



Meeting **BOARD OF STUDIES FOR THE FACULTY OF SCIENCE**
Place Microsoft Teams
Date Tuesday 28 September 2021 at 14:15

Present	Professor N Brook Dr R Bradford Dr Z Burke Professor A Burrows Professor M Fraser Dr A Gorbach Professor M Hejmadi Dr R James Professor M Jones Mr K Maharaj Dr G Mathlin Professor T Mays Professor P Milewski Professor A Murrell Mr J Ogunyemi Dr F Qin Dr T Shardlow Dr G Shermer Dr G Stothart Dr M Wright	Dean of Science (Chair) Department of Computer Science Department of Biology and Biochemistry Head of Department of Chemistry Department of Computer Science Department of Physics Associate Dean (Learning and Teaching) Head of Department of Physics Department of Chemistry Undergraduate student representative Natural Sciences Director of Teaching Faculty of Engineering and Design Head of Department of Mathematical Sciences Department of Biology and Biochemistry (alternate for Professor D Tosh) Undergraduate student representative School of Management Department of Mathematical Sciences Department of Chemistry Faculty of Humanities and Social Sciences Department of Computer Science
In attendance	Mrs M Hallett Ms A L Harper Ms P Gabriel	Faculty Assistant Registrar (Secretary) Faculty of Science (Observer) Programmes Manager (Operations) (Observer)
Apologies	Dr F Bisset Miss M Crossman Professor K Edler Dr N Fotaki Professor C Frost Professor N McHugh Professor J Sivaloganathan Professor D Tosh Professor S Ward	Learning Partnerships Office Students' Union Sabbatical Officer (Community) Associate Dean (Research) Department of Pharmacy and Pharmacology Deputy Dean of Science Head of Department of Pharmacy and Pharmacology Department of Mathematical Sciences Department of Biology and Biochemistry Associate Dean (International)

Action

7184 MINUTES OF PREVIOUS MEETING

The Board approved the minutes of the previous meeting of the Board held on 13 July 2021 (Paper 1), and there were no matters arising.

7185 BOARD OF STUDIES MEMBERSHIP 2021/22

The Board reviewed the Board of Studies membership for 2021/22 (Paper 2) and welcomed

new members Dr Zoe Burke (Department of Biology and Biochemistry), Dr Gan Shermer (Department of Chemistry), Professor Karen Edler (Associate Dean, Research), Miss Meg Crossman (Students' Union representative) and Mr Kieran Maharaj (Undergraduate representative, same as last year) / John Ogunyemi (Undergraduate representative).

7186 CHAIR'S BUSINESS

The Chair brought the following matters to the attention of the Board:

- Faculty recruitment: Undergraduate (UG) Home 1,139 (target of 1,026) and Overseas 76 (target of 85). All departments met their UG targets, bar one. UG numbers have recovered to levels last seen in 2017/18. Postgraduate Taught (PGT) Home 147 (target of 137) and Overseas 149 (target of 132). All departments, bar one, missed their targets; Computer Science was buoyant. However, PGT levels are 2.5 times the level of the 2016/17 intake, and 5 times the level for Overseas. The Chair thanked staff for their efforts in achieving this growth. The Chair was mindful of staff wellbeing and student experience with the increase in student numbers; staffing levels and delivery modes of teaching will be monitored. The Board noted that online MSc Computer Science and AI have combined approx. 700 students currently, and with the 3 intakes this year for both programmes this is likely to increase to 1,000.
- University recruitment: UG Home 3,362 (target of 3,180) and Overseas 514 (target of 607). PGT Home 612 (target of 676) and Overseas 918 (target of 1,264).
- Education: Curriculum Transformation and Assessment and Feedback are high on the agenda. New courses are also in the pipeline, both UG and PGT.
- Research: Aggressive research growth targets have been set over the next 5 years (£12m uplift to be achieved). Research recovery continues to be an issue. TRAC numbers show that the University underperforms against its peer groups for research councils, other Government funding and UK charities. For UKRI, Bath recovers 63% of its costs compared to the peer group including Loughborough, Durham and Royal Holloway which recovers 66%; Russell Group and other high performing smaller universities, such as Lancaster, recover 72%.
- Over the next few months, the Faculty will develop a medium to long-term strategy, that maps onto the new University strategy, to inform the next planning round. The strategy will focus on education and research growth, by broadening local, regional and international partnerships, underpinned by a staffing strategy. A Faculty Strategic Away Day will be held in mid-December (date to pencil in is 14 December) to which HoDs, DoTs and Directors of Research will be invited.
- Lifesciences new department: The Chair thanked the Departments of Biology and Biochemistry and Pharmacy and Pharmacology for producing self-assessment documents. These have been shared with a Review Panel which will be chaired by Professor J Knight and will include 4 external members, nominated by the departments, Professor K Edler as Associate Dean (Research), Dr N Gjersoe as H&SS Associate Dean (Learning and Teaching) given Professor Hejmadi is conflicted due to her being a member of the Department, and Mr J Withington as SU Education Officer (and UG representative on BoS last year). A site visit is scheduled for the Panel for 21-22 October.
- Faculty Executive has approved a new 0.2 FTE Knowledge Exchange Director role to support primarily the Associate Dean (Research) but also Associate Dean (Learning and Teaching); the advert will go out soon. The role is not only aimed at supporting / coordinating REF impact continuity, it will also focus on Knowledge Exchange Framework (KEF) metrics, including CPD and student spin out.
- The Chair thanked Mr K Maharaj for agreeing to sit on the Faculty Employer Advisory Board as a student representative.

