



RESEARCH ASSOCIATE - Bone Physiology (ref: 1225095)

UCL Research Department of Cell and Developmental Biology

A full-time postdoctoral research associate is required to carry out research into the effects of parathyroid hormone (PTH) on blood flow to bone *in vivo*, to determine whether improved blood flow could help account for the anabolic effects of PTH and other vasoactive substances. S/he will join a successful team of researchers at UCL (Prof Tim Arnett), Imperial College (Dr Massimo Marenzana) and the Royal Veterinary College (Dr Chantal Chenu and Prof Andy Pitsillides). The key initial phase of this challenging project will be undertaken primarily at Imperial College (Department of Bioengineering, South Kensington Campus). The position is funded for two years in the first instance by Arthritis Research UK, and can commence from February 2012.

Applicants should have a PhD in experimental biology with good knowledge of endocrinology, vascular physiology, bone biology, pharmacology and statistics. Experience of *in vivo* work, including anaesthesia and laser Doppler imaging is needed; microscopy and histology skills would be useful. Applicants should also have excellent written and verbal communication skills, including the ability to prepare manuscripts for publication.

The salary is £31,905 - £32,778 per annum (Grade 7), including London allowance.

The closing date for applications is 13 January 2012.

Further details, including the online application form, can be found [here](#).

Please contact Prof Tim Arnett (t.arnett@ucl.ac.uk) for any additional information.

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