



生命科學學院



Developing Video Learning Modules for Cell & Developmental Biology

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Summary

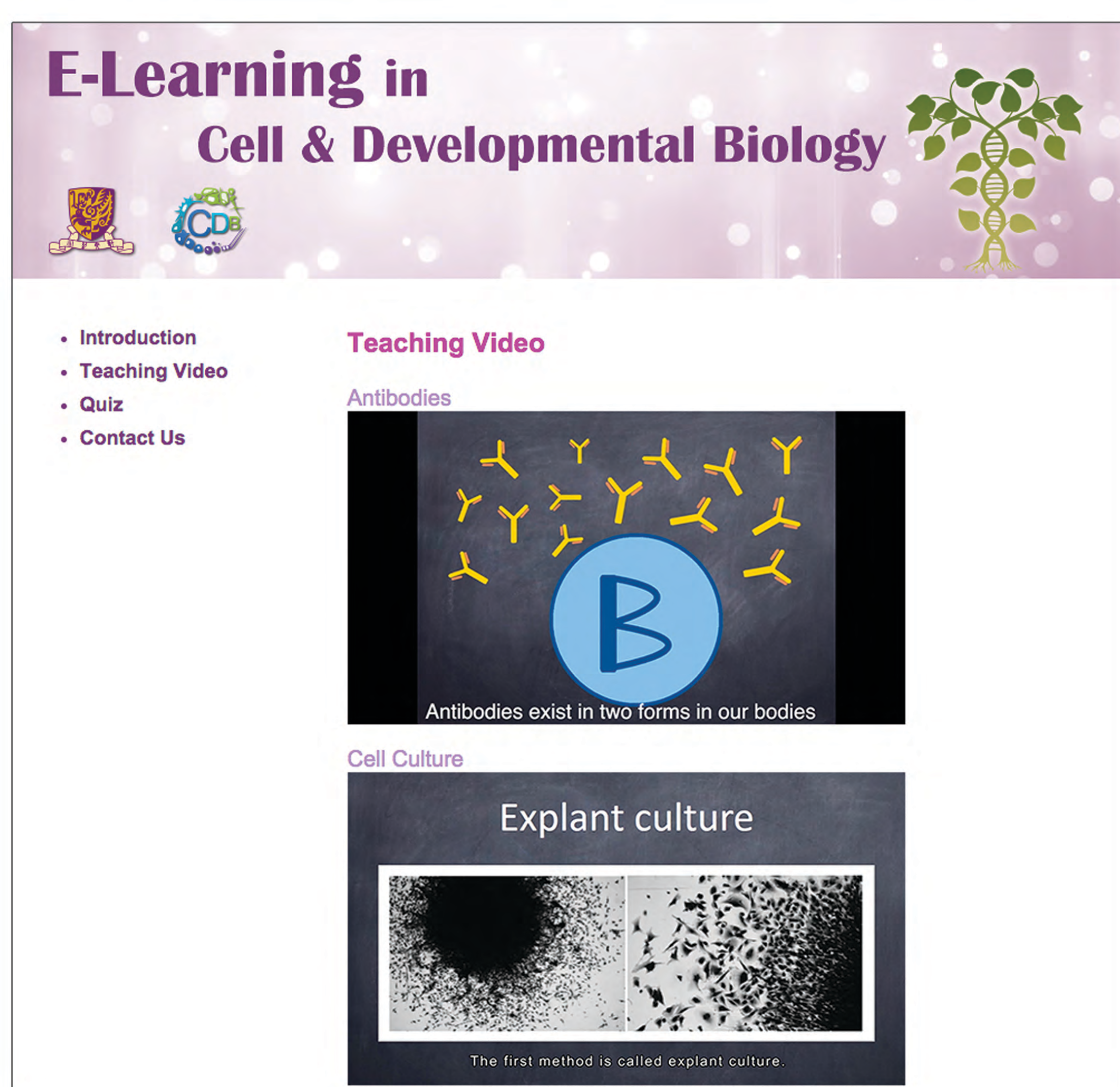
Our project aims at developing online teaching videos on the basic knowledge and the advance developments in Cell and Developmental Biology. Undergraduate Students coordinated with the Postdoc Fellows and Postgraduates in the research laboratory to produce teaching videos featuring various biological concepts, experimental techniques and advanced research findings.



