Luka Jovanović

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Personal Statement

Junior doctor with a robust background in clinical medicine, pharmacology, and a passion for research. Experienced in conducting systematic reviews and pre-clinical studies. Committed to integrating excellent patient care with innovative clinical research to advance medical knowledge and practice.

Research Experience

Undergraduate Research Student   2020 – 2021

Department of Pharmacology, University of Cambridge

- Investigated predictive DNA damage markers in triple-negative breast cancer. Techniques used: **immunofluorescence**, **confocal microscopy**.
- Analyzed data using **R**; created visualizations with **ggplot2**.
- Prepared vector graphics using **Adobe Illustrator**.
- Outcome: Contributed to understanding biomarkers for cancer prognosis.

Medical Student Researcher   2022

School of Clinical Medicine, University of Cambridge

- Conducted screening and data extraction for a systematic review on the use of human tissue in degenerative cervical myelopathy research.
- Collaborated with a multidisciplinary team, resulting in a publication in *Acta Neurochirurgica*.

Education

University of Cambridge

Cambridge, UK

- MB BChir Medicine   2017 – 2023
- MA Pharmacology (Hons)   2017 – 2020
- Activities: Cambridge University Rugby Union Football Club, Friends of Médecins Sans Frontières (MSF)

A-Levels   2010 – 2017

Simon Langton Grammar School for Boys, Canterbury, UK

- Grades: A* Chemistry, A* Biology, A Maths
- Activities: Saracens Rugby Academy (2014 – 2015), Kent County Rugby Union Football Club (2012 – 2017)

Clinical Experience

Foundation Training Program   2023 – Present
Lister Hospital, ENHerts NHS Trust

- F1: General Surgery, Respiratory Medicine, Geriatric Medicine
- F2: Trauma & Orthopaedics, Emergency Medicine, General Practice
- Managed a caseload of up to 230 patients during on-call shifts as the sole doctor on duty, prioritising effectively under pressure.
- Developed a Python script aimed at streamlining rota generation, receiving positive feedback from colleagues and management.
- Actively involved in quality improvement initiatives within the hospital.

Publications

- Gompels, B., McCarron, L., **Jovanović, L.**, Molloy, T., Ahmed, V., Gargan, M., & Barrett, M. (2024). *Just the Facts: Assessing and Managing Soft Tissue Knee Injuries in the Emergency Department*. **CJEM**. DOI: 10.1007/s43678-024-00761-w.
- Dohle, E., Swanson, E., Yusuf, S., **Jovanović, L.**, Thompson, L., Layard Horsfall, H., Muirhead, W. R., Bashford, L., & Brannigan, J. (2024). *Outcome Measures in Implantable Brain-Computer Interface Research: A Systematic Review (Preprint)*. **medRxiv**. DOI: 10.1101/2024.10.15.24315534.
- Dohle, E., Beardall, S., Chang, A., Corral Mena, K. P., **Jovanović, L.**, Nath, U., Lee, K. S., Smith, A. H., Thirunavukarasu, A. J., Yanez Touzet, A., Norton, E. J., Mowforth, O. D., Kotter, M. R. N., & Davies, B. M. (2023). *Human Spinal Cord Tissue is an Underutilised Resource in Degenerative Cervical Myelopathy: Findings from a Systematic Review of Human Autopsies*. **Acta Neurochirurgica**. DOI: 10.1007/s00701-023-05526-5.

Audits

NELA: timeline from ED to OR   2023

- Assessed patient care pathway: evaluated time from emergency department presentation to definitive surgical procedure.
- Gained experience in clinical audit processes and data analysis within a healthcare setting.

Technical Skills

- Programming Languages: Python, R, Java, Javascript, Typescript, Kotlin
- Software: MS Office Suite, Adobe Illustrator, Adobe Photoshop, LaTeX, ggplot2
- Laboratory Techniques: Immunofluorescence, confocal microscopy, data analysis
- Languages: Fluent in English and Croatian/Serbian

Excellence Reports

"Very hard working and committed to his role. Genuinely cares for patients and is happy to go the extra mile to improve their care. Extremely kind and polite to staff and patients. A pleasure to work with."

"First and foremost a great colleague and has been incredibly helpful during take. Sound clinical knowl-edge and very focused clerking."