

## **ΕΥΑΓΓΕΛΙΑ ΠΑΤΣΑΒΟΥΔΗ**

Καθηγήτρια  
Τμήμα Μηχανικών Βιοϊατρικής  
Πανεπιστήμιο Δυτικής Αττικής

## **ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ**

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**Άμεση επίβλεψη και καθοδήγηση μεταπτυχιακών υποτρόφων για εκπόνηση Διδακτορικών Διατριβών που πραγματοποιήθηκαν στο **Ελληνικό Ινστιτούτο Παστέρ****

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**2000-2016:**

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**ΕΥΡΕΣΙΤΕΧΝΙΕΣ:** Compositions and methods for treating neoplasias This application claims the benefit of U.S. Provisional Application No.: 61/386,764, filed September 27, 2010.

#### **ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΕΓΚΡΙΤΑ ΠΕΡΙΟΔΙΚΑ**

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2. R. Agelopoulou, S. Marge, **E. Patsavoudi** and A. Jost. (1984) Intial phases of the rat testis differentiation in vitro. Journal of Embryology and Experimental Morphology 83, p. 15-31.
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4. **E. Patsavoudi**, S. Marge, M. Castanier, R. Scholler and A. Jost. (1985) Dissociation between testicular morphogenesis and functional differentiation of Leydig cells. Journal of Endocrinology, 105, p. 233-238.
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12. A. Mamalaki, E. Boutou, C. Hurel, **E. Patsavoudi**, S. Tzartos and R. Matsas. (1995) The BM88 antigen, a novel neuron specific molecule, enhances the differentiation of mouse neuroblastoma cells. *J. Biol. Chem.* 270, p. 14201-14208
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14. E. Yfanti, I. Nagata and **E. Patsavoudi**. (1998) "Migration behavior of rodent granule neurons the presence of antibody to the 4C5 antigen", *J. Neurochem.* 71: 1381-1389
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29. Stivarou T, **Patsavoudi E.** (2015). Extracellular molecules involved in cancer cell invasion. *Cancers (Basel)*. 7(1):238-65. doi: 10.3390/Cancers7010238.
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31. Stivarou T, Stellas D, Vartzi G, Thomaidou D, **Patsavoudi E.** (2016) Targeting highly expressed extracellular HSP90 in breast cancer stem cells inhibits tumor growth in vitro and in vivo. *Cancer Biol Ther*. 17(8):799-812.

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2. **E. Patsavoudi** and R. Matsas (1989). Neuron specific monoclonal antibody BM88 recognizes a 22 KD membrane protein that may be involved in neuron glia interactions. (Abstr.) *J. Neurochem*. 52, (Suppl.) S 134A.
3. E. Merkouri, **E. Patsavoudi** and R. Matsas (1990). Neuron specific monoclonal antibody recognizes a 41kD surface antigen in the pig nerves system. 8th Meeting of the European Society for Neurochemistry, Leipzig, Germany.
4. G. Kollias, H. Kaslaris, E. Kaslaris, J. Keffer, **E. Patsavoudi** and L. Probert (1990). Analysis of human tumor necrosis factor gene expression and biological function in

transgenic mice. 3rd International Conference on Tumor Necrosis Factor and Related Cytokines. Makuhari, Japan.

