1. Board membership
Chairman Dr Serena M Best, University of Cambridge
Secretary Ms Sue Dunkerton, TWI/Health Technologies KTN
Dr Julian Braybrook, LGC
Professor Justin Cobb, Imperial College
Dr Elsie Damien, MHRA
Dr Lucy Di Silvio, Kings College London (President of UKSB)
Professor Sandra Downes, University of Manchester
Dr Minoo Esat, Director, Furlong Foundation
Dr David Gooch, Materials Science and Technology Board
Professor Paul Hatton, Department of Dentistry, University of Sheffield
Dr Jie Huang, Lecturer, UCL
Dr Julian Jones, Imperial College
Mr Brian Kent, Independent
Mr Brian Knott, IOM3
Prof David Lee, Queen Mary University of London (and representative of TCES)
Prof Andrew Lewis, Biocompatibles UK plc
Professor Andrew Lloyd, School of Pharmacy & Biomolecular Sciences, University of Brighton
Professor Brian Meenan, Nanotechnology & Integrated Bio-Engineering Centre, University of Ulster
Professor John Nicholson, University of Greenwich
Dr Allan Ritchie, DePuy Johnson and Johnson
Professor Neil Rushton, Orthopaedic Research Unit, Addenbrooke's Hospital, Cambridge
Professor Elizabeth Tanner, University of Glasgow
Dr Irene Turner, University of Bath
Dr. Matteo Santin, School of Pharmacy & Biomolecular Sciences, University of Brighton
Professor Pankaj Vadgama, Director, Biomedical Materials IRC, Queen Mary University of London

2. Board meetings
Monday, 12 January, 2009 - 11 attendees
Present:
Dr Serena Best  Prof John Nicholson  Prof Pankaj Vadgama
Dr Minoo Esat  Dr David Gooch  Mrs Sue Dunkerton
Dr Lucy Di Silvio  Dr Irene Turner  Dr Julian Braybrook
Prof Liz Tanner  Dr Jie Huang

Monday, 20th May, 2009 - 8 attendees
Present:
Dr Serena Best  Prof Pankaj Vadgama  Dr Minoo Esat
Mrs Sue Dunkerton  Dr Irene Turner  Dr Jie Huang
Prof Brian Meenan  Dr Brian Kent

Wednesday, 23 September 2009 - 13 attendees
Present:
Dr Serena Best  Prof Liz Tanner  Dr Minoo Esat
Mrs Sue Dunkerton  Dr Irene Turner  Dr Jie Huang
Dr Julian Jones  Dr Brian Kent  Dr Matteo Santin
Dr Lucy Di Silvio  Mr Brian Knott  Prof John Nicholson
Mr Keith Barnes representing IoMMM Packaging Society

3. Opportunities for growth of Division Community or constraints
- New membership: The Division has worked to expand its membership and collaborations through new Board members from other active universities:
Dr Jie Huang (UCL) has joined the Division
Mr Keith Barnes attended a meeting to explore collaboration with the Packaging Division.

- Collaborative work with Furlong Foundation, AIME, IMechE, UKSB, IET and RSC Biomaterials.
- The Division responded specifically to promote and support university, EngDs and DTCs seeking accreditation for Undergraduate and Postgraduate Programmes in Biomaterials and Biomedical Engineering.
- The Clinical Evening Meetings kicked off with an orthopaedics meeting in March (Royal College of Surgeons) which was viewed positively for bringing clinicians with a materials interest together with materials scientists from business and academia. This was a successful collaboration with the Furlong Foundation. New topic areas are being reviewed to do something similar in 2010-2011.
- The discussion with the Packaging Division highlighted various topics where there could be mutual synergies. Although there was interest on both sides it was difficult to identify issues on the medical side that merited a collaborative workshop. Further research is planned via the Board industrial members to clarify needs.
- The Division reviewed an issue related to the coding/categorisation of biomedical engineering in various documents used by students to find degree courses. It was felt this had serious repercussions and Liz Tanner in particular had been trying to improve and feed into the review. It was noted that it was important to overseas students as the wrong categorisation could lead to difficulties with work permits.
- Discussion was held on Awards and the Chapman medal in particular to ensure the nominations raised via the Division followed the principles as laid down and to agree nominees did not need to be UK based but should be able to demonstrate some collaboration within the UK.
- Biomedical Applications Division’s web pages: a major effort was put in this year to update the website and maintain active content.

