



Curriculum Vitae



DIMITRIOS N. MELEGOS

Revised: August 06, 2005

Personal Objective Statement

To develop, maintain, and promote positive attitudes towards science, and life by fostering effective working and learning environments, and contributing to the development of others. My educational dogma is one that incorporates effective and innovative practical teaching methodologies that would complement scientific theory, and provide enriched learning opportunities through the process of guided inquiry, and authentic education. Personal research interests include curriculum development and program implementation strategies in high school biotechnology, statistics, scientific literacy, and space science.

Present Position

Head of Science
Department of Science
Dunbarton High School
Durham District School Board
655 Sheppard Avenue
Pickering, Ontario, Canada L1V 1G2
Telephone: 905.839.1125
Fax: 905.839.6536
E-Mail: Melegos_Dimitrios@durham.edu.on.ca
Website: <http://www.dunbartonhs.ca>

Address

Details about home address have been deleted from this internet version of Mr. Melegos' curriculum vitae. For further information please contact Mr. Melegos directly.

E-Mail: Dimitrios.Melegos@utoronto.ca
Website: <http://ca.geocities.com/dnmelegos>

Date and Place of Birth

August 19, 1971 in Tripoli, Greece

Citizenship Status

Citizen of Canada
Citizen of The Hellenic Republic

Degrees

Date Conferred	Degree	Faculty and Institution
1995	Bachelor of Science (B.Sc.)	Faculty of Arts & Science, University of Toronto, Canada
1999	Bachelor of Education (B.Ed.)	Ontario Institute for Studies in Education, University of Toronto, Canada

Education

Primary and Elementary

Pedagogic Academia [1976-1982], Tripoli, Greece

Intermediate

1st Gymnasium of Tripoli [1982-1985], Tripoli, Greece

Secondary

Kipling Collegiate Institute [1985-1990], Toronto, Canada

Ontario Secondary School Diploma (OSSD), Principal's honour roll, senior soccer team

Post Secondary

- University of Toronto [1990-1995], Toronto, Canada
Bachelor of Science (Specialist in Human Biology)
- University of Toronto [1996-1997], Toronto, Canada
Master of Science special student (Laboratory Medicine and Pathobiology)
- University of Toronto [1998-1999], Toronto, Canada
Bachelor of Education (Intermediate/Senior Science and Mathematics)

Awards and Distinctions

Year	Description	Sponsor
1987	Honour Student	Greek Community of Metropolitan Toronto
1990	City of Etobicoke Honour Student	Board of Education, Etobicoke
1991	Richview Residence Association Scholarship Award	Richview Residence
1994	University of Toronto Undergraduate Summer Scholarship Award	Banting Institute, University of Toronto
1995	University of Toronto Undergraduate Summer Scholarship Award	Banting Institute, University of Toronto
1995	Best Scientific Abstract Award International Prize Award	Clinical Ligand Assay Society, and Boston Biomedica Inc.
1996	International Meeting Travel Grant Award Chicago, USA	American Association for Clinical Chemistry

Certifications and Fellowships

Year	Description
1999	Certified Teacher by the Ontario College of Teachers (Registration number: 427572)

Professional Qualifications in Teaching

Basic Qualifications	General Science and Mathematics at the Intermediate & Senior Level
Additional Qualification	Honour Specialist in Biology

Society Memberships and Affiliations

1990	University of Toronto Greek Students' Association
1995	American Association for Clinical Chemistry
1995	University of Toronto Alumni
1999	Ontario College of Teachers
1999	The Ontario Secondary School Teachers' Federation
1999	Science Teachers' Association of Ontario
2001	National Biology Teachers' Association
2002	Ontario Science and Technology Outreach Network
2004	Filomousos Society
2005	The Ontario Society for Environmental Education

