a_map_of_the_brain.html
Aging	Experiments that hint of longer lives http://www.ted.com/talks/cynthia_kenyon_experiments_that_hint_of_longer_lives.html

1. 請看過所有TED演講與指定書籍(十選一)，並理解內容。我們將在大一的「醫學科學導論」課程中對這些指定閱覽資料進行討論。
2. 請任選其中一個Ted Talk的演講，以英文準備 powerpoint 簡報(約6-10 張投影片)，開學時須在「醫學科學導論」課程中以英文進行 5 分鐘的內容簡介與心得報告。
3. 請以英文撰寫指定書籍(十選一)的讀書心得報告，在「醫學科學導論」課程中繳交。以不超過2 頁A4 紙為原則，12 號字體，Times New Roman 字型，單行間距。內容分三段: 1) 簡述本書內容；2) 書中最令你印象深刻的人事物；3)你喜歡或不喜歡這本書以及原因。**嚴禁抄襲!**