

Laila M. Kafu
Liverpool – United Kingdom
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Education

- **PhD** in Drug safety sciences (hypersensitivity reactions to drugs and chemicals) University of Liverpool; **2017-2021**. (Characterization of the phenotype and function of drug-responsive t-cells in patients with drug-induced liver injury).
- **MSc** in Pharmaceutical services and Medicines control - University of Bradford; **2000**. (Toward effective national drug policy and managing drug supply in Libya).
- **BSc** in Pharmacy - University of Tripoli; **1986**. (The effect of phagnalon rupestre herb on urinary tract infections).

Core Skills

- Dispensing pharmacist.
- Hospital pharmacist.
- Medical supply chain management.
- Administrative and managerial skills.
- Crises management and administration.
- Project planning.
- Health research methods including quantitative/qualitative research.
- Laboratory Techniques.
- Measurement on a microscopic level.
- Cell biology.
- Protein (Bradford Assay).
- Cell culture and tissue culture techniques.
- Elispot Technique.
- ELISA.
- Flowcytometry.
- Polymerase Chain Reaction (qPCR).
- DNA Extraction.
- Western blot.
- Agarose gel Electrophoresis.
- Chromatographic methods.
- Statistical Data Analysis.

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- Flowing software.
- Chemodraw.
- Microsoft excels.
- Teaching.
- Teamwork.

Career

- **2017-2022.** Demonstrator at the University of Liverpool.
Key responsibilities: work in different modules in life Sciences; Experimental skills in current biology (Life 107), Laboratory Math II solutions and dilutions (life 113), Techniques in cell biology (life 227), Advanced microbiological techniques (life 228), Biochemical methods (life 122), and Advanced biochemical techniques (life 224). Provided support to students to gain practical experience in understanding, analysing, and interpreting their results during their practical learning as well as giving constructive criticism when needed for improvement. I also worked as an invigilator and marker for the past five years.
- **2011-2012.** Director of Pharmacy and Medical Equipment Department at Libyan Ministry of Health.
Key responsibilities: Medical supply chain management during Libya's transition (2011/12).
- **2004-2013.** Manager of Pharmacy and Medical Devices Department at Tripoli Medical Centre (1500 beds).
Key responsibilities: Operations and medical supply chain management.
- **2002 – 2003.** Medical Supply Chain Consultant.
Key responsibilities: part of the job focused on rationalising the consumption of pharmaceuticals and medical appliances.
- **2001 – 2002.** Researcher with Slovapharm research staff in the Research and Development department at Almaya Pharmaceutical factory in Tripoli for a full-time one-year contract.
Key responsibilities: Roles included researching and registering different pharmaceutical dosage forms into the factory medical index.
- **1994-1998.** Manager of medical equipment department in medical supply organisation. Responsible for reviewing pharmaceutical supplies and distribution. Member of all tender committees.

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Academic Appointments

- **2002-2014.** Lecturer at the Faculty of Pharmacy at the University of Tripoli.
Key responsibilities: teaching in pharmaceuticals II (prescription), in hospital pharmacy (good storage practice, and nuclear pharmacy), and clinical pharmacy and pharmacy practice (drug policies, managing drug supply, pharmaceutical care, pharmacovigilance, and Pharmacoeconomics).

Certifications/training

- **2020.** Implementation of pharmacogenomic into clinical practice.
- **2020.** Anova course.
- **2020.** Isolation of hepatocyte cells from the Human Liver.
- **2019.** Certificate for achieving the status of Associate Fellow of the Higher Education Academy.
- **2019.** Writing Scientific articles.
- **2019.** Using Twitter for academic purposes.
- **2018.** Flow cytometry training programme includes sample preparation and staining, compensation, data analysis, and troubleshooting by Abcam.
- **2018.** Western blot training programme by Abcam.
- **2018.** Certificates of attendance training seminars on Laser Safety and UV safety.
- **2018.** Certificate of the attendance training course on basic radiation protection.
- **2017.** PGCert EDEV401: Learning, teaching, and assessment.
- **2017.** GTA small Group Teaching, and GTA demonstrator training.
- **2017:** Statistical Issues design & analysis of research Projects.
- **2017.** Delivery of academic presentation and PhD research presentation.
- **2005.** Certificate for the complete Health System Development training program by the WHO regional office for eastern meditarra.
- **2001.** Certificate for completion of the Good Manufacturing Practices (GMP) course in the Republic of Slovakia.
- **2001.** Certificate for completion of practical training course in HPLC, GASC, and TLC in Medicines Laboratory Control at Slovakoфарма pharmaceutical plant.
- **2001.** Certificate for completion of a practical training course on Good Control Laboratory Practice.