Certificates

1. Certificate of Proficiency in English at the primary level. Byron College of English, London, England. *Jul 1983.*
2. Certificate of Completion of the Greek Heritage Program. Etobicoke Board of Education, Toronto, Canada. *Jun 1986 & Jun 1987.*
3. Certificate of Proficiency in English. The University of Michigan, Ann Arbor, USA. *Oct 1996.*
4. Certificate of Achievement. Hewlett Packard Chemical Analysis Education Centre, Mississauga, Canada. *Apr 1997.*
5. Certificate of Appreciation for mentoring a CO-OP student. G.L. Roberts C.V.I., Oshawa, Canada. *Feb 2000.*
6. Certificate of Commitment in Teaching. G.L. Roberts C.V.I., Oshawa, Canada. *Jun 2001.*
7. Certificate of Completion of the Secondary Science Curriculum Summer Institute. Ontario Teachers' Federation, Toronto, Canada. *Aug 2001.*
8. Certificate of Recognition for participating in an in-service institute entitled "Classrooms that Work". Ontario Parenting Education Centre, Toronto, Canada. *Aug 2001.*
9. Certificate of Participation at The National Biotechnology Teacher's Program. The Biotechnology Institute, Toronto, Canada. *Jun 2002.*
10. Certificate of Completion of a webpage creation course. Durham District School Board, Whitby, Canada. *Feb 2003.*
11. Certificate of Appreciation for the development and implementation of two ministry approved locally-developed courses. Durham District School Board, Oshawa, Canada. *Jun 2003.*
12. Certificate of Honourary Membership of The Canadian Space Education Awareness Program. Canadian Space Agency, Montreal, Canada. *Aug 2003.*
13. Certificate of Participation in a Software and Technology workshop by Vernier. Vernier Software & Technology, Toronto, Canada. *May 2004.*
14. Certificate of Participation in the Canadian Space Education Awareness Program. Canadian Space Agency, Montreal, Canada. *Aug 2004.*
15. Certificate of Merit for Teacher Participation. The DuPont Challenge: Science Essay Awards Program. *Apr 2005.*
16. Certificate of Participation. The Ontario Society for Environmental Education. *May 2005.*
17. Certificate of Achievement. G.L. Roberts C.V.I., Oshawa, Canada. *Jun 2005.*

Previous Positions

Feb 1993	Trainee in Clinical Biochemistry, The Queen Elizabeth Hospital, and The University of Toronto Externship Program
May-Dec 1994	Research Assistant, Clinical Research, The Toronto Western Hospital
May-Aug 1994	Internal Auditor, Pension Data Integrity, Ontario Teachers' Pension Plan Board
Jan 1995-Jul 1998	Research Associate, Pathology & Laboratory Medicine, Mount Sinai Hospital
May-Aug 1999	Research Associate, Neurobiology, The Hospital for Sick Children
Sept 1999-Jun 2002	Teacher, Modern Greek Language Program, Applewood Heights S.S., Peel District School Board
Sept 1999-Jun 2002	Instructor of Byzantine History and Geography of Greece, Applewood Heights S.S., Socrates Hellenic School

Experience in Education

- May-Aug 1996 & 1997 **Coordinator**, Mount Sinai Hospital Summer Studentship Program in Pathology, Samuel Lunenfeld Research Institute
- instructed undergraduate students how to design experimental protocols
 - taught basic principles of biotechnology and its relevance to medicine
 - motivated students to conduct clinical research tasks collaboratively, and individually
 - assessed the students' written, presentation, and technical skills, and evaluated their use of technology in data analysis, and expression
- Sept-Dec 1997 **Supervisor and Mentor**, Aventis Biotechnology Challenge, Toronto District School Board and Mount Sinai Hospital
- mentored four grade 12 students in organizing, planning, and executing their biotechnology proposal
 - taught some theoretical, and practical principles of biochemistry
- Feb-Jun 1998 **Training Station Supervisor**, CO-OP education program, St. Thomas Aquinas Secondary School, Dufferin-Peel Roman Catholic Separate School Board
- designed and delivered an individual learning program focused at introducing basic biological principles by experimental approaches
 - implemented hands-on, question-based learning, and assessment
 - taught the appropriate use of computer for data management, and result interpretation
- Nov 1998 **Student Teacher**, Humberside C.I., Toronto District School Board
- taught grade 11, and OAC chemistry courses
- Nov 1998 **Student Teacher**, Eastern Commerce H.S., Toronto District School Board
- taught OAC algebra & geometry, grade 9 and 11 math courses
- Sept 2000-Jun 2001 **Teacher**, E.A. Lovell Continuing Education Centre, Durham District School Board
- taught multilevel modern Greek language credit course
 - taught OAC algebra & geometry course
- Sept 1999-Jun 2002 **Teacher**, Department of International Languages, Applewood Heights S.S., Peel District School Board, and Socrates Hellenic School
- taught grade 8 modern Greek language course
 - coordinated, and submitted all instructional thematic units from K to 8 to Peel District School Board administration for approval, and implementation
 - coordinated program for the school's Christmas, and Easter events
 - taught Byzantine history, and geography courses in Greek
- May 1999-Jun 2003 **Private Tutor** to a student from DeLa Salle "Oaklands" College
- one-to-one instruction in senior sciences, and mathematics
- Sept 1999-Jun 2005 **Teacher**, Departments of Science and Mathematics, G.L. Roberts C.V.I., Durham District School Board
- developed, and taught all grade 9 and 10 academic, & applied level science courses
 - developed, and taught grade 11 and 12 university and college level biology courses
 - co-developed, and taught grade 10 applied level math course
 - developed, and taught the grade 12 university data management course
 - co-developed two ministry-approved locally-developed courses (SWM381, SIE481)

