Accepted Manuscript

Raman spectroscopy predicts the link between claw keratin and bone collagen structure in a mouse model of oestrogen deficiency

M. Clare Caraher, Antonia Sophocleous, J. Renwick Beattie, Olive O'Driscoll, Niamh M. Cummins, Orlaith Brennan, Fergal J. O'Brien, Stuart H. Ralston, Steven E.J. Bell, Mark Towler, Aymen I. Idris



PII: S0925-4439(17)30384-8

DOI: doi:10.1016/j.bbadis.2017.10.020

Reference: BBADIS 64932

To appear in:

Received date: 26 July 2017

Revised date: 21 September 2017 Accepted date: 16 October 2017

Please cite this article as: M. Clare Caraher, Antonia Sophocleous, J. Renwick Beattie, Olive O'Driscoll, Niamh M. Cummins, Orlaith Brennan, Fergal J. O'Brien, Stuart H. Ralston, Steven E.J. Bell, Mark Towler, Aymen I. Idris, Raman spectroscopy predicts the link between claw keratin and bone collagen structure in a mouse model of oestrogen deficiency. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Bbadis(2017), doi:10.1016/j.bbadis.2017.10.020

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Raman spectroscopy predicts the link between claw keratin and bone collagen structure in a mouse model of oestrogen deficiency.

AUTHORS:

M. Clare Caraher¹

School of Chemistry and Chemical Engineering, Queen's University Belfast, Stranmillis Road, Belfast, UK.

Antonia Sophocleous²

Rheumatology and Bone Diseases Unit, Centre for Genomic and Experimental Medicine, MRC Institute of Genetics and Molecular Medicine, Western General Hospital, University of Edinburgh, UK.

J. Renwick Beattie

J Renwick Beattie Consulting, Causeway Enterprise Agency, Ballycastle, UK.

Olive O'Driscoll

AventaMed, Rubicon Centre, Rossa Avenue, Bishopstown, Cork, Ireland.

Niamh M. Cummins

Centre for Interventions in Infection, Inflammation and Immunity, Graduate Entry Medical School, University of Limerick, Ireland.

Orlaith Brennan

Tissue Engineering Research Group, Department of Anatomy, Royal College of Surgeons in Ireland, Dublin, Ireland.

Trinity Centre for Bioengineering, Trinity College, Dublin, Ireland.

Advanced Materials and Bio-Engineering Research Centre (AMBER), RCSI & TCD, Dublin, Ireland.

Fergal J. O'Brien

Download English Version:

https://daneshyari.com/en/article/8258697

Download Persian Version:

https://daneshyari.com/article/8258697

Daneshyari.com