



# Characterisation of Interdomain Interaction in the Mineralocorticoid Receptor

GUEST LECTURE by

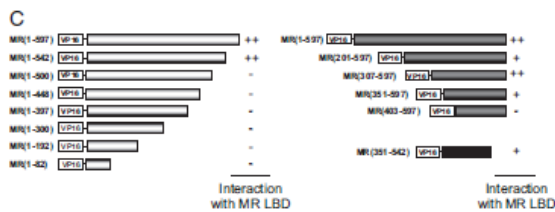
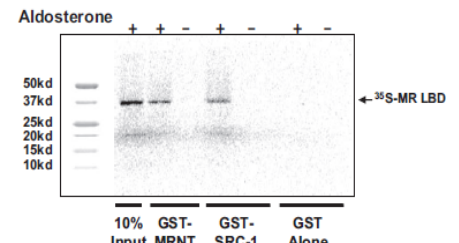
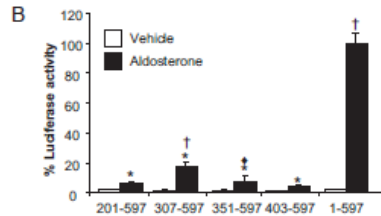
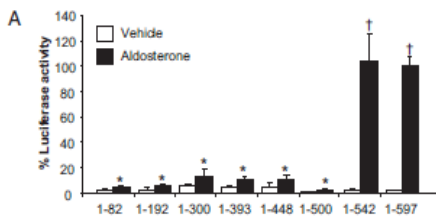
**Dr. Jyotsna B. Pippal**

Prince Henry's Institute of Medical Research,  
Melbourne, Australia

Thursday, 06.12.2012 , 12:00h

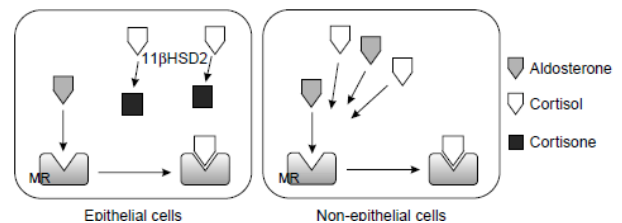
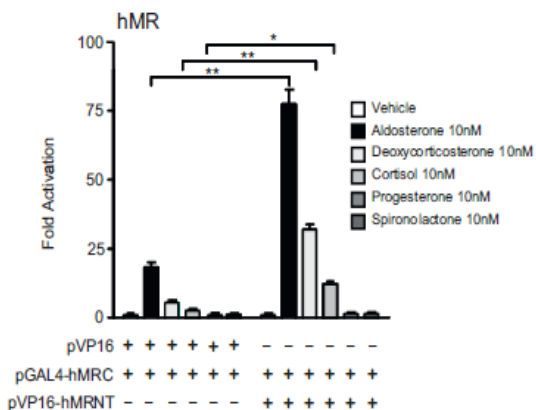
Lecture Hall HS 26.K3

Institute of Pathophysiology and Immunology  
(Heinrichstrasse 31a)

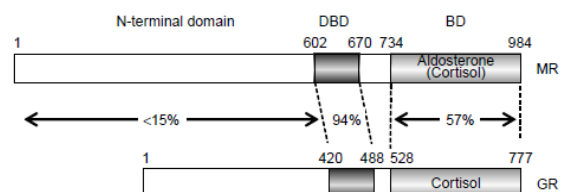


Structural determinants of the MR N/C interaction (Pippal et al.; Mol Endocrin. (2009) 33:1360-1370)

The MR N/C interaction. (Pippal et al.; Mol Endocrin. (2009) 33:1360-1370)



Schematic of protective mechanism of 11βHSD2. (Pippal et al.; J Mol Endocrin. (2008) 41:405-13)



Schematic of the human mineralocorticoid and glucocorticoid receptors. (Pippal et al.; J Mol Endocrin. (2008) 41:405-13)

N/C interaction in response to different ligands.  
(Pippal et al.; Mol Cell Endocrin. (2011) 332:58-66)

**Dr. Jyotsna B. Pippal** has over ten years of research experience in the fields of endocrinology and stem cell biology.

In 2006 she completed her doctoral thesis on the role of PPARalpha in the lipid and carbohydrate homeostasis in skeletal muscle cells, in the laboratory of one of Australia's leading experts in the field of Nuclear Hormone Receptors (NR), Prof. George Muscat at The University of Queensland.

From 2007-2009 she underwent her first post-doctoral training under the mentorship of Professor Peter J. Fuller at Prince Henry's Institute of Medical Research, Melbourne, one of the well-known experts in endocrinology and steroid receptor biology. During this time she acquired a broad range of experience for understanding the critical role of NRs and the myriad number of biological processes and signaling pathways they are associated with.

Dr. Pippal then took a diversion into her second post-doctoral position (2009-2011) and pursued her interest in Stem Cell Biology at the Centre for Cancer Biology, Adelaide.

**Publications related to her presentation are:**

1. **Jyotsna B.Pippal\***, Irene Cheung\*, Francine Brennan and Peter J. Fuller  
Characterisation of Mineralocorticoid Receptor in zebrafish (*Danio rerio*)  
Molecular and Cellular Endocrinology 2011 January 30; 332(1-2): 58-66.

2. **Jyotsna B.Pippal**, Yizhou Yao, Fraser M. Rogerson and Peter J. Fuller  
Structural and functional characterization of the interdomain interaction in the Mineralocorticoid Receptor.  
Molecular Endocrinology 2009 Sep; 23(9): 1360-70.

3. **Pippal J** and Fuller P  
Structure-function relationships in the Mineralocorticoid Receptor (invited review)  
Journal of Molecular Endocrinology 2008 Sep 19.