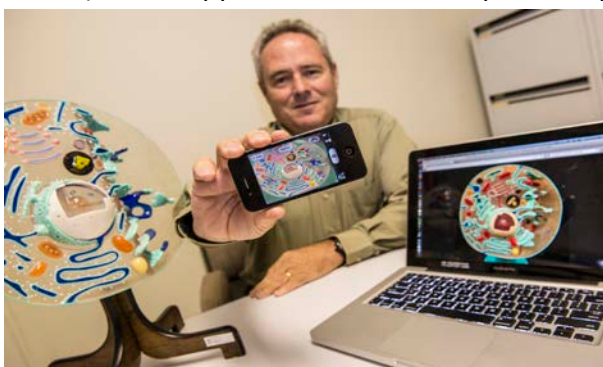


Achievements Statement

Garry Hoban's OLT National Senior Teaching Fellowship linked two key issues in Higher Education. First, national reports have identified a need to find new ways to engage science students with content. Second, the international *Horizon Report: 2014 Higher Education* predicted that student-generated media for creating content will become a key trend in 3-5 years. Garry's fellowship, *Digital Explanations: Learning and Communicating Science with Student-created Digital Media* introduced science academics and science teacher educators to new ways for promoting student engagement with content by implementing assignments that use a range of student-generated digital media (for example, podcasts, digital story, slowmation, videos, and blended media). Two supports enabled widespread implementation:



Engaging Students in Learning, Explaining and Communicating Science with Student-created Digital Media



1. BYOD (Students Bring Your Own Devices)

2. Free "how to" instructions and resources at www.digiexplanations.com

The most creative media form was undoubtedly "blended media" whereby students could mix and match their own visuals with the visuals of others using still images, animation and video to complement a narration. Blended media is like an "educational mash up" providing limitless ways for engagement and creativity. This form uses YouTube like a visual library with endless visual resources to complement students' own media as shown by these entries into the National Science Film Festival. In the media students explain Vitamin D deficiency using animation, overactive bladder using blended media, the Tasmanian Devil using whiteboard animation and the Urea Cycle using a wrap song like biochemical karaoke.



2nd "Vitamin D" by S. Razif, F. Zubair, M. Zuberi, M. ...
by Digital Explanations Science Film Festival Finalists 2014
35 views 1 month ago



4th "Overactive Bladder" by Deanne Ashford, UOW
by Digital Explanations Science Film Festival Finalists 2014
36 views 1 month ago



1st. "The Tasmanian Devil" by Lauren Grote, UWS
by Digital Explanations Science Film Festival Finalists 2014
19 views 1 month ago



"The Urea Cycle" by J. Dowdle, R. Dwyer, R. Rigb...
by Digital Explanations Science Film Festival Finalists 2014
126 views 1 month ago

Integrating personally created media with the media of others has implications for other subject areas. New resource videos have been added to the website such as *Digital Scholarship* to summarise copyright and appropriate attribution in a media product. It is predicted that over time, assignments incorporating student-generated digital media will spread to other disciplines beyond science and for other media genres such as for narratives and reports.

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