

Katerina Strati, PhD

Professional Appointments

Jul 2015-current: Assistant Professor (Oncogenic Viruses), Department of Biological Sciences, University of Cyprus, Cyprus

Jul 2009-Jul 2015: Lecturer (Oncogenic Viruses), Department of Biological Sciences, University of Cyprus, Cyprus

Jan 2008- May 2009: Post-doctoral Fellow, Telomeres and Telomerase Group, Spanish National Cancer Research Centre (CNIO), Madrid, Spain

Aug 2007- Dec 2007: Post-doctoral Fellow, Department of Oncology, McArdle Laboratory of Cancer Research, University of Wisconsin, Madison, USA

Formal Education

Aug 2003- Aug 2007: PhD in Cell and Molecular Biology, University of Wisconsin, Madison, USA

Aug 1999-May 2003: Bachelors in Microbiology and Genetics, Ohio Wesleyan University, Delaware, USA (graduated with highest honours, *summa cum laude*)

Formal Training Courses

- **2006: AACR Edward Smuckler Memorial Pathobiology of Cancer Workshop**, Snowmass Village, CO, USA.

Mentorship

Current supervision of 1 postdoc, 3 PhD students, 1 MSc student

Collaborations

Georgios Mitsis: Department of Bioengineering, McGill University, Montreal, Canada. Topic: Algorithms for Modelling Biological Processes

Joelle Pineau: Department of Computer Science, McGill University, Montreal, Canada. Topic: Algorithms for Modelling Biological Processes

Participation in Committees/Professional Memberships

2014-current Cyprus National Committee for Laboratory Animal Welfare

2014-2017 Cyprus National Committee on Environment and Children's Health

2013-current European Society for Virology

Teaching

BIO 371: Microbiology

BIO 490: Current topics in Biology (Advances in Stem Cells and Regenerative Biology)

BIO 860: Oncogenic Viruses

Publications (ORCID ID: 0000-0002-2332-787X, Scopus ID: 14631450500)

Original Research Articles:

1. *Iacovides D, *Rizki G, Lapatitis G, ✉**Strati K.** (2016) Direct Conversion of Mouse Embryonic Fibroblasts into Functional Keratinocytes Through Transient Expression of Pluripotency-related Genes. **Stem Cell Res and Ther.** 7(1):98. ✉**corresponding author**
2. Loizides, C., Iacovides, D., Hadjiandreu, M., Rizki, G., Achilleos, A., ✉**Strati, K.** and ✉Mitsis, G. (2015). Model-based Tumor Growth Dynamics and Therapy Response in a Mouse Model of de Novo Carcinogenesis. **PLOS One** 10,12. ✉**corresponding author**
3. Michael, S., Lambert, P.F., and ✉**Strati, K.** (2013) The HPV16 Oncogenes Cause Aberrant Stem Cell Mobilization. **Virology** 443, 218-25. ✉**corresponding author**
4. Park, J.W., Pitot, H.C., **Strati, K.**, Spardy, N., Duensing, S., Grompe, M., and Lambert, P. F. Deficiency in Fanconi Anemia Pathway Sensitizes Mice to HPV-Associated Head and Neck Cancer. (2010) **Cancer Res.** 70, 9959-68.
5. Jabbar, S., **Strati, K.**, Shin, M. K., Pitot, H. C., and Lambert, P. F. (2010). Human papillomavirus type 16 E6 and E7 oncoproteins act synergistically to cause head and neck cancer in mice. **Virology** 407, 60- 67.

6. *Marion, R. M., ***Strati, K.**, Li, H., Murga, M., Blanco, R., Ortega, S., Fernandez-Capetillo, O., Serrano, M., and Blasco, M. A. (2009). A p53-mediated DNA damage response limits reprogramming to ensure iPS cell genomic integrity. **Nature** 460, 1149-1153. *equal contribution
7. Li, H., Collado, M., Villasante, A., **Strati, K.**, Ortega, S., Canamero, M., Blasco, M. A., and Serrano, M. (2009). The Ink4/Arf locus is a barrier for iPS cell reprogramming. **Nature** 460, 1136-1139.
8. *Marion, R. M., ***Strati, K.**, Li, H., Tejera, A., Schoeftner, S., Ortega, S., Serrano, M., and Blasco, M. A. (2009). Telomeres acquire embryonic stem cell characteristics in induced pluripotent stem cells. **Cell Stem Cell** 4, 141-154. *equal contribution
9. **Strati, K.**, and Lambert, P. F. (2007). Role of Rb-dependent and Rb-independent functions of papillomavirus E7 oncogene in head and neck cancer. **Cancer Res** 67, 11585-11593.
10. **Strati, K.**, Pitot, H. C., and Lambert, P. F. (2006). Identification of biomarkers that distinguish human papillomavirus (HPV)-positive versus HPV-negative head and neck cancers in a mouse model. **Proc Natl Acad Sci U S A** 103, 14152-14157.

Reviews:

1. ☒**Strati K.** Changing stem cell dynamics during Papillomavirus infection: potential roles for cellular plasticity in the viral lifecycle and disease. (2017) **Viruses** 12(9)8
2. Michael, S. Achilleos, C. , Panayiotou, T. and☒**Strati, K.** (2016) Inflammation shapes stem cells and stemness during infection and beyond. **Front. Cell Dev. Biol**☒corr. author
3. Iacovides, D., Michael, S, Achilleos, C., and ☒**Strati, K.** (2013). Shared mechanisms in stemness and carcinogenesis: lessons from oncogenic viruses. **Front Cell Inf Micro.** 3, 66☒corresponding author
4. **Strati, K.**, and Lambert, P. F. (2008). Human Papillomavirus Association with Head and Neck Cancers: Understanding Virus Biology and Using It in the Development of Cancer Diagnostics. **Expert Opin Med Diagn** 2, 11-20.

Book chapters:

1. Li, H., **Strati, K.**, Dominguez, V., Martin, J., Blasco, M.A., Serrano, M. and Ortega, S. (2011) Induced Pluripotency: generation of iPS cells from mouse embryonic fibroblasts, In **Advanced Protocols for Animal Transgenesis** (Springer), pp.477-500.
2. Lambert, P. F., and **Strati, K.** (2009). Oncogenic Viruses, In **Encyclopedia of Microbiology** (Elsevier), pp. 421-429.