

PERSONAL INFORMATION **Panagiota Tsantili**

WORK EXPERIENCE

June 2009- Present

Assessor, Section of Biological Products, Evaluation Division

National Organization for Medicines (Greece)

Quality, Non-Clinical and Clinical assessor of biological products [Biologicals of recDNA origin, Neurotoxins, Blood products (Coagulation factors, Intravenous Immunoglobulins), Vaccines].

Scientific Board of approvals for Biological products (national applications): Scientific Secretary (October 2018-present)

Biosimilar Medicinal Products Working Party (BMWP)

Observer Appointment: October 2010 - present.

Biologics Working Party (BWP)

Alternate member: June 2014 - present.

October 2006-June 2009

Division of Medicines and Pharmacies

Ministry of Health and Social Solidarity (Greece)

Pharmacist, Section of Opioid Analgesics

September 2003-June 2005

Teaching position, (Associate Professor level)

Technological Educational Institute of Athens (TEI), Dept. of Medical Laboratories. (Greece)

Course in Biology

February 2000-November 2001

Post-Doctoral Research Fellow.

Massachusetts General Hospital-Harvard Medical School, Dept. of Surgery, Antibody Engineering Laboratory - Boston, MA (United States)

Refinement of recombinant antibody structure for immunotherapy. Insertional mutagenesis in CDR loops to modify the specificity of antidigoxin Fab fragments.

Identification of antigenic epitopes of Streptokinase (SK).

April 1998-January 2000

Post-Doctoral Research Fellow

Boston University School of Medicine, Section of Molecular Genetics, Cardiovascular Institute, Boston, MA (United States)

Structure-function analysis of the transcription activation domains of Hepatocyte Nuclear Factor 4

EDUCATION AND TRAINING

August 1993-April 1998

Ph.D. Degree

National & Kapodistrian University of Athens, Department of Biology (Greece)

Ph.D. thesis title: Recombinant Monoclonal Antibodies against the Acetylcholine Receptor .

Molecular mechanisms of autoimmunity, pathophysiology of Myasthenia Gravis, generation and

biological characterization of recombinant mAb fragments, structural analysis of mAbs for receptor binding, AChR receptor-mAb interactions

- July 1991-October 1992 **Research Assistant**
Aristotle University of Thessaloniki, Department of Chemistry, Section of Biochemistry. (Greece)
Project title: Establishment of Assay Conditions for Human Pancreatic Lipase.
Lipase activity determination, enzyme purification techniques.
- September 1987-July 1991 **Bachelor Degree in Pharmacy**
Aristotle University of Thessaloniki, Department of Pharmacy. (Greece)
- October 2012- **Training**
EMA, London (United Kingdom)
BMWP/BWP joint assessors training on assessment of similar biological medicinal products containing monoclonal antibodies
- October 2011- **Training**
National and Kapodistrian University of Athens, Dept. of Pharmacy, National Research Foundation, Athens (Greece)
Training School and workshop: Dendrimers as Composites of Advanced Drug Delivery nano Systems (aDDnSs): Biomedical Applications
- September 2011- **Training**
EMA, London (United Kingdom)
Blood Products Assessors training (BPWP)
Webinar
- April 2011- **Training**
EMA, London, UK (United Kingdom)
Assessors training on Advance Therapy Medicinal Products
- April 2011- **Training**
National Centre for Public Administration & Local Government (E.K.D.D.A.), Athens (Greece)
Common Assessment Framework: Total Quality Management Tool
- October 1995- **Training**
FEBS course, Varena (Italy)
FEBS "ADVANCED COURSE ON GENE THERAPY
- August 1994- **Training**
FEBS/NATO Summer School, Spetsai (Greece)
Advanced Study Course
MOLECULAR MECHANISMS OF TRANSCELLULAR SIGNALLING:
From the Membrane to the Gene.

ADDITIONAL INFORMATION

- Expertise** Quality, Non-clinical (in vitro) and clinical assessment of biologicals.
Immunology/Molecular mechanisms of Autoimmunity.

Generation, biological characterization and therapeutic applications of recombinant antibody fragments. Receptor-mAb interactions, Antibody specificity, antigenic epitopes.

