### PROGRAMME
Tuesday 6 Dec

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<th>Time</th>
<th>Session</th>
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<td>9.00</td>
<td>Welcome &amp; Strategy Session</td>
<td>Sichuan University, British Council, Kiki Liang</td>
<td>Sichuan University, British Council</td>
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<tr>
<td>9.10</td>
<td>Workshop PI's</td>
<td>Phil Coates, Hesheng Xia</td>
<td>Bradford University, Sichuan University, BUCT/Bradford</td>
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<tr>
<td>9.50</td>
<td>Signing</td>
<td>BUCT-Bradford Joint International Laboratory for Soft Matter Technologies</td>
<td>Liqun Zhang/Phil Coates</td>
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<td>10.00</td>
<td>Photo &amp; coffee</td>
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<tr>
<td>10.30</td>
<td>Keynote 1</td>
<td>Innovative manufacturing of medical devices for musculo-skeletal applications</td>
<td>Phil Coates</td>
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<td>10.50</td>
<td>Keynote 2</td>
<td>Biodegradable Stent Development for Cardiovascular Disease Treatment</td>
<td>Yunbing Wang, NERCB Sichuan</td>
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<tr>
<td>11.10</td>
<td>E1</td>
<td>The Changing Face of Healthcare for Aging Populations</td>
<td>Cristina Tuinea-Bobe, Bradford Uni</td>
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<tr>
<td>11.16</td>
<td>E2</td>
<td>Intelligent e-textile for medical applications</td>
<td>Kai Yang, Southampton Uni</td>
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<td>11.22</td>
<td>E3</td>
<td>Sensitive and Visual Biosensing Devices to Promote the Healthcare of Ageing People</td>
<td>Xiaokang Ding, BUCT</td>
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<td>11.30</td>
<td>Team Activity 1</td>
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<td>11.50</td>
<td>E4</td>
<td>Biomaterial-based approaches for healing chronic wounds</td>
<td>Ben Almquist, Imperial College London</td>
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<tr>
<td>11.56</td>
<td>E5</td>
<td>Polymer chain structure design, synthesis and property analysis of polylactides with ultraviolet absorbing function</td>
<td>Long Jiang, Sichuan University</td>
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<td>12.02</td>
<td>E6</td>
<td>Layer-by-layer: a bioengineered tool to enhance specific biological activities at nanoscale</td>
<td>Piergiorgio Gentile, Newcastle University</td>
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<td>12.08</td>
<td>E7</td>
<td>Development of functionalised membranes with enhanced bioactive properties for bone and cartilage repair</td>
<td>Martin Santocildes Romero, Sheffield University</td>
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<td>12.15</td>
<td>Lunch</td>
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British Council/ NSFC Newton Researcher Links:
Early Career Researchers Workshop
Healthcare Technologies for Aging Populations

13.20 Keynote 3
Biomedical materials for tissue repair
Pete Twigg
Bradford University

13.40 E8
High-Throughput Chondrogenesis Screening of Small Molecules in Human Mesenchymal Stem Cells (HMSCs)
Chao Li
Liverpool University

13.46 E9
Decellularised biological scaffolds for musculoskeletal repair: stratification and preclinical evaluation
Anthony Herbert
Leeds University

13.52 E10
Self-assembly of organic molecules for imaging and tumor treatment
Zhigang Xie
Changchun CIACAS

13.58 E11
Porous Inorganic Microspheres for Biomedical Applications: A Platform Technology
Ifty Ahmed
Nottingham University

14.04 E12
Bioactive glasses for bone repair
Ailing Li
ICCAS Beijing

14.10 E13
Dental materials bioinspired from natural proteins
Jianshu Li
Sichuan University

14.16 E14
Enhanced bone regeneration using SLM-enabled electrospinning and injectable microspheres
Thomas Paterson
Sheffield University

14.22 E15
Electrospun Cellulose Nanofiber Scaffolds for Parodontium Reconstructions
Wei Zhang
Sichuan University

14.28 E16
Manufacture and assembly of biopolymer-bioceramic hybrid composites
Natacha Rodrigues
Newcastle University

14.34 E17
Controllable Functionalization of Biomedical Material Surfaces
Shun Duan
BUCT

14.40 Tea Break

15.10 Keynote 4
Advanced Elastomers and Related Research in Biomedical Field
Liqun Zhang
BUCT

15.30 Keynote 5
Structure evolution of Long-chain-branched poly (lactic acid) in the process of solid die drawing and its biological properties
Lin Ye
Sichuan University

