



Pharmaceutical **Innovations** with **Smart Tools**

Saving you time and labour



Discussion

Every good project starts with a plan

Let's Set Up A Meeting!

- We'll discuss your workload and use our industry experience to suggest what solutions could work for you
- We can advise on the feasibility, time and cost of any software or hardware solutions you're interested in



A Quick Look At Our Capabilities

- Create custom websites and web-tools tailored to suit your needs
- Procure and process large datasets through web-scraping and AI analysis
- Tightly integrate Large Language Models with new or pre-existing sites
- Develop custom software to automate internal processes



Case Studies



Case Studies

Click on any of the below to learn more

A webtool for uploading and viewing tabulated data

ASCO Demo

Search Table

Hide Column Highlight Comment Options

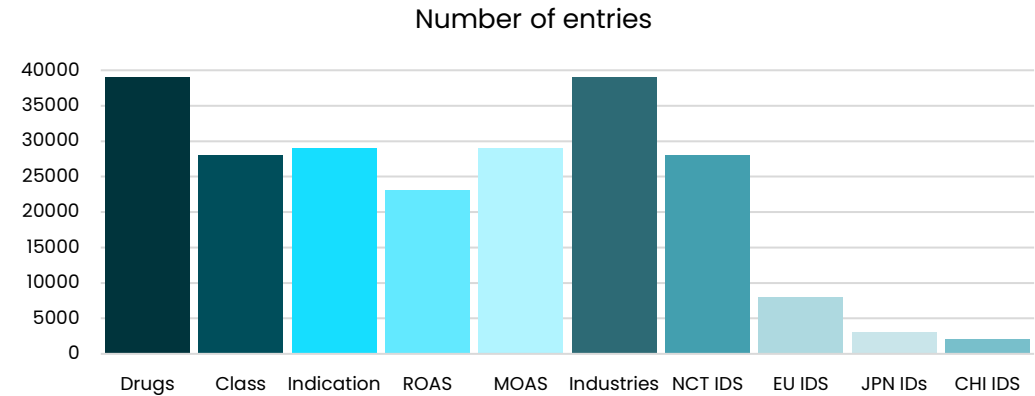
5 items selected Freeze Colour Row Add Save Export

Fri 31 May Sat 1 Jun Sun 2 Jun Mon 3 Jun Tue 4 Jun Posters Publication Only

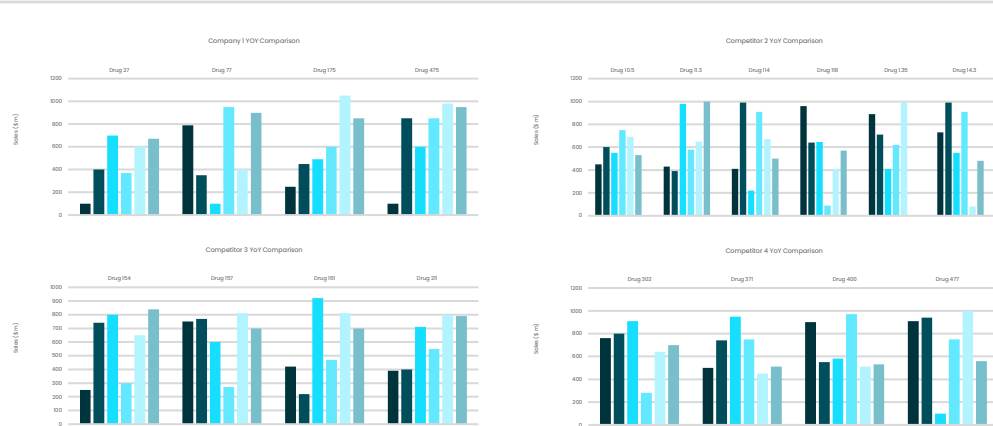
Date (CT)	Session Start Time (CT)	Session End Time (CT)	Type of Session	Session Title	Session Link	Presentation / Abstract Title	Location	Presenting Author
6/1/2024	9:00	12:00	Poster Session	Care Delivery/Models of Care	Link	Geographic and racial disparities in bi-specific antibodies trials access for...	Hall A	Moazzam Shahzad
6/1/2024	9:00	12:00	Poster Session	Care Delivery/Models of Care	Link	Medical expansion and cancer stage at diagnoses during the COVID-19...	Hall A	Xuesong Han
6/1/2024	9:00	12:00	Poster Session	Care Delivery/Models of Care	Link	Importance of information-seeking styles among patients with cancer pre- and post...	Hall A	Sule Yilmaz
6/1/2024	9:00	12:00	Poster Session	Care Delivery/Models of Care	Link	Identifying states for targeted alloHCT access initiatives using social vulnerability...	Hall A	Samantha Watters
6/1/2024	9:00	12:00	Poster Session	Care Delivery/Models of Care	Link	Cancer clinical trial participation in socioeconomically vulnerabl...	Hall A	Katherine Szarama
6/1/2024	9:00	12:00	Poster Session	Care Delivery/Models of Care	Link	Identifying modifiable risk factors to improve immigrant breast cancer screening in th...	Hall A	Patricia Mae Santos
6/1/2024	9:00	12:00	Poster Session	Care Delivery/Models of Care	Link	Patterns of screening and access to care in women diagnosed with breast cance...	Hall A	Shifa Kanjwal