Publications

1. Aggelidou E, Iordanidou P, Tsantili P, Papadopoulos G, Hadzopoulou-Cladaras M. Critical role of residues defining the ligand binding pocket in hepatocyte nuclear factor-4a (HNF-4a). *J Biol Chem*. 2004 Jul 16; 279 (29): 30680-8.
2. Parhami-Seren B, Seavey M, Krudysz J, Tsantili P. Structural correlates of a functional streptokinase antigenic epitope: serine 138 is an essential residue for antibody binding. *J Immunol Methods*. 2003 Jan 15;272(1-2):93-105.
3. Krykbaev RA, Tsantili P, Jeffrey PD, Margolies MN. Modifying specificity of antidigoxin antibodies using insertional mutagenesis. *Protein Sci*. 2002 Dec;11 (12):2899-908.
4. Hadzopoulou-Cladaras M, Aggelidou E, Iordanidou P, Tsantili P. Mutations in the ligand binding domain (LBD) of hepatocyte nuclear factor 4 alpha (HNF-4 alpha) affect transcriptional activation and coactivator interaction. *Circulation*, Nov. 5 2002;106 (19): 832 Supplement
5. Parhami-Seren B, Krudysz J, Tsantili P. Affinity panning of peptide libraries using anti-streptokinase monoclonal antibodies: selection of an inhibitor of plasmin(ogen) active site. *J Immunol Methods*. 2002 Sep 15;267(2):185.
6. Kardassis D, Falvey E, Tsantili P, Hadzopoulou-Cladaras M, Zannis V. Direct physical interactions between SP1 and HNF-4 mediate synergistic transactivation of the Apolipoprotein C III promoter. *Biochemistry*. 2002 Jan 29;41(4):1217-28.
7. Kistanova E, Dell H, Tsantili P, Falvey E, Cladaras C, Hadzopoulou-Cladaras M. The AF-1 domain of HNF-4 is an acidic activator that mediates interactions through bulky hydrophobic residues. *Biochem. J*, 2001;356:635-42.
- *8. Poulas K, Tsibri E, Kokla A, Papanastasiou D, Tsouloufis T, Marinou M, Tsantili P, Papapetropoulos T, Tzartos SJ. Epidemiology of myasthenia gravis in Greece. *J of Neurol Neurosurg Psychiatry* 2001;71:352-56.
9. Kardassis D, Falvey E, Tsantili P, Hadzopoulou-Cladaras M, Zannis V. Direct physical interactions between SP1 and HNF-4 mediate synergistic transactivation of the Apolipoprotein CIII promoter. *Circulation*, Oct 31 2000; 102 (18): 1440 Supplement
10. Kontou M, Leonidas DD, Vatzaki EH, Tsantili P, Mamalaki A, Oikonomakos NG, Acharya KR, Tzartos SJ. The crystal structure of the Fab fragment of a rat monoclonal antibody against the main immunogenic region of the human muscle acetylcholine receptor. *Eur J Biochem*. 2000;267(8):2389-97.
11. Poulas K, Tsibri E, Papanastasiou D, Tsouloufis T, Marinou M, Tsantili P, Papapetropoulos T, Tzartos SJ. Equal male and female incidence of myasthenia gravis. *Neurology*. 2000;54(5):1202-3.
12. Tsantili P, Tzartos SJ, Mamalaki A. High affinity antibody fragments protecting the human nicotinic acetylcholine receptor. *J. Neuroimmunol* 1999;94:15-28.
13. Tzartos SJ, Barkas T, Cung MT, Mamalaki A, Marraud M, Orlewski P, Papanastasiou D, Sakarellos C, Sakarellos-Daitsiotis M, Tsantili P, Tsikaris V. Anatomy of the antigenic structure of a large membrane autoantigen, the muscle-type nicotinic acetylcholine receptor. *Immunol Rev*. 1998 Jun;163:89-120
14. Tzartos SJ, Tsantili P, Papanastasiou D, Mamalaki A. Construction of single-chain Fv fragments of anti-MIR monoclonal antibodies. *Ann N Y Acad Sci*. 1998;841:475-7.
15. Tsantili P., Mamalaki A. and Tzartos S Construction of a single chain Fv antibody (scFv195) fragment against the human Acetylcholine receptor. Contribution of light chain amino acid residues in receptor recognition. *Immunology Letters* 1997 ay; 56 (Part 2).
16. Tzartos SJ, Cung MT, Mamalaki A, Marraud M, Papanastasiou D, Sakarellos C, Sakarellos-Daitsiotis M, Tsantili P. Antigenic structure of the muscle nicotinic acetylcholine receptor. *Ann Med Interne*. 1996, 147(6):442-6
17. Arzoglou P, Goudoula C, Tsantili P, Lessinger JM, Ferard G, Mignot V, Samyn N, Demeester J, Lauwers A, Brettschneider H, et al. Transferability of lipase titrimetric assays: deductions from an interlaboratory study. *Eur J Clin Chem Clin Biochem* 1994;32(10):773-7

* Authors of the manuscript are recipients of Honorary Award from National and Kapodistrian University of Athens.

Projects

Memberships

Other Relevant Information

LANGUAGES:

GREEK (Mother Tongue)

OTHER LANGUAGES:

ENGLISH Excellent (reading, writing and verbal skills)