

DDSB & OSSTF District 13
2006 PD PROGRAM ABSTRACT

DIMITRIOS MELEGOS

<http://biotrek.sitesled.com>

Feb 17, 2006

Grades 11 & 12

Workshop (2.5 hours)

Biology

Best Practice/Innovative Technology

Bacterial Transformation & Protein Electrophoresis

Participants will explore practical and theoretical aspects of gene cloning and protein electrophoresis. In addition participants will have the opportunity to interact, and inquire from the speaker detailed information about activity content, and implementation strategies.

ABOUT THE PRESENTER:

Mr. Melegos is currently a science teacher at Dunbarton H.S., with the Durham District School Board. His teaching career started 6 years ago, by teaching high school science and math courses. Mr. Melegos was a former head of science for 3 years at G.L. Roberts C.V.I., and presently he is heading the science department at Dunbarton H.S. Prior to teaching, Mr. Melegos was a medical research associate with The Toronto Western Hospital, Mount Sinai Hospital, and The Hospital For Sick Children. He conducted research in the field of tumorigenesis, cancer monitoring & diagnosis, fetal development, and neurobiology for over 4 years with collaborators from the US, Europe, and Japan. Mr. Melegos has authored and published 22 original research manuscripts in various scientific journals. His educational research interests include the promotion of high school biotechnology, scientific literacy & numeracy, and space science. He has also been supportive in the development and maintenance of environmental programs at both G.L. Roberts C.V.I., and Dunbarton H.S. He is a member of the advisory board of the Durham's College biotechnology program. Mr. Melegos is an honorary member of the Canadian Space Program.