### 4 Technical programme

<table>
<thead>
<tr>
<th>Event</th>
<th>Location</th>
<th>Date</th>
<th>Division role</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSC Biomaterials meeting</td>
<td>London</td>
<td>15 January</td>
<td>Input to programme</td>
<td>Good meeting but greater awareness of IoMMM needed</td>
</tr>
<tr>
<td>Orthopaedic clinician’s evening meeting</td>
<td>London</td>
<td>16 March 2009</td>
<td>Joint IoMMM/Furlong Foundation meeting</td>
<td>Good meeting with excellent mix of surgeons, academics and business. Plan to repeat this model.</td>
</tr>
<tr>
<td>Materials in Dentistry</td>
<td>London</td>
<td>8 May 2009</td>
<td>Low level involvement</td>
<td>No report</td>
</tr>
<tr>
<td>BORS (orthopaedics)</td>
<td>Newcastle</td>
<td>22-23 June 2009</td>
<td>Attended</td>
<td>Good meeting linking clinicians with academics</td>
</tr>
<tr>
<td>UKSB 2009</td>
<td>Ulster</td>
<td>2-3 July 2009</td>
<td>UKSB event which involves IoMMM Board members</td>
<td>Excellent meeting, 140 delegates A biomaterials meeting but with a lot of cell based studies included.</td>
</tr>
<tr>
<td>UK Tissue Cell Engineering</td>
<td>Glasgow</td>
<td>8-10 July 2009</td>
<td>Attended</td>
<td>Large audience, good international speakers and upcoming and</td>
</tr>
</tbody>
</table>
### Event Location Date Division role Comments

<table>
<thead>
<tr>
<th>Event</th>
<th>Location</th>
<th>Date</th>
<th>Division role</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESB</td>
<td>Lausanne</td>
<td>7-11 September, 2009</td>
<td>Board members involved via UKSB</td>
<td>Excellent meeting with 1200 delegates. Intention to give better profile to Young Scientists Forum</td>
</tr>
<tr>
<td>Innovate 2009</td>
<td>London</td>
<td>13 October 2009</td>
<td>Attended</td>
<td>Sessions on regenerative medicine and technologies for infectious agents.</td>
</tr>
<tr>
<td>RAEng Briefing meeting on Regenerative Medicine</td>
<td>London</td>
<td>20 October 2009</td>
<td>Information only</td>
<td>High level meeting of academics, clinicians and industrialists Paper prepared referring to importance of engineering in the translation of regenerative medicine research.</td>
</tr>
</tbody>
</table>

### Events in next 12 months

<table>
<thead>
<tr>
<th>Event</th>
<th>Location</th>
<th>Date</th>
<th>Division role</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royal Society of Chemistry/IoMMM Biomaterials meeting</td>
<td>London</td>
<td>January 2010</td>
<td>Involved in organisation</td>
<td></td>
</tr>
<tr>
<td>TERMIS</td>
<td>Galway, Ireland</td>
<td>13-17 June 2010</td>
<td>Division members involved in organisation</td>
<td></td>
</tr>
<tr>
<td>UK Tissue Cell Engineering</td>
<td>TBC</td>
<td>July 2010</td>
<td>Division members involved in organisation</td>
<td></td>
</tr>
<tr>
<td>UKSB 2010</td>
<td>Glasgow</td>
<td>1-2 July 2010</td>
<td>Co-sponsored by Division</td>
<td></td>
</tr>
<tr>
<td>ESB</td>
<td>Tampere, Finland</td>
<td>11-15 September 2010</td>
<td>Division members involved in organisation</td>
<td></td>
</tr>
<tr>
<td>Clinicians meeting: Maxillo-facial</td>
<td>Guy’s, London</td>
<td>TBC, 2010</td>
<td>IoMMM BMAD meeting bringing clinicians and materials scientists together</td>
<td></td>
</tr>
</tbody>
</table>

### 5 Foresight / Innovation and Growth
The Division members provide advice and input into TSB initiatives via the HealthTech and Medicines KTN (represented on Board) in addition to their work in assessing funding applications.
6 Professional membership developments
New membership/upgrades strategy:
This has continued to be very productive year in terms of membership development for the Division. Many Division Board members have now become Fellows and further names were proposed using extended contacts and networks.

Links with IoM3M local societies and branches:
Members of the Biomedical Applications Division have strong links with the Cambridge and Anglian Materials Society and also the London Materials Society. In addition, the Division has representation on the Surface Engineering Division, the Packaging Society and the Smart Materials Committee.

7 National and international linkages with other Societies /Institutes
The Board provides cross-membership of a number of committees within a variety of institutions:
- Association of Institutions concerned with Medical Engineering (AIME)
- Institution of Mechanical Engineering (IMechE)
- Royal Society of Chemistry (RSC)
- UK Society for Biomaterials (UKSB)
- Institute of Physics and Engineering in Medicine (IPEM)
- European Society for Biomaterials (ESB)
- Tissue and Cell Engineering Society (TCES)
- Royal Academy of Engineering UK Focus for Biomedical Engineering.

8 Government interfaces
The Division has strong connections with the HealthTech and Medicines KTN, and via this the Technology Strategy Board, BIS and the EPSRC. In addition, the Division has strong links with the National Measurement System.

9 Publications
Website improvements: content continually updated and maintained.
Features within Materials World.

10 Awards/prize
The Chapman medal has been established by the Institute for distinguished research in the field of biomedical materials, particularly with respect to biomaterials innovation which has produced benefits for patients and/or contributed to associated opportunities for industry. The winner for 2009 was Dr Denis Smith.

11 Other matters
There were no other matters in 2009.