George Sourvinos

Professor of Clinical Virology

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Professional History

2015-present: Professor of Clinical Virology, Medical School, University of Crete, Greece.
Head of Laboratory of Clinical Virology, University Hospital of Crete, Greece.

2011-2015: Associate Professor of Clinical Virology, Medical School, University of Crete.

2010: Sabbatical, Tufts Medical Center, Boston, USA.

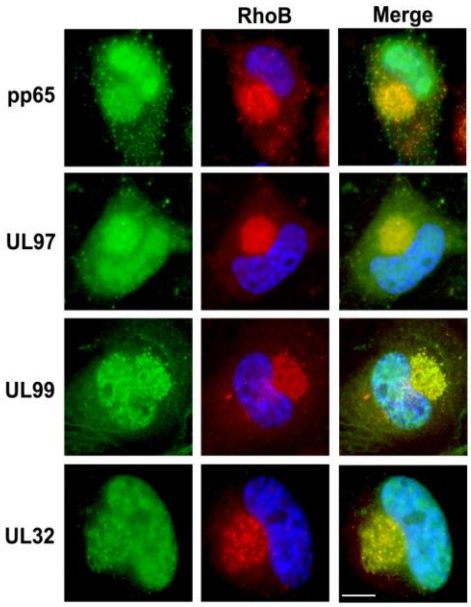
2004-2011: Assistant Professor of Clinical Virology, Medical School, University of Crete.

2003- 2004: Postdoctoral Research Associate, Wellcome Trust Fellow, Institute of Cell and Molecular Biology, University of Edinburgh, Edinburgh, UK.

2001- 2003: Postdoctoral Research Associate, Medical Research Council Fellow and Marie Curie Fellow, Institute of Virology, Glasgow, UK.

Research Interests

-Regulation of Herpes Simplex Virus type-1 (HSV-1) and Human Cytomegalovirus (HCMV) gene expression during lytic infection and latency.
- The role of Rho GTPases during HCMV infection.
- Signaling pathways activated during HSV-1 lytic infection, latency and reactivation.
- Epigenetic regulation of HCMV infection by the Polycomb Repressive Complexes.
- Activation of inflammatory and epigenetic pathways during HCMV productive infection via miRNAs of the host.



Representative Publications

1. Goulidaki N, Alarifi S, Alkahtani SH, Al-Qahtani A, Spandidos DA, Stournaras C, **SOURVINOS G**. RhoB is a component of the human cytomegalovirus assembly complex and is required for efficient viral production. *Cell Cycle*, 14: 2748-2763, 2015.

2. V.M. Vlahava, A.G. Eliopoulos, **G. SOURVINOS**. CD40 ligand exhibits a direct antiviral effect on Herpes Simplex Virus type-1 infection via a PI3K-dependent, autophagy-independent mechanism. *Cellular Signalling*, 27: 1253-1263, 2015.

3. **G. SOURVINOS**, A.Morou, I. Sanidas, I. Codruta, S.A. Ezell, C. Doxaki, S.C. Kampranis, F. Kottakis and P.N. Tsichlis. The downregulation of GFI1 by the EZH2-NDY1/KDM2B-JARID2 axis and by human cytomegalovirus (HCMV) associated factors allows the activation of the HCMV major IE promoter and the transition to productive infection. *PLoS Pathogens*, 10(5):e1004136, 2014.

4. Lasithiotaki I, Antoniou KM, Derdas SP, Sarchianaki E, Symvoulakis EK, Psaraki A, Spandidos DA, Stathopoulos EN, Siafakas NM, **SOURVINOS G**. The presence of Merkel cell polyomavirus is associated with deregulated expression of BRAF and Bcl-2 genes in non-small cell lung cancer. *International Journal of Cancer*, 133: 604-611 2013.

5. S.A. Ezell, C. Polytarchou, M. Hatziapostolou, A. Guo, I. Sanidas, T. Bihani, M.J. Comb, **G. SOURVINOS**, P.N. Tsichlis. Akt1 regulates the interferon response and viral replication through phosphorylation of the transcriptional repressor EMSY. *Proc Natl Acad Sci USA*, 109: E613-21, 2012.

6. Lasithiotaki I, Antoniou KM, Vlahava VM, Karagiannis K, Spandidos DA, Siafakas NM, **SOURVINOS G**. Detection of herpes simplex virus type-1 in patients with fibrotic lung diseases. *PLoS One*, 6:e27800, 2011.

7. C. Filippakis, P. Dimitropoulou, A.G. Eliopoulos, D.A Spandidos, **G. SOURVINOS**. The enhanched host-cell permissivenes of Human Cytomegalovirus is mediated by the Ras signalling pathway. *Biochimica et Biophysica Acta-Molecular Cell Research*, 1813: 1872-1882, 2011.

8. G. Dimitropoulou, R. Caswell, B.P. McSharry, R.F. Greaves, G.W. Wilkinson, D.A. Spandidos, **G SOURVINOS**. Differential relocation and stability of PML-body components during productive Human Cytomegalovirus infection; Detailed characterization by live cell imaging. *European Journal of Cell Biology*, 89: 757-768, 2010.

9. **G SOURVINOS**, N Tavalai, A Berndt, D.A. Spandidos and Thomas Stamminger. Recruitment of human cytomegalovirus immediate early 2 protein IE86 onto parental viral genomes in association with ND10 in live infected cells. *Journal of Virology*, 81: 101123-10136, 2007.

10. Everett RD, **SOURVINOS G**, Leiper C, Clements JB and Orr A. Formation of nuclear foci of the herpes simplex virus type 1 regulatory protein ICP4 at early times of infection: localization, dynamics, recruitment of ICP27, and evidence for the de novo induction of ND10-like complexes. *Journal of Virology*, 78: 1903-1917, 2004.

11. Everett RD, **SOURVINOS G** and Orr A. Recruitment of HSV-1 trancriptional regulatory protein ICP4 into foci juxtaposed to ND10 and containing parental viral genomes in live infected cells. *Journal of Virology*, 77: 3680-3689, 2003.

12. **SOURVINOS G** and Everett RD. Visualization of parental HSV-1 genomes and replication compartments in association with ND10 in live infected cells. *EMBO J*, 21: 4989-4997, 2002.

13. Winter AG, **SOURVINOS G**, Allison SJ, Tosh K, Scott PH, Spandidos DA and White, R. J. RNA polymerase III transcription factor TFIIIC2 is overexpressed in ovarian tumours. Proc Natl Acad Sci USA, 97:12619-12624, 2000.

14. **G. SOURVINOS**, C Tsatsanis and DA Spandidos. Overexpression of the *Tpl-2/Cot* oncogene in human breast cancer. *Oncogene*, 18: 4968-4973, 1999.

15. **G. SOURVINOS** and D.A Spandidos. Decreased expression of *BRCA1* may arrest the cell cycle through *p53* checkpoint in human sporadic breast cancer. *Biochemical and Biophysical Research Communications*, 245: 75-80, 1998.