

## CURRICULUM VITAE

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### PERSONAL INFORMATION

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Date of birth	May 10th, 1956
Place of Birth	Island of Tinos, Greece
Marital status	Married to Spyros Kalos, one child: Zoe Kalos

### EDUCATION

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1974-1978	B.S. in Chemistry Aristotle University of Thessaloniki, Greece
1979-1981	M.S. in Biochemistry Department of Biological Chemistry-Medical School The University of Michigan, Ann Arbor, MI, USA
1981-1984	Ph.D. in Biochemistry (with Prof. D. Oxender) Department of Biological Chemistry-Medical School The University of Michigan, Ann Arbor, MI, USA Title: Cloning and characterization of the genes coding for the membrane component of the leucine transport system in E. coli
1982	Advanced Bacterial Genetics Course Cold Spring Harbor Laboratories

## ACADEMIC POSITIONS

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1984 -1988	Post Doctoral Fellow (with Prof. B. Roizman) The University of Chicago, Chicago, USA Area of Research: Molecular Virology / Regulation of HSV-1 gene expression
1989 -1990	Assistant Professor Department of Microbiology-Medical School Thomas Jefferson University, Philadelphia, USA
1991 – 1999	Principal Investigator Head of the Molecular Virology Laboratory Hellenic Pasteur Institute, Athens, Greece Area of research: HSV biology- HPV epidemiology- Vectorology- Molecular Biology of HCV
1999 – 2015	Research Director Head of the Molecular Virology Laboratory Hellenic Pasteur Institute, Athens, Greece Area of Research: HSV Vectorology- Molecular Biology of HCV- Molecular epidemiology
2012-present	Professor of Biochemistry Head, Biochemistry and Molecular Virology Laboratory Department of Molecular Biology and Genetics Democritus University of Thrace, Alexandroupolis, Greece Area of research: Molecular pathogenesis of HCV infection- Molecular epidemiology

## SCIENTIFIC ACTIVITIES

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<b>1991</b>	Establish the Molecular Virology Laboratory at the Hellenic Pasteur Institute in Athens Main research activities: HSV biology- HPV epidemiology- Vectorology- Molecular Biology of HCV
<b>1997-2015</b>	Leading role in organizing the HCV Network among Instituts Pasteur of the International Network, including IPs of the Balkan region, Asia and Central Africa. Main area of research: The effect of HCV generic variability on laboratory diagnosis and disease progression. Research activities were funded with 7 sequential grants by the Institut Pasteur International Network. Coordinator of all research grants (details below)

**2017-present** Director of the newly established Joint Master program involving the Department of Medicine and the Department of Molecular Biology & Genetics, Democritus University of Thrace on “Infectious Diseases-International Medicine: From bench to bedside” ([www.infectiousdiseasesmsc.org](http://www.infectiousdiseasesmsc.org)).

## **TEACHING ACTIVITIES**

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- Supervision of 20 PhD students (Greece and International), 8 Post-docs (Greece and International) and numerous master and bachelor students. Seven of those trainees now hold scientific positions in the Department of Microbiology at Hellenic Pasteur Institute

### Teaching

- 2012-present: Biochemistry, Undergraduate Program, Democritus University of Thrace
- 2012-present: Virology, Undergraduate Program, Democritus University of Thrace
- 2006-present: Virology, Master program on “Clinical Biochemistry-Molecular Diagnostics” Department of Biology, University of Athens
- 2017-present: Virology, Master Program on “Infectious Diseases-International Medicine: From bench to bedside”, Democritus University of Thrace
- 2000-2012: Virology, Graduate Program, Institut Pasteur Paris “Cours de Virologie Fondamentale de l’ Institut Pasteur” Lecture on the Molecular biology of HSV-1 and the development of viral vectors.

