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## PERSONAL INFORMATION

Name - Surname: **Ekaterini (Katerina) TILIGADA**  
Date of birth: August 5, 1963  
Place of birth: Athens, Greece  
Work Address: Laboratory of Pharmacology  
Faculty of Medicine  
National & Kapodistrian University of Athens (NKUA)  
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Email: [aityliga@med.uoa.gr](mailto:aityliga@med.uoa.gr)  
CURRENT POSITION: Associate Professor of Experimental Pharmacology  
Faculty of Medicine, NKUA, Athens, Greece

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## EDUCATION

- 1989 Doctor of Philosophy (PhD), Department of Pharmacology and Therapeutics, University of Wales College of Medicine, Cardiff, UK
- 1986 Bachelor of Science (BSc) in Biochemistry, University of Wales University College Cardiff, UK - Option: Medical Biochemistry
- 1981 High school diploma, St Joseph Franco Hellenic School, Athens, Greece

### Postgraduate training - Seminars - Continuing Education

- 2015 'Laboratory Animals in Biomedical Research: Theory and Practice' LAS-RIIP Regional Course, Hellenic Pasteur Institute, Athens, Greece, 18-22.5.2015 (in compliance with the Directive 2010/63/EU Core modules)
- 2010 'Advanced Science Communication Training Course' COST & Ecsite, The Arctic Centre, Rovaniemi, Finland, 19-20.5.2010
- 2009 'Leadership Skills for Women Workshop' British Pharmacological Society, Barts & The London Medical School, London, UK, 4.6.2009
- 2007 Visiting scientist, Department of Medicine, Division of Hematology and Medical Oncology, Cornell University, New York, USA, 2.11.2007
- 2006 Visiting scientist, TrichoTech<sup>®</sup>, UK (drug testing in hair, Reg No 3276164), 4.2006
- 1998 'Introduction to Molecular Pharmacology' Department for Continuing Education, University of Oxford, UK, 27-28.4.1998
- 1997 Visiting scientist, Laboratory of Organic Chemistry, University of Valencia, Spain, 1-5.9.1997
- 1993 'Basic and Specialized Techniques in Cell Biology', Institute of Medical Biochemistry & Danish Centre for Human Genome Research, Aarhus University, Denmark, Head: Professor Julio Celis, 14-23.6.1993
- 1988 Laboratoire d'Endocrinologie Moléculaire, CNRS 650, Unité Alliée à l'INSERM, Université de Rouen, France, Head: Professor Hubert Vaudry, 15.4-15.7.1988

### Grants & Fellowships

- 1993 *Federation of the European Biochemical Societies (FEBS)*, postgraduate training programme of the Institute of Medical Biochemistry and Danish Centre for Human Genome Research Aarhus University, Denmark
- 1988 *Université de Rouen & Clinical Endocrinology Trust*, UK, postgraduate training on the Laboratoire d' Endocrinologie Moléculaire CNRS650/INSERM, France
- 1986-1989 *University of Wales College of Medicine*, UK, Postgraduate grant for pursuing PhD studies
- 1984-1986 *GH Latham studentship*, University of Wales, UK, during the undergraduate studies

### Languages

- Greek native language
- English fluently [General Certificate of Education (GCE) Ordinary 'O' level: English language, Associated Examining Board, UK, 1982]
- French fluently [Diplôme d' Études Françaises, 2<sup>ème</sup> degré, Université de Paris SORBONNE, 1981 – license to teach French, Greek Ministry of Education Δ5/1914/10.6.83]
- German adequately [Zertifikat, Goethe Institut, Athens, Greece, 1990]

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## **ACADEMIC POSITIONS**

- 2008-to date Associate Professor of Experimental Pharmacology, Faculty of Medicine, National and Kapodistrian University of Athens, Greece (full time)
- 2011- to date Co-appointment in the Allergy unit 'D. Kalogeromitros', 2nd Department of Dermatology, ATTIKON General University Hospital, Athens, Greece – Coordinator of the *Research Laboratory of Drug Allergy & Pharmacological Modification of Hypersensitivity Reactions*
- 1999-2008 Assistant Professor of Experimental Pharmacology, Faculty of Medicine, National and Kapodistrian University of Athens, Greece (full time)
- 1991-1998 Lecturer in Experimental Pharmacology, Faculty of Medicine, National and Kapodistrian University of Athens, Greece (full time)
- 1986-1989 Demonstrator, Department of Pharmacology & Therapeutics, University of Wales College of Medicine, Cardiff, UK