Postgraduate explaining biological concepts to undergraduate students for video development.

Online Learning Platform

The teaching videos are uploaded to our online learning platform. They are complemented with online quizzes to test for students' understanding. Students can watch the videos out-of-class as a way of self-learning so that the valuable lecture time could be used more intensively for interactive teaching-and-learning.

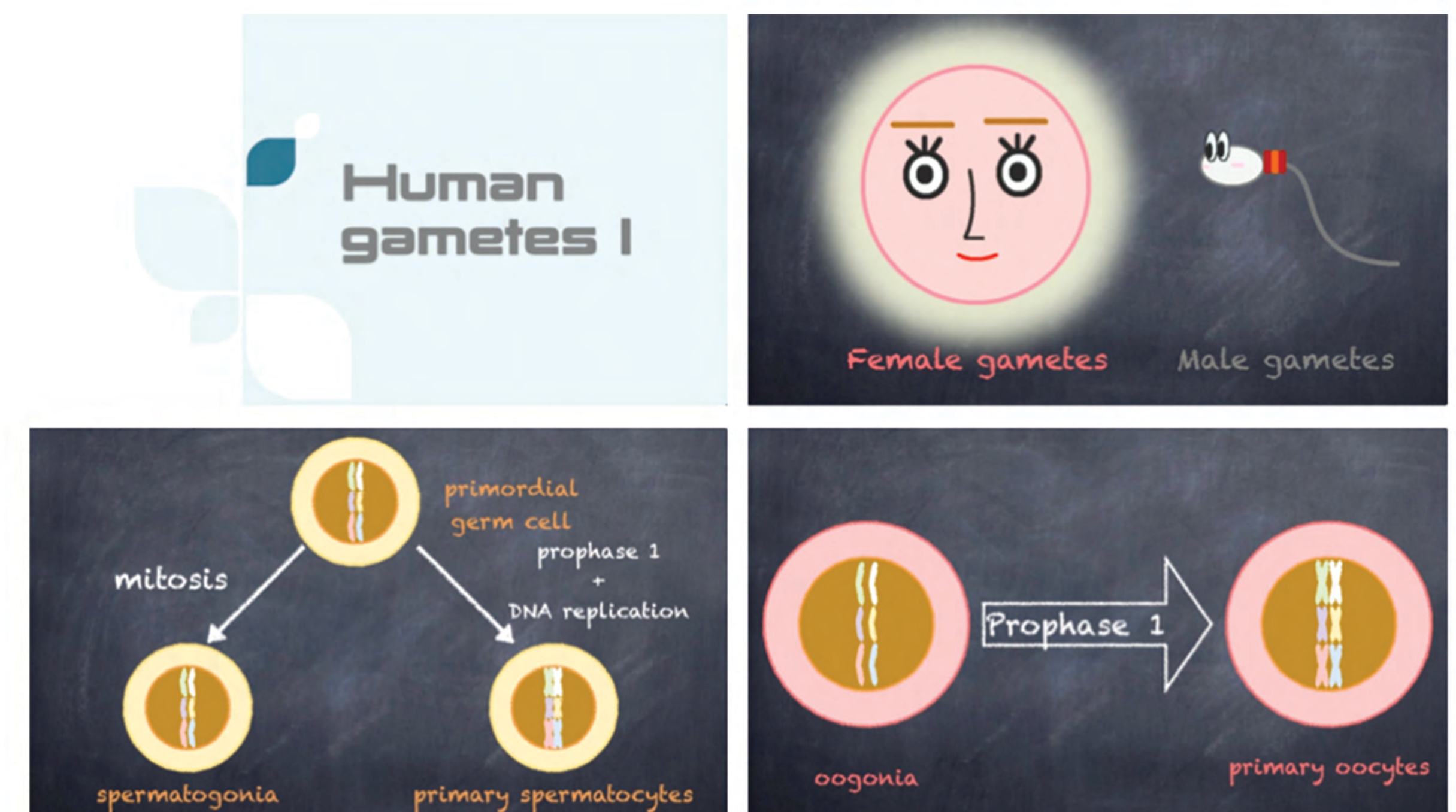


Interface of website developed

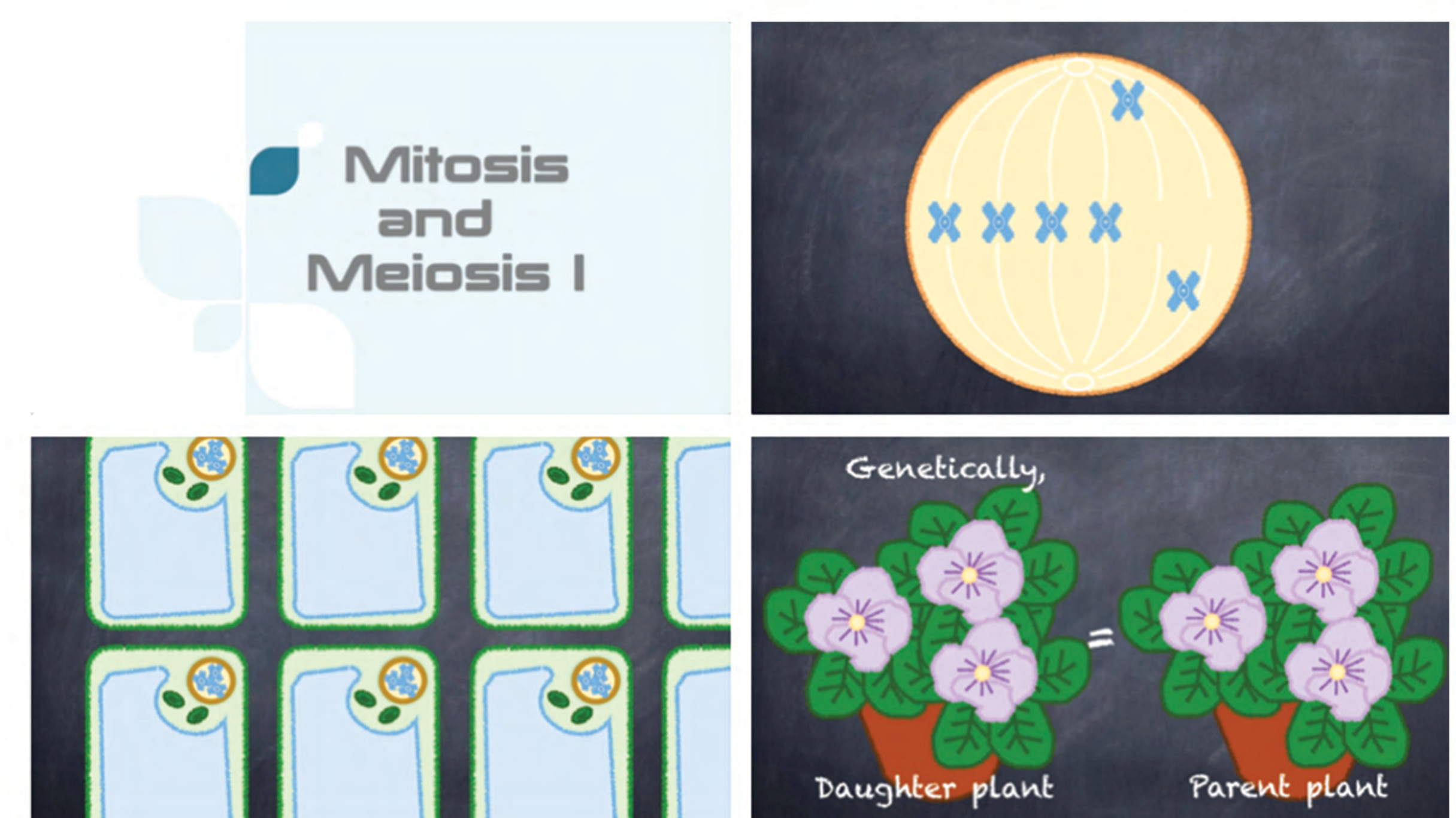
Self-learning Videos

In this year, multiple teaching videos have been generated. These introduce a range of topics for the Cell and Developmental Biology course, including:

