

PERSONAL INFORMATION



FULL NAME: DIMITRIOU TILEMACHOS
ADDRESS: VIOPOLIS, LARISSA, 41500
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DATE OF BIRTH: JUNE 10th, 1988
NATIONALITY: HELLENIC

ACADEMIC QUALIFICATIONS

- 3/2012 – 7/2017 **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology**
PhD
Grade: Excellent
Title of Dissertation: Study of the “in vitro” production mechanism of Polioviruses and HEV-C Enteroviruses recombinant strains.
Supervising Professor: P. Markoulatos
- 9/2011 – 7/2013 **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology, Postgraduate studies program: «Molecular Biology and Genetics Applications - Diagnostic Markers»**
Grade: 9.73/10 (Excellent)
Title of Dissertation: Development of a multiplex RT-PCR method for the identification of recombination at genomic regions of vaccine-derived polioviruses.
Supervising Professor: P. Markoulatos
- 2006 – 2011 **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology**
Bachelor’s degree
Grade: 7.22/10 (Very Good)
Title of Dissertation: Localization of genetic recombinations from VP1 genomic region to the end of the genome of vaccine-derived polioviruses
Supervising Professor: P. Markoulatos

RESEARCH – LABORATORY EXPERIENCE

- 10/2017 – 5/2018 **404 General Military Hospital of Larissa**
Biochemical and Microbiological Laboratory Assistant during the military service period.
- 9/2013 – 7/2017 **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology**
Molecular Virology Research Laboratory
Auxiliary supervision of undergraduate and graduate theses conducted in Microbiology-Virology Research Laboratory
- 7/2008 – 8/2008 **Theageneio, Anticancer Hospital of Thessaloniki, Greece**
Lab of Clinical Biochemistry
Conducted the vocational training
Supervising Doctor: M. Apostolaki-Christopoulou

TEACHING – PROFESSIONAL EXPERIENCE

- 10/2018 – 6/2019 **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology**
Program of Acquisition of Academic Teaching Experience in Young Scientists 2018 – 2019.
Teaching of *Applied Microbiology, Molecular Diagnostics and Molecular Virology* courses
- 2/2018 – 6/2018 **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology**
Program of Acquisition of Academic Teaching Experience in Young Scientists 2017 – 2018.
Teaching of *Molecular Virology* course
- 11/2017 – 2/2018 **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology**
Program of Acquisition of Academic Teaching Experience in Young Scientists 2017 – 2018.
Teaching of *Applied Microbiology* course
- 1/2017 – 3/2017
&
1/2016 – 2/2016 **University of Thessaly, Postgraduate Studies Program: “Toxicology”**
Organization, Teaching and Execution of Laboratory exercises of “Molecular Toxicology (Viruses, Microbes, Bioinformation)” course
- 2013 – 2018 **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology.** Organization and execution assistant in Laboratory Techniques of *Microbiology – Virology* Course

UNDERGRADUATE STUDENTS’ THESES

1. Alexiou Stamatia: Real Time PCR and correlation between viral load and grade of lesion caused by HPV 16 and HPV 18 (**Supervisor**)
2. Alexopoulou Dimitra: Colorimetric LAMP for the detection of enteroviruses of B and C species (**Supervisor**)
3. Pata Maria: Thermal inactivation of Sabin 1 and Echo 12 viruses and effects of thermal inactivation to the viral genome. (**Supervisor**)
4. Perkas Nikos: Study of the antiviral properties of Greek honeys against Coxsackie virus

FOREIGN LANGUAGES

English: Certificate of Proficiency in English (CPE), University of Cambridge (2009)

French: Diplôme d'études en langue française (DEL F1 - B1 degré), Institut Français de Grèce (2003)

COMPUTER SKILLS

- Bio-informatics: Blast, Mega, Seaview, SPSS, Gene Runner, ClustalW, Primer3
- ECDL (Syllabus ver. 4.0): Word Processing, Spreadsheets, Presentations, Information and Communication

SCHOLARSHIPS

- **University of Thessaly, School of Health Sciences, Department of Biochemistry & Biotechnology, Postgraduate studies program: «Molecular Biology and Genetics Applications - Diagnostic Markers»:**
Scholarship for the second and third semester of Master's Program due to excellent grades during the first and second semester respectively (3/2012 και 9/2012)
- **State Scholarship Foundation (IKY):** Scholarship for the Master's Program (2011 - 2013)