Previous 1 2 3 4 5 Next

A drug database generated from clinical trial sites



Data visualization using Tableau



Automation of Excel/Molecular Dynamics workflows

Last Trial Update	Change	Primary Drug	MoA	Approval Status	Trial Phase	Name of Trial
02/27/23	First Submission	ADK-629	Reactive aldehyde species (RAS) modulator	NME	2	The ADRO Trial: An Adaptive, 2-Part, Phase 2 Clinical Trial Invest.
03/10/23	First Submission	zabedoser lib	Interleukin-1 receptor associated protein kinase 4 inhibitor	NME	2	A Randomized, Placebo-controlled, Double-blind, Parallel-group,
12/02/22	First Submission	ART-648 (tablet)	Phosphodiesterase 4 inhibitor	NME	2	Phase 2 clinical trial evaluating the efficacy and safety of ART-64
01/26/23	First Submission	Hemay-005	Phosphodiesterase 4 inhibitor	NME	2	A multicenter, randomized, double-blind, placebo-controlled ph
10/12/22	First Submission	KBL-697; KBL-693	Lactobacillus crispatus	NME	2	A 12 Week, Randomized, Double-blind, Placebo-Controlled Clinic
02/22/23	First Submission	QX-005N	Interleukin 4 receptor antagonist	NME	2	A randomized, double-blind, placebo controlled, multicenter stu
02/01/23	First Submission	ebilasakim ab	Interleukin 13 receptor antagonist	NME	2	A Randomized, Double-Blind, Placebo-Controlled, Multicenter Tr
02/24/23	First Submission	CM-326	Thymic stromal lymphopoietin inhibitor	NME	2	A Randomized, Double-blind, Placebo-controlled Phase II Clinical
02/09/23	First Submission	6il	Interleukin 4 receptor antagonist	NME	2	A Multi-Centered, Randomized, Double-Blinded, Placebo-Contro
02/23/23	First Submission	ADK-914	Interleukin 7 receptor antagonist	NME	2	A Randomized, Double-Blind, Placebo-Controlled Phase 2a Proof

