# JENNIFER HY LIN

## 📖 DATA ANALYTICS PROJECTS

**current | 2022**

### Phenotypes associated with rare diseases[1]
RStudio and Jupyter notebook in Anaconda

📍 Portfolio

- Exploratory data analysis stage
- Used R mainly with some Python initially for data cleaning

**current | 2022**

### COVID-19 antivirals in phase 3 clinical trials
RStudio and/or Jupyter notebook in Anaconda

📍 Portfolio

- Data wrangling stage
- Data collected from ClinicalTrials.gov

**2022 | 2022**

### Drugs in rare diseases[2]
RStudio and Jupyter notebook in Anaconda

📍 Portfolio

- Completed
- Two R versions with one in base R and the other in Tidyverse
- Python version available

**2022 | 2022**

### Natural history of rare diseases – malformation syndrome[3]
Jupyter notebook in Anaconda

📍 Portfolio

- Completed
- All in Python

**2022 | 2022**

### Long COVID data in SQL[4]
Dbeaver

📍 Portfolio

- Completed
- Used mySQL server

**2022 | 2022**

### Long COVID dashboard[5]
Tableau Public

📍 Portfolio

- Completed
- Dataset from journal paper

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## CONTACT

- ✉ jennyhylin@gmail.com
- 🐦 jenhylin
- ⌂ GitHub
- 🔗 My data analytics and research portfolio
- in LinkedIn profile

## ANALYTIC SKILLS

| Python |
| --- |
| SQL |
| R |
| Matplotlib |
| Seaborn |
| Plotly Dash |
| ggplot2 |
| Tableau |
| Version control with Git |

## 💼 EXPERIENCE

**current | 2021**

### Registered pharmacist
Canterbury, New Zealand 　　　📍 Unichem Spitfire Square Pharmacy

· Locum pharmacist
· COVID-19 vaccinator

**2020 | 2019**

### Registered pharmacist
Canterbury, New Zealand 　　　📍 Christchurch Hospital Pharmacy

· Clinical pharmacist

**2019 | 2012**

### Registered pharmacist
New South Wales, Australia 　　　📍 Calvary Healthcare Kogarah

· Clinical pharmacist

**2012 | 2008**

### Registered pharmacist
Canterbury, New Zealand

· Various community pharmacies from 2008 to 2009
· Christchurch Hospital Pharmacy from 2009 to 2012

## 🎓 EDUCATION

**2019 | 2015**

### Doctor of Philosophy
New South Wales, Australia 　　　📍 University of Sydney

· Medicinal and computational chemistry
· Drug discovery and design
· Thesis title: The use of computer-aided drug design in small molecule drug discovery[6]

**2014 | 2012**

### Master of Philosophy
New South Wales, Australia 　　　📍 University of Sydney

· Medicinal and computational chemistry
· Drug discovery and design
· Thesis title: Design, synthesis and testing of novel anti-cancer agents targeting secretary pathway calcium ATPase[7]

**2006 | 2003**

### Bachelor of Pharmacy
Otago, New Zealand 　　　📍 University of Otago

## 🖥️ CERTIFICATION

**2022 | 2021**

### Data Science Professional Certificate
IBM 　　　📍 Coursera

· Started from 11th September 2021 and completed by 28th January 2022

## PUBLICATIONS

**2017**    ●   **A novel class of thiosemicarbazones show multi-functional activity for the treatment of Alzheimer's disease[8]**

       · Eur J Med Chem. 2017; 139: 612-632. (IF = 4.816)
       · By Palanimuthu D, Poon R, Sahni S, Anjum R, Hibbs D, Lin JHY, Bernhardt PV, Kalinowski DS, Richardson DR.

**2016**    ●   **Identification of agents targeting FtsZ assembly[9]**

       · Future Med Chem. 2016; 8(10):1111-32. (IF = 3.969)
       · By Panda D, Bhattacharya D, Gao QH, Oza PM, Lin JHY, Hawkins B, Hibbs DE, Groundwater PW

**2015**    ●   **Identification of dual PPARα/γ agonists and their effects on lipid metabolism[10]**

       · Bioorg Med Chem. 2015; 23(24):7676-84. (IF = 2.881)
       · By Gao Q, Hanh J, Váradi L, Cairns R, Sjöström H, Liao VW, Wood P, Balaban S, Ong JA, Lin JHY, Lai F, Hoy AJ, Grewal T, Groundwater PW, Hibbs DE