## **FELLOWSHIPS RECEIVED AT EARLY STAGES**

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- Horace Rackham Predoctoral Fellowship from the University of Michigan (1982)
- American Association of University Women (AAUW) International Fellowship (1983)
- Horace Rackham Dissertation Grant from the University of Michigan (1983)
- Leukemia Society Fund/postdoctoral fellowship (1984-1987)
- Damon Runyon-Walter Winchell Cancer/postdoc fellowship (1984-1987)
- Knight of the French National Order of “Palme Academiques” (2007)

## **MAIN RESEARCH SUPPORT**

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- ❖ NIH R29: (1990-1994) Regulation of 3’ co-terminal HSV-1 gene expression

- ❖ UNIDO: HPV and cervical cancer in Greece: Epidemiological studies, HPV typing, development of immunoreagents (1993-1995)
- ❖ FP4. Life Sciences BIOMED: Molecular approaches to analyze Hepatitis C virus replication for the development of effective therapy and vaccines (1996-1998):
- ❖ FP4: FMRX-CT-960053: European Union network for investigation of dendritic immunotherapy for induction of anti-viral and anti-tumor immunity and transplantation tolerance. (1996-2000)
- ❖ FP4: BIOTECH PL960422: European Union Network for Evaluation of Nucleic Acid-Based Vaccines for Induction of Antiviral Immunity (1996-2000)
- ❖ INCO-COPERNICUS IC15-CT98-0304: Improvement of surveillance and prevention of HCV infection (1998-2000)
- ❖ IP Paris: Institute Pasteur International Network. ACIP I: Etude Comparative d'épidémiologie moléculaire des infections par l'hépatite C en Europe et l'Iran (1997 - 1999) (Coordinator)

- ❖ IP Paris: Institute Pasteur International Network. ACIP II: Recherche des recombinants chez des virus ARN de polarité positive (enterovirus et virus de l'hépatite C) (1998 – 2000)
- ❖ Greek General Secretariat of Science and Technology, PENED 99 II: Gene cloning of regulatory proteins and biotechnological development-application of systems for the production of heterologous peptides. (11/2000 – 9/2001) Greek General Secretariat of Science and Technology, Program for a carrier opportunity in Greece for Greek-speaking researchers abroad. Research on the molecular pathogenesis and treatment of viral infections and carcinogenesis in humans. (1999 – 2001)
- ❖ Greek General Secretariat of Science and Technology, Bilateral S&T Collaboration Program Greece – Italy: Recombinant HSV expression viral vectors for the study of selected viral proteins: Vaccine development against the HCV virus. C (1999-2001)
- ❖ FP5 EUROAMP QLK2-CT-00055 European (EURO) Network for Development of Novel Safe Vaccines Based on New Generation Amplicons (AMP) and Other Defective HSV – 1 Derived Vectors as Foreign Antigen Delivery Systems (2004-2007)
- ❖ Greek General Secretariat of Science and Technology, Bilateral S&T Collaboration Program Greece – France PLATO 1: Development and use of amplicons (viral expression systems) for the expression of the structural proteins of the HCV virus. (1999-2001)
- ❖ Greek General Secretariat of Science and Technology, Bilateral S&T Collaboration Program Greece – France PLATO 2: Construction of HSV-based viral vectors (amplicon) for the development of vaccines against HCV: Development of strategy and improvement of antigen presentation to the immune system. (2002-2004)
- ❖ IP Paris: Institute Pasteur International Network ACIP III: Etude des genotypes du virus de l'hépatite C en Asie du Sud Est (Cambodge et Vietnam) et développement de méthodes diagnostiques spécifiques (2003-2005) (Coordinator)
- ❖ ΚΕΕΛΠΝΟ-HCDCP: Research on the biological functions of the core+1/F protein of the HCV virus: new prospects on the treatment of HCV infection. (2003-2004)
- ❖ IP Paris: Institute Pasteur International Network. PTR: Implications of HCV diversity in the diagnosis and pathogenesis of virus infection in Eastern Europe, SE Asia and Central Africa (2003 – 2005) (coordinator)