15.50 Team Activity 2

16.10 E18
Manufacturing and testing the efficacy of non-fouling/antimicrobial materials
Maria Katsikogianni
Bradford University

16.16 E19
Engineering materials for bio-applications
Yang Li
BUCT

16.22 E20
Applications of electrospun polymers for hard and soft tissue engineering
Farshid Sefat
Bradford University

16.28 E21
A new artifical cevercal disc for cervical disease treatment
Yang Meng

16.34 E22
Innovative manufacturing of medical devices for soft tissue fixation
Karthik Nair
Bradford University
Development of PLA Bone Fixation Material through Solid Hot Stretching Microfibrillation and Its Biological Properties

Functional role of prestress in biomechanical structures

Challenges in representing in vivo loading and kinetics for the preclinical testing of hip implants

Micro-injection molding of poly(vinyl alcohol) based functional composites

Structure and performance of rotation-extruded polymer pipe

Structural evolution of micromoulded poly(ε-caprolactone) upon stretching

Pressure effect on the viscosity measurement of polymer melts and techniques for structuring polymeric blends & nanocomposites.

Structure and performance of rotation-extruded polymer pipe

Drug delivery technologies

UK-China Collaborations in Materials and Drug Delivery

Binary materials to altering drug delivery properties

Clinical applications of polylactones in Tissue Engineering and Drug Delivery

Controlled drug release from polymer matrices prepared through hot-melt extrusion

Drug-Loaded Microfiber for Sustained Antimicrobial Protection and inflammation-responding materials

Dexamethasone-loaded TiO2 nanoparticles to locally target wear-debris induced inflammation

Nanotechnology in pharmaceutical sciences

Incorporating Actives

9.00 Keynote 6 Drug delivery technologies Anant Paradkar Bradford University

9.20 Keynote 7 UK-China Collaborations in Materials and Drug Delivery Jiwen Zhang Shanghai SIMM CAS

9.40 E30 Binary materials to altering drug delivery properties David Berry Durham University

9.46 E31 Clinical applications of polylactones in Tissue Engineering and Drug Delivery Fei Yang Beijing ICCAS

9.52 E32 Controlled drug release from polymer matrices prepared through hot-melt extrusion Rong Chen Sichuan University

9.58 E33 Drug-Loaded Microfiber for Sustained Antimicrobial Protection and inflammation-responding materials Rui Shi Beijing Jishuitan Hospital Peking University

10.04 E34 Dexamethasone-loaded TiO2 nanoparticles to locally target wear-debris induced inflammation Melissa Rodrigues Cardiff University

10.10 E35 Nanotechnology in pharmaceutical sciences Vikaramjeet Singh Shanghai SIMM CAS

10.16 Coffee break

Wednesday 7 Dec
Invited talks

10.45  IT1  Biomedical materials for healthcare applications  Chuhong Zhang  Sichuan University
11.00  IT2  Micromoulding for medical technologies  Ben Whiteside  Bradford University
11.15  IT3  Understanding the structuring process in polymers during processing  Yongfeng Men  Changchun CIACAS
11.30  IT4  Healthcare opportunities in SW China  Sarah Jin  British Consulate Chongqing

Creating & Taking Opportunities - Workshop

11.45  Funding schemes & Proposal Writing Help & Panel
Phil Coates, Bradford  Kiki Liang, British Council
Hesheng Xia, Sichuan  Rebecca Jiang, Foreign Office
Lin Ye, Sichuan  Anant Paradkar, Bradford
Pete Twig, Bradford  Qi Wang, Sichuan
Liqun Zhang, BUCT  Yongfeng Men, Changchun
Dong Qiu, ICCAS  Sarah Jin, UK Consulate Chongqing
Jiwen Zhang, SIMMCAS  Ben Whiteside Bradford

12.45  Lunch

13.45  Workshop: initial discussions
Collaborative proposal workup
16.30  Initial pitches
17.30  end
18.30  Banquet

Thursday 8 Dec

9.00  Visit 1  National Engineering Research Centre for Biomaterials (NERCB) & SKLPMME, Sichuan University
12.30  Lunch
13.30  Visit 2  Chengdu OCI Medical Devices Co. Ltd
16.00  Summary meeting
17.30  end
18.30  Banquet

Support:
Our thanks to: Bradford - Polymer IRC - International Programme Manager SKLPMME, Sichuan University  Xiaolei Wang  Bradford University
Zhanhua Wang  Sichuan University