

Số: 257/ĐHQT-ĐTĐH

Thành phố Hồ Chí Minh, ngày 09 tháng 11 năm 2017

THÔNG BÁO

V/v gặp mặt đại diện tuyển sinh của Khoa sức khỏe và khoa học ứng dụng, trường UWE

Phòng Đào tạo Đại học thông báo cho sinh viên về Buổi gặp mặt đại diện tuyển sinh của Khoa sức khỏe và khoa học ứng dụng, trường ĐH West of England. Anh quốc theo kế hoạch cụ thể như sau:

- **Thời gian:** 9:45 – 11:30 thứ 6, 24/11/2017.
- **Địa điểm:** Phòng A2.608
- **Thành phần:**
 - Dr. Peter T.N. Spencer-Phillips, Phụ trách tuyển sinh của Khoa sức khỏe và khoa học ứng dụng, trường ĐH West of England, Anh quốc.
 - Dr Bahareh Vahabi, giảng viên Khoa sức khỏe và khoa học ứng dụng, trường ĐH West of England, Anh quốc.
 - Giảng viên
 - Sinh viên, học viên cao học ngành Công nghệ sinh học.
 - Các sinh viên có quan tâm.
- **Chương trình:**
 - Session 1: Gặp Đại diện tuyển sinh Khoa sức khỏe và khoa học ứng dụng của trường UWE*
 - 9:45 – 10:10 – Giới thiệu về chương trình liên kết ngành Công nghệ sinh học của trường UWE
 - 10:10 – 10:30 - Giải đáp các quan tâm của sinh viên và giảng viên
 - Session 2: Seminar “The role of aquaporin water channels in bladder function”*
 - 10:30 – 11:30 – Giới thiệu về chuyên đề “The role of aquaporin water channels in bladder function”
- **Nội dung:** đính kèm bài giới thiệu về diễn giả và nội dung trình bày.

Mọi thắc mắc và thông tin chi tiết, vui lòng liên hệ Phòng Đào tạo Đại học (O2.708), điện thoại: 37244270 – Số nội bộ 3221 (gặp anh Nguyễn Hữu Trí) hoặc Khoa Công nghệ sinh học (A1.707), điện thoại: 37244270 – Số nội bộ: 3233.

Trưởng Phòng Đào tạo ĐH



Trần Thị Thu Hương

Dr Peter T.N. Spencer-Phillips BSc, ARCS, PhD, DIC

Peter obtained his BSc in Microbiology and PhD in Plant Pathology at Imperial College, London, before moving to the University of Liverpool as a NERC-funded Research Fellow. He was appointed to a Lectureship in Mycology and Plant Pathology in 1982, and then progressed to become Head of the Department of Applied Sciences at the University of the West of England, Bristol. He is now International Director for the Faculty of Health and Applied Sciences, and an Associate Professor of Applied Microbiology.

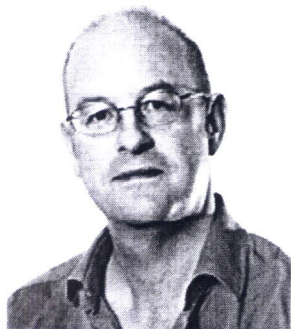
Research interests include the cell biology of downy mildew pathogens, and the biology and early detection of post-harvest spoilage of fruit, vegetables and grain. This has been extended recently to include bacterial survival on medical devices and the role of novel, plant derived antimicrobials in managing clinically relevant pathogens.

Study of the cell biology and detection of downy mildew and other pathogens includes the use of proteomics, where proteins are separated on 2-D gels, and individual protein spots excised for identification by mass spectrometry. Specific proteins may then be used as biomarkers for disease detection by in-field diagnostic kits and/or biosensors.

Early detection of post-harvest spoilage by bacteria, fungi, mites and insects has deployed gas chromatography-mass spectrometry (GC-MS) to identify volatile organic compounds (e.g. alcohols, esters, aldehydes etc) that can be detected by metal oxide sensors within 'electronic nose' devices.

Peter has published over 90 journal articles, books, book chapters and abstracts. Of particular significance is the series of Advances in Downy Mildew Research books (2002, 2004, 2007) that arose from his work as organiser of the Downy Mildews Sessions of the 5-yearly International Congress of Plant Pathology.