- ❖ Greek General Secretariat of Science and Technology, Bilateral S&T Collaboration Program Greece – France PLATO 3: HCV – dependent hepatocellular cancer. Development of a suppression system with RNA mediation (RNAi) that suppresses the reproduction of the HCV virus with the use of HSV-based viral vectors (amplicon) (2004 – 2006)
- ❖ IP Paris: Institute Pasteur International Network. INSERM: ATC-Hépatite C : Vers la résolution de controverses concernant les mécanismes de la traduction chez le virus de l'hépatite C: conséquences en pathologie humaine (2004-2005)
- ❖ Hellenic Pasteur Institute, Internal Funding: Investigation of the role of HCV in hepatocellular cancer with the use of transgenic mice (2004-2006) in collaboration with Dr. L. Probert/Lab of Molecular Genetics in HPI
- ❖ FP6 LSHB-CT-2004-005246 COMPUVAC: Rational design and standardized evaluation of novel genetic vaccines (2005-2009)-
- ❖ FP6 LSHB-CT-018649 THOVLEN: Targeted herpes-virus derived oncolytic vectors for liver cancer European Network (2005-2009)
- ❖ Bodosakis Foundation: Donation for laboratory equipment for a BSL2+ laboratory(2009)
- ❖ Institut Pasteur International Network (RIIP): Organization and support of HCV Network. (2011-2012)
- ❖ IP Paris: Institute Pasteur International Network. ACIP IV: Effect of the genetic variability of the HCV Core protein on the wnt/ $\beta$ -catenin signalling pathway and its regulation by the stress-related protein kinase PKR : Role in HCV- induced pathogenesis and hepatocellular carcinoma development (2013-2015) (coordinator)
- ❖ Greek General Secretariat of Science and Technology, APIΣTEIA-1560: (2011-2014) The role of oncogenic viruses in the pathogenesis of hepatocellular carcinoma: From the HCV core/core+1 protein/ host interactions to HCV-associated liver cancer

## **PUBLICATIONS**

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1. Landick R., Anderson J.J., Mayo M.M., Gunsalus R.P., Mavromara P., Daniels C.J. and Oxender D.L. (1980). Regulation of the High-Affinity Leucine Transport in E. coli *J Supramol Struct.* 14 (4): 527-537
2. Copeland B.R., Landick R., Mavromara P\* and Oxender D.L. (1984). Role of the Membrane Potential in Protein Folding and Domain Formation During Secretion in E. coli *J Cell Biochem.* 24 (4):345-356

3. Landick R., Duncan J., Copeland B., Mavromara P\* and Oxender, D.L. (1984). Secretion and Degradation of Mutant Leucine-Specifying Binding Protein Molecules Containing C-terminal Deletions. *J Cell Biochem.* 24 (4):331-344
4. Mavromara P\*, Su T.Z., Landick R. and Oxender, D.L. (1984). Branched-Chain Amino Acid Transport in E. coli *Microbiology* 24-28
5. Oxender D.L., Landick R., Mavromara P\* and Copeland B.R. (1984). Role of Membrane Potential in Protein Folding and Secretion in E. coli *Microbiology* 4-7
6. Mavromara P\*, Mayo M.M., Su TZ, Anderson, J.J. and Oxender, D.(1985). Identification of livG, a Membrane-Associated Component of the Branched-Chain Amino Acid Transport in E. coli *J Bacteriol.* 163 (3): 1196-1202
7. Mavromara P\*, Antonucci T.K., Landick R. and Oxender, D.L. (1986) Cloning and Characterization of livH the Structural Gene Encoding a Component of the Leucine Transport System in E. coli *J Bacteriol.* 166 (2): 565-575
8. Mavromara P\*, Silver S., Voss H.J., McKnight J.L.C. and Roizman B. (1986). Regulation of Herpes Simplex Virus 1 Genes:  $\alpha$  Gene Sequence Requirements for Transient induction of indicator genes regulated by b or g late promoters. *Virology* 149 (2): 152-164
9. McKnight J.L.C., Kristie T.M., Silver S., Pellet P.E., Mavromara P\*, Fiume C.G. Arsenakis M. and Roizman B. (1986). Regulation of herpes simplex virus 1 gene expression: the effect of genomic environment and its implications for model systems. In control of Gene Expression and Replication. Cancer Cell Vol. 4 Botchan, T., Grodzicker, P. Sharp eds, Cold Spring Harbor Laboratories (Cold Spring Harbor, NY), p163-173.
10. Mavromara P\*\*, Ackerman M. and Roizman B. (1986). Construction and properties of a viable herpes simplex virus I recombinant lacking the coding sequences of the  $\alpha 47$  gene. *J Virol* 60 (2): 807-812
11. Mavromara P\*\*. and Roizman B. (1987). Activation of herpes simplex virus I gamma2 by viral DNA replication. *Virology* 161 (2): 593-598
12. Meignier B., Longnecker R., Mavromara P\*\*, Sears A.E. and Roizman B. (1988). Virulence of and establishment of latency by genetically engineered deletion mutants of herpes simplex virus I *Virology.* 162 (1): 251-254
13. Roizman B., Kristie T., Michael N., McKnight J.L.C., Mavromara P\*\*. and Spector D. (1988). The trans-activation of viral gene expression in herpes simplex virus infected cells *Biochimie* 70 (8):1031-1043
14. Michael N., Spector D., Mavromara P\*\*, Kristie T. and Roizman B. (1988). The DNA binding properties of the major regulatory protein  $\alpha 4$  of herpes simplex viruses. *Science* 239 (4847): 1531-1534