Case Study

A web app for customizing & sharing tables

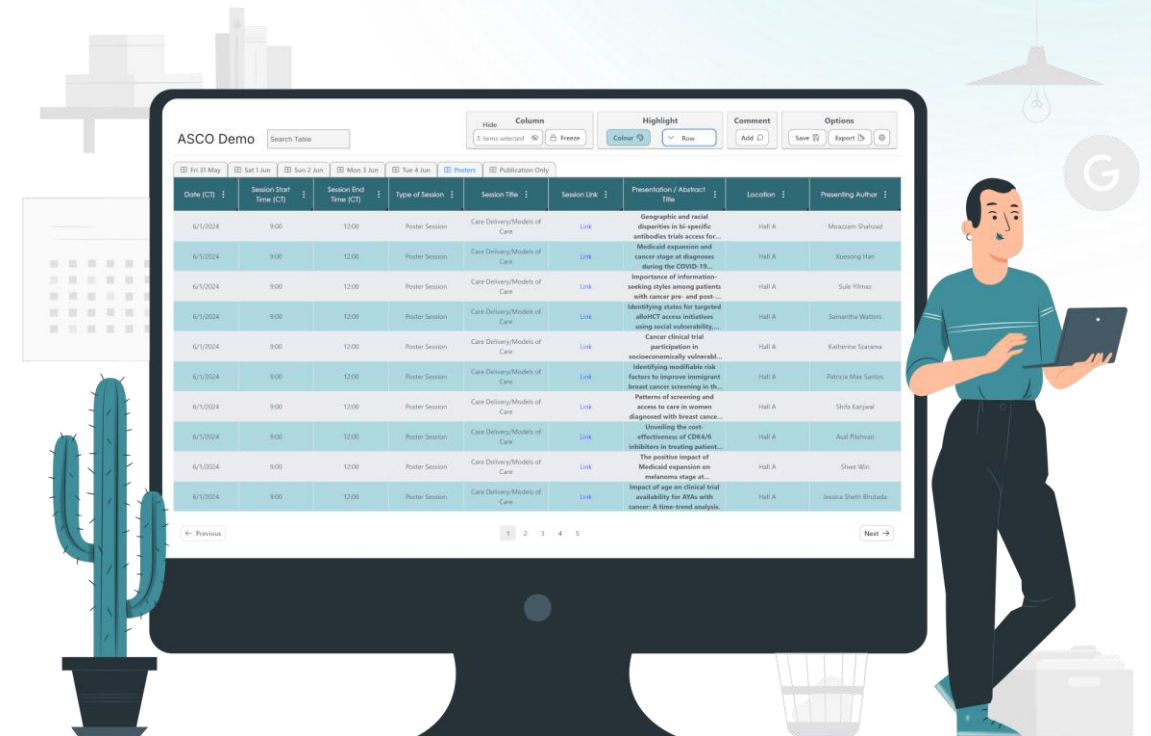
01 Background

- For this project the client needed a web app to upload, customize and share tabulated data
- The purpose was to have a simpler interface than excel while adding more management options and easy sharing

02 App Creation

- To reduce costs and improve integration, we developed the app on the client's existing web platform
- Using PHP and React, we developed an interface with the core features from excel, such as highlighting, searching and filtering
- To ensure interoperability with excel, we added the ability to import/export excel files
- To make it easier to share, we enabled the project manager to add existing users on the platform or invite new users

A sample of excel data on the platform





Case Study

Generating a database of drug information

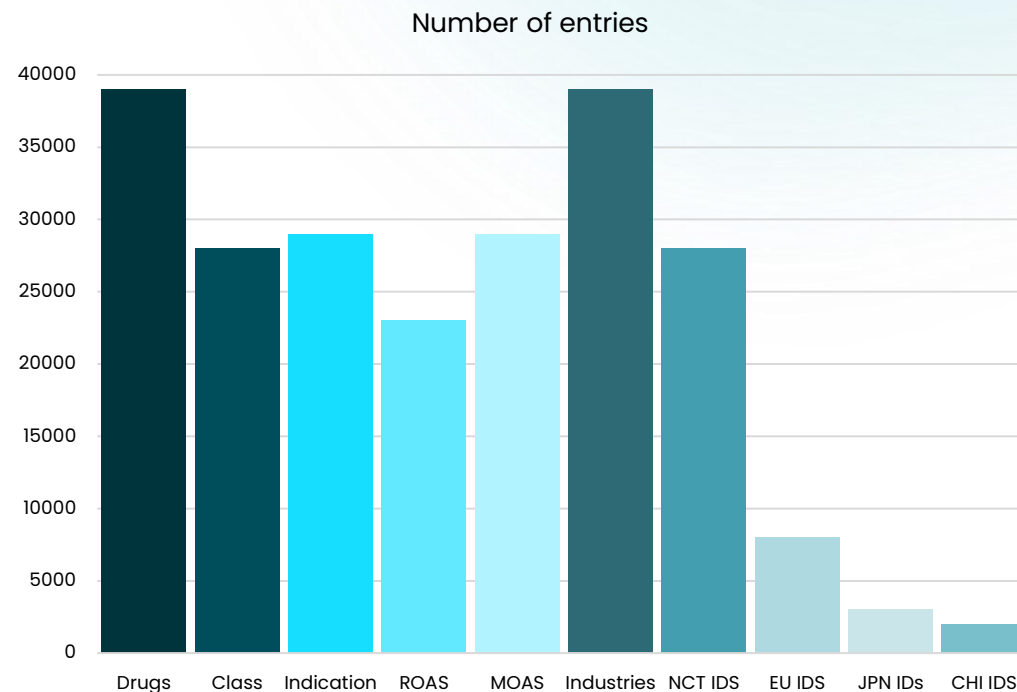
01 Background

- This project focused on generating a comprehensive database of drug names and details for the client
- The result was a database that could be referenced for any project concerning drugs

