

TITLE: INFORMATION AND COMMUNICATION TECHNOLOGIES (ICTs) IN MICROBIOLOGY TEACHING: *CHLAMYDIA SP.* IN #ADOTE PROJECT.

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ABSTRACT:

Project “#Adote” uses digital media as its main pillar, allowing integration of today’s virtual world and education. Based on the sharing of information obtained from online research and discussed on social media, active learning develops as students collectively build their knowledge in the area of Microbiology, with the help of mediators, who may be both undergraduate and postgraduate students. The methodology was applied, at University of São Paulo (USP), in undergraduate courses of Biomedical and Health Sciences, Dentistry and Veterinary Medicine. Our approach is highly flexible with regard to course material and can easily be adapted to a wide range of disciplines while encouraging the use of several tools and student participation. In this sense, we highlight the relevance of the elaboration of videos by the students, a practice that leads to active learning and allows later dissemination of the project’s contents and Microbiology knowledge to wider audiences. As an example, we bring the work done by a group of the Dentistry class at USP, which “adopted” the bacterium *Chlamydia sp.*. The study of this bacterium by the students was of great importance, since most of them are part of the risk groups of Sexually Transmissible Infection (STI) caused by the microorganism in question. Thus, in a joint work between students and mediators, a musical parody about the theme was produced. This work, besides promoting greater interest and integration, provided better content fixation by the students, since in the adapted composition there is detailed information about this bacterium. We emphasize that several of the videos created by the project’s participants are used as a means of disseminating this methodology in meetings and events at the University, leading to greater interest in this method from other educators. In addition, this material can be used to disseminate scientific fundamentals to the public through platforms such as Instagram[®] and YouTube[®]. In the Facebook[®] page “Adopt Teaching in Microbiology” we have more than 26 thousand followers, which demonstrates the interest of the population for our project. The increasing adhesion of society to Information and Communication Technologies (ICTs) made possible the development of an educational project with emphasis on Microbiology, based on active teaching, and that encompasses applications for science popularization.

Keywords: Facebook[®]; Instagram[®]; YouTube[®]; active learning; *Chlamydia*; scientific divulgation; ICTs
Development Agency: Pró-Reitoria de Graduação - USP and Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)