

## Curriculum Vitae

Dr. Athanassios Kakkanas

**Affiliation – research organization, department:** Hellenic Pasteur Institute, Microbiology Dept., Molecular Virology Unit

**Education:**

BsC Chemistry, University of Athens, Greece, 1985.

Ph.D Biology, University of Athens, Greece, 1990.

**Academic positions in the last five years**

Research Engineer grade B' (2005 – 2019)

Research Engineer grade A' (2019- recent)

**Main research area:**

HCV type and subtype genome research

**Additional research areas:**

Wnt/ $\beta$ -catenin pathway and HCV core proteins derived from different subtypes of the virus.

**Additional Responsibilities:**

Member of the Scientific Board of Hellenic Pasteur Institute

Biosafety Manager of Hellenic Pasteur Institute

**Research Grants**

20.000 euro/ Resort (IPP)/ACIP project A23-2013-2014. “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”.

22900 euro/ KRIPIS II “Infectious, autoimmune and neurodegenerative diseases: study of the pathogenetic mechanisms and development of diagnostic, prognostic and therapeutic approaches” (MIS5002486) which is implemented under the “Action for the Strategic Development on the Research and Technological Sector”, funded by the Operational Programme "Competitiveness, Entrepreneurship and Innovation "(NSRF2014-2020) and co-financed by Greece and the European Union (European Regional Development Fund).

**Name, used in publications:** Athanassios Kakkanas

**H index (according to Scopus or Web of Science):**10

**Internet address with list of scientific publications (ORCID or other databases):**

AAQ-5185-2020

**Total number of scientific publications:** 24

**Number of citations of the scientific publications:** 229

**Number of scientific publications in the last five years:** 3

***Publications:***

1. Agnantis, N. J., Pintzas, A., Kakkanas, A., Markoulatos, P. and Spandidos, D.A., (1987). Expression of the ras oncogene p21 protein in human breast tumors and in several benign conditions, using the Y13-259 monoclonal antibody. In: *Fundamental Problems in Breast Cancer*. A. H. G. Patterson and P. Lees (eds). Martinus Nijhoff Publishing, Boston, USA, pp 323 - 325.
2. Spandidos, D. A., Pintzas, A., Kakkanas, A., Yagnissis, M., Mahera, H., Patra, E. and Agnantis, N. J., (1987). Elevated expression of the myc gene in human benign and malignant breast lesions, compared to normal tissue. *Anticancer Res.*, 7: 1299 - 1304. (IF: 1.39)
3. Agnantis, N.J., Spandidos, D. A., Mahera, H., Parissi, P., Kakkanas, A., Pintzas, A. and Papacharalambous, N., X. (1988). Immunohistochemical study of the ras oncogene expression in endometrial and cervical human lesions. *Eur. J. Gynecol. Oncol.*, 9: 360 - 365.
4. Spandidos, D. A., Pintzas, A., Kakkanas, A., Yagnissis, M. and Agnantis, N. J. (1988). Quantitative and qualitative changes in oncogene during carcinogenesis. In: *Breast Cancer Scientific and Clinical Progress*. M. A. Rich, J. C. Hager and D. M. Lopez (eds). Kluwer Academic Publishers, Boston, USA, pp 24 - 41.
5. Tiniakos, D., Spandidos, D. A., Kakkanas, A., Pintzas, A., Police, L. and Tiniakos, G. (1989). Expression of the ras and myc oncogenes in hepatocellular carcinomas and other liver lesions. *Anticancer Res.*, 9: 715 - 722. (IF: 1.39)
6. Agnantis, N. J., Conctantinidou, A., Poullos, C., Pintzas, A., Kakkanas, A. and Spandidos D. A., (1990). Immunohistochemical study of the ras oncogene expression in human endoscopy specimens. *Eur. J. Surg. Oncol.*, 16: 153 - 160. (IF: 0.832)
7. Kakkanas, A. and Spandidos D. A., (1990). Ras p21 Onco- protein in the sera of mice carrying an experimentally induced tumor and in human cancer patients. *In Vivo* 4: 115 - 120. (IF: 0.832)
8. Kakkanas, A. and Spandidos D. A., (1990). In vitro and in vivo oncosuppressor activity of normal cells on cells transformed with the H-ras1 oncogene. *In Vivo* 4: 109 -114.
9. Georgopoulou, U., Kakkanas, A., Miriagou, V., Michaelidou, A. and Mavromara - Nazos, P., (1995). Characterization of the US 8.5 protein of herpes simplex virus type 1. *Arch. Virol.* 140: 2227 - 2241. (IF: 1.384)
10. Miriagou, V., Argnani, R., Kakkanas, A., Georgopoulou, U., Manservigi, R. and Mavromara, P., (1995). Expression of herpes simplex virus type 1 glycoprotein E in human cells and *Escherichia coli*: protection studies against lethal viral infection in mice. *J. Gen. Virology*, 76: 3137 - 3143. (IF: 3.410)