02 Database Creation

- Our starting point was publicly available clinical trial data which often contained a lot of details on the drug being tested
- We then processed this in several stages using a mix of traditional and AI analysis
- Our traditional analysis cleaned up the data, removed bad data & improved consistency by linking similar records
- Our AI analysis allowed us to categorize unspecific data, extract data from text blocks and highlight false positives

Statistics on the database contents



Case Study

Data visualization using Tableau

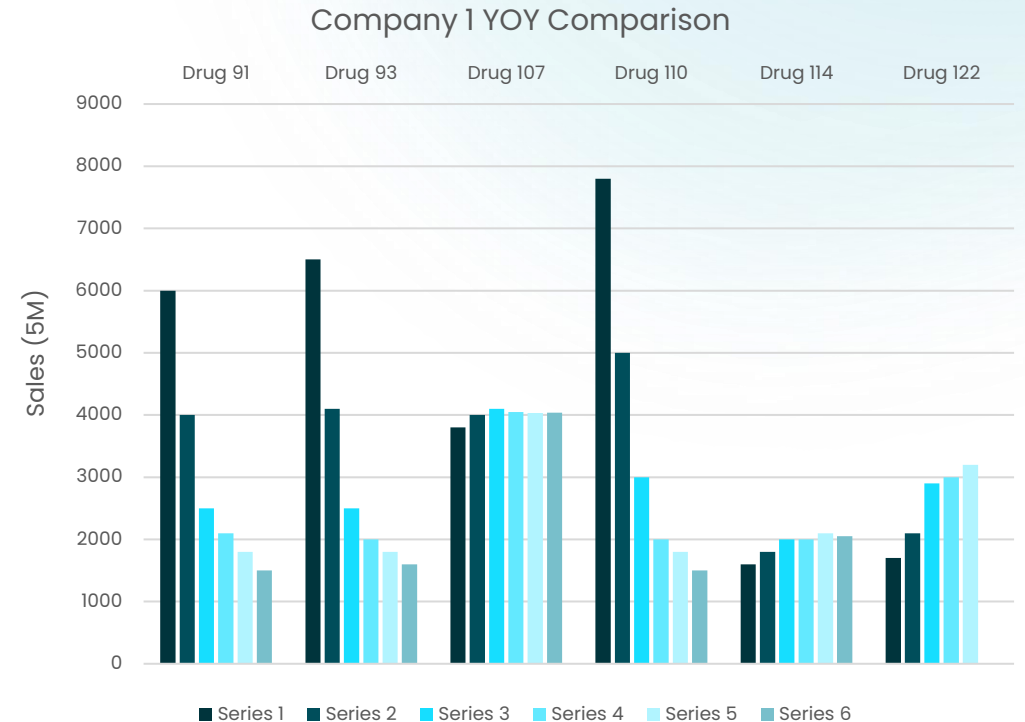
01 Background

- The client used Tableau to visualize their excel data in a workbook
- The staff who developed it had since left meaning it couldn't be updated
- We studied the structure of the workbook and resolved a number broken sections
- We then simplified the inputs, unified the interfaces, and created powerful new visualizations

02 Results

- Workbook updates are now quick and simple, allowing continuous updating by just a single team member of our team
- The workbook has newly added value through the additional visualizations that the client couldn't implement alone

A new visualization from the workbook



Case Study

Automating Workflows

01 Excel

- Our client workflow involved manually creating excel workbooks by copying data from online clinical trial sites
- Using python, we automated retrieving this data, cleaning it and populating a template excel workbook the client provided
- We also automated the update process, retrieving any changes and highlighting them