15. Michael, N., Mavromara, P\*\*., Kristie, T., Spector, D. and Roizman, B. The characteristics of the DNA binding sites of a4, the major regulatory protein of herpes simplex virus 1. Proc. Centenary Symposium of the Institut Pasteur, Oct. 19, 1987.
16. Mavromara P\*\*. and B. Roizman (1989). Delineation of regulatory domains of early and late genes by construction of chimeric genes expressed in herpes simplex virus 1 genomes. *Proc Natl Acad Sci. USA* 86 (11): 4071-4075
17. Romanelli M-G., Mavromara P\*\*., Spector D. and Roizman B. (1992). Mutational analysis of the ICP4 binding sites in the 5' transcribed noncoding domains of the herpes simplex virus 1 UL49.5 gene. *J Virol.* 66 (8): 4855-4863
18. Ong C. K., Chan S. Y., Campo M. S., Fujinaga K., Mavromara P\*\*., Labropoulou V., Pfister H., Tay S. K., ter Meulen J., Villa L. L. et al. (1993). Evolution of human papillomavirus type 18: an ancient phylogenetic root in Africa and intratype diversity reflect coevolution with human ethnic groups. *J Virol.* 67 (11): 6424-6431
19. Ho L., Chan S. Y., Burk R. D., Das B. C., Fujinaga K., Icenogle J. P., Kahn T., Kiviat N., Lancaster W., Mavromara P\*\*. et al. (1993). The genetic drift of human papillomavirus type 16 is a means of reconstructing prehistoric viral spread and the movement of ancient human populations. *J Virol.* 67 (11): 6413-6423
20. Georgopoulou U., Michaelidou A., Roizman B., and Mavromara P\*\*. (1993). Identification of a new transcriptional unit that yields a gene product within the unique sequences of the short component of the herpes simplex virus 1 genome. *J Virol.* 67 (7): 3961-3968
21. Labropoulou V., Balamotis A., Tosca A., Rotola A., and Mavromara P\*\*. (1994). Typing of human papillomaviruses in condylomata acuminata from Greece. *J Med Virol.* 42 (3): 259-263
22. Georgopoulou, U., Kakkanas, A., Miriagou, V., Michaelidou, A., and Mavromara, P. (1995). Characterization of the US8.5 protein of herpes simplex virus. *Arch Virol.* 140 (12): 2227-2241
23. Miriagou, V., Argnani, R., Kakkanas, A., Georgopoulou, U., Manservigi, R., and Mavromara, P. (1995). Expression of the herpes simplex virus type 1 glycoprotein E in human cells and in Escherichia coli : protection studies against lethal viral infection in mice. *J Gen Virol.* 76 (Pt12): 3137-3143
24. Kakkanas, A., Papadogeorgaki, H., Manservigi, R., Miriagou, V., Georgopoulou, U., and Mavromara, P. (1995). Escherichia coli expressed herpes simplex virus gG1 and gG2 proteins in ELISA and immunoblotting assays. *Intervirol.* 38 (6): 346-351
25. Labropoulou, V., Diakomanolis, E., Dailinas, S., Kalpaktsoglou, K., Rodolakis, A., Beaudenon, S., Kakkanas, A., and Mavromara, P. (1996). Genital papillomavirus in Greek women with high-grade cervical intraepithelial neoplasia and cervical carcinoma. *J Med Virol.* 48 (1): 80-87