- Mar 2002-Jun 2005 **Interim/Acting Head**, Department of Science, G.L. Roberts C.V.I., Durham District School Board
- contributed, and maintained the school's environmental program
 - assisted in the hiring of four science teachers
 - assisted in the formation of two science extra-curricular clubs (the Horticulture Club, and The BioTrek Society)
- Jul 2005 **Teacher**, E.A. Lovell Continuing Education Centre, J. Clarke Richardson C.I., Durham District School Board
- taught remedial grade 10 applied math course

Professional Activities in Education

- Oct 1986-Jun 1987 **Participant** in doctoral project directed by Dr. Penny McCahill, Department of Curriculum, Teaching, and Learning, OISE/UT
- introduced to computer-assisted learning of the English language
 - granted consent to the Ministry of Education to use results for teacher training purposes, and implementation
- Sept 1992-Dec 1992 **Tutor**, Biology & Mathematics, Tutoring Aid Center, Harbord C.I.
 Sept 1998-Dec 1998 **Participant**, Department of Curriculum, Teaching, and Learning, OISE/UT (directed by Dr. Erminia Pedretti)
- evaluated computer simulation software to investigate, and teach evolutionary concepts for senior high school biology students
- Sept 1998-May 1998 **Participant**, Department of Human Development & Applied Psychology, OISE/UT (directed by Dr. Bruce Homer)
- participated in a project to study the learning effectiveness of intranet based courses
- Jun 1999-Jun 2005 **Member**, Commencement Committee, G.L. Roberts C.V.I.
- assisting with the school's commencement protocols
- Sept 2000-Jun 2005 **Sub-Committee Chair**, Literacy Statistical Analysis Committee, Literacy Committee, G.L. Roberts C.V.I.
- conducted statistical analysis of variables that monitor student strengths, weaknesses, and success rates with reference to the provincial literacy test
 - documented, presented, and interpreted data about the school's literacy status
- Sept 2001-Jun 2005 **Chair**, Professional Development Committee, G.L. Roberts C.V.I.
- assisted in approving funding, and promoting professional development opportunities for teachers
- Sept 2001-Jun 2005 **School Representative**, Professional Development Committee, District 13, Ontario Secondary School Teachers' Federation
- assisted in approving funding for teachers attending conferences
- Feb 2002-Jun 2004 **Representative and Founding Member**, Ontario Science and Technology Outreach Network (OSTON)
- promoted science, and technology awareness at the provincial level
- May 2002-Jun 2005 **Member**, Awards Committee, G.L. Roberts C.V.I.
- assisted in recommending awards, and scholarships to students
- Jun 2004-Jun 2005 **Member**, Integrated Leadership Committee, G.L. Roberts C.V.I.
- assisted with the co-ordination of leadership activities for students

- Jan 2002- **Director and Founder, The BioTrek Society.**
- training students with practical and theoretical aspects of biotechnology
 - supervising, and mentoring students for various competitions
 - assisting students with executing their own experiments, and publishing
- Jun 2002- **Member, Program Advisory Committee, Durham College**
- reporting to the Board of Governors
 - assisting with the development, and modification of the Biotechnology program
 - drafting proposals, and business plans for an Outreach Biotechnology program
- Aug 2003- **Honorary Member, Canadian Space Education Program, Canadian Space Agency**
- promoting Canadian space education at the district school level
- Feb 2005- **Representative, Professional Development Planning Committee, Durham District School Board & OSSTF District 13**
- assisting with the planning, and organization of PD activities at the district level

Experience in Management

Direction, mentorship, and support of approximately 8 science teachers, two student teachers, one volunteer, and three CO-OP students from May 2002 to June 2005. Currently, I am directing the department of science at Dunbarton High School (~15 teachers).

