

遗传学教学

整合现代教育技术与建构主义学习理论的基因组学创新教学模式

梁旭方, 彭婧, 周天鸿

暨南大学生物工程学系, 广州 510632

收稿日期 2006-1-9 修回日期 2007-1-18 网络版发布日期 2007-3-12 接受日期

摘要

为了克服传统教学方式的各种弊端, 作为广东省分子生物学精品课程体系建设的内容之一, 对当今生命科学研究的前沿领域——基因组学的教学模式进行了改革, 其中包括采用外国原版教材、进行双语教学以及以建构主义为指导的专题讨论教学法与多媒体辅助教学。在考试形式和实验教学方面, 则采用了多元化考核方式和增添了设计性实验。通过对基因组学教学的改革, 逐步完善了现代分子生物学课程体系的构建。

关键词 [精品课程建设](#) [分子生物学](#) [基因组学](#) [建构主义](#) [教学方式](#)

分类号

Genomics innovative teaching pattern based upon amalgamation between modern educational technology and constructivism studying theory

LIANG Xu-Fang, PENG Jing, ZHOU Tian-Hong

Jinan University Bio-engineering Department, Guangzhou 510632, China

Abstract

<P>In order to overcome various malpractices in the traditional teaching methods, and also as part of the Guangdong province molecular biology perfect course project, some reforms were carried out to the teaching pattern of genomics. The reforms include using the foreign original teaching materials, bilingual teaching, as well as taking the constructivism-directed discussion teaching method and the multimedia computer-assisted instruction. To improve the scoring way and the laboratory course of the subject, we carried on a multiplex inspection systems and a self-designing experiments. Through the teaching reform on Genomics, we have gradually consummated the construction of molecular biology curriculum system.</P>

Key words [course project](#) [molecular biology](#) [genomics](#) [constructivism](#) [teaching method](#)

DOI: 10.1360/yc-007-0508

通讯作者 梁旭方 liangxf@jnu.edu.cn

扩展功能	
本文信息	
▶	Supporting info
▶	PDF(0KB)
▶	[HTML全文](0KB)
▶	参考文献
服务与反馈	
▶	把本文推荐给朋友
▶	加入我的书架
▶	加入引用管理器
▶	复制索引
▶	Email Alert
▶	文章反馈
▶	浏览反馈信息
相关信息	
▶	本刊中 包含“精品课程建设”的 相关文章
▶	本文作者相关文章
·	梁旭方
·	彭婧
·	周天鸿