

Update in Molecular Biology and Biotechnology: providing alternative for Sciences and Biology Teachers

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One of the goals of the Coordination of Education and Dissemination of CBME is to contribute for the dissemination and the learning in Molecular Biology and Biotechnology in all the educational levels. Thus, composing one of our actions in 2007, a course of update in Molecular Biology and Biotechnology directed to 21 teachers of Sciences and Biology of São Carlos (SP, Brazil) was carried through, totalizing 24 hours. In one of the meetings, we presented the techniques involving restriction enzymes, gel electrophoresis and its applications, followed of an experimental activity. Also we constructed and considered the use, for the teachers, of a macroscopic model of a gel box that would represent the displacement of DNA fragments. After that a written questionnaire was used to evaluate the importance attributed for the teachers to the subject, the possibilities of didactic transposition, as well as their interests for other activities that would deal this thematic at great length. From this, we registered that the 93% of the teachers showed interest in the subject, considering it important and also, 79% of them affirmed to have possibility of didactic transposition of this subject after they have experienced the course. On the other hand, 86% of the teachers did not work the subject in their classes, amongst which 50% for the lack of time or not enough preparation. Therefore, the data suggest that the course had an impact on the vision of the teachers concerning the alternatives to include the subject Molecular Biology and Biotechnology in their curricular planning.