5. R. Matsas and **E. Patsavoudi** (1991). Neuron specific antigen defined by monoclonal antibody BM88 is involved in neurite outgrowth *in vitro*. 3rd IBRO World Congress of Neuroscience, Montreal, Canada.
6. **E. Patsavoudi**, V. Vlazakis and R. Matsas (1991). Monoclonal antibody BM88 defines a neuron specific surface antigen involved in neurite outgrowth. Soc. Neurosci. 17 p. 574.
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8. E. Merkouri, R. Matsas, **E. Patsavoudi**, C. Pavlidis and S. Thanos (1992). Expression of BM88 and BM89 antigens in regenerating sciatic trigeminal and optic nerves. 15th Annual Meeting of the European Neuroscience Association, Munich, Germany.
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14. E. Yfanti, J. Cohen, L. Margaritis and **E. Patsavoudi** (1998) The 4C5 antigen is involved in Schwann cell migration during development of the peripheral nervous system. 3<sup>rd</sup> European Meeting on Glial Cell Function in Health and Disease Athens, Greece
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16. D. Thomaidou, Y. Koutmani, **E. Patsavoudi** and R. Matsas (2000) BM88 is a marker of proliferating neuroblasts in early differentiating cells. 30<sup>th</sup> Annual Meeting , Society for Neuroscience. New Orleans, USA.
17. Y. Koutmani, D. Thomaidou ,**E. Patsavoudi** and R. Matsas (2001) BM88 is a marker of proliferating neuroblasts that will differentiate into the neuronal lineage. 12<sup>th</sup> Biochemical and Biophysical Balcan Days . Bucharest, Romania
18. **E. Patsavoudi**, K. Sidera, M. Samiotaki, G. Panayotou, I. Kalatzis and D. Cavouras (2004) Identification of the 4C5 antigen as a member of the heat shock protein family FENS Forum, Lisbon Portugal.
19. Stellas D., E. Villaras, G. Tsiambas , A. Karameris and **E Patsavoudi** (2005) Detection of Heat Shock Protein HSP90 in brai tumors with a new monoclonal antibody, mAb4C5 ECCO13 Paris
20. Sidera K, Gaitanou M., Matsas R. and **Patsavoudi E.** (2006) Cell surface HSP90 interacts with the extracellular domain of HER2 and contributes to ligand-mediated receptor activation in MDAMB453 breast cancer cells. 31st FEBS Congress Istanbul, Turkey.
21. Stellas D and **Patsavoudi E** The monoclonal antibody, mAb 4C5, against heat shock protein 90 (HSP90) inhibits B16F10 melanoma cell invasion and metastasis in C57BL/6 mice. Second International Congress for Cancer Risk Assessment (ICCRA 2) 25-27 May 2007, Santorini, Greece
22. El Hamidie, Siganou A, Grammatikakis N, and **Patsavoudi E.** (2008)Cdc37 is localized at the cell surface and is possibly involved in cancer cell invasion. 33rd FEBS Congress, Athens Greece.
23. Stellas D. and **Patsavoudi E.** (2008) Extracellular HSP90 interacts with MMP2 and MMP9 and contributes to MDAMB453 human breast cancer cell metastasis in vivo. 33rd FEBS Congress, Athens Greece.
24. **E. Patsavoudi** and A. El Hamidie (2010) Monoclonal antibody mAb 4C5 against HSP90, inhibits MDAMB231 breast cancer cell invasion and MMP2 and MMP9 activation The 5<sup>th</sup> Conference on The HSP90 Chaperone Machine, Les Diablerets, Switzerland.
25. A. El Hamidie, K. Sidera and **E. Patsavoudi** (2011) Cdc37 is expressed on the surface of MDA-MB-231 breast cancer cells and is implicated in extracellular HSP90-driven cancer cell invasion processes. The 3<sup>rd</sup> EMBO Meeting Vienna, Austria
26. K. Sidera, P. Stamou, A. El Hamidie and **E. Patsavoudi** (2012) Monoclonal antibody mAb 4C5, against HSP90 inhibits colony formation and tumor growth and metastasis of breast cancer cells. The 6<sup>th</sup> Conference on The HSP90 Chaperone Machine, Les Diablerets, Switzerland.
27. T. Stivarou. D. Stellas, D. Vattis, E. Ventouras, D. Thomaidou and **E. Patsavoudi** (2015) Targeting highly expressed extracellular HSP90 in breast cancer stem cells, inhibits tumor growth in vitro and in vivo. International Conference Science in Technology, Athens, Greece