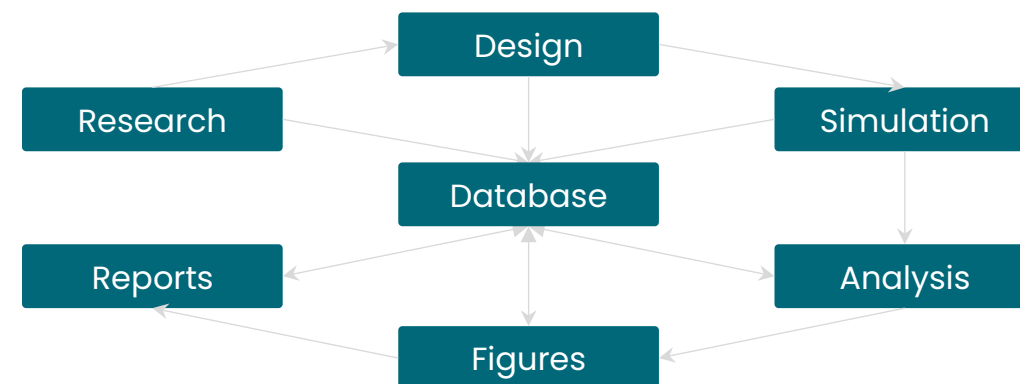
02 Molecular Dynamics

- Our client was designing proteins and simulating them with using MD
- These simulations involve many manual steps and produce a large amount of data which needs to be analysed
- could automatically simulate, analyse and even do reporting using data recorded at every step

A section of the excel workbook

Last Trial Update	Change	Primary Drug	MoA	Approval Status	Trial Phase	Name of Trial
02/27/23	First Submission	ADX-629	Reactive aldehyde species (RAS) modulator	NME	2	The ADRO Trial: An Adaptive, 2-Part, Phase 2 Clinical Trial Invest.
03/10/23	First Submission	zabedoseritib	Interleukin-1 receptor associated protein kinase 4 inhibitor	NME	2	A Randomized, Placebo-controlled, Double-blind, Parallel-group,
12/02/22	First Submission	ART-648 (tablet)	Phosphodiesterase 4 inhibitor	NME	2	Phase 2 clinical trial evaluating the efficacy and safety of ART-64
01/26/23	First Submission	Hemay-005	Phosphodiesterase 4 inhibitor	NME	2	A multicenter, randomized, double-blind, placebo-controlled phu
10/12/22	First Submission	KBL-697; KBL-693	Lactobacillus crispatus	NME	2	A 12 Week, Randomized, Double-blind, Placebo-Controlled Clinic
02/22/23	First Submission	QX-005N	Interleukin 4 receptor antagonist	NME	2	A randomized, double-blind, placebo controlled, multicenter stu
02/01/23	First Submission	eblasakimab	Interleukin 13 receptor antagonist	NME	2	A Randomized, Double-Blind, Placebo-Controlled, Multicenter Tr
02/24/23	First Submission	CM-326	Thymic stromal lymphopoietin inhibitor	NME	2	A Randomized, Double-blind, Placebo-controlled Phase II Clinical
02/09/23	First Submission	611	Interleukin 4 receptor antagonist	NME	2	A Multi-Centered, Randomized, Double-Blinded, Placebo-Contro
02/23/23	First Submission	ADX-914	Interleukin 7 receptor antagonist	NME	2	A Randomized, Double-Blind, Placebo-Controlled Phase 2a Proof

A broad overview of the workflow



Case Studies

Key Takeaways



Seamless Integration with Existing Platforms

- Optimized workflows by integrating solutions into clients' existing infrastructures (e.g., PHP and React for the web app).
- Reduced costs and minimized disruption by building on familiar platforms, making adoption easier.

Enhanced Usability and User-Centric Solutions

- Simplified complex processes, making tools more accessible for non-technical users (e.g., Tableau visualization updates, web app customization).
- Improved collaboration and sharing with user-friendly interfaces and enhanced sharing features (e.g., web app for customizing and sharing tables).

Data-Driven Innovation and Automation

- Leveraged a mix of traditional analysis and AI to process complex datasets, improving consistency and accuracy (e.g., drug database creation).
- Automated manual workflows, significantly reducing time spent on repetitive tasks and increasing efficiency (e.g., Excel and Molecular Dynamics automation).

Cutting-Edge Data Visualization and Reporting

- Created new, powerful visualizations that provided fresh insights and added value beyond client expectations (e.g., Tableau visualizations).
- Streamlined reporting capabilities, automating the generation of comprehensive reports directly from live data (e.g., Molecular Dynamics workflow).

Meet the Team!



Meet The Team!



Muhamad Jaafar
Data Analyst



2 years statistical and
AI analysis experience



Zein Jaafar
Founder



4 years experience in life
sciences, data analysis
and web development



Jaafar Ali Jaafar
Frontend developer



3 years experience in UI and
frontend development

Our Contacts



Contact Us!

Let's Bring Your Vision to Life

→ We're here to help you innovate, streamline, and succeed. Reach out to discuss how our team can deliver tailored solutions for your business.



Email

contact@zano.ie



Website

[Zano.ie](https://zano.ie)



LinkedIn

[Click to visit](#)