Participation in Professional Development Activities

1. WHMIS training. Mount Sinai Hospital, Toronto, Canada. *March 1996.*
2. High Liquid Performance Chromatography (HPLC). Chemical Analysis Education Centre, Hewlett Packard, Mississauga, Canada. *Feb 1997.*
3. Protein purification biotechniques. Pharmacia and University of Toronto, Toronto, Canada. *May 1998.*
4. Pasco Probeware workshop for biology, chemistry, and physics. OISE/UT, Toronto, Canada. *Nov 1998.*
5. Radiation safety. The Hospital for Sick Children, Toronto, Canada. *May 1999.*
6. WHMIS training. DDSB Education Centre, Whitby, Canada. *Nov 1999.*
7. Calculus lessons for the TI graphic calculator. TDSB and DDSB, Port Perry, Canada. *Apr 2000.*
8. Assessment, cooperative learning, and literacy. DDSB Education Centre, Whitby, Canada. *Apr 2000.*
9. Classrooms that work. Ontario Parenting Education Centre, Toronto, Canada. *Apr 2000.*
10. Bioinformatics and molecular evolution. Virginia Tech, Blacksburg, USA. *Jun 2000.*
11. Sexual reproduction under the microscope. Canadian Cell Culture, Whitby, Canada. *Oct 2000.*
12. Assessment and evaluation for international languages. DDSB Education Centre, Whitby, Canada. *Oct 2000.*
13. IBM Learning Village. DDSB Education Centre, Whitby, Canada. *Feb 2001.*
14. Curriculum planning, assessment, and evaluation for international languages. PDSB, Mississauga, Canada. *Feb 2001.*
15. Secondary curriculum science summer institute. Ontario Teachers' Federation, Toronto, Canada. *Aug 2001.*
16. Shoestring biotechnology. National Association of Biology Teachers, Montreal, Canada. *Nov 2001.*
17. Building champions for OYAP in your school. Ontario Youth Apprenticeship Program, Oshawa, Canada. *Nov 2001.*
18. Webpage creation. DDSB Education Centre, Whitby, Canada. *May 2002.*
19. To College and beyond. Durham College, Oshawa, Canada. *May 2002.*

20. ScienceWorks workshop for grade 10 weather unit. STAO, Toronto, Canada. *Nov 2002.*
21. Human Biology and Evolution anthropology course (ANT203Y1). University of Toronto, Toronto, Canada. *May-Aug 2002.*
22. National Biotechnology Teacher's Program. The Biotechnology Institute, Toronto, Canada. *Jun 2002.*
23. Human Biology Aspects zoology course (ZOO200Y1). University of Toronto, Toronto, Canada. *Sept 2003-Apr 2004.*
24. Teaching literacy in your science classroom. DDSB Education Centre, Whitby, Canada. *Mar 2004.*
25. Vernier Software and Technology workshop. TDSB, Toronto, Canada. *May 2004.*
26. Honour Specialist Biology Additional Qualification course. OISE/UT, Toronto, Canada. *Jul 2004.*
27. Larry Lezotte Institute on Effective Schools Research. DDSB, Ajax, Canada. *Aug 2004.*
28. Starry Night software workshop. DDSB Education Centre, Whitby, Canada. *Oct 2004.*
29. Introduction to Macromedia Flash. DDSB Education Centre, Whitby, Canada. *Nov 2004.*
30. Digital Video workshop. DDSB Education Centre, Whitby, Canada. *Nov 2004.*
31. Digital Photography and Imaging. DDSB Education Centre, Whitby, Canada. *Nov 2004.*
32. Advanced Website Creation. DDSB Education Centre, Whitby, Canada. *Jan 2005.*
33. Adobe Premiere Elements workshop. DDSB Education Centre, Whitby, Canada. *Jun 2005.*