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## **TEACHING EXPERIENCE**

### Academic lectures

#### UNDERGRADUATE COURSES

- 2016-to date Course coordinator, including teaching and assessment, "Pharmacology I" & "Pharmacology II" (5<sup>th</sup> & 6<sup>th</sup> semesters) for Dental students, Department of Dentistry, NKUA, Athens, Greece
- 1991-to date Lectures on various topics, "Pharmacology I" and "Pharmacology II" courses, Faculty of Medicine, NKUA, Athens, Greece
- 2013-to date Lectures, undergraduate university "Dermatology" course, 2nd Department of Dermatology, Faculty of Medicine, NKUA, Athens, Greece

- 2014-to date Lectures, "Oral Surgery I" course, Faculty of Dentistry, NKUA, Athens, Greece
- 1998-2010 Lectures, optional course "Environmental Pharmacology", Laboratory of Pharmacology, Faculty of Medicine, NKUA, Athens, Greece
- 1993-2005 Lectures, optional course "Elements of Molecular Pharmacology", Laboratory of Pharmacology, Faculty of Medicine, NKUA, Athens, Greece (2003-2005: course coordinator)
- 1986-1989 Pharmacology practical classes, University of Wales College of Medicine, Cardiff, UK

#### POSTGRADUATE STUDIES

- 2016-to date Postgraduate Studies Programme "Current diagnostics in dermatology and allergology", Faculty of Medicine, NKUA, Athens, Greece, Coordinator: Professor D. Rigopoulos
- 2014-to date Lectures, Postgraduate Studies Programme "Clinical Pharmacology in Dentistry", Faculty of Dentistry, NKUA, Athens, Greece, Coordinator: Assistant Professor F. Tzermpos
- 2009-to date Lectures, Postgraduate Studies Programme "Applications of Biology in Medicine", Faculties of Biology & Medicine, NKUA, Athens, Greece, Coordinator: Professor I. Papisideri (2012 – to date: Pharmacology course coordinator)
- 2005-to date Lectures, Postgraduate Studies Programme "ICU-Cardiology Therapy", Faculty of Medicine, NKUA, Athens, Greece, Coordinator: Professor D. Tousoulis
- 1999-2000 Lectures, Postgraduate Programme "Clinical and Laboratory Medicine", Faculty of Medicine, NKUA, Athens, Greece
- 1997-1998 Lectures, Postgraduate Programme "Applications of Biology in Medicine", Faculties of Biology & Medicine, NKUA, Athens, Greece
- 1994-1995 Lectures, Postgraduate Programme "Clinical Pharmacy» Faculty of Pharmacy, NKUA, Athens, Greece
- 1993-1994 Postgraduate Programmes in Pharnacology, Faculty of Dentistry, NKUA, Athens, Greece

#### Medical residency programs – Continuing education – Seminars

- 2015 Seminar 'The psychopharmacology of psychosis', Janssen - Cilag Pharmaceutical SACI, Athens, Greece
- 2013-to date Lectures to clinical registrars in 'Dermatology' and in 'Allergology, 2nd Department of Dermatology, ATTIKON General University Hospital, Athens, Greece
- 2013 'Pharmacoepidemiology', Pharmaceutical Medicine Modules, ΣfEE, Athens, Greece
- 2012 Continuing education seminar for health scientists 'Pharmacovigilence', ΣfEE, Αθήνα Athens, Greece
- 2009 10th Cycle of «Alkyonides Days of Nephrology - Continuing medical education», Kamena Vourla, Greece

- 2002 Training programme, Menarini Hellas, Athens, Greece  
 1995 Training programme, Schering-Plough, Athens, Greece  
 1993-1994 1st seminar cycle, Institute of Pharmaceutical Research & Technology, Athens, Greece

#### European Training Schools

- 2014 '*In vivo* models to study mast cells in ocular pharmacology', EU COST BM1007 Training School «The search for mast cell and basophil models – Are we getting closer to pathophysiological relevance?» Jerusalem, Israel, 19-21.1.2014  
 2013 '*In vivo* ocular and arthritis models in systemic inflammation', EU COST BM0806 Training School «Pharmacological models of inflammatory and immunological disorders», Dublin, Ireland, 30.1-1.2.2013  
 2012 'Interactions and functional properties of histamine receptors: from mast cells to neurons', EU COST BM0806 Training School «Methodological strategies for histamine receptor characterisation», Itea, Greece, 26-28.7.2012