26. Labropoulou, V., Diakomanolis, E., Dailianas, S., Kalpaktsoglou, K., Balamotis, A., and Mavromara, P. (1997). Type-specific prevalence of genital human papillomaviruses in benign, premalignant and malignant biopsies in patients from Greece. ***Sex Transm Dis.*** 24 (8): 469-474
27. Papadopoulou K., Labropoulou V., Davaris P., Mavromara P., Tsimara-Papastamatiou H. (1998) Detection of human papillomaviruses in squamous cell carcinomas of the lung in Greece. ***Virchows Arch.*** 433 (1): 49-54
28. Inchauspe G., Mavromara P., Austyn J., Spengler U., Maertens. (1998) Hepatitis C virus infection: Immune correlates of protection and application to the development of a DNA-based vaccine. Proceedings of an International Symposium
29. A. Varaklioti., U. Georgopoulou., A. Kakkanas, L. Psaridi, W. Caselmann, P. Mavromara (1998) Mutational analysis of two unstructured domains of the 5'UTR of HCV RNA ***Biochem Biophys Res Commun.*** 253 (3): 678-685
30. Psaridi, L., Georgopoulou, U., Varaklioti, A., Mavromara, P. (1999). Mutational analysis of a conserved tetraloop in the 5' untranslated region of hepatitis C virus identifies a novel RNA element essential for the internal ribosome entry site function. ***FEBS Lett.*** 453 (1-2): 49-53
31. Miriagou, V., Stevanato, L., Manservigi, P., Mavromara, P. (2000). The C-terminal cytoplasmic tail of herpes simplex virus type 1 gE protein is phosphorylated *in vivo* and *in vitro* by cellular enzymes in the absence of other viral proteins ***J Gen Virol.*** 81 (Pt 4): 1027-1031
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35. Kalamvoki M., Miriagou V., Hadziyannis A., Georgopoulou U., Varaklioti R., Hadziyannis S., and Mavromara P. (2002). Expression of immunoreactive forms of the hepatitis C NS5A protein in *E. coli* and their use for diagnostic assays ***Arch Virol.*** 147 (9):1733-1745
36. U. Georgopoulou, K. Caravokiri and P. Mavromara (2003). Suppression of the ERK1/2 signaling pathway from HCV NS5A protein expressed by herpes simplex recombinant viruses. ***Arch Virol.*** 148 (2):237-251