PARTICIPATION IN SCIENTIFIC SOCIETIES

- Member of the Hellenic Society of Virology

PUBLICATIONS

Articles in peer reviewed journals	22
Impact factor summary	41,814
Conference participations	19
Citations	113

Scholar, September 2019

1. Daskou M, Tsakogiannis D, **Dimitriou TG**, Amoutzias GD, Mossialos D, Kottaridi C, Gartzonika C, Markoulatos P.
WarmStart colorimetric LAMP for the specific and rapid detection of HPV16 and HPV18 DNA
J Virol Methods. 2019 Aug;270:87-94. doi: 10.1016/j.jviromet.2019.04.023. *IF:1.656*
2. Daskou M, Tsakogiannis D, **Dimitriou TG**, Manali M, Aпти C, Amoutzias GD, Mossialos D, Kottaridi C, Markoulatos P.
A 2-stage, nested-like nucleic acid amplification method (IsoPCR) for the highly sensitive detection of HPV16 and HPV18 DNA
Mol Cell Probes. 2019 Jun;45:1-7. doi: 10.1016/j.mcp.2019.03.003. *IF:1.689*
3. Tsakogiannis D, Moschonas GD, Daskou M, Stylianidou Z, Kyriakopoulou Z, Kottaridi C, **Dimitriou TG**, Gartzonika C, Markoulatos P.
Polymorphic variability in the exon 19 of the RB1 gene and its flanking intronic sequences in HPV16-associated precancerous lesions in the Greek population
J Med Microbiol. 2018 67: 1638-1644. doi: 10.1099/jmm.0.000843 *IF:2.112*
4. Tsakogiannis D, Moschonas GD, Bella E, Kyriakopoulou Z, Amoutzias GD, **Dimitriou TG**, Kottaridi C, Markoulatos P.
Association of p16 (CDKN2A) polymorphisms with the development of HPV16-related precancerous lesions and cervical cancer in the Greek population
J Med Virol. 2018 May;90(5):965-971. doi: 10.1002/jmv.24996 *IF:1.988*
5. Kyriakopoulou Z, Amoutzias GD, **Dimitriou TG**, Tsakogiannis D, Mossialos D, Markoulatos P.
Intra- and inter-serotypic recombinations in the 5' UTR-VP4 region of Echovirus 30 strains.
Arch Virol. 2018 Feb;163(2):365-375. doi: 10.1007/s00705-017-3600-1 *IF:2.160*
6. Moschonas GD, Tsakogiannis D, Lamprou KA, Mastora E, **Dimitriou TG**, Kyriakopoulou Z, Kottaridi C, Karakitsos P, Markoulatos P.
Association of codon 72 polymorphism of p53 with the severity of cervical dysplasia, E6-T350G and HPV16 variant lineages in HPV16-infected women.
J Med Microbiol. 2017, 66(9): 1358-1365. 10.1002/jmv.24996 *IF:2.112*