National and international roles have included: Co-ordinator of the Downy Mildews Working Group, International Society for Plant Pathology (1998-2008); Vice-President of the British Mycological Society (2007-9); editor of the journals Mycological Research (2004-7), Fungal Biology Reviews (2007-2016) and Czech Mycology (2007-present); Scientific Advisory Board Member, Institute of Bio-sensing Technology (2008-present).





Title of seminar :*The role of aquaporin water channels in bladder function*

Synopsis:Urinary storage function is achieved by the property of the bladder serving as a reservoir, containing urine until “functional bladder capacity” (FBC) is reached. At this point, the individual goes to the toilet to pass urine. During sleep, normal urine output rate is reduced, so FBC should not be reached, thereby avoiding interruption of sleep. If urine output is insufficiently reduced during sleep, FBC may be reached, so the patient wakes to pass urine, leading to nocturia (getting up more than twice at night to go to toilet). Recently it has been shown that the bladder urothelium, which was considered a poorly permeable urine-blood-barrier, expresses transmembrane channels called aquaporins (AQPs). AQPs are important for transepithelial water and solute movement in various tissues and their discovery in bladder urothelium supports a more controversial hypothesis that urothelium is able to modify the composition and volume of urine in the lower urinary tract. Our aim is to investigate the role of AQPs in modulating water and solute movement across the bladder urothelium which may aid the development of novel therapeutic interventions for treatment of debilitating conditions such as nocturia and overactive bladder.

Professional Biography

Dr Bahareh Vahabi is a Senior Lecturer in Physiology and the International Partnership Coordinator at University of the West of England, a Research Fellow at the Bristol Urological Institute/University of Bristol and an Associate Professor at University of Maastricht, The Netherlands. Dr Vahabi has forged a distinguished academic career combining research and teaching at leading universities and hospitals in the United Kingdom. Focussing her research interests on the physiological and pharmacological function of the urinary tract, she has collaborated with fellow research scientists to relate her findings to medical disorders such as overactive bladder function and has managed to develop a novel isolated large animal bladder model to investigate the integrative physiology of the bladder.

Qualifications

Postgraduate Certificate (Learning & Teaching) – University of the West of England

Master of Science- Pharmacology and Biotechnology – Sheffield Hallam University

Doctor of Philosophy – Sheffield Hallam University

Recent Publications

- Fry, C., Chess-Williams, R., Hashitani, H., Kanai, A., McCloskey, K., Takeda, M. and **Vahabi, B.** (2017) Cell biology. In: Abrams, P., Cardozo, L., Wagg, A. and Wein, A., eds. (2017) Incontinence. (2) 6th. UK: ICS, p. 143.
- **Vahabi, B.**, Wagg, A. S., Rosier, P. F. W. M., Rademakers, K. L. J., Denys, M.-A., Pontari, M., Lovick, T., Valentini, F. A., Nelson, P. P., Andersson, K.-E. and Fry, C. H. (2017) Can we define and characterize the aging lower urinary tract?-ICI-RS 2015. *Neurourology and urodynamics*, 36 (4). pp. 854-858. ISSN 1520-6777
- Fry, C. H., Gammie, A., Drake, M., Abrams, P., Kitney, D. and **Vahabi, B.** (2017) Estimation of bladder contractility from intravesical pressure-volume measurements. *Neurourology and Urodynamics*, 36 (4). pp. 1009-1014.
- McCloskey, K., **Vahabi, B.** and Fry, C. (2017) Is electrolyte transfer across the urothelium important?: ICI-RS 2015. *Neurourol Urodyn*, 36 (4). pp. 863-868.

- Kitney, D., Jabr, R., **Vahabi, B.** and Fry, C. (2017) Mild heating and reduction of bladder spontaneous contractions .BJU International. In press
- **Vahabi, B.**, Wagg, A., Rosier, P. F. W. M., Rademakers, K. L. J., Denys, M.-A., Pontari, M., Lovick, T., Valentini, F., Nelson, P., Andersson, K. E. and Fry, C. H. (2016) Can we define and characterise the ageing lower urinary tract? – ICI-RS 2015. *Neurourology and Urodynamics*.
- Fry, C. and **Vahabi, B.** (2016) The role of the mucosa in normal and abnormal bladder function. *Basic and Clinical Pharmacology and Toxicology*, 119 (53). pp. 57-62)