37. M Lucas, E Tsitoura, M Montoya, B. Laliotou, E. Aslanoglou, V. Kouvatsis, C Entwisle, J Miller, P Klenerman, A Hadziyannis, S Hadziyannis, P Borrow and P Mavromara (2003). Characterisation of secreted and intracellular forms of a truncated hepatitis C virus E2 protein expressed by a recombinant herpes simplex virus *J Gen Virol.* 84 (Pt3): 545-554
38. N. Vassilaki and P. Mavromara (2003). Two alternative mechanisms are responsible for the expression of the HCV ARFP/F/core+1 coding open reading frame *J Biol Chem* 278 (42): 40503-40513
39. Lauterbach H, Berto E, Kerksiek K, Busch D, Berto E, Bozac A, Mavromara P, Manservigi R, Epstein AL, Marconi P and Brocker T (2004). Protection from Bacterial infection by a single vaccination with replication-deficient mutant herpes simplex virus-1 *J Virol* 78: 4020-4028
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42. K. Kalliampakou, M. Kalamvoki and P. Mavromara (2005). Hepatitis C virus (HCV) NS5A protein downregulates HCV IRES-dependent translation *J Gen Virol* 86(Pt 4): 1015-25
43. P. Mavromara, A. Sall, O. Kalinina, V. Horm, A. Budkowska; HCV Collaborative Team of the International Pasteur Network (2005). The impact of HCV diversity on diagnosis tools for HCV infection *Med Mal Infect* 35 Suppl 2: S103-4
44. M. Kalamvoki, U. Georgopoulou and P. Mavromara (2006). The NS5A protein of the hepatitis C virus genotype 1a is cleaved by caspases to produce C-terminal-truncated forms of the protein that reside mainly in the cytosol *J Biol Chem* 281(19): 13449-62
45. E. Tsitoura, U. Georgopoulou and P. Mavromara (2006). HSV-1 based amplicon vectors as an alternative system for the expression of functional HCV proteins *Curr Gene Ther* 6(3): 393-8
46. U. Georgopoulou, P. Tsitoura, M. Kalamvoki and P. Mavromara (2006). The protein phosphatase 2A represents a novel cellular target for hepatitis C virus NS5A protein *Biochimie* 88(6): 651-62
47. V. Kouvatsis, R. Argnani, E. Tsitoura, M. Arsenakis, U. Georgopoulou, P. Mavromara and R. Manservigi (2007). Characterization of herpes simplex virus type 1 recombinants that express and incorporate high levels of HCV E2-gC chimeric proteins *Virus Res* 123(1):40-9

48. N. Vassilaki, H. Boleti and P. Mavromara (2007). Expression studies of the core+1 protein of the hepatitis C virus 1a in mammalian cells. The influence of the core protein and proteasomes on the intracellular levels of core+1 **FEBS J** 274(16): 4057-74
49. P. Tsitoura, U. Georgopoulou, S. Petres, A. Varaklioti, A. Karafoulidou, D. Vagena, C. Politis and P. Mavromara (2007). Evidence for cellular uptake of recombinant hepatitis C virus non-enveloped capsid-like particles **FEBS Lett** 581(21): 4049-57
50. N. Vassilaki, K. Kalliampakou and P. Mavromara (2008). Differences in the expression of the hepatitis C virus core+1 open reading frame between a nuclear and a cytoplasmic expression system **J Gen Virol** 89 (Pt 1): 222-31
51. N. Vassilaki, H. Boleti and P. Mavromara (2008). Expression studies of the HCV-1a core+1 open reading frame in mammalian cells **Virus Res** 133(2):123-35
52. N.Vassilaki, P.Friebe, P.Meuleman, S.Kallis, A.Kaul, G.Paranhos-Baccala, G.Leroux-Roels, P.Mavromara and R.Bartenschlager (2008). Role of the Hepatitis C Virus core+1 open reading frame and core cis-acting RNA elements in viral RNA translation and replication **J Virol** 82(23): 11503-15
53. I. Nianiou, K. Kalantidis, P. Madesis U Georgopoulou P.Mavromara and A. Tsaftaris (2008). Expression of an HCV core antigen coding gene in tobacco (N. tabacum L.) **Prep Biochem Biotechnol** 38(4): 411-21
- 54.K. Katsarou, E. Serti, P. Tsitoura ,A. Lavdas ,A. Varaklioti ,A. Pickl-Herk ,D. Blaas ,D. Oz-Arslan, R. Zhu, P.Hinterdoefer, P. Mavromara, U. Georgopoulou (2009). Green-Fluorescent protein-tagged HCV non-enveloped capsid like particles: Development of a new tool for tracking HCV core uptake. **Biochimie** 91(7):903-15
55. E. Tsitoura, J. Thomas, D. Cuchet, K. Thoinet, P. Mavromara and A. Epstein (2009). Infection with herpes simplex type 1-based amplicon vectors results in an IRF3/7-dependent,TLR-independent activation of the innate antiviral response in primary human fibroblasts **J Gen Virol** 90: 2209-20
56. P. Madesis, M. Osathanukul, U. Georgopoulou, MF Gisby, EA Mudd, I. Nianiou, P. Tsitoura, P. Mavromara, A. Tsaftaris and A. Day (2009). A hepatitis C virus core polypeptide expressed in chloroplasts detects anti-core antibodies in infected human sera. **J Biotechnol** 145(4): 377-386
57. H.Boleti, D. Smirlis, G. Dalagiorgou, E. Meurs, S. Christoforidis and P. Mavromara (2010). ER targeting and retention of the HCV NS4B protein relies on the concerted action of multiple structural features including its transmembrane domains **Mol Membr Biol** 27(1): 50-74