7. Fikatas A, **Dimitriou TG**, Kyriakopoulou Z, Moschonas G, Amoutzias GD, Mossialos D, Gartzonika C, Levidiotou-Stefanou S, Markoulatos P.
Detection of negative and positive RNA strand of poliovirus Sabin 1 and echovirus E19 by a stem-loop reverse transcription PCR.
Lett Appl Microbiol. 2017 Sep;65(3):234-240. doi: 10.1111/lam.12766 IF:1.471
8. Fikatas A, **Dimitriou TG**, Kyriakopoulou Z, Tsachouridou O, Gartzonika C, Levidiotou-Stefanou S, Amoutzias GD, Markoulatos P.
Serum Neutralization Assay for the Determination of Antibody Levels Against Non-Polio Enterovirus Strains in Central and Western Greece.
Viral Immunol. 2016 Sep;29(7):444-50. doi: 10.1089/vim.2016.0049. IF:1.531
9. **Dimitriou TG**, Kyriakopoulou Z, Tsakogiannis D, Fikatas A, Gartzonika C, Levidiotou-Stefanou S, Markoulatos P.
Development of a multiplex RT-PCR assay for the identification of recombination types at different genomic regions of vaccine-derived polioviruses.
Virus Genes. 2016 Aug;52(4):453-62. doi: 10.1007/s11262-016-1333-y. IF:1.542
10. Tsakogiannis D, Bletsas M, Kyriakopoulou Z, **Dimitriou TG**, Kotsovassilis C, Panotopoulou E, Markoulatos P.
Identification of rearranged sequences of HPV16 DNA in precancerous and cervical cancer cases.
Mol Cell Probes. 2016 Feb;30(1):6-12. doi: 10.1016/j.mcp.2015.11.004. IF:1.689
11. Tsakogiannis D, Gortsilas P, Kyriakopoulou Z, Ruether IG, **Dimitriou TG**, Orfanoudakis G, Markoulatos P.
Sites of disruption within E1 and E2 genes of HPV16 and association with cervical dysplasia.
J Med Virol. 2015 Nov;87(11):1973-80. doi: 10.1002/jmv.24256. IF:1.988
12. Kyriakopoulou Z, Bletsas M, Tsakogiannis D, **Dimitriou TG**, Amoutzias GD, Gartzonika C, Levidiotou-Stefanou S, Markoulatos P.
Molecular epidemiology and evolutionary dynamics of Echovirus 3 serotype.
Infect Genet Evol. 2015 Jun;32:305-12. doi: 10.1016/j.meegid.2015.03.008. IF:2.737
13. Tsakogiannis D, Diamantidou V, Toska E, Kyriakopoulou Z, **Dimitriou TG**, Ruether IG, Gortsilas P, Markoulatos P.
Multiplex PCR assay for the rapid identification of human papillomavirus genotypes 16, 18, 45, 35, 66, 33, 51, 58, and 31 in clinical samples.
Arch Virol. 2015 ;160(1):207-14. doi:10.1007/s00705-014-2261-6. IF:2.160
14. Tsakogiannis D, Papacharalampous M, Toska E, Kyriakopoulou Z, **Dimitriou TG**, Ruether IG, Komiotis D, Markoulatos P.
Duplex Real-time PCR assay and SYBR green I melting curve analysis for molecular identification of HPV genotypes 16, 18, 31, 35, 51 and 66.
Mol Cell Probes. 2015 ;29(1):13-8. doi:10.1016/j.mcp.2014.09.003. IF:1.527
15. Tsakogiannis D, Kyriakopoulou Z, Ruether IG, Amoutzias GD, **Dimitriou TG**, Diamantidou V, Kotsovassilis C, Markoulatos P.
Determination of human papillomavirus 16 physical status through E1/E6 and E2/E6 ratio analysis.
J Med Microbiol. 2014 ;63(Pt 12):1716-23. doi: 10.1099/jmm.0.076810-0. IF:2.112
16. Ruether IG, **Dimitriou TG**, Tsakogiannis D, Kyriakopoulou Z, Amoutzias GD, Gartzonika C, Levidiotou-Stefanou S, Markoulatos P.
Characterization of novel intergenogroup and intergenotype recombinant noroviruses from central Greece.
Mol Cell Probes. 2014 ;28(4):204-10. doi: 10.1016/j.mcp.2014.04.001. IF:1.689

17. Tsakogiannis D, Kyriakopoulou Z, Darmis F, Ruether IG, **Dimitriou TG**, Orfanoudakis G, Panotopoulou E, Markoulatos P.
Prevalence of HPV16 E1-1374^Δ63nt variants in Greek women.
J Med Virol. 2014 ;86(5):778-84. doi:10.1002/jmv.23896. *IF:1.988*
18. **Dimitriou TG**, Pliaka V, Kyriakopoulou Z, Ruether IG, Tsakogiannis D, Fountoucidou P, Gartzonika C, Levidiotou-Stefanou S, Markoulatos P.
PCR assays for the identification of rare recombination types from VP1 to 3D genomic region of vaccine derived poliovirus strains.
Mol Cell Probes. 2014 ;28(4):107-12. doi: 10.1016/j.mcp.2013.10.004. *IF:1.689*
19. Ruether IG, Tsakogiannis D, Kyriakopoulou Z, **Dimitriou TG**, Papamichail C, Gartzonika C, Levidiotou-Stefanou S, Markoulatos P.
Circulation of intergenotype recombinant noroviruses GII.9/GII.6 from 2006 to 2011 in central Greece.
Virus Genes. 2014 ;48(1):23-31. doi: 10.1007/s11262-013-0994-z. *IF:1.542*
20. Tsakogiannis D, Papadopoulou A, Kontostathi G, Ruether IG, Kyriakopoulou Z, **Dimitriou TG**, Orfanoudakis G, Markoulatos P.
Molecular and evolutionary analysis of HPV16 E6 and E7 genes in Greek women.
J Med Microbiol. 2013 ;62(Pt11):1688-96. doi: 10.1099/jmm.0.055491-0. *IF:2.112*
21. Tsakogiannis D, Darmis F, Gortsilas P, Ruether IG, Kyriakopoulou Z, **Dimitriou TG**, Amoutzias G, Markoulatos P.
Nucleotide polymorphisms of the human papillomavirus 16 E1 gene.
Arch Virol. 2014 ;159(1):51-63. doi:10.1007/s00705-013-1790-8. *IF:2.160*
22. Tsakogiannis D, Kyriakopoulou Z, Amoutzias G, Ruether IG, **Dimitriou TG**, Panotopoulou E, Markoulatos P.
Identification of novel E6-E7 sequence variants of human papillomavirus 16.
Arch Virol. 2013 ;158(4):821-8. doi:10.1007/s00705-012-1555-9. *IF:2.160*

