

STUDENTS HELP US TO CREATE VIDEOS USED FOR STUDYING OF BIOLOGY

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Nowadays students

- ☐ show decrease in motivation to study, attend addition courses or study extra information
- ☐show little interest in excellent grading, they are satisfied to pass
- it is harder to keep the attention of students and to motivate them



Learning of biology at universities

practical lessons, lectures and self-studying

- microscope, experiments, calculation....
- □hand books, books, ppt, discussions, tests....
- modern alternative methods can attract students and motivate them (moving diagrams, songs and animations available on YouTube, interactive board, e-learning, blogging activity, videos)
- not only students, but also teachers should be enthusiastic



Inovation of education at VFU Brno

OPVK

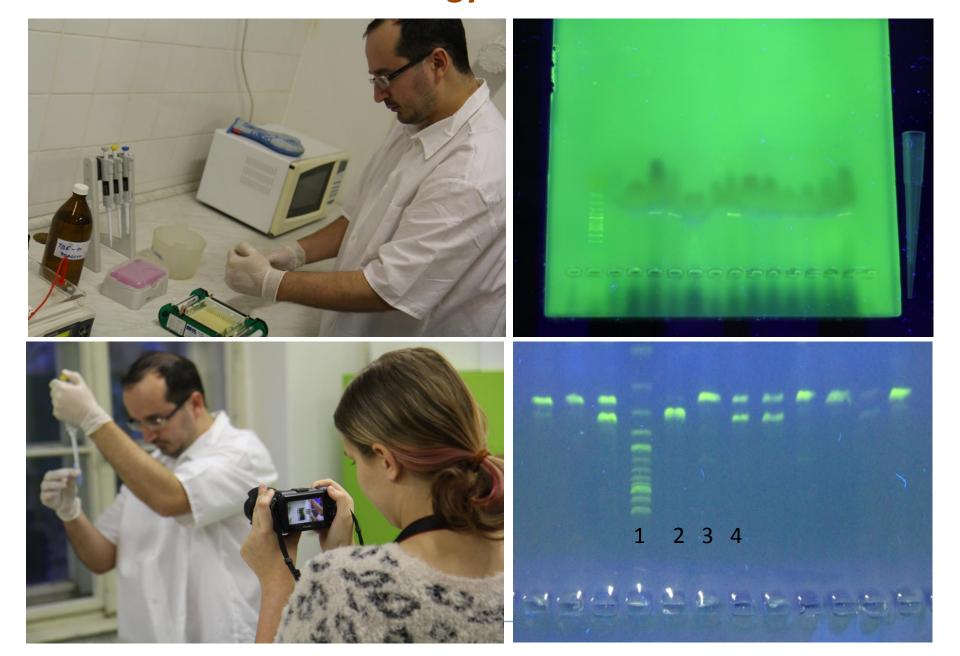
- ☐Master's study programs (2009 2012)
- ☐ Bachelor study programs (2012 2015)
- new practical courses, handbooks, e-learning, case studies....

Internal grants

JCMM (South Moravian Centre for International Mobility)



Methods of molecular biology used for detection of bird sex



Methods of molecular biology used for detection of bird sex

three parts (4 min each part), czech titles

http://fvhe.vfu.cz/studium/multimedialni-pomucky/index.html



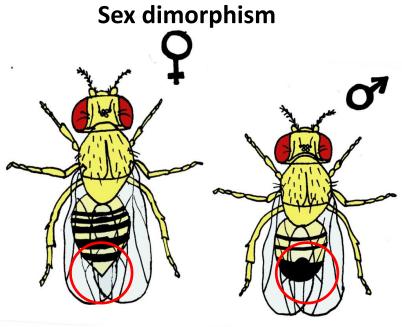
Inquiry (Survio.cz), 22 students responded

- understanding? yes 59 %, not sure 36%, no 5%
- Iength accurate? yes 86%, no 14%
- titles enough? titles 23%, spoken 23%, combination 55%
- music? yes 59%, no 41%

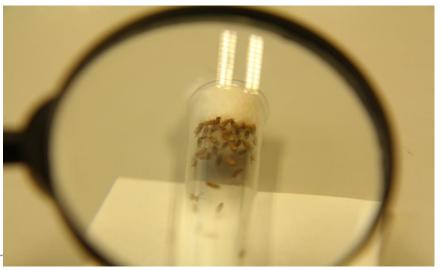


Inheritance of color of eyes in fruit fly - genetic experiment









Inheritance of color of eyes in fruit fly - genetic experiment

Two parts (2-3 min), czech titles, music

https://www.youtube.com/watch?v=UxYQvZ4g.ni4
https://www.youtube.com/watch?v=zXxUFKyCJIw







Students and video

Young students

- > good partners to prepare modern study materials
- more skilled in using of el. media and devices
- > enthusiastic

However it need

- > supervising
- > feedback from teaches and students







- **□** Video creation
 - Jana Juřicová
 - ■Dominik Macháček
 - Gábina Plchová
- ☐ Financial support South Moravian Centre for International Mobility



Example of video



Students create videos

Grant from JCMM (2015 – 2016)

- ■2 students (Secondary Technical School of Chemistry Brno) and 1 student (Grammar school Blansko)
- > attended practical lessons, how to make video
- □cameras and lenses Canon EOS 60D + Canon EF-S 17-55 mm/f2.8 and Canon EOS M + Canon EF-M 18-55 mm/F3.5-5.6
- ☐ Pinnacle studio, Edius 7, Picmonkey or Gimp

 2.8

