

Exclusive speaker interview from MRC Harwell Institute released 4 weeks ahead of SMI's 3D Cell Culture Conference

SMi Reports: Alexander D. Graham's interview released for SMI's 3D Cell Culture Conference, taking place in February 2020 in London.

LONDON, LONDON, UNITED KINGDOM, January 27, 2020 /EINPresswire.com/ -- In just under 4 weeks [SMi's 4th Annual 3D Cell Culture Conference](#) is set to return to London on the 19th and 20th February 2020.

The conference will entail a comprehensive session on all areas regarding 3D Cell Culture such as: the potential of [3D cell culture for various applications](#), including models for personalized medicine, complex and multi-cell type models, translation and clinical and industrial applications and many more.

For those interested in attending, places are limited. Register at www.3D-cellculture.com/PR5

SMi Group has caught up with Alexander D. Graham, Investigator Scientist, MRC Harwell Institute to discuss his views and expectations for the forthcoming conference.

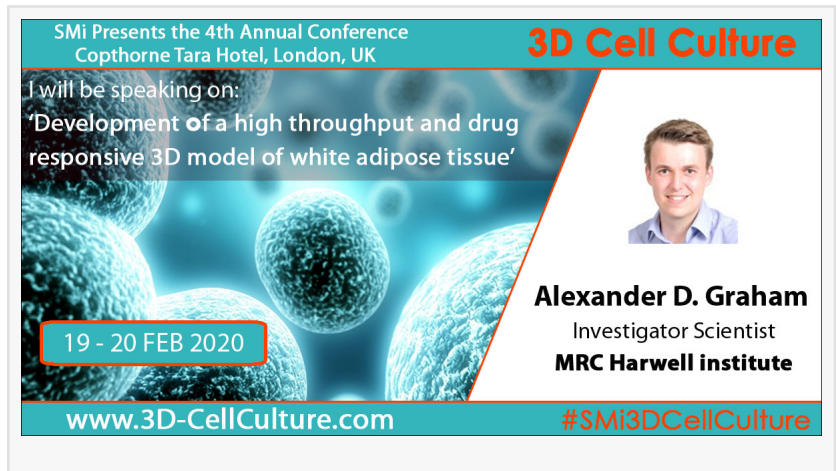
Snapshot of Alexander's interview:

The [3D Cell Culture market](#) has matured greatly over recent years, what key differences have you noticed in the last year regarding significant developments?

"There has been a significant increase in the extent and diversity of research on 3D cell cultures as models of human physiology. In particular, great strides have been made towards using organoids as disease tissue models to study disease mechanisms and to predict treatment benefits. In the last year successful models have been generated from biobanks of patient biopsies and certain patient-derived models have displayed similar in vitro responses to clinical responses. In addition, more research has focused on co-cultures including the incorporation of immune cells and microbiomes, with evidence showing that their incorporation can influence cell behaviour and differentiation. Such model systems can provide a platform to study pathogenic infections providing new insights into key mechanisms of tissue immunity and subsequent medical treatments."

What do you see as the greatest challenge for you to overcome personally in the complex in vitro modelling field at the moment?

"To aid mechanistic studies of adipose biology and adipose associated metabolic diseases, such as type 2 diabetes and obesity, we have developed a 3D adipogenic monoculture to model white



SMi Presents the 4th Annual Conference
Cophthorne Tara Hotel, London, UK

3D Cell Culture

I will be speaking on:
'Development of a high throughput and drug responsive 3D model of white adipose tissue'

19 - 20 FEB 2020

Alexander D. Graham
Investigator Scientist
MRC Harwell Institute

www.3D-CellCulture.com [#SMi3DCellCulture](https://twitter.com/SMi3DCellCulture)

adipose tissue. To further recapitulate the physiology of adipose, future model developments include humanisation, vascularisation and incorporating immune components. The challenge will be designing an appropriate model system which successfully embodies all of these components. This will be a careful balance of cells source, components of a hydrogel-based matrix, culture regimes and the method of cell incorporation..."

The full interview, speaker line-up and complete agenda details are available to download on the event website at www.3D-cellculture.com/PR5

The conference is sponsored by: Cellink, Manchester Biogel, Biolamina, Merck and Promega
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3D Cell Culture Conference 2020
Focus Day: 18 February 2020
Conference: 19th - 20th February 2020
Cophorne Tara Hotel, London, UK
<http://www.3D-cellculture.com/PR5>
#SMi3DCellCulture

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About SMi Group:

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