#### Postgraduate Diploma (MSc)

1. 'Hypersensitivity reactions to nonsteroidal anti-inflammatory drugs (NSAIDs): Allergological approach and evaluation of clinical data', **Flora Strikou**, Biologist, Postgraduate Studies Programme "Applications of Biology in Medicine", Faculties of Biology & Medicine, NKUA, Athens, Greece (2016-to date)
2. 'Pharmacological investigation of the cellular mechanisms of growth and ageing in *Saccharomyces cerevisiae*', **Maria Kakolyri**, Molecular Biologist-Geneticist, Postgraduate Studies Programme "Applications of Biology in Medicine", Faculties of Biology & Medicine, NKUA, Athens, Greece (2013-2014)
3. 'Behavioural and neurochemical study of gender difference during the development of the optic system in experimental animals', **Dimitrios Bessinis**, Physician, Postgraduate Studies Programme "Molecular Medicine", Faculty of Medicine, NKUA, Athens, Greece (Supervisor: Professor Z. Papadopoulou-Daifoti) (2008-2009)
4. 'Adaptive mechanisms to oxidative and thermal stress in *S. cerevisiae*: effect of antioxidants', **Eugenia Giannakopoulou**, Surgeon, Postgraduate Studies Programme "Applications of Biology in Medicine", Faculties of Biology & Medicine, NKUA, Athens, Greece (2003-2005)
5. 'The role of nitric oxide in ocular allergic and inflammatory conditions', **Miltiadis Papathanassiou**, Ophthalmologist, Postgraduate Studies Programme "Clinical and Laboratory Medicine", Faculty of Medicine, NKUA, Athens, Greece (2000-2001)

#### Doctoral theses (PhD)

1. 'Molecular and cellular immune mechanisms underlying the hypersensitivity reactions to NSAIDs: *Ex vivo* investigation in human peripheral blood', **Maria Kakolyri**, Molecular Biologist-Geneticist (2016-to date)
2. 'Chemical environmental factors and cellular response: pharmacological and epigenetic approach', **Aikaterini Margaritou**, Chemist (2013-to date)

3. 'Quality of life markers in patients with chronic urticaria', **Ioanna Koti**, Allergist [BETHANIEN KRANKENHAUS SOLINGEN, Germany] (2011-to date)
4. 'Clinical phenotype and diagnosis of mastocytosis in Greek adult and children populations', **Aggeliki Sideri**, Allergist [Clinical Assistant Professor, University of Alberta, Canada] (2011-to date)
5. 'Recording and monitoring of bee venom sensitisation and allergy in Greek beekeepers', **Aikaterini Chliva**, Allergist [Consultant, ΑΤΤΙΚΟΝ General University Hospital, Athens, Greece] (2011-2015)
6. 'Growth mechanisms and treatment of choroidal neovascularization in the eyes with macular pathological substrate', in collaboration with the 1<sup>st</sup> Department of Ophthalmology NKUA, **Dimitrios Ladas**, Ophthalmologist [Medical Retina Fellow, MOORFIELDS EYE HOSPITAL, London, UK] (2008-2015)
7. 'Inflammatory response in experimental blood vessel surgery in physiological and modified conditions: Pharmacological & molecular approach', **Konstantinos Kyriakidis**, Vascular Surgeon [Consultant, COLCHESTER HOSPITAL UNIVERSITY FOUNDATION TRUST, UK] (2006-2013)
8. 'Computational approach of drug targets', **Sotirios Pantos**, Mathematician [High school teacher, Athens, Greece] (2004-2009)
9. 'Immunopharmacological investigation of the interaction between histamine and cytokines in physiological and pathological conditions', **Evangelia Zampeli**, Physician [Resistrar in Rheumatology, ΛΑΙΚΟ General Hospital, Athens, Greece] (2004-2009)
10. 'Effect of drugs on the stationary phase of the cell cycle in yeast', **Vassilios Delitheos**, Molecular Biologist-Genetisist [Regional Medical Liaison, AMGEN HELLAS, Athens, Greece] (2003-2011)
11. 'Investigation of the neuro-immuno-pharmacological role of histamine in the hypothalamus', **Sotirios Kakavas**, Pharmacist – Physician [Resistrar in Pneumonology, ΕΥΑΓΓΕΛΙΣΜΟΣ General Hospital, Athens, Greece] (2001-2007)
12. 'Investigation of the mechanisms of cellular stress upon administration of chemotherapeutic agents and modulators of hypersensitivity reactions', **Konstantinos Papamichael**, Gastreenterologist [Postdoctoral Research Fellow, HARVARD MEDICAL SCHOOL, USA] (2000-2007)
13. 'Pharmacological study of the role of nitric oxide (NO) as mediator in the pathogenesis of ocular hypersensitivity reactions', **Miltiadis Papathanassiou**, Ophthalmologist [Consultant, ΑΤΤΙΚΟΝ General University Hospital, Athens, Greece] (1999-2003)
14. 'Study of pharmacologically active agents on the histamine levels of the conjunctiva', **Vassiliki Giannoulaki**, Pharmacist [ΠΑΜΜΑΚΑΡΙΣΤΟΣ Hospital, Athens, Greece] (1998-2003)
15. 'Effect of immunomodulatory and antineoplastic agents on blood lymphocyte blastogenesis', **Fotios Michelis**, Pharmacist – Heamatologist [Clinical Assistant Professor, Canada] (1998-2003)