CONFERENCE PARTICIPATIONS

1. **T. Dimitriou**, M. Daskou, D. Alexopoulou, G. Kouklamani-Giannouli, G Amoutzias, D. Mosialos, P. Markoulatos
Colorimetric Loop Mediated Isothermal Amplification (LAMP) for the detection of enteroviruses and direct result visualization (Poster)
Days of Clinical Virology, October 4-6, 2019, Athens
2. M. Daskou, **T. Dimitriou**, D. Tsakogiannis, M. Pata, D. Mosialos, G Amoutzias, C. Kottaridi, P. Markoulatos
Development of a 2-stage, nested-like colorimetric nucleic acid amplification method (Iso PCR) for the detection of HPV16 viral DNA (Oral Presentation)
Days of Clinical Virology, October 4-6, 2019, Athens
3. M. Daskou, **T. Dimitriou**, G. Kouklamani-Giannouli, D. Alexopoulou, D. Mosialos, P. Markoulatos
Development of a Stem Loop Mediated Reverse Transcription Real Time PCR for the detection of active enteroviruses in cell culture (Oral Presentation)
12th Conference of the Hellenic Society of Virology, May 16-18, 2019, Thessaloniki, Greece
4. M. Daskou, D. Tsakogiannis, **T. Dimitriou**, M. Manali, S. Alexiou, G. Amoutzias, D. Mosialos, C. Kottaridi, P. Markoulatos
Development of a 2-stage, nested-like amplification method for the highly sensitive detection of HPV16 and HPV18 (Oral Presentation)
12th Conference of the Hellenic Society of Virology, May 16-18, 2019, Thessaloniki, Greece

5. **T. Dimitriou**, M. Daskou, D. Tsakogiannis, G. Amoutzias, D. Mosialos, C. Kottaridi, C. Gartzonika, P. Markoulatos
Colorimetric Loop Mediated Isothermal Amplification (LAMP) for the detection of HPV16 and HPV18 viruses and direct result visualization (Oral Presentation)
12th Conference of the Hellenic Society of Virology, May 16-18, 2019, Thessaloniki, Greece
6. G. Kouklamani-Giannouli, M. Daskou, **T. Dimitriou**, M. Pata, G. Amoutzias, D. Mosialos, P. Markoulatos
Monitoring of inactivation efficiency of SABIN1 vaccine strain using an integrated cell culture system reverse transcription (RT)-Loop Mediated Isothermal Amplification (Oral Presentation)
12th Conference of the Hellenic Society of Virology, May 16-18, 2019, Thessaloniki, Greece
7. M. Daskou, D. Tsakogiannis, G.D. Moschonas, Z. Stylianidou, Z. Kyriakopoulou, C. Kottaridi, **T.G. Dimitriou**, C. Gartzonika and P. Markoulatos
Molecular analysis of the exon 19 of RB1 gene and its flanking intronic sequences in HPV16-associated precancerous lesions in the Greek population. (Poster)
21st ESCV Annual Meeting, 23-26 September 2018, Zappeion Megaron, Athens, Greece
8. D. Tsakogiannis, G.D. Moschonas, E. Bella, Z. Kyriakopoulou, G.D. Amoutzias, **T.G. Dimitriou**, C. Kottaridi, P. Karakitsos, P. Markoulatos
Association of p16 (CDKN2A) polymorphisms with the development of HPV16-related precancerous lesions and cervical cancer in the Greek population. (Poster)
20th European Society for Clinical Virology Annual Meeting, September 13-16, 2017, STRESA, Lake Maggiore, Italy
9. K.A. Lamprou, G.D. Moschonas, D. Tsakogiannis, **T.G. Dimitriou**, Z. Kyriakopoulou, E. Mastora, C. Kottaridi, P. Karakitsos, P. Markoulatos
Association of p53 protein codon 72 polymorphism and HPV 16 E6 T350G mutation with the severity of cervical endoepithelial lesion in Greek women infected with HPV16. (Poster)
39th Conference of Hellenic Society of Biological Sciences, May 25-27, 2017, Lamia, Greece
10. **T.G. Dimitriou**, A. Fikatas, M. Daskou, Z. Kyriakopoulou, D. Mosialos, C. Gartzonika, S. Levidiotou-Stefanou, P. Markoulatos
Development of a Stem – Loop Reverse Transcription PCR method for the detection of replicative active enteroviruses through negative RNA strand detection. (Oral Presentation)
11th Conference of the Hellenic Society of Virology, May 18-20, 2017, Thessaloniki, Greece
11. M. Daskou, **T.G. Dimitriou**, F. Tekos, Z. Kyriakopoulou, G.D. Amoutzias, D. Mosialos, P. Markoulatos
Development of a Reverse Transcription-Loop Mediated Isothermal Amplification, RT-LAMP assay for the detection of Enteroviruses C. (Oral Presentation)
11th Conference of the Hellenic Society of Virology, May 18-20, 2017, Thessaloniki, Greece
12. **T.G. Dimitriou**, F. Tekos, M. Daskou, Z. Kyriakopoulou, D. Mosialos, G.D. Amoutzias, C. Gartzonika, S. Levidiotou-Stefanou, P. Markoulatos
Study of the “in vitro” production mechanism of Sabin 1 and Coxsackie A13 recombinant strains. (Oral Presentation)
11th Conference of the Hellenic Society of Virology, May 18-20, 2017, Thessaloniki, Greece
13. K.A. Lamprou, G.D. Moschonas, D. Tsakogiannis, **T.G. Dimitriou**, Z. Kyriakopoulou, E. Mastora, C. Kottaridi, P. Karakitsos, P. Markoulatos
Association of p53 protein codon 72 polymorphism and HPV 16 E6 T350G mutation with the severity of cervical endoepithelial lesion in Greek women infected with HPV16.(Oral Presentation)
11th Conference of the Hellenic Society of Virology, May 18-20, 2017, Thessaloniki, Greece