7187 REVIEW OF DEPARTMENT COMMITTEE MEMBERSHIPS

The Board reviewed, in accordance with the Athena SWAN University Self-Assessment Team

(USAT) Action Delivery Plan, the membership of Departments’:

- Executive Committee
- Learning, Teaching and Quality Committee (DLTQC)
- Research Committee

Department of Biology and Biochemistry (Paper 3).

Department of Chemistry (Paper 4):

The Chair noted a reasonable gender balance, except for the Natural Sciences Convenors Group: acknowledging that the members were all ex officio, the Chair requested that the Department keep this under review.

Department of Computer Science (Paper 5).

Department of Mathematical Sciences (Paper 6):

The Chair flagged that the Executive Committee was all male. Professor Milewski explained that the members were all ex officio and that the Deputy Chair of DEDC, who is female, attends every other meeting.

Department of Pharmacy and Pharmacology (Paper 7).

Department of Physics (Paper 8).

7188 REPORT ON RESEARCH GRANTS

The Board received details of awards accepted by Research and Innovation Services from 19 June until 20 September 2021 (Paper 9).

The Chair congratulated in particular:

- Dr Christopher Pudney, Department of Biology and Biochemistry, for his award of £415,010 from the EPSRC for research into Point-of-care Detection of Synthetic Cannabinoid Receptor Agonists.
- Dr Alex Cresswell, Department of Chemistry, for his award of £384,211 from The Royal Society for research into Simplifying Amine Synthesis: New Strategies for Amine Activation.
- Dr Matthew Grayson, Department of Chemistry, for his award of £304,698 from the EPSRC for research into Machine Learning and Molecular Modelling: A Synergistic Approach to Rapid Reactivity Prediction.
- Professor Chris Budd, Department of Mathematical Sciences, for his award of £1,273,125 from the EPSRC for a Programme Grant: Mathematics of Deep Learning.
- Dr Daniel Loughran, Department of Mathematical Sciences, for his award of £1,155,884 from UK Research and Innovation for research into FLF Geometric Analytic Number Theory.
- Professor Paul Milewski, Department of Mathematical Sciences, for his award of £400,000 from the EPSRC for Maths Research Associates 2021.
- Dr Sarah Penington, Department of Mathematical Sciences, for her award of £546,738 from The Royal Society for research into Branching Systems with Spatial Interactions.
- Dr Matthew Roberts, Department of Mathematical Sciences, for his award of £363,819 from The Royal Society for research into Sample Path Asymptotics and Applications to Branching Structures.
- Dr Lewis Topley, Department of Mathematical Sciences, for his award of £537,674 from UK Research and Innovation for research into Geometric Representation Theory and W-algebras.
- Dr Andrew Watts, Department of Pharmacy and Pharmacology, for his award of £373,362 from Corsham Science Ltd for research into Development of Reporter Gene Cell Lines for Evaluating Fc Receptor Activity of Therapeutic Antibodies.

7189 FACULTY EXECUTIVE COMMITTEE

The Board noted the minutes of the meetings held on 6 July (Paper 10A) and 7 September (Paper 10B) 2021.

- 7190 FACULTY RESEARCH AND KNOWLEDGE EXCHANGE COMMITTEE**
The Board noted the minutes of the meeting held on 7 July 2021 (Paper 11).
- 7191 UNIVERSITY BOARD OF STUDIES (DOCTORAL) (BoSD)**
The Board noted the minutes of the meetings held on 16 June (Paper 12A) and 21 July (Paper 12B) 2021.
- 7192 STAFF STUDENT LIAISON COMMITTEE (SSLC) MEETINGS**
The Board noted the minutes of the following Department SSLC meetings:
Department of Biology and Biochemistry 30 July 2021 (Paper 13).
Department of Pharmacy and Pharmacology 21 July 2021 (Paper 14).
- 7193 ANY OTHER BUSINESS**
There was none.