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Publications

- Paul J Thomson¹, **Laila Kafu¹**, Xiaoli Meng¹, Jan Snoeys², An De Bondt³, Dries DMAeyer³, Hans Wils³, Laurent Leclercq², Petra Vinken⁴, Dean J Naisbitt^{1*}. **Drug-specific T-cell responses in patients with liver injury following treatment with the BACE inhibitor Atabecestat.** *J. Allergy Clin. Immunol.* 2020, (11). <https://doi.org/10.1111/all.14652>
- Arun Tailor, † James C. Waddington, † Jane Hamlett, † † **Laila Kafu**, James Moggs, † John Farrell, † Gordon J. Dear, ‡ Paul Whitaker, § Dean J. Naisbitt, † Kevin Park, † and Xiaoli Meng* †. **Definition of Haptens Derived from Sulfamethoxazole: In Vitro and in Vivo.** *Chem Res Toxicol.* 2019, 32, 2095–2106.
DOI: [10.1021/acs.chemrestox.9b00282](https://doi.org/10.1021/acs.chemrestox.9b00282)
- **Laila M Kafu^{1†}**, Paul J Thomson^{1†}, Nik Fragkas^{2†}, Thomas Hammond³, Michael Kammueeller², Munir Pirmohamed¹, Dean J Naisbitt^{1*}. **Characterisation of the drug derivative that stimulates T-cell responses in patients with naproxen-induced liver injury.** *Forthcoming.*
- Monday O Ogeese¹, Liam Farrell¹, **Laila Kafu¹**, Serat-E Ali¹, Andrew Gibson¹, Aimee² Hillegas, Geoff Williams², Melanie Sakatis², Dean J Naisbitt^{1*}. **Detection of immune-mediated drug-induced liver injury liability during drug development: An in vitro assessment of immunogenicity using blinded compounds.** *Forthcoming.*
- Joshua Gardner¹, Sean Hammond¹, Monday Ogeese¹, Serat-E-Ali¹, **Laila Kafu¹**, Samantha Jones¹, Amy Chadwick¹, Catherine Betts², Dean J Naisbitt¹. **Bioenergetic profiling of drug-specific monoclonal T-cell populations.** *Abstract.*
- L. Kafu. **Counterfeiting drugs and the logistic cycle of drug supply in the Libyan market.** *International Journal of Pharma and Bio Sciences.* 2014, 5(2): P91-P105

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- L. Kafu. **Comparison of antimalarial drugs in Libya's essential drug list with the new antimalaria drugs (artemisinin and its derivatives) warrants their addition to the list.** *International Journal of Pharma and Bio Sciences*. 2014, 5(1): P676-P681
- Ebtisam A. Benomran¹, Abdurrauf M. Gusbi², Abdussalam A. M. Amara^{2*}, Malak S. Elazarg³, Sultan M. 4, Mokhtar M. Gusbi³, **Laila M. Kafu²**, Arwa M. Matoug², Esra E. Benamara² and Abdurrahim A. Elouzi². **The use of metformin in the treatment of polycystic ovary syndrome and glucose control in pregnant women with gestational diabetes mellitus at Tripoli Medical Centre.** *International Journal of Biopharmaceutics*. 2015; 6(3): 142-146.
- Serat-E Ali, Xiaoli Meng, **Laila Kafu**, Sean Hammond, Qing Zhao, Monday Ogeese, Rowena Sison-Young, Robert Jones, Benjamin Chan, Lucia Livoti, Yonghu Sun, Lele Sun, Hong Liu, Anthony Topping, Christopher Goldring, Furen Zhang*, and Dean John Naisbitt*. **Detection of Hepatic Drug Metabolite-Specific T-Cell Responses Using a Human Hepatocyte, Immune Cell Coculture System.** *Chem Res Toxicol*. February 22, 2023. doi.org/10.1021/acs.chemrestox.2c00343
- Abdurrauf M. Gusbi, **Laila M. Kafu**, Mamud H. Arhima, Njema A. Abuderhbea, and Mohammed S.Frandah. **Clinical evaluation of Lamivudine regimen in Hepatitis-B patients at Tripoli Medical Centre.** The 6th Jamahiriya Congress for Medical Sciences, Zawia, March 22, 2009.

EAACI Drug Hypersensitivity Meeting 2018, Amsterdam- Poster presentations:

- Arun Tailor¹, James Waddington¹, Jane Hamlett ¹, Laila Kafu ¹, John Farrell ¹, Gordon Dear ², Paul Whitaker³, D.J. Naisbitt ¹, Xiaoli Meng ¹, B. Kevin Park ¹. Nitroso sulfamethoxazole forms multiple haptenic determinants with cysteine, lysine and tyrosine.
- A. Tailor¹, T. Usui¹, L. Kafu¹, B. Jagota, N². Kitteringham², B.K. Park¹, X. Meng¹, D.J. Naisbitt^{1*}. In vitro detection of terbinafine protein adducts and the synthesis of HLA-binding peptides for functional studies.

Conferences

- 2005. International Pharmaceutical Sciences Conference in Malta.
- 2018. EAACI Drug hypersensitivity meeting in Amsterdam.
- 2022. MEDICA 2022 Dusseldorf.

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