Roundtables

1. Focus group participant for the SciencePower 10 textbook. McGraw-Hill Ryerson, Whitby, Canada. *May 2000.*
2. Focus group participant for the Nelson Biology 11 University-destined textbook. Nelson Thompson Learning, Whitby, Canada. *May 2001.*
3. Creating a biotechnology program at the high school level. Virginia Tech, Blacksburg, USA. *Jul 2003.*

Organization and Presentation of Workshops

1. Math and Science Activities using the TI-83 Graphic Calculators and Motion Detectors. *Sponsor:* Math Department, G.L. Roberts C.V.I. *Location:* Oshawa, Canada. *Jun 27, 2000.*
2. A New Era: Integrating "Bio-Technology" Activities for the Enrichment of Inquiry-Based Learning. *Sponsor:* DDSB PD Workshop Fund. *Location:* Oshawa, Canada. *Jun 05, 2002.*
3. Immunodiffusion Assay Simulation and DNA Extraction. *Sponsor:* DDSB PD Workshop Fund. *Location:* Oshawa, Canada. *Nov 15, 2002.*
4. Antibodies and Immunoassays: A Success Story in Biotechnology. *Sponsor:* STAO 2003 and G.L. Roberts C.V.I. Science Department. *Location:* Toronto, Canada. *Nov 29, 2003.*
5. Protein Electrophoresis. *Sponsor:* DDSB PD Workshop Fund. *Location:* Oshawa, Canada. *Feb 20, 2004.*
6. Antibodies and Immunoassays: A Success Story in Biotechnology. *Sponsor:* STAO 2004 and G.L. Roberts C.V.I. Science Department. *Location:* Toronto, Canada. *Nov 13, 2004.*
7. Demonstrating Enzyme Action Using Protein Electrophoresis (SDS-PAGE). *Sponsor:* STAO 2004 and Dunbarton H.S. Science Department. *Location:* Toronto, Canada. *Nov 12, 2005.*
8. Bacterial Transformation and Protein Electrophoresis. *Sponsor:* DDSB and OSSTF District 13 PD Workshop Fund. *Location:* Pickering, Canada. *Feb 17, 2006.*

Slide Presentations in Education at Local Events

1. Measuring Phosphate Levels in Water and Eutrophication: A monitoring Project. Annual Orientation for the Grade 8 students. G.L. Roberts C.V.I., Oshawa. *April 2001.*
2. Pre-Literacy Test Student Assessment (PLTSA) Results and the Literacy Status in our School. Staff Meeting. G.L. Roberts C.V.I., Oshawa. *Nov 2001.*
3. Ontario Secondary School Literacy Test (OSSLT) Results and the Literacy Status in our School: Narrowing the Gap. Staff Meeting. G.L. Roberts C.V.I., Oshawa. *Nov 2002.*
4. Improving Literacy Across the Curriculum. Annual Meeting of The G.L. Roberts C.V.I. Family of Schools. G.L. Roberts C.V.I., Oshawa. *Nov 2002.*
5. Promoting Astronomy using resources from the Canadian Space Agency. DDSB Science Heads Meeting. DDSB Education Centre, Whitby. *Oct 2004.*
6. NeoScience Biotechnology Kit. DDSB Science Heads Meeting. DDSB Education Centre, Whitby. *Dec 2004.*
7. Carolina Biotech Kit. DDSB Science Heads Meeting. DDSB Education Centre, Whitby. *Mar 2005.*

Educational Research Grants

1. **Melegos D.N.** Outreach Biotechnology Workshop Proposal for High School Biology Teachers. *Accepted: Mar 15, 2002. Sponsors: Monsanto Fund, and The Biotechnology Institute.*
2. Littlefield A., **Melegos D.N.**, Laginski AM. Closing the Gaps: A Three Year Literacy Study for Students at High-Risk. *Filled: May 31, 2002. Sponsors: Ontario Principals' Council.*