58. A. Boumlic, Y. Nomine, S. Charbonnier, G. Dalagiorgou, N. Vassilaki, B. Kieffer, G. Trave, P. Mavromara and G. Orfanoudakis (2010). Prevalence of intrinsic disorder in the hepatitis C virus ARFP/Core+1/S protein **FEBS J** **277(3): 774-89**
59. Katsarou K, Lavdas AA, Tsitoura P, Serti E, Markoulatos P, Mavromara Georgopoulou U (2010). Endocytosis of hepatitis C virus non-enveloped capsid-like particles induces MAPK-ERK1/2 signaling events **Cell Mol Life Sci.** **67 (14): 2491-2506**
60. Opreșan G, Szmal C, Dinu S, Opreșoreanu AM, Thiers V, Panait M, Oțelea D, Mavromara P; HCV Collaborative Team of the CEEEX 158 Project, Ruță S, Sultana C, Alexiu I, Manolescu L, Anton G, Grancea C, Neagu A, Sencovici C, Calistru PJ, Târdei G, Moțoc A, Lazăr S, Ionescu C, Ceaușu E, Cristea C, Voiculescu G, Brehar-Cioflec D, Popovici D, Chicin G, Clai Ci (2010). Comparative methods for genotyping hepatitis C virus isolates from Romania **Roum Arch Microbiol Immunol.** **2009 Jul-Sep;68(3):151-7**
- 61 Kochlios E., Foka P., Doumba PP., Koskinas J., Mavromara P. (2010) Effect of Hepatitis C virus core and core+1 proteins on pro- and anti-inflammatory cytokine and chemokine gene expression **CYTOKINE** **52 (1-2): 82**
62. Arnaud N, Dabo S, Maillard P, Budkowska A, Kalliampakou KI, Mavromara P, Garcin D, Hugon J, Gatignol A, Akazawa D, Wakita T, Meurs EF (2010) Hepatitis C virus controls interferon production through PKR activation **PLoS One.** **5(5):e10575**
63. R. Njouom, E. Nerrienet, A. Budkowska, P. Maillard, D. Rousset, O. Kalinina, P. Mavromara; HCV Collaborative Team of the International Pasteur Network (2010) Evaluation of core and NS4B synthetic peptide-based immunoassays for the detection of hepatitis C virus antibodies in clinical samples from Cameroon, Central Africa **J Clin Virol Sep; 49(1):61-4**
64. Foka P, Pourchet A, Hernandez-Alcoceba R, Doumba PP, Pissas G, Kouvatsis V, Dalagiorgou G, Kazazi D, Marconi P, Foschini M, Manservigi R, Konstadoulakis MM, Koskinas J, Epstein AL, Mavromara P (2010) Novel tumour-specific promoters for transcriptional targeting of hepatocellular carcinoma by herpes simplex virus vectors **J Gene Med.****12(12):956-67**
65. A. Boumlic, N. Vassilaki, G. Dalagiorgou, E. Kochlios, A. Kakkas, U. Georgopoulou, P. Markoulatos, G. Orfanoudakis and P. Mavromara (2011) Internal translation initiation stimulates expression of the ARFP/core+1 open reading frame of HCV genotype 1b **Virus Res.** **1;155(1):213-20**
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#### **PATENT APPLICATIONS**

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