16. 'Stress response in biological specimens (*Saccharomyces cerevisiae*) upon administration of pharmacologically active substances', **Ioanna Vovou**, Biologist [Director Regional, MSD, Athens, Greece] (1997-2004)
17. 'Effect of anticancer agents on the cell cycle of eukaryotic cells', **Elias Stavriniadis**, Oncologist [retired Head Consultant, AGIOS SAVVAS Hospital, Athens, Greece] (1995-1999)
18. 'Investigation of the actions of pharmacologically active agents under stress conditions in eukaryotic cells', **Vassilios Miligkos**, Pharmacist – Pediatrician [Pallini, Greece] (1995-1999)
19. 'Drugs and ocular allergic disorders', **Dimitrios Aslanis**, Ophthalmologist [Head Consultant, ASKLIPIEIO Hospital, Voula, Athens, Greece] (1995-1998)
20. 'Mechanisms of resistance to antineoplastic agents in eukaryotic cell cultures', **Paraskevi Giannakakou**, Pharmacist [Associate Professor, WEILL CORNELL MEDICAL COLLEGE, NY, USA] (1992-1997)

#### Postdoctoral fellows

1. 'Investigation of the role of salicylates in preconditioning during oxidative stress', **Eugenia Giannakopoulou**, Surgeon, State Scholarships Foundation-IKY (2005-2007)
2. 'Determination of inflammatory mediators in organs of the gastrointestinal tract under pathological conditions', **Konstantinos Papamichael**, Gastroenterologist, State Scholarships Foundation-IKY (2009-2010)

#### Laboratory training of undergraduate and postgraduate students and fellows

- 'Basal serum histamine levels in healthy volunteers and in atopic and non-atopic allergic patients', **Marek Grosicki**, PhD student, JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE, Krakow, POLAND, EU COST-STSM-BM1007-190115-054764 (20.1-17.2.2015)
- 'Pharmacological investigation of the histaminergic system in inflammatory disorders', **Themistoklis Vasilopoulos**, **Angelliki Enangelou** (3.2012-6.2012), **Ioannis Evaggelakos**, **Alexia-Maria Orfanidou** (10.2011-1.2012), Undergraduate Biology Students, National Strategic Reference Framework 2007–2013 «Practice of Higher Education students of the NKUA»
- '*In vivo* characterization of H<sub>4</sub>R ligands in models of experimental conjunctivitis and arthritis', **Miriam Walter**, PhD student, GOETHE UNIVERSITY FRANKFURT, GERMANY, EU COST-STSM-BM0806-270611-008226 (27.6-1.7.2011)
- 'Pharmacological role of the histamine H<sub>4</sub> receptor in immunoregulation', **Katerina Martinkova**, Medical student, MASARYK UNIVERSITY SCHOOL OF MEDICINE, CZECH REPUBLIC, International Federation of Medical Students' Associations (1-30.6.2011)
- 'Effect of the H<sub>4</sub>R antagonist on the cartilaginous, vascular and esophageal histamine content in rats with adjuvant arthritis', **Simona Rajtar**, Assistant, UNIVERSITY OF LJUBLJANA, SLOVENIA, EU COST-STSM-BM0806-005668 (1.2010)
- 'Investigation of the role of histamine in the brain', **Vassilios Stavriniadis**, Medical student NKUA (3.2003-6.2004)
- 'Investigation of the immunomodulatory role of histamine in the rat eye', **Emy Zervoudi**, Ophthalmologist (3.2003-5.2004)