Educational Conferences Attended

1. Pine Ridge Mathematics Association Conference. *Apr 12, 2000.* Port Perry H.S. Port Perry, Ontario, Canada.
2. Biotechnology 2001 Conference. *Jun 22-24, 2000.* Virginia Tech University. Blacksburg, Virginia, USA.
3. 63rd Annual Convention of the National Association of Biology Teachers. *Nov 7-10, 2001.* Montreal, Quebec, Canada.
4. Biotechnology Institute National Teachers' Program. *Jun 8-11, 2002.* University of Toronto. Toronto, Ontario, Canada.
5. Biotechnology Industry Organization (BIO) 2002 Annual Convention. *Jun 10-12, 2002.* Toronto, Ontario, Canada.
6. Science Teachers' Association of Ontario (STAO) 2002 Annual Conference: Targeting Success. *Nov 7-9, 2002.* Toronto, Ontario, Canada.
7. Biotechnology 2003 Conference. *Jul 16-19, 2003.* Virginia Tech University. Blacksburg, Virginia, USA.
8. 2nd Annual Space Educators Conference. *Aug 13-15, 2003.* Canadian Space Agency. Montreal, Quebec, Canada.

9. Science Teachers' Association of Ontario (STAO) 2003 Annual Conference: Dreams are made for Pursuit. *Nov 27-29, 2003*. Toronto, Ontario, Canada.
10. 3rd Annual Space Educators Conference. *Aug 10-12, 2004*. Canadian Space Agency. Montreal, Quebec, Canada.
11. National Educational Services (NES) 2004 Solutions: Larry Lazotte Institute. *Aug 16-18, 2004*. Ajax, Ontario, Canada.
12. Science Teachers' Association of Ontario (STAO) 2004 Annual Conference: Managing Change for Successful Learning. *Nov 11-13, 2004*. Toronto, Ontario, Canada.
13. The Ontario Society for Environmental Education (OSEE) 2005 Annual Conference: Journeys into Tomorrow. *Apr 1-May 1, 2005*. Toronto, Ontario, Canada.
14. Science Teachers' Association of Ontario (STAO) 2005 Annual Conference: Inspiring the Future through Discovery. *Nov 10-12, 2005*. Toronto, Ontario, Canada.

Scientific Conferences

Invited Lectures

1. Prostate specific antigen in amniotic fluid and maternal serum. Possible associations with fetal abnormalities. Clinical Ligand Assay Society, 1st International and 21st National Conference. *May 24-27, 1995*. Toronto, Ontario, Canada.

Oral Presentations (delivered)

1. Annual Spring Meeting of The New York Upstate Section of American Association for Clinical Chemistry. *May 11-12, 1995*. Syracuse, New York, USA.
2. Annual Spring Meeting of The New York Upstate Section of American Association for Clinical Chemistry. *May 8-9, 1997*. Amherst, New York, USA.
3. 89th Annual Meeting of The American Association for Cancer Research. *Mar 28-Apr 1, 1998*. New Orleans, Louisiana, USA.
4. Annual Spring Meeting of The New York Upstate Section of American Association for Clinical Chemistry. *May 5-6, 1998*. Hamilton, Ontario, Canada.

Poster Presentations (* presented by a collaborator)

1. 39th Annual Conference of The Canadian Society of Clinical Chemists & Canadian Association of Medical Biochemists. *April 23-27, 1995*. Whistler, British Columbia, Canada.*
2. 1st International & 21st National Conference of The Clinical Ligand Assay Society. *May 24-27, 1995*. Toronto, Ontario, Canada.
3. 77th Annual Meeting of The Endocrine Society. *June 14-17, 1995*. Washington D.C., USA.*
4. 47th National Meeting of The American Association for Clinical Chemistry. *July 16-20, 1995*. Anaheim, California, USA.
5. 48th Annual Joint Meeting of The American Association for Clinical Chemistry, and the Canadian Society of Clinical Chemists. *July 28-Aug 01, 1996*. Chicago, Illinois, USA.
6. 19th Annual San Antonio Breast Cancer Symposium. *Dec 11-14, 1996*. San Antonio, Texas, USA.*
7. 88th Annual Meeting of The American Association for Cancer Research. *April 12-16, 1997*. San Diego, California, USA.*

