

Contact



Programming skills

- Python
- Pandas
- Matplotlib
- R
- tidyverse
- RMarkdown / Quarto
- SQL
- Tableau
- Git
- GitHub

Jennifer Hsuan-Yu Lin

Data analytics projects

Molecular similarities in selected COVID-19 antivirals

- 2022 Cheminformatics project on molecular similarities between selected COVID-19 antivirals by using RDKit (Python)
 Jupyter notebook in Anaconda & RStudio IDE

Long COVID - an update

- 2022 An update to show co-morbidities with high risk factors to suffer from long COVID - interactive map and PDF data scraping (R & Python)
 RStudio IDE

Phenotypes associated with rare diseases

- 2022 Revealed the most common rare disorders and their associated phenotypic features (R & Python)
 RStudio IDE & Jupyter notebook in Anaconda

Natural history of rare diseases - malformation syndrome

- 2022 Focussed on malformation syndrome and life spans (Python)
 Jupyter notebook in Anaconda

Long COVID data in SQL & Tableau dashboard

- 2022 Diverse long COVID symptoms showcased in SQL and Tableau dashboard.
 Dbeaver & Tableau Public


Drugs in rare diseases

- 2022 Showed top 10 drugs that used the longest time to develop from FDA's Orphan Drug Product designation database (Python & R)
 RStudio IDE & Jupyter notebook in Anaconda
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Certification

Data Science Professional Certificate


- 2022 Coursera - started from 11-9-2021 and completed by 28-1-


| 2022
2021  IBM


Volunteering work


Rotating Curator for the @RLadiesGlobal community
2022 @WeAreRLadies - for the week from 24-10-2022 to 29-10-2022 (via invitation by RoCur team)
 Twitter

Work experience


2022 **Registered pharmacist**
| Unichem Spitfire Square Pharmacy
2021  Canterbury, New Zealand

2020 **Registered pharmacist**
| Christchurch Hospital Pharmacy
2019  Canterbury, New Zealand

2019 **Registered pharmacist**
| Calvary Healthcare Kogarah
2012  New South Wales, Australia

Registered pharmacist
2012 Intern pharmacist in 2007. Community pharmacies from
| 2008 to 2009. Christchurch hospital pharmacy from 2009 to
2008 2012.
 Canterbury, New Zealand

Education

2019 **Doctor of Philosophy**
| University of Sydney - thesis title: [The use of computer-aided drug design in small molecule drug discovery](#)
2015  New South Wales, Australia

Master of Philosophy

2014 University of Sydney - thesis title: Design, synthesis and testing of novel anti-cancer agents targeting secretary pathway calcium ATPase
2012 pathway calcium ATPase
📍 New South Wales, Australia

2006 **Bachelor of Pharmacy**
| University of Otago
2003 📍 Otago, New Zealand

📖 Publications

Discovery of 2',6-Bis(4-hydroxybenzyl)-2-acetylcyclohexanone, a Novel FtsZ Inhibitor
2022 By Lin H-Y J, Battaje RR, Tan J, Doddareddy M, Dhaked HPS, Srivastava S, Hawkins BA, Al-Shdifat LMH, Hibbs DE, Panda D, Groundwater PW.
📍 Molecules. 2022; 27(20), 6993. (IF = 4.927)

A novel class of thiosemicarbazones show multi-functional activity for the treatment of Alzheimer's disease
2017 By Palanimuthu D, Poon R, Sahni S, Anjum R, Hibbs D, Lin J H-Y, Bernhardt PV, Kalinowski DS, Richardson DR.
📍 Eur J Med Chem. 2017; 139: 612-632. (IF = 4.816)

Identification of agents targeting FtsZ assembly
2016 By Panda D, Bhattacharya D, Gao QH, Oza PM, Lin J H-Y, Hawkins B, Hibbs DE, Groundwater PW
📍 Future Med Chem. 2016; 8(10):1111-32. (IF = 3.969)

Identification of dual PPAR α / γ agonists and their effects on lipid metabolism
2015 By Gao Q, Hanh J, Váradi L, Cairns R, Sjöström H, Liao VW, Wood P, Balaban S, Ong JA, Lin J H-Y, Lai F, Hoy AJ, Grewal T, Groundwater PW, Hibbs DE
📍 Bioorg Med Chem. 2015; 23(24):7676-84. (IF = 2.881)