14. E. Bella, G.D. Moschonas, D. Tsakogiannis, K.A. Lamprou, **T.G. Dimitriou**, Z. Kyriakopoulou, C. Kottaridi, P. Karakitsos, P. Markoulatos
Association of p16 polymorphisms with the development of HPV16-related precancerous lesions and cervical cancer in the Greek population. (Oral Presentation)
11th Conference of the Hellenic Society of Virology, May 18-20, 2017, Thessaloniki, Greece
15. Z. Kyriakopoulou, M. Bletsas, D. Tsakogiannis, **T.G. Dimitriou**, G.D. Amoutzias, C. Gartzonika, S. Levidiotou-Stefanou and P. Markoulatos
Molecular epidemiology and evolutionary dynamics of echovirus 3 (E3) serotype
20th International Bioinformatics Workshop on Virus Evolution and Molecular Epidemiology (VEME), 9-14 August 2015, Trinidad and Tobago
16. **Dimitriou T**, Kyriakopoulou Z, Tsakogiannis D, Moshonas G, Markoulatos P.
Development of a multiplex RT-PCR method for the identification of recombination at genomic regions of vaccine-derived polioviruses. (Oral Presentation)
10th Conference of the Hellenic Society of Virology, February 27-28, 2015, Athens, Greece
17. Tsakogiannis D, Bletsas M, Kyriakopoulou Z, **Dimitriou T**, Markoulatos P.
Detection of rearranged sequences of the HPV16 DNA in pre-cancerous and cancerous cervical lesions. (Oral Presentation)
10th Conference of the Hellenic Society of Virology, February 27-28, 2015, Athens, Greece
18. Bletsas M, Kyriakopoulou Z, Tsakogiannis D, **Dimitriou T**, Amoutzias G, Markoulatos P.
Molecular epidemiology and evolutionary analysis of echo 3 serotype of enteroviruses. (Poster)
10th Conference of the Hellenic Society of Virology, February 27-28, 2015, Athens, Greece
19. Fikatas A, **Dimitriou T**, Kyriakopoulou Z, Zisi Z, Fountoucidou P, Gartzonika C, Levidiotou-Stefanou S, Markoulatos P.
Level control of antibodies against recombinant strains of non-polio enteroviruses. (Poster)
10th Conference of the Hellenic Society of Virology, February 27-28, 2015, Athens, Greece