- 'Literature review: allergic reactions', **Artemios Artemiadis**, Medical student NKUA (2.2002-12.2003)
- 'Investigation of peripheral blood lymphocyte activation in patients with thyroid disorders', **Garyphalia Papaioannou**, Medical student NKUA (10.2001-10.2004)
- 'Investigation of mechanisms underlying the cellular stress response in *S. cerevisiae*', **Georgios Antonogeorgos** (3.2000-1.2002), **Konstantinos Papamichael**, **Efthimios Ypsilantis** (3.1996-6.1999), Medical students NKUA

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## MANAGEMENT AND ADMINISTRATIVE EXPERIENCE

### Organization of research groups and laboratories

In 1994-1995, I initiated the establishment of the Immunopharmacology research group in the Laboratory of Pharmacology of the Medical School of the NKUA, under the guidance of the late Professor D. Varonos and of the Associate Professor A. Delitheos. To date, I coordinate the funding, organization, management and advancement of the infrastructure and of the scientific research pursued by this group. The experimental models and the methodologies that are constantly being developed in the laboratory serve the training and the research activities of both undergraduate and postgraduate (MSc, PhD) students of the Department and contribute to the considerable scientific recognition of the group.

In 2011, a joint initiative with the late Associate Professor D. Kalogeromitros led to the establishment of the 'Research Laboratory of Drug Allergy and Pharmacological Modification of Hypersensitivity Reactions' in the Allergy Unit 'D. Kalogeromitros' of the 2nd Department of Dermatology at ΑΤΤΙΚΟΝ General University Hospital, which I coordinate to date. The main objective of the laboratory is the diagnostic, prognostic and basic research approach of drug allergy and hypersensitivity reactions in general.

### Coordination and/or participation in national and European committees

#### MANAGEMENT COMMITTEES OF EUROPEAN SCIENTIFIC PROGRAMMES

- 2014-to date Management Committee member and Working Group co-Leader, COST Action FA1404: *Improving current understanding and research for sustainable control of the poultry red mite Dermanyssus gallinae (COREMI)*, EU Framework Programme **Horizon 2020** (Chair: O. Sparagano, UK) [www.cost.eu/COST\\_Actions/fa/Actions/FA1404](http://www.cost.eu/COST_Actions/fa/Actions/FA1404)
- 2011-2015 Management Committee member, COST Action BM1007: *Mast cells and basophils - Targets for innovative therapies*, European COoperation in Science and Technology, EU Framework Programme **FP7** (Chair: M. Maurer, DE) [www.cost.eu/COST\\_Actions/bmbs/Actions/BM1007](http://www.cost.eu/COST_Actions/bmbs/Actions/BM1007)
- 2008-2013 Chair, COST Action BM0806: *Recent advances in histamine receptor H<sub>4</sub>R research*, European COoperation in Science and Technology, EU Framework Programme **FP7** [www.cost.eu/COST\\_Actions/bmbs/Actions/BM0806](http://www.cost.eu/COST_Actions/bmbs/Actions/BM0806)
- 2007-2009 **School Ambassador**, EU Framework Programme **FP6** Women and Science «SET-Routes» (EMBL, EMBO, CERN) [www.set-routes.org](http://www.set-routes.org)

## EUROPEAN MEDICINES AGENCY (EMA)

2014-to date Observer in the *Rheumatology-Immunology Working Party* (RIWP) of the EMA, London, UK

## IUPHAR/BPS GUIDE TO PHARMACOLOGY

2016-to date NC-IUPHAR Corresponding Member  
[www.guidetopharmacology.org/nciuphar.jsp](http://www.guidetopharmacology.org/nciuphar.jsp)

## CHAIR OF THE RESEARCH PROTOCOL EVALUATION COMMITTEE

2016-to date Animal house facilities EL 25 BIO 10, Laboratory of Pharmacology, Medical School, NKUA, Greece [<https://diavgeia.gov.gr/search>]

## EVALUATOR OF RESEARCH PROGRAMMES

## GREEK PROGRAMMES

2016 Rapporteur, Research Program ARISTEIA II, General Secretariat for Research & Technology, Greece

2013 Greek-German Collaboration, General Secretariat for Research & Technology, Greece

2011 Evaluation of candidates for MSc studies abroad (Pharmacology), State Scholarship Foundation-IKY

2010 Greek-Hungarian Collaboration, Biosciences domain, General Secretariat for Research & Technology, Greece

2008 Programme for postdoctoral research in Greece, State Scholarship Foundation-IKY,

2007 Member of the Evaluators Board 'Incentives for private investments for economic development and regional convergence', General Secretariat for Research and Technology, Greece