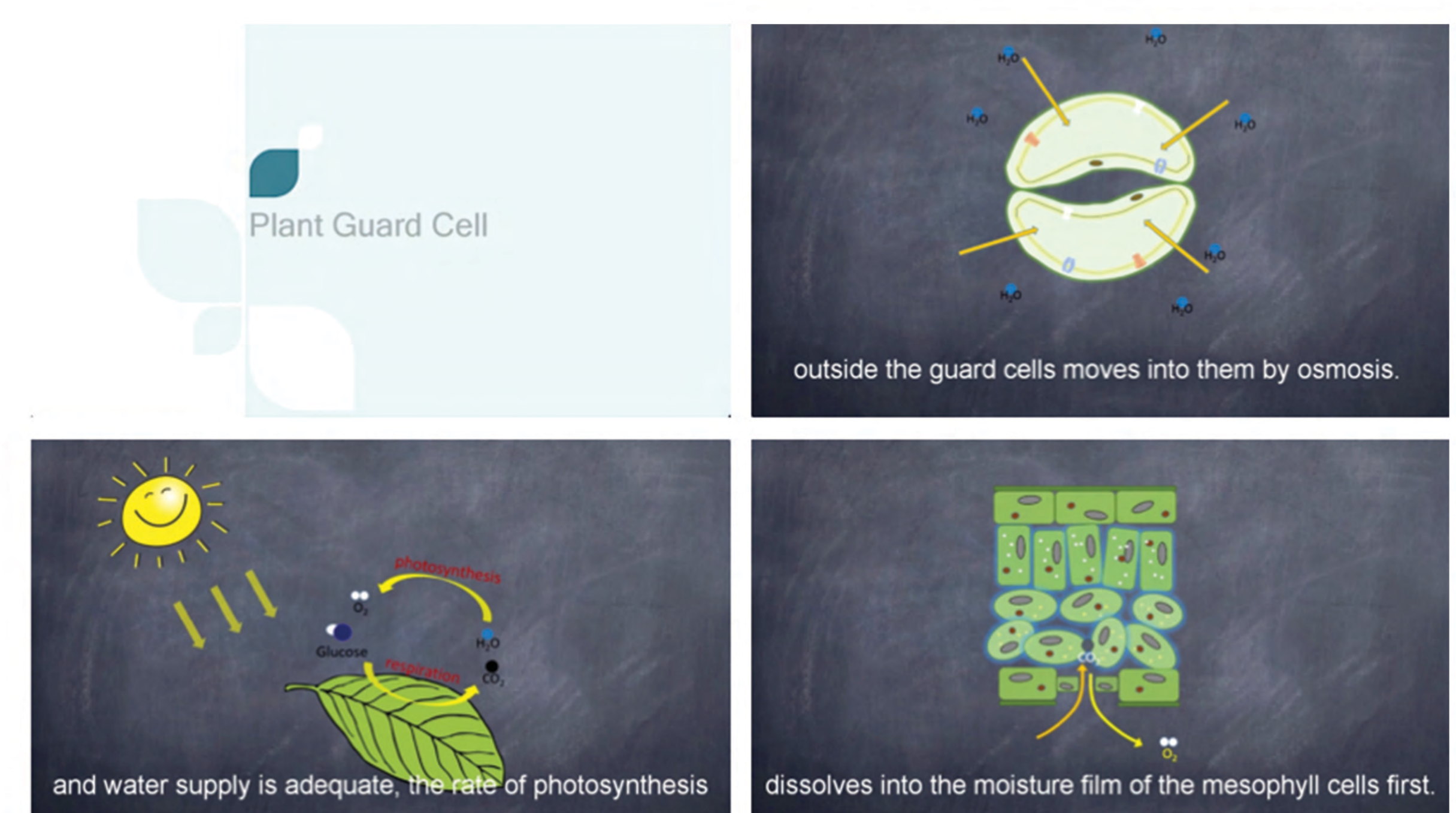
A. Human Gametes I and II (2 videos)



B. Mitosis and Meiosis I and II (2 videos)



C. Plant Guard Cell



Conclusion

During 2013 - 2017, a total of 24 online teaching videos are generated. Some of these videos have been used in teaching undergraduate courses (e.g. CMBI4001) with good feedbacks from the students. In the future, we will continue to organize seminar and training workshop in CUHK to publicize these new teaching materials.