Contact

🏠 🐙 ✉️ 🐦 in

Programming skills

🐍 Python
⊞ Polars
⊞ Pandas
📊 Matplotlib
🖥 scikit-learn
Ⓡ R
📈 tidyverse
M↓ RMarkdown / Quarto
🗄 SQL
🗔 Tableau
🔀 Git
🐙 GitHub

Jennifer HY Lin

🕸 Data analytics projects

Small molecules in ChEMBL database

2022   Polars dataframe library (with Python binding) and scikit-learn used for small molecules from ChEMBL database (Python)
📍 Jupyter Lab & RStudio IDE

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

✹ Certification

2022
|
2021

Data Science Professional Certificate (in Python)
Coursera - started from 11-9-2021 and completed
by 28-1-2022
📍 IBM

🤝 Volunteering work

2022

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

💼 Work experience

2022
|
2021

Registered pharmacist
Unichem Spitfire Square Pharmacy
📍 Canterbury, New Zealand

2020
|
2019

Registered pharmacist
Christchurch Hospital Pharmacy
📍 Canterbury, New Zealand

2019
|
2012

Registered pharmacist
Calvary Healthcare Kogarah
📍 New South Wales, Australia

2012
|
2008

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

🎓 Education

2019
|
2015

Doctor of Philosophy
University of Sydney - thesis title: The use of
computer-aided drug design in small molecule drug
discovery
📍 New South Wales, Australia

2014
|
2012

Master of Philosophy
University of Sydney - thesis title: Design, synthesis
and testing of novel anti-cancer agents targeting

secretary pathway calcium ATPase

📍 New South Wales, Australia

2006 | 2003 **Bachelor of Pharmacy**
University of Otago
📍 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 PPARα/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)

CV made with ❤️ and Quarto. Last updated on Dec 27, 2022.
Code available from ⚙ GitHub with original source code from ⚙ GitHub.
License: CC BY-SA 2.0.