Abdalla Diaai

👤 Profile

Senior Scientist with 10+ years of experience applying in-depth knowledge of signaling pathways, cancer/molecular biology and CRISPR in drug discovery projects.

💼 Employment History

Senior Scientist at AstraZeneca, Cambridge

November 2022 — Present

– To genetically engineer complex cell lines using cutting edge editing techniques and to develop assays for drug discovery projects in neuroscience and oncology. To incorporate automation in lab process to increase efficiency and decrease timeline for cell line generation, assay development and target validation processes.

Senior Scientist at Cancer Research UK, Cambridge

November 2021 — October 2022

– To develop a high content imaging assays to perform antibody screen for inhibitors of pluripotent transcription factor in patient derived glioblastoma stem cells. To generate cell line models and establish functional assays to perform the antibody screens, test binding and validate intended targets in a high-throughput fashion.

Higher Scientific Officer at The Institute of Cancer Research, London

January 2020 — October 2021

– To develop a multi-colour competition assay to validate BRCA1/BRCA2 synthetic lethal DNA damage response targets in a medium throughput manner in different cancer cell lines with various genetic backgrounds.

Scientific Support Specialist at Horizon Discovery, Cambridge

January 2019 — November 2019

– To provide technical and scientific product support to customers requesting product guidance and/or troubleshooting experimental procedures for Horizon products by phone, email and online chat.

Research Fellow at Helmholtz Centre, Munich

January 2018 — December 2018

– To establish an assay and stable cell lines to perform a CRISPR-Cas9 library screen for HDR modulators.

Postdoctoral Fellow at University of Aberdeen, Aberdeen

January 2016 — December 2017

– To investigate the therapeutic and the pathological role of Hippo YAP in embryonal rhabdomyosarcoma (Mohamed et al. Scientific Reports, 2018).

Details

London
United Kingdom
07507 516808
abdalla.diaai@outlook.com

Publications

Pubmed

Skills

Cancer Biology

High-throughput screening

Drug Discovery

Automation

Python, R

Languages

Arabic

English

PhD Graduate Student at University of Aberdeen, Aberdeen

October 2012 — September 2015

− To elucidate the biological differences between Hippo YAP and TAZ transcriptional co-activators in skeletal muscle physiology and rhabdomyosarcoma (Mohamed et al. The Journal of Pathology, 2016, Sun, De Mello, Mohamed et al. Stem Cells, 2017 and Figeac, Mohamed et al. J Cell Sci, 2019).

Professional sales representative at Pfizer Saudi Arabia, Riyadh

December 2008 — May 2011

− To service existing customers, obtain new customers, organize meetings and workshops to provide healthcare professionals with updates about Pfizer products. I participated in the rebranding and re-launch of Champix. I was the best achiever of genitourinary business unit for two consecutive years in the central zone.

Sales representative at Pfizer Egypt, Zagazig

December 2006 — November 2008

− To resolve customer issues by investigating problems; developing solutions; preparing reports; making recommendations to management. To Monitor competition by gathering data on market share, pricing and new products. I restored the market share of Lipitor up to 30% from 15% within two years.

Sales representative at Apex Pharma Egypt, Zagazig

February 2005 — November 2006

− To launch a generic drug to Plavix® to cardiovascular and cardiothoracic physicians. To promote the company products to healthcare professionals and hospitals. To increase the market share of the company products in the market.

🎓 Education

Molecular Biology, University of Aberdeen, Aberdeen

October 2012 — September 2015

Master of Science, University of Aberdeen, Aberdeen

September 2011 — September 2012

Pharmaceutical sciences, Zagazig University, Zagazig

September 1999 — May 2004

Projects Portfolio:

Networking application:
Languages used: Python, JavaScript, Django, HTML, CSS.
GitHub repository url: https://github.com/abdalla-diaai/network

Auction application:
Languages used: Python, Django, HTML, CSS..
GitHub repository url: https://github.com/abdalla-diaai/auction

Mail webserver application:
Languages used: Python, JavaScript, Django, HTML, CSS.
GitHub repository url: https://github.com/abdalla-diaai/mail

Scientific Database application (still in progress):
Languages used: Python, Django, HTML, CSS.
GitHub repository url: https://github.com/abdalla-diaai/A-Z-database

Weather Dashboard application:
Languages used: JavaScript, HTML, CSS + APIs.
GitHub repository url: https://github.com/abdalla-diaai/open-weather-dashboard

Calevent application (Group project):
Languages used: JavaScript, HTML, CSS + APIs.
GitHub repository url: https://github.com/abdalla-diaai/calevent