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Dr Elizabeth Rabbitt PhD

Research Fellow

Endocrinology, Diabetes and Metabolism

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About

Liz Rabbitt is a Research Fellow working with Professor Paul Stewart. She has published a number of high impact research papers in scientific journals and her work has won several grants and awards at international conferences.

Qualifications

- PhD Medicine 2002
- BMedSci 1998

Biography

Elizabeth Rabbitt qualified with a BMedSci (Hons) from the University of Birmingham in 1998. and went on to study for a PhD in Medicine at the University of Birmingham, receiving this is 2002. She then worked for 2 years as a research fellow at the University of Texas Southwestern Medical Center at Dallas in the USA, one of the top ranked universities in the USA, with 4 Nobel laureates currently research active.

Subsequently Liz joined the Department of Medical Sciences at the University of Birmingham in 2005 as a RCUK Roberts Research Fellow. Liz has recently returned to work after taking time out to start a family.

Liz is a member of the CEDAM PI's Committee and the Biological Sciences Sub-committee.

Teaching

Teaching Programmes

- BMedSci
- MBChB
- BDS
- BioMat

Postgraduate supervision

Dr Rabbitt has supervised two PhD students in the areas of glucocorticoid metabolism in bone.

For any general doctoral research enquiries, please email: dr@contacts.bham.ac.uk (mailto:dr@contacts.bham.ac.uk) or call +44 (0)121 414 5005.

For a full list of available Doctoral Research opportunities, please visit our Doctoral Research programme listings. (http://www.bham.findaphd.com/?es=y&apl=y&aplt=&show) .

Research

RESEARCH THEMES

Pre receptor steroid metabolism, translational endocrine physiology, healthy aging, metabolic regulation.

RESEARCH ACTIVITY

Dr Rabbitt is part of a research group focusing on understanding the regulation of glucocorticoid hormone metabolism and intracellular glucose utilisation with relevance to diverse disease processes such as obesity, glucose intolerance and type 2 diabetes. Specific projects include:

- Glucocorticoid regulation of hepatic metabolism
- Ageing and pre receptor glucocorticoid metabolism

Publications

Kaur K, Hardy R, Ahasan MM, Eijken M, van Leeuwen JP, Filer A, Thomas AM, Raza K, Buckley CD, Stewart PM, Rabbitt EH, Hewison M, Cooper MS. Synergistic induction of local glucocorticoid generation by inflammatory cytokines and glucocorticoids: implications for inflammation associated bone loss. **Ann Rheum Dis**. 2010 Jun;69(6):1185-90.

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Hardy RS, Filer A, Cooper MS, Parsonage G, Raza K, Hardie DL, Rabbit EH, Stewart PM, Buckley CD, Hewison M. Differential expression, function and response to inflammatory stimuli of 11beta-hydroxysteroid dehydrogenase type 1 in human fibroblasts: a mechanism for tissue-specific regulation of inflammation. **Arthritis Res Ther**. 8(4):R108. (2006). Differential expression, function and response to inflammatory stimuli of 11beta-hydroxysteroid dehydrogenase type 1 in human fibroblasts: a mechanism for tissue-specific regulation of inflammation. . 8(4):R108. (2006).

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Rabbitt EH, Ayuk J, Boelaert K, Westin G, Sheppard MC, Hewison M, Gittoes NJL, Stewart PM. Abnormal expression of 11b hydroxysteroid dehydrogenase type 2 in pituitary adenomas: a prereceptor determinant of pituitary cell proliferation. **Oncogene** 22: (11):1663-7 (2003).

Lavery GG, Ronconi V, Draper N, Rabbitt EH, Lyons V, Chapman KE, Walker EA, McTernan CL, Giacchetti G, Mantero F, Seckl JR, Edwards CR, Connell JM, Hewison M, Stewart PM. Late-onset apparent mineralocorticoid excess caused by novel compound heterozygous mutations in the HSD11B2 gene. **Hypertension** 42:123-129 (2003).

Rabbitt EH, Lavery GG, Walker EA, Cooper M.S, Stewart PM, Hewison M. Prereceptor regulation of glucocorticoid action by 11b-hydroxysteroid dehydrogenase: a novel determinant of cell proliferation. **FASEB J.** 16: 36-44 (2002)

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