2004 EPAN 'International cooperation in industrial research and development activities in a pre-competitive phase – 2003', General Secretariat for Research and Technology, Greece

## EUROPEAN PROGRAMMES

2017 External Expert, Open Call OC-2016-2, COST, Brussels, Belgium

2016-2017 Expert Evaluator, European Commission Health Research call topic 'New Therapies for Rare Diseases' SC1-PM-08-2017, Brussels, Belgium

2015-to date Rapporteur, COST Biomedicine & Molecular Biosciences (BMBS) Domain, Brussels, Belgium

2014-to date Expert Evaluator, Horizon 2020 'Marie Skłodowska-Curie fellowships' (H2020-MSCA-IF), Brussels, Belgium

2014-2015 Expert Evaluator, Horizon 2020 'Personalising health and care' (H2020-PHC14-2015: New therapies for rare diseases), Brussels, Belgium

2012-to date Expert reviewer, National Science Centre, Poland

2010-2013 Evaluator, FP7 'Marie Curie Career Integration Grants' (FP7-PEOPLE-CIG) & 'Marie Curie Individual fellowships' (FP7-PEOPLE-IXF), Brussels, Belgium

2010 External Expert, COST Biomedicine & Molecular Biosciences (BMBS) Domain, Brussels, Belgium



2007 External Evaluator, Sheffield Hospitals Charitable Trust Medical Research Committee, UK

### Member of scientific societies

#### GREEK SOCIETIES

1. Greek Pharmacological Society - ΕΕΦ (1999-to date)
2. Hellenic Society of Biochemistry & Molecular Biology - HSBMB (1991-to date)

#### INTERNATIONAL SOCIETIES

3. International Union of Pharmacology (IUPHAR) Immunopharmacology Section - *ImmuPhar* (2012-to date)
  - Treasurer (2012-to date)
  - <http://iuphar.us/index.php/sections-subcoms/immunopharmacology/governance>
4. European Histamine Research Society (EHRS) (2001-to date)
  - Council Officer (2006-2009 & 2015-to date)
  - <http://www.ehrs.org.uk/the-society/officers-of-the-society/>
  - Member of the *ad hoc* EHRS Committee for the publication of proceedings in *Inflamm Res* Springer (2009-2010)
5. British Pharmacological Society (BPS) (1992-to date)
6. British Association for Cancer Research (BACR) (1994-1999)
7. Institute of Biology (UK), Chartered Biologist (2776237) (1989-1996)
8. Society for Endocrinology (UK) (1989-1993)

### Scientific meetings

- Chairperson or member of the Organizing Committee of 10 international conferences
- Member of the Scientific Committee and/or Abstract & Award Committees in 22 conferences (11 Greek, 11 international)
- Session Chair in 23 conferences (5 Greek and 18 international)
- Participation in 6 European discussion panels
- Invited lectures in 68 conferences and meetings (29 Greek, 20 international, 6 public, 13 other)

### Editorial board member

- 2017 **Histamine Receptors as Drug Targets**, Ekaterini Tiligada and Madeleine Ennis (eds.), *Methods in Pharmacology and Toxicology*, Springer Science+Business Media LLC, NY, USA. DOI 10.1007/978-1-4939-6843-5\_1 (*in press*)
- 2016 Editor, Virtual Special Issue 'The challenge of histamine and histamine receptor pharmacology and therapeutics in the 21st century', **Pharmacological Research** (IF<sup>15</sup> 4.816), Elsevier B.V. <http://www.sciencedirect.com/science/journal/10436618/vsi/10VGC8T9T7S>
- 2015-to date Editorial Board, **British Journal of Pharmacology** [(IF<sup>14</sup> 4.842) Online ISSN: 1476-5381, Wiley, London, UK <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291476-5381>
- 2015-to date Editorial Board, **Biomedical Data Journal** (BMDJ) [open access, ISSN 2367-5322, e-ISSN 2367-6477] <http://www.biomed-data.eu/content/about-journal>

