

**ZOE KARETSOU**  
**CURRICULUM VITAE**

Senior Laboratory Teaching Staff  
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**Date of Birth**            03 December 1969  
**Place of Birth**        Ioannina, Greece  
**Nationality**            Greek  
**Sex**                        Female  
**Marital Status**        Married, three children

**Education**

1981- 1987                High School, Ioannina  
1987-1992                University of Ioannina, Department of Chemistry  
                                  B. Sc. in Chemistry  
1993-1999                Ph. D in Biochemistry. Title: ‘Studies on the interaction of  
                                  Prothymosin a with histone H1 and chromatin.’

**Research experience**

1998                        Visiting scientist in Dr. C. Gruss laboratory, Department of  
                                  Biology, University of Konstanz, Germany.  
1999-2000                Post-doctoral fellow, Laboratory of Biological Chemistry  
                                  Medical School, University of Ioannina  
2003                        Visiting scientist in Professor P. Becker laboratory, Medical Faculty,  
                                  Adolf Butenadt Institute, Molecular Biology, LMU, Germany.

**Scientific Societies**

The Greek Biochemical and Biophysical Society  
Union of Greek Chemists

**Languages**

English, C2, **French, C2**, German, B1

**Fellowships**

-Greek Government fellowship, 1987  
-Short-term EMBO Fellowship, October 1st - December 31th, 1998.  
-Short-term FEBS Fellowship, June 1st - August 31th, 2003.

**Publications**

1. Serifi I., Karetsou Z., Besta S., Giardoglou P., Beis D., Niewiadomski P.,  
Papamarcaki T. (2021). “Targeting of SET/I2PP2A oncoprotein inhibits Gli1

- transcription revealing a new modulator of Hedgehog signaling” *Scientific Reports* 11 (1):13940.
2. Serifi, Tzima E, Soupsana K, **Karetsou Z**, Beis D and Papamarcaki T (2016) “The zebrafish homologs of SET/I2PP2A oncoprotein: expression patterns and insights into its physiological roles” *Biochemical Journal* 473, 4609-4627.
  3. **Karetsou Z**, Emmanouilidou A, Tzima E, Kobayashi T, Papamarcaki T. (2013) “Knockdown of prothymosin  $\alpha$  leads to apoptosis and developmental defects in zebrafish embryos.” *Biochem Cell Biol.* 91(5):325-32.
  4. Ch. Matragkou, H. Papachristou, **Z. Karetsou**, G. Papadopoulos, T. Papamarcaki, I. S. Vizirianakis, A. S. Tsiftoglou and T. Choli-Papadopoulou (2009) “On the Intracellular Trafficking of Mouse S5 Ribosomal Protein from Cytoplasm to Nucleoli” *Journal of Molecular Biology*, 392(5):1192-1204.
  5. **Z. Karetsou**, A. Emmanouilidou, I. Sanidas, S. Liokatis, E. Nikolakaki, A. Politou, and T. Papamarcaki (2009) “Identification of distinct SET/TAF-I $\beta$  domains required for core histone binding and quantitative characterisation of the interaction” *BMC Biochemistry*, 10 (1):10.
  6. C. Matragkou, I.S. Vizirianakis, T. Papamarcaki, **Z. Karetsou**, A.S. Tsiftoglou, T. Choli-Papadopoulou (2007) “On the possible involvement of mouse rpS5 phosphorylation in ribosomal biogenesis and cellular differentiation” *Amino Acids* 33 (3) : XLIX-L.
  7. **Karetsou Z**, Martic G, Sflomos G., Papamarcaki T. (2005). “The histone chaperone SET/TAF-I $\beta$  interacts functionally with the CREB-binding protein” *BBRC*, 335(2):322-327.
  8. G. Martic, **Z. Karetsou**, K. Kefala, C. Clapier, T. Straub, and T. Papamarcaki (2005). “Parathymosin affects the binding of linker histone H1 to nucleosomes and remodels chromatin structure” *Journal of Biological Chemistry* 280:16143-16150.
  9. **Karetsou Z**, Martic G, Tavoulari S, Christoforidis S, Wilm M, Gruss C, Papamarcaki T. (2004) “Prothymosin  $\alpha$  associates with the oncoprotein SET and is involved in chromatin decondensation.” *FEBS Lett.* 577 (3) 496-500.
  10. **Z. Karetsou**, A. Kretsovali, C. Murphy, O. Tsolas, and T. Papamarcaki (2002) “Prothymosin  $\alpha$  interacts with the CREB-binding protein and potentiates transcription ” *EMBO Reports* 3, 361-366.

11. **Z. Karetsou.**, R. Sandaltzopoulos, M. Frangou-Lazaridis, C-Y. Lai, O. Tsoias, P. Becker, and T. Papamarcaki (1998) " Prothymosin  $\alpha$  modulates the interaction of histone H1 with chromatin" *Nucleic Acids Research* 13, 3111-3113.