**Name: Professor Stephen Fôn Hughes**

**Qualifications**

BSc (Hons), MPhil, PhD, PgCert, CSci, FIBMS, FHEA

**Job title**

Consultant Biomedical Scientist

Director Maelor Academic Unit of Medical & Surgical Sciences (MAUMSS)

**Profile**

I am employed by Betsi Cadwaladr University Health Board (BCUHB) as a Consultant Biomedical Scientist & Director of the Maelor Academic Unit of Medical & Surgical Sciences (MAUMSS). MAUMSS is the main vehicle for my current research work, which can vary across many different clinical disciplines.

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I am a Professor of Biomedical Science affiliated with Wrexham Glyndwr and Staffordshire universities. I am a fellow member of the Institute of Biomedical Science (IBMS) and a chartered scientist registered with the Science Council. During my career, I have worked as an academic and a Health & Care Professions Council (HCPC) registered Biomedical Scientist (Blood Sciences) for the NHS.

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Amongst my various external activities, I am a specialist portfolio examiner for the IBMS. This role involves assessing the suitability of hospital-based practitioners to work at a senior scientist or managerial level. I am also a scientific advisor for the British Urology Researchers in Surgical Training (BURST), and a regional champion for North Wales, affiliated with the Wales Cancer Research Centre.

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By invitation, I have been external examiner for Keele University, Nottingham Trent University, and the University of Wolverhampton, amongst others. I am also a Fellow Member of the Higher Education Academy (FHEA).

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I possess a wide range of laboratory experience in the biomedical research and teaching fields, and I am skilled in various immuno-haematological and biochemistry techniques. I  am dedicated to maintaining high quality standards and have a passion for promoting staff continuous professional development (CPD) and lifelong learning. I currently supervise several postgraduate students for their MSc, MRes and PhD studies.

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Outside of work, I enjoy spending time with my family and friends, watching the Welsh national side play rugby union, playing five a side football and I am a keen golfer.

**Current Research interests:**

Specifically, my current research interests are divided into the following areas:

***Clinical***

•Blood Sciences

•Urology (kidney stones, benign and malignant disorders of the bladder and prostate)

•Clinical outcome measures (e.g. acute kidney injury, infection and bleeding) and their relationship with novel biomarkers

***Scientific***

•Leukocyte biology

•Vascular endothelium

•Inflammation

•Metastasis and cancer recurrence

•Cytokines & adhesion molecules

•Novel biomarkers and diagnostics

***Key Collaborators***

Prof Luis Mur (Aberystwyth University)

Prof Steve Conlan (Swansea University)

Prof Andrew Tee (Cardiff University)

Prof Helen Byrne (University of Oxford)

Prof Leandro Pecchia (University of Warwick)

**Latest publications (2020-date)**

Kumar, B., Kumari, **S., Hughes**, S., Savill, S. (2021). Prospective cohort study of induction of labor: Indications, outcome and postpartum hemorrhage. European Journal of Midwifery, 5 (November), 1-7. <https://doi.org/10.18332/ejm/142782>

Ella-Tongwiis, P., Makanga, A., Shergill, I., & **Fôn Hughes, S**. (2021). Optimisation and validation of immunohistochemistry protocols for cancer research. *Histology and histopathology*, *36*(4), 415–424. <https://doi.org/10.14670/HH-18-317>

**Hughes SF**, Moyes AJ, Lamb RM, Ella-Tongwiis P, Snyper NYF, Shergill I (2020). The role of phagocytic leukocytes following flexible ureterenoscopy, for the treatment of kidney stones: an observational, clinical pilots-study. Eur J Med Res. 2020 Dec 11;25(1):68. doi: 10.1186/s40001-020-00466-7. PMID: 33308282; PMCID: PMC7731777.

Ella-Tongwiis P, Lamb RM, Makanga A, Shergill I, **Hughes SF**. The role of antibody expression and their association with bladder cancer recurrence: a single-centre prospective clinical-pilot study in 35 patients (2020). BMC Urol. 2020 Nov 25;20(1):187. doi: 10.1186/s12894-020-00759-3. PMID: 33238953; PMCID: PMC7690172.

**Hughes S.F.**, Lamb R.M., Moyes, A.J., Ella-tongwiis, P., Gill, A., Duckett, A., & Shergill, I. (2020). The Effect of Trans-urethral Resection of the Bladder Tumour (TURBT) on Routine Haematological and Biochemical Blood Tests: A Clinical-pilot Observational Study. Int J Biomed Sci, December 2020 Vol. 16 No. 4.

**Hughes, S. F.**, Moyes, A. J., Lamb, R. M., Ella-Tongwiis, P., Bell, C., Moussa, A., & Shergill, I. (2020). The role of specific biomarkers, as predictors of post-operative complications following flexible ureterorenoscopy (FURS), for the treatment of kidney stones: a single-centre observational clinical pilot-study in 37 patients. *BMC urology*, *20*(1), 122. <https://doi.org/10.1186/s12894-020-00693-4>

**Hughes, S. F.**, Jones, N., Thomas-Wright, S. J., Banwell, J., Moyes, A. J., & Shergill, I. (2020). Shock wave lithotripsy, for the treatment of kidney stones, results in changes to routine blood tests and novel biomarkers: a prospective clinical pilot-study. *European journal of medical research*, *25*(1), 18. <https://doi.org/10.1186/s40001-020-00417-2>

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