

VITAMINS

ANOTHER DIFFERENCE BETWEEN MEN AND WOMEN

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Aside from sex hormones, circulating vitamin D - calcidiol - serum levels show a consistent difference between [men and women](#). Ok - I know that

1. nuclear receptors are hormone-dependent transcription factors (Drané P, Mol Cell 2004; 16:187)
2. 25-OH-D3 hydroxylase is upregulated by estradiol-17 (forgot reference)
3. endometrium expresses VDR during cycling (Vigano, J Mol Endo 2006; 36:415)

but what is really responsible for this difference? A new [Cell](#) paper now shows that tamoxifen (an estrogen receptor antagonist) disrupts calcium homeostasis in yeast. Yea, yea.

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