8. 45th Annual Meeting of the Pacific Coast Fertility Society. *April 12, 1997*. California, USA.*
9. 1st Annual Symposium on Advances in Laboratory Medicine of the Departments, of Paediatric Laboratory Medicine-Hospital for Sick Children, and Laboratory Medicine and Pathobiology-University of Toronto. *June 13, 1997*. Toronto, Ontario, Canada.
10. 49th American Association for Clinical Chemistry Annual Meeting and Clinical Laboratory Exposition. *July 20-24, 1997*. Atlanta, Georgia, USA.
11. 50th American Association for Clinical Chemistry Annual Meeting and Clinical Laboratory Exposition. *Aug 2-6, 1998*. Chicago, Illinois, USA.*

Others Attended

1. 86th Annual Meeting of The American Association for Cancer Research. *March 18-22, 1995*. Toronto, Ontario, Canada.
2. PSA Minisymposium; Prostate Specific Antigen and Prostate Cancer: Current Status and Future Directions. *November 2, 1995*. Toronto, Ontario, Canada.
3. International Symposium on Cell Signaling. *June 13-4, 1996*. Toronto, Ontario, Canada.
4. AMGEN Institute Summer Symposium “Determination to Death”. *July 22, 1996*. Toronto, Ontario, Canada.

Journal Referee

Clinical Chemistry (1998)

List of Publications in Education

Course Outline

1. Conti C., Schultz J., Craig B., Ramroop K., Maliha J., **Melegos D.N.**, and Littlefield A. Industry and the Environment (SIE 481) Locally Developed Course Outline. *Approved: Dec 21, 2001* by the Ontario Ministry of Education.

Book Chapters and Sections

1. **D.N. Melegos**, and C. Brittain. General Features of Stratospheric Ozone Depletion. In: “Industry and the Environment (SIE 481) Reference Material”. Craig B., Editor, pp. 55-58 (*Apr 2004*).
2. **D.N. Melegos**. Career Options. In: “Industry and the Environment (SIE 481) Reference Material”. Craig B., Editor, pp. 126-129 (*Apr 2004*).
3. **D.N. Melegos**. Public Education for a Sustainable Future. In: “Industry and the Environment (SIE 481) Reference Material”. Craig B., Editor, pp. 130-134 (*Apr 2004*).

Workbook

1. Oshawa Area Teachers. Preparing for the Grade 10 Test of Reading and Writing: A Student Workbook of Graphic Organizers and Writing Forms. DDSB Publication (*May 2000*).

Curriculum Resources

1. Atputharajah A., Mohammed M., and **Melegos D.N.** Chemical Reactions and their Practical Applications: Mini Unit Plan for the Grade 10 Science Applied.
[HTTP://www.oise.utoronto.ca/~science/mups/910app_chemical/](http://www.oise.utoronto.ca/~science/mups/910app_chemical/) (Jun 1999).

Original Research Manuscripts

1. **Melegos D.N.** Simulating Antibody Antigen Interaction using a 2-Dimensional Gel Immunodiffusion Assay. [In Preparation, 2006].
2. **Melegos D.N.** Teaching Enzyme Activity to High School Students Utilizing SDS-Polyacrylamide Gel Electrophoresis. [In Preparation, 2006].
3. **Melegos D.N.** DNA Isolation...What's Next? [In Preparation, 2006].

List of Scientific Publications

Editorials

1. Diamandis E.P., Yu H., and **Melegos D.N.** Ultrasensitive prostate specific antigen assays and their clinical application. *Clin Chem* 42(6):853-7 (1996).

Letters to the Editor

1. **Melegos D.N.**, Freedman M.S., and Diamandis E.P. Prostate-specific antigen in cerebrospinal fluid. *Clin Chem* 43(5):855 (1997).
2. **Melegos D.N.**, and Diamandis E.P. Is Prostate-specific antigen present in female serum ? *Clin Chem* 44(3):691-2 (1998).

