

OLA ASEM MAHMOUD ABDOU ALI

Senior Rotational Pharmacist | GPhC Reg. No. 2236654

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PROFILE

GPhC-registered Senior Rotational Pharmacist at London North West University Healthcare NHS Trust, working across acute hospital rotations. Previous research includes Medical Affairs research at Pfizer UK and laboratory and quantitative research at the University of Nottingham in experimental pharmacology, nanotechnology, biomaterials and survey methods. First-Class MPharm graduate with peer-reviewed publication and conference presentation experience.

EDUCATION AND ACADEMIC DISTINCTIONS

MPharm (Hons) Pharmacy - First Class	2019 - 2023
<i>University of Nottingham, United Kingdom</i>	
- Dean's Excellence Scholarship (2020-2023) and High Achiever's Scholarship (2019), awarded for academic performance in the top 10% of the cohort. - Achieved the highest cohort mark in Cancers, Renal and Endocrine Diseases, Cardiovascular, and Being a Pharmacist. - Dissertation - Investigation of anti-tumour effects of benzoprimis: evaluated compound activity in RAS-mutant colorectal cancer cell lines using mammalian cell culture, MTT and clonogenic assays. - Additional research training included survey design and SPSS analysis, critical review of CRISPR-Cas9 in cystic fibrosis, and an antimalarial drug-target and lead-design proposal.	
A Levels - 3 A*	2016 - 2018
<i>IISM Secondary School, Selangor, Malaysia</i>	
3 A*: Mathematics, Biology and Chemistry.	

RESEARCH EXPERIENCE

Trainee Pharmacist, Medical Affairs	Aug 2023 - Jul 2024
<i>Pfizer UK</i>	
- Co-authored a real-world patient-experience study examining 618,682 public comments, including 137,143 relating to hospitalised patients treated for infection in England. - The study used AI-assisted classification of patient comments into person-centred care domains and statistical comparison of experience scores; findings were presented at the BSAC Spring Conference 2024. - Authored evidence-based clinical prescribing resources on anticoagulants and insulin, translating complex pharmacology and guidance into structured educational content.	
Undergraduate Research Assistant	2020 - 2022
<i>University of Nottingham</i>	
- First-authored a peer-reviewed review on nanotechnology-enabled epilepsy treatment, critically synthesising evidence on blood-brain barrier penetration, bioavailability and limitations of current therapy. - Optimised stereolithographic 3D printing of GelMA/GelMA-PEGDA hydrogels by varying formulation and printer parameters; synthesised hydrogels, designed constructs in TinkerCAD and assessed cell printability. - Co-developed a study of COVID-19 vaccine perceptions among Malaysians: formulated survey questions, recruited participants and analysed responses using SPSS.	

CLINICAL AND PROFESSIONAL EXPERIENCE

Senior Rotational Pharmacist (Band 7)	Dec 2025 - Present
<i>London North West University Healthcare NHS Trust</i>	
- Apply clinical pharmacology and evidence-based guidance to support safe, patient-centred use of medicines across acute hospital rotations. - Developed a local Trust guideline on rituximab use across wards and clinics, covering prescribing, screening and administration, to standardise practice for pharmacy, medical and nursing staff. - Supervise, manage and mentor junior pharmacists and trainee pharmacists across rotations. - Translate complex clinical and medicines information into clear, evidence-based recommendations for patients and multidisciplinary teams.	

SELECTED RESEARCH AND SCHOLARLY OUTPUTS

PEER-REVIEWED ARTICLE Abdou Ali, O.A.M., Shaikh, M.F., Hasnain, M.S., Sami, F., Khan, A. and Ansari, M.T. (2022). *Nanotechnological advances in the treatment of epilepsy*. CNS & Neurological Disorders - Drug Targets, 21(10), 994-1003. DOI: 10.2174/1871527321666211221162104.

BOOK CHAPTER Ansari, M.T., Srivastava, D., **Abdou Ali, O.A.M.**, Hau, T.W., Sami, F. and Hasnain, M.S. (2024). *Advances in semisolid dosage form*. In *Dosage Forms, Formulation Developments, and Regulations: Recent and Future Trends in Pharmaceutics*, Vol. 1, pp. 519-542. Academic Press. DOI: 10.1016/B978-0-323-91817-6.00018-8.

CONFERENCE POSTER Pask, B., Famokunwa, D., Amos, J., Kaur, M., **Abdou Ali, O.A.M.** and Gupta, A. (2024). *Utilising social listening to better understand the experience of hospitalised patients*. Poster presented at the British Society for Antimicrobial Chemotherapy Spring Conference, May 2024.

CLINICAL EDUCATION Abdou Ali, O.A.M. (2024). *Prescribing Anticoagulants*. Geeky Medics.

CLINICAL EDUCATION Abdou Ali, O.A.M. (2024; updated 2026). *Insulin Prescribing*. Geeky Medics.

RESEARCH METHODS AND TECHNICAL SKILLS

Population and quantitative research: Survey design, participant recruitment, SPSS, quantitative data interpretation, real-world patient-generated data, critical appraisal and evidence synthesis.

Experimental pharmacology: Mammalian cell culture, MTT and clonogenic assays, aseptic technique, pharmaceutical formulation, colorimetry, titration, spectrophotometry and thin-layer chromatography.

Biomaterials and laboratory tools: GelMA hydrogel synthesis, stereolithography and 3D construct design; ImageJ, Chimera, ChemDraw and TinkerCAD.

AWARDS

- Dean's Excellence Scholarship, University of Nottingham - top 10% of cohort (2020-2023).
- High Achiever's Scholarship, University of Nottingham (2019).
- Nottingham Advantage Award for extracurricular and intercultural development (2021).

TEACHING, MENTORING AND ENGAGEMENT

Student Mentor - IntoUniversity Nottingham East	2022 - 2023
• Planned tailored educational sessions supporting a young person's academic, social and personal development.	
Primary School Science Volunteer - Arnbrook Primary School	2021 - 2022
• Co-designed and delivered accessible science sessions to build pupils' confidence and interest in higher education.	

LANGUAGES

English, Arabic and Turkish - fluent | French - conversational