- 2013-to date Member of the editorial board, Newsletter of the Greek Pharmacological Society, Athens, Greece
- 2012-to date Scientific Committee Member, Medical Journal of the Armed Forces, Athens, Greece
- 2011-to date Managing Editor, **Frontiers in Bioscience** (IF<sup>14</sup> 3.523), Irvine, CA, USA [www.bioscience.org/special-issue-details?editor\\_id=217](http://www.bioscience.org/special-issue-details?editor_id=217)
- 2007 Editing team member, Greek edition of 'Atlas of basic medical sciences', F. Netter, Volume V Pharmacology, PX Pashalidis, Athens, Greece
- 2006 Guest Editor, Theme Issue 'Trends in Inflammation – Leads in Immunopharmacology', **Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry**, Bentham Science Publishers, United Arab Emirates DOI 10.2174/187152306778772810

AD HOC REVIEWER IN > 20 SCIENTIFIC JOURNALS

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## RESEARCH EXPERIENCE

My research activities have been/are conducted in the following laboratories:

- Laboratory of Pharmacology, Faculty of Medicine, National & Kapodistrian University of Athens (1990-to date)
- Allergy unit 'D. Kalogeromitros', 2nd Department of Dermatology, ΑΤΤΙΚΟΝ General University Hospital, Athens, Greece (2011-to date)
- Laboratoire d' Endocrinologie Moléculaire-Université de Rouen CNRS650 / INSERM, Γαλλία (1988)
- Department of Pharmacology and Therapeutics, University of Wales College of Medicine, Cardiff, UK (1986-1989)
- Department of Medical Biochemistry, University of Wales College of Medicine, Cardiff, UK (1985-1986)

The main research areas are:

- **Immunopharmacology** (1994-to date): *Pharmacological investigation pertaining to the basic understanding of inflammatory processes, with particular interest in the role of histamine and the cytokine interplay in immune, hypersensitivity and inflammatory responses under normal and pathological conditions. The ultimate endeavour is to identify and evaluate potential diagnostic, prognostic and therapeutic tools for inflammatory disorders.* These studies are conducted in *in vivo* models of human diseases, such as experimental arthritis and ocular inflammation in the rat, human biological fluids (saliva, tears, peripheral blood, serum, plasma, etc), and primary cell cultures of immune cells (lymphocytes, mast cells). The assays include quantification of histamine (extraction, fluorophotometry), nitric oxide (spectrophotometry) and cytokines (ELISA) in various tissues (conjunctiva, hypothalamus, optic nerve, cartilage, peripheral vessels, blood, etc).
- **Pharmacological stress** (1990-to date): Investigation of the cellular adaptive and protective responses against pharmacologically active substances and environmental stimuli under physiological and modified conditions. The studies are conducted using the monocellular eukaryote *Saccharomyces cerevisiae* as an experimental model for the

investigation of the pharmacological properties of various compounds, the cellular stress response and ageing.

- **Neuropharmacology** (1986-1990): The peptidergic transmission was investigated in the hypothalamus by determining alpha-MSH in superfusates of rat brain slices using radioimmunoassay (RIA), electron microscopy and high performance liquid chromatography (HPLC).
- **Biochemical approach of cystic fibrosis** (1986-1990): Calmodulin activity was investigated in buccal epithelial cells from patients with cystic fibrosis following isolation and biochemical determination of cAMP phosphodiesterase.

### Scientific – research projects

#### NATIONAL PROGRAMS

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|--------------------|--|
| 2009-2013          | The immunopharmacological role of histamine in the inflammatory response, 'KAPODISTRIAS' NKUA, Greece [70/4/5900]  |
| 2008-2009          | Inflammatory mediators in the GI tract under pathological conditions, STATE SCHOLARSHIPS FOUNDATION-IKY, Greece [15841/02.12.2008]   |
| 2005-2013          | Development of methodology for the determination of cytokines in tissues and biological fluids under physiological and pathological conditions, HELLENIC MINISTRY OF HEALTH, Greece [70/3/8309]  |
| 2005-2007          | The immunopharmacological role of histamine in the rat eye under physiological and pathological conditions, 'KAPODISTRIAS' NKUA, Greece [70/4/5900]  |
| 2005-2007          | The role of salicylates in preconditioning during oxidative stress, STATE SCHOLARSHIPS FOUNDATION-IKY, Greece [15109/07.10.2005]   |
| 2004-2007          | The neuroimmunopharmacological role of histamine in the hypothalamus, 'Herakleitos' HELLENIC MINISTRY OF EDUCATION, Greece [70/3/7208]   |
| 2004               | Determination of interleukins in type I hypersensitivity reactions, EMPEIRIKEION FOUNDATION, Greece  |
| 2003               | Investigation of the role of nitric oxide (NO) in ocular hypersensitivity reactions, 'KAPODISTRIAS' NKUA [70/4/5900]   |
| 2001               | Assay development for nitric oxide (NO) determination in the rat eye, KAPODISTRIAS' NKUA [70/4/5900]   |
| 2000               | Network of "Environmental estrogens and their effects in human health and disease", General Secretariat of Research and Development, Ministry of Development, Greece (Coordinator P. Moutsatsou) |
| 1998,<br>2002-2003 | Changes in histamine levels in the rat conjunctiva following administration of various drugs, Development of histamine quantification in the rat brain, Faculty of Medicine NKUA, Greece         |
| 1999               | Effect of immunoregulatory and antineoplastic agents in lymphocyte blastogenesis, Research Committee, NKUA, Greece [70/4/2590] (Coordinator A. Delitheos)  |
| 1999               | Allergic reactions in the rat eye, CENTRAL HEALTH COUNCIL (KESY) Hellenic Ministry of Health, Greece [70/3/4588]   |
| 1999, 2001         | Effects of pharmacologically active agents in the stress response in S.  |