Original Research Manuscripts

1. **Melegos D.N.**, Yu H., Allen L.C., and Diamandis E.P. Prostate specific antigen in amniotic fluid of normal and abnormal pregnancies. *Clin Biochem* 29(6):555-62 (1996).
2. **Melegos D.N.**, Yu H., and Diamandis E.P. Prostaglandin D₂ synthase: A component of human amniotic fluid and its association with fetal abnormalities. *Clin Chem* 42(7):1042-50 (1996).
3. **Melegos D.N.**, and Diamandis E.P. Diagnostic value of molecular forms of prostate specific antigen for female breast cancer. *Clin Biochem* 29(3):193-200 (1996).
4. **Melegos D.N.**, Diamandis E.P., Oda H., Urade Y., and Hayaishi O. Immunofluorometric assay of Prostaglandin D synthase in human tissue extracts and fluids. *Clin Chem* 42(12):1984-91 (1996).
5. **Melegos D.N.**, Yu H., Ashok M., Wang C., Stanczyk F., and Diamandis E.P. Prostate specific antigen in female serum, a potential new marker of androgen excess. *J Clin Endocrinol Metab* 82(3):777-80 (1997).
6. Diamandis E.P., Nadkarni S., Bhaumik B., Abdelrahman A., **Melegos D.N.**, Borchert G., Black M.H., Alonso M., Salas A., de los Toyos J.R., Sampedro A., and Lopez-Otin C. Immunofluorometric assay of Pepsinogen C and preliminary clinical applications. *Clin Chem* 43(8):1365-71 (1997).
7. Lianidou E.S., **Melegos D.N.**, and Diamandis E.P. The BRCA 1 tumor suppressor gene product shares immunoreactive epitopes with a protein present in seminal plasma. *Clin Biochem* 30(5):425-32 (1997).

8. **Melegos D.N.**, Freedman M.S., and Diamandis E.P. Prostaglandin D synthase concentration in cerebrospinal fluid and serum of patients with neurological disorders. *Prostaglandins* 54 (1): 463-74 (1997).
9. Borchert G.H., **Melegos D.N.**, Tomlinson G., Giai M., Roagna R., Ponzzone R., Sgro L., and Diamandis E.P. Molecular forms of prostate-specific antigen in the serum of women with benign and malignant breast diseases. *Br J Cancer* 76(8): 1087-94 (1997).
10. Lambert-Messerlian G.M., Canick J.A., **Melegos D.N.**, and Diamandis E.P. Increased concentrations of prostate-specific antigen in maternal serum from pregnancies affected by fetal Down syndrome. *Clin Chem* 44(2):205-8 (1998).
11. Kogan I., Ballinger J.R., Redshaw R., Diamandis E.P., **Melegos D.N.**, Kuba R.M., and Rauth A.M. Prostate-specific antigen induction by a steroid hormone in T47D cells growing in SCID mice. *Breast Cancer Res Treat* 48(1):73-80 (1998).
12. Katsaros D., **Melegos D.N.**, and Diamandis E.P. Prostate specific antigen production by breast tumors after induction with oral contraceptives. *Clin Biochem* 31(2):285-8 (1998).
13. Diamandis E.P., Arnett W.P., Foussias G., Pappas H., Ghandi S., **Melegos D.N.**, Mullen B., Yu H., Srigley J., and Jarvi K. Seminal plasma biochemical markers and their association with semen analysis findings. *Urology* 53(3):596-603 (1999).
14. Diamandis E.P., Helle S.I., Yu H., **Melegos D.N.**, Lundgren S., and Lonning P.E. Prognostic value of plasma Prostate specific antigen after megestrol acetate treatment in patients with metastatic breast carcinoma. *Cancer* 85(4):891-8 (1999).
15. **Melegos D.N.**, Grass L., Pierratos A., and Diamandis E.P. Highly elevated levels of Prostaglandin D synthase in the serum of patients with renal failure. *Urology* 53(1):32-7 (1999).
16. Borchert G.H., **Melegos D.N.**, Yu H., Giai M., Roagna R., Ponzzone R., Sgro L., and Diamandis E.P. Quantification of Pepsinogen C and Prostaglandin D synthase in breast cyst fluid and their potential utility for cyst type classification. *Clin Biochem* 32(1):39-44 (1999).
17. Angelopoulou K., Borchert G., **Melegos D.N.**, Lianidou E., Lilja H., and Diamandis E.P. Characterization of the BRCA1-like immunoreactivity of human seminal plasma. *Urology* 54:753-762 (1999).
18. Black MH., Maglara A., Obiezu C., **Melegos D.N.**, and Diamandis EP. Development of an ultrasensitive immunoassay for human glandular kallikrein (hkz) with no cross reactivity from prostate specific antigen (PSA). *Clin Chem* 45:790-9 (1999).
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