11. 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: 346 - 351. (IF: 1.260)
12. Lambropoulou, V., Diakomanolis, E., Dailianas, S., Kalpaktsoglou, K., Rodolakis, A., Beaudenson, 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: 80 -87. (IF: 2.594)
13. Varaklioti, A., Georgopoulou, U., Kakkanas, A., Psaridi, L., Serwe, M., Caselmann, W.H. and Mavromara, P. (1998). Mutational analysis of two untranslated domains of the 5' untranslated region of HCV RNA. *Biochem Biophys Res Commun* 253: 678 - 685.(IF: 2.648)
14. Mavromara P, Sall A, Kalinina O, Horm V, Budkowska A, HCV Collaborative Team of the International Pasteur Network. (2005). The impact of HCV diversity on diagnosis tools for HCV infection. *Med Mal Infect.* Jun; 35 Suppl 2:S103-4. (IF:1.061)
15. Njouom R, Nerrienet E, Budkowska A, Maillard P, Rousset D, Kalinina O, Mavromara P; 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.* 49(1):61-4. (IF: 2.647)
16. Boumlic A, Vassilaki N, Dalagiorgou G, Kochlios E, Kakkanas, A., Georgopoulou U, Markoulatos P, Orfanoudakis G. and Mavromara P. (2011). Internal translation initiation stimulates expression of the ARF/core+1 open reading frame of HCV genotype 1b. *Virus Res.* 155(1):213-20. (IF: 2.941)
17. Budkowska A, Kakkanas, A., Nerrienet E., Kalinina O., Maillard P., Horm SV., Dalagiorgou G., Vassilaki N., Georgopoulou U., Martinot M., Sall AA. And Mavromara P. (2011). Synonymous mutations in the core gene are linked to unusual serological profile in hepatitis C virus infection. *PLoS One.* Jan 6;6(1):e15871. (IF: 4.092)
18. Dalagiorgou G., Vassilaki N., Foka P., Boumlic A., Kakkanas, A., Kochlios E, Khalili S., Aslanoglou E., Veletza S., Orfanoudakis G., Vassilopoulos D., Hadziyannis SJ., Koskinas J., and Mavromara P. (2011). High levels of HCV core+1 antibodies in HCV patients with hepatocellular carcinoma. *J. Gen Virol.* 92(Pt 6):1343-51. (IF: 3.363)
19. Karamitros T., Kakkanas, A., Katsoulidou A., Sypsa V., Dalagiorgou G, Mavromara P. and Hatzakis A. (2012). Detection of specific antibodies to HCV-ARF/CORE+1 protein in patients treated with pegylated interferon plus ribavirin. *J. Viral Hepat.* 19(3):182-8. (IF:3.082)
20. Kotta-Loizou I, Vassilaki N, Pissas G, Kakkanas, A, Bakiri L, Bartenschlager R, Mavromara P (2013). Hepatitis C virus core+1/ARF protein decreases hepcidin transcription through an AP1 binding site. *J. Gen Virol.* 94(7):1528-34. (IF: 3.183)

21. Foka P., Karamichali E, Dalagiorgou G, Serti E, Doumba P, Pissas G, Kakkanas, A, Kazazi D, Kochlios E, Gaitanou M, Koskinas J, Georgopoulou U, Mavromara P. (2014). Hepatitis C virus modulates lipid regulatory factor Angiopoietin-like 3 gene expression by repressing Hepatic Nuclear Factor-1 $\alpha$  activity. *J. Hepatol.* 60(1): 30-38. (IF: 11.336)
22. Karamichali E, Serti E, Gianneli A, Papaefthymiou A, Kakkanas A, Foka P, Seremetakis A, Katsarou K, Trougakos I. P. and Georgopoulou U, (2017) The unexpected function of a highly conserved YXX $\Phi$  motif in HCV core protein. *Infect Genet Evol.* Oct; 54:251-262. (IF: 2,545)
23. Aicher S, Kakkanas, A, Cohen L, Blumen B , Oprisan G, Njouom R, Meurs E. F., Mavromara P and Martin A, (2018). Differential regulation of the Wnt/ $\beta$  catenin pathway by hepatitis C virus recombinants expressing core from various genotypes. *Sci Rep.* Jul 25;8(1):11185. (IF:4,122)
24. Karamichali E, Chihab H, Kakkanas A, Marchio A, Karamitros T, Pogka V, Varaklioti A, Kalliaropoulos A, Martinez-Gonzales B, Foka P, Koskinas I, Mentis A, Benjelloun S, Pineau P, Georgopoulou U. HCV Defective Genomes Promote Persistent Infection by Modulating the Viral Life Cycle. *Front Microbiol.* Dec 3;9:2942, 2018.