Embedding and promoting enterprise to bioscience students through the curriculum and engagement through an…

Conference Paper · June 2017

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Kingston University London

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Horizons in STEM Higher Education Conference: Making Connections and Sharing Pedagogy

ABSTRACT SUBMISSION FORM

Please complete this abstract submission form and save in PDF format before uploading to EasyChair at https://easychair.org/conferences/?conf=stemhorizons17
The deadline for submissions is **31st March 2017**

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Title of your presentation/session:	Embedding and promoting enterprise to bioscience students through the curriculum and engagement through an extra-curricular activity
Presentation type: what is your preferred format? • Poster presentation • Oral presentation (20 mins) • Workshop (1 hour) • Virtual presentation (5-minute "flash" video or poster, available for international submissions)	Poster presentation
Are you interested in submitting a full paper based on your presentation after the conference? (2000-4000 words). Deadline 30th September.	Yes

Student presentations: are students partners in this work? • Student-led presentation • Student as co-presenters • Student as co-authors	No

To support the conference aims of **Making Connections, Innovating and Sharing Pedagogy**, the conference committee welcomes submissions that fall **either** within the following broad educational themes **or** discipline areas. Please indicate whether your work fits in the pedagogic/innovation themes of the conference which may be of interest to all STEM colleagues or whether it is subject specific of interest to a discipline-based audience.

Themes: Which of these <u>themes</u> does your presentation address? • Open Education • Enhancing the student experience • Students as partners in teaching and research • Reward and recognition • International perspectives on STEM education	Reward and recognition Enhancing the student experience
OR: Discipline: Which <u>discipline</u> is your proposed presentation situated? • Biological Sciences • Computer Science • Psychology • Physics • Chemistry • Earth Sciences • Engineering • Mathematics • Pharmaceutical Sciences • Other (please specify)	Biological Sciences

Abstract
• Poster presentations (150 – 300 words)
• Oral presentations, workshops (250 – 500 words)
• Virtual presentations (available for international submissions) (150-300 words)

For example include:
• Background about the area and theoretical framework of the work
• An outline of the issues explored
• An account of the work that is in progress or has been carried out
• Where appropriate an outline of the structure of the session, including activities, designed to engage delegates with the topic area
• The intended learning outcomes for participants.

The fundamental link between graduate skills and employability was highlighted in the recent STEM degree provision and graduate employability Wakenham review (2016). It identified mismatches in expectations between bioscience higher education providers and industry, particularly in some areas such as commercial awareness. This presentation outlines an initiative we undertook as part of a programme to develop and embed wider employment concepts across the curriculum. As part of this initiative a module called 'Current Concepts in Biomolecular Sciences' was developed at level 6. While this initially included signposting to enterprise and attempts to introduce enterprise through lectures, we felt that there was a need for a concrete exercise to bring it to life for the students and engage them directly in an enterprise activity. We introduced a discretionary, 5-mark bonus for anyone on the module who entered the university's Bright Ideas competition. The initiative was supported by workshops from the Enterprise team, signposting to other resources and events, and encouragement to attend and develop their ideas through the university's Bright Ideas programme. The presentation will outline the mechanisms used to develop the teaching initiative, and will provide a measure to the success achieved from running the scheme over the past two years in terms of student feedback, engagement, recognition and achievement.

Please provide a summary of your abstract – maximum 50 words to be used in advertising the sessions and encouraging audience engagement

We outline our strategy to narrow the gap between employers' expectations and graduate capabilities. The strategy pursued embeds and promotes enterprise to bioscience students through the curriculum. It also encourages wider student engagement through an extra-curricular activity. Measures of success include module marks, student satisfaction ratings, and external recognition.

Equipment/session requirements – ONLY complete this section if you are submitting an abstract for a workshop and know what equipment you might need which we will try our best to accommodate. NB: Short oral presentations will have the usual IT facilities i.e. PC/laptop, projector facilities and access to the internet. Virtual presentations will have similar display facilities; more details to follow.