## ΕΛΛΗΝΙΚΑ ΣΥΝΕΔΡΙΑ

1. **E.Patsavoudi** and R. Matsas (1988). Neuron and myelin specific monoclonal antibodies to cell surface antigens. 30th Conference of the Hellenic Biochemical and Biophysical Society.
2. **E. Patsavoudi** and R. Matsas (1989). Monoclonal antibody BM89 recognizing a 41kD polypeptide in pig CNS. 5th Meeting of the Hellenic Society for Neuroscience.
3. D. Thomaidou and **E. Patsavoudi** (1991). Identification of two developmentally regulated antigens of the rat nervous system, by monoclonal antibodies 4C5 and 1C2. 35th Conference of the Hellenic Biochemical and Biophysical Society.
4. **E. Patsavoudi**, L. Probert, J. Keffer, S. Georgopoulos, H. Kaslaris, D. Kioussis and G. Kollias (1991). T-cell targeted TNF expression in transgenic mice: local and systemic modes of action. Evolution and Development: Thirty years after the Jacob-Monod paradigm, Hersonissos, Crete.
5. R. Matsas, **E. Patsavoudi**, E Merkouri and S. Thanos (1992). Novel cell, surface, molecules involved in neural development and regeneration. 7th Congress of the International Society of Greek Neuroscientists, Chania, Crete.
6. D. Thomaidou and **E. Patsavoudi** (1992). Neuronal migration in early postnatal rat cerebellum is disturbed by monoclonal antibody 4C5. IBRO Workshop on "Mechanisms of neuronal plasticity". Patras, Greece.
7. E. Boutou, A. Mamalaki, **E. Patsavoudi**, C. Hurel, E. Merkouri, S. Tzartos and R. Matsas (1992). Molecular studies, of BM88 antigen, a neuron specific surface molecule involved in neurite outgrowth. IBRO Workshop on neuronal plasticity". Patras, Greece.
8. R. Matsas, **E. Patsavoudi**, E. Merkouri, A. Mamalaki, E. Boutou, C. Hurel and S. Tzartos (1993). Cell-surface molecules in neural development regeneration. 40th Scientific Conference of the Hellenic Biochemical and Biophysical Society, Larissa, Greece.
9. D. Thomaidou and **E. Patsavoudi** (1993). Expression the 4C5 antigen during development and after injury of the rat sciatic nerve. 41th Scientific Conference of the Hellenic Biochemical and Biophysical Society, Athens.
10. E. Boutou, A. Mamalaki, C. Hurel, **E. Patsavoudi**, S. Tzartos and R. Matsas (1995). The BM88 antigen, a novel neuron-specific molecule, promotes the differentiation at mouse neuroblastoma cells. 42nd Scientific Conference of the Hellenic Biochemical and Biophysical Society, Athens.
11. E. Yfanti, I. Nagata and **E. Patsavoudi** (1997). Migration behavior of rodent granule neurons in the presence of antibody to the 4C5 antigen. 47<sup>th</sup> Scientific Conference of the Hellenic Biochemical and Biophysical Society, Athens.
12. Y. Koutmani, D. Thomaidou **E. Patsavoudi** and R. Matsas (2000) BM88 is a marker of proliferating neuroblasts in early differentiating cells. 15<sup>th</sup> Meeting of the Hellenic Society for Neuroscience ,Patras Greece

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14. Stellas D. and E. **Patsavoudi** (2005) Inhibition of melanoma cell invasion in vitro with mAb4C5 a new monoclonal antibody against heat shock protein HSP90 57<sup>th</sup> Meeting of the Hellenic Society of Biochemistry and Molecular Biology, Athens Greece
15. Sidera K and E. **Patsavoudi** (2005) Study of the role of surface HSP90 during cell migration. 57<sup>th</sup> Meeting of the Hellenic Society of Biochemistry and Molecular Biology Athens, Greece
16. Δ. Στέλλας, Γ. Παναγιώτου , Α.Καραμέρης και **Ε.Πατσαβούδη** (2005) Ταυτοποίηση της πρωτεΐνης που αναγνωρίζεται από το μονοκλωνικό αντίσωμα 4C5 και ανίχνευσή της σε όγκους του νευρικού συστήματος. Συνέδριο Αρχιμήδης , Αθήνα
17. Sidera K, Gaitanou M, Matsas R. and E. **Patsavoudi** (2006) Cell surface HSP90 interacts with the extracellular domain of HER-2 and mediates cancer cell invasion. 58<sup>th</sup> Meeting of the Hellenic Society of Biochemistry and Molecular Biology , Patras, Greece
18. Στέλλας Δ και **Πατσαβούδη Ε.** (2007) Το μονοκλωνικό αντίσωμα έναντι της HSP90, mAb 4C5, παρεμποδίζει τη μετάσταση B16F10 κυττάρων μελανώματος σε ποντίκια C57BL/6 . 3<sup>o</sup> Πανελλήνιο Διεταιρικό Αντικαρκινικό Συνέδριο