

Building a Healthy Nation through Business Innovation

## Medical Devices and Diagnostics: Dental Group

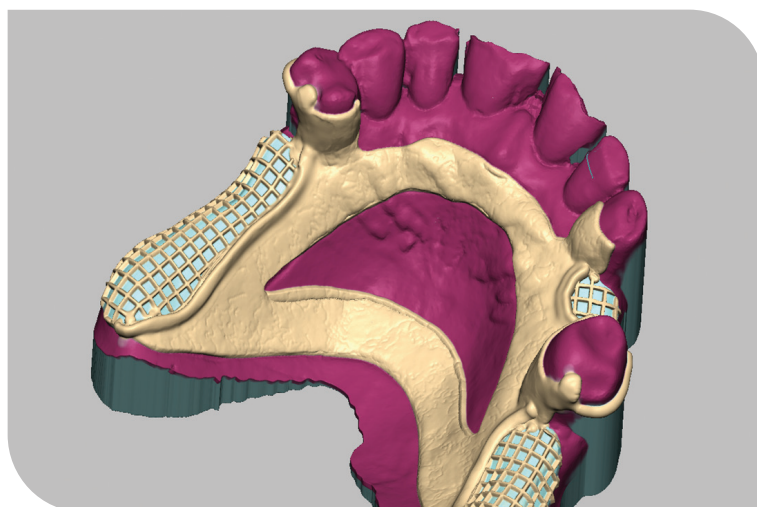
# Technological Advances in Dental Imaging and Materials

The HealthTech and Medicines KTN are proud to announce the Dental Official Group networking meeting which is being held in partnership with Queen Mary Innovation. This meeting will provide a technological showcase highlighting the latest research in Dental imaging and materials from academia and industry for patient benefit. The day will focus on three areas in relation to dental materials and imaging from CT scanning to the latest techniques in prevention.

### Technological Advances in Dental Imaging and Materials

Thursday 9 February 2012  
10.00am – 5.00pm

**Queen Mary Innovation Centre**  
5 Walden Street, London E1 2EF  
[www.qmbioenterprises.com/index.aspx](http://www.qmbioenterprises.com/index.aspx)



### To register click here:

<https://ktn.innovateuk.org/web/technological-advances-in-dental-imaging-and-materials/overview>

For further information about the event, please contact:  
John Yellup e: [john.yellup@healthktn.org](mailto:john.yellup@healthktn.org)

There is a charge of £30 to attend, and an additional charge of £80 for CPD certification (5 hours) Please contact olivia festy: [o.festy@qmul.ac.uk](mailto:o.festy@qmul.ac.uk) regarding poster presentation, marketing opportunities or CPD.

## Programme

10:00	Registration
10:35	Introductions (Farida Fortune)
	<b>Advances in digital dentistry for inter-oral imaging (Chair- Ed Attenborough)</b>
10:40	Nano-Sized Glass-Ceramics, 3D Printing and Digital Dentistry Mike Cattell, Senior Lecturer in Dental Technology, QMUL
11:00	Innovations in Digital Dentistry Ed Attenborough, Managing Director, Attenborough Dental
11:20	21st Century Imaging Techniques for Oral Medicine Farida Fortune, Dean for Dentistry & Professor of Oral Health Medicine, QMUL
11:40	New Innovations in Ceramics and the Evolving E.Max System Chris Parker, Professional Services Manager, Ivoclar Vivadent
12:00	The Future of Dental Devices is Digital Ric Van Noort, Professor of Dental Materials Science, University of Sheffield
12:20	Panel Discussion
12:40	Lunch
	<b>Diagnosis and minimally invasive dentistry (Chair- Angus Walls)</b>
13:20	Caries: Measure, Modify and Make Good Tim Watson, Professor of Biomaterials and Restorative Dentistry, Kings College London
13:40	Flake Glass Dental Composites: A Whole New Concept Saroash Shahid, Research Assistant, ConsulDent
14:00	Calibrating New Caries Diagnostic Tool - The New Gold Standard Ferranti Wong, Professor of Paediatric Dentistry, QMUL
14:20	Developments in Pain-Free Minimally Invasive Dentistry: Air-Abrasion Avijit Banerjee, Professor of Cariology and Operative Dentistry Hon. Consultant, Restorative Dentistry King's College London, R&D Consultant, Velopex
14:40	Advances in Light Responsive Applications for Dentistry Will Palin, Senior Lecturer in Biomaterials, University of Birmingham
15:00	Panel Discussion
15:30	Coffee Break

*continued...*

## Programme *continued*

	<b>International Perspective and Collaboration</b>
16:00	Kevin Wilson, Sector Specialist, UK Trade & Investment
	<b>Prevention (Chair-Robert Hill)</b>
16:20	The Technology of Prevention: What's Changed? Angus Walls, Professor of Restorative Dentistry, Newcastle University
16:40	Advances in Microscopy Instrumentation and Imaging Techniques Jonathan Earl, Principal Scientist, GSK Oral Healthcare
17:00	Closing remarks (Robert Hill)
	Networking

### CPD

This workshop is suitable for all dental students, researchers and professionals. For an additional cost of £80, we can provide attendees with a certificate for 5 hours of verifiable CPD.

#### Learning Outcomes

- Overview of the design and manufacture of dental devices using digital technologies and its impact on the dental professional community.
- Use of new materials and operative techniques in caries management and restoration for less patient trauma
- Use of X-ray microtomography (XMT), or micro-CT as the new Gold Standard for calibrating clinical diagnostic tools
- Novel techniques for minimal invasive dentistry
- Developments in light technology for curing composites, advances in photocurable materials and future biophotonic applications
- New technologies in oral disease prevention and the influence on general health care
- Targeting appropriate preventative therapies effectively.
- Better understanding of Bio-actives to target dentine hypersensitivity

Potential for international collaboration in emerging economies

Supported by