- 2004-2005 *cerevisiae*, Faculty of Medicine NKUA, Greece
- 1997-1998 Development of methodology for the investigation of ocular allergic reactions in the rat, Research Committee, NKUA, Greece [70/4/3571]
- 1996 New indole-containing compounds with antimicrobial, antifungal and CNS effects, PENED General Secretary of Research & Technology, Greece [70/3/2742] (Coordinator Th. Siatra-Papastaikoudi)
- 1994 Effects of calcium channel blockers in the action of antineoplastic agents, CENTRAL HEALTH COUNCIL (KESY), Hellenic Ministry of Health, Greece [70/3/1667]
- 1994 Ion channel involvement in the action of antineoplastic agents, Research Committee, NKUA, Greece [70/4/1738]
- 1992-1997 Effect of antineoplastic agents on the morphology and cell cycle of *S. cerevisiae*, Effect of ion channel functional alterations in the action of antineoplastic agents, Faculty of Medicine NKUA, Greece

#### INTERNATIONAL PROGRAMS

- 2014-to date COST Action FA1404: Improving current understanding and research for sustainable control of the poultry red mite *Dermanyssus gallinae* (COREMI), European Cooperation in Science and Technology, EU Framework Programme Horizon 2020 (Coordinator O. Sparagano, UK)
- 2012-2015 Implementation of the basophil histamine release (HR) technique [non-profit external investigation] (Coordinators PS Skov, Denmark & E. Tiligada, Greece)
- 2011-2015 COST BM1007: Mast Cells and basophils - Targets for innovative therapies, European Cooperation in the field of Scientific & Technical Research, EU RTD Framework Programme FP7 (Coordinator M. Maurer, Germany)
- 2010-2015 Pharmacological evaluation of novel H<sub>4</sub>R ligands [non-profit investigation] (Coordinators H. Stark, Germany & E. Tiligada, Greece)
- 2009-2013 Effects of the histamine H<sub>3</sub> receptor on the histamine content of peripheral and central tissues in a rat model of experimental arthritis [non-profit external (non-clinical) investigation] GlaxoSmithKline R&D Ltd, UK (Coordinators AD Medhurst, UK & E. Tiligada, Greece)
- 2008-2013 COST BM0806: Recent advances in histamine receptor H<sub>4</sub>R research, European Cooperation in the field of Scientific and Technical Research, EU RTD Framework Programme FP7 (Coordinator E. Tiligada, Greece)
- 2004-2012 Pharmacological investigation of the H<sub>4</sub> receptor antagonist JNJ7777120 Johnson & Johnson Pharmaceutical, Research & Development, San Diego, USA (Coordinators RL Thurmond USA & E. Tiligada, Greece)
- 1988 CNRS650/INSERM, Université de Rouen (Coordinators H. Voudry & S. Jegou, France)
- 1986-1989 Control of alpha-MSH release from the arcuate nucleus of the rat, University of Wales College of Medicine, Cardiff, UK (Coordinator JF Wilson, UK)

## PUBLICATIONS

### Peer-review publications in international journals of the Science Citation Index (SCI)

#### ORIGINAL RESEARCH ARTICLES

1. Veglia E, Pini A, Moggio A, Grange C, Premoselli F, Miglio G, **Tiligada K**, Fantozzi R, Chazot PL, Rosa AC (2016) Histamine type 1-receptor activation by low dose of histamine undermines human glomerular slit diaphragm integrity. *Pharmacol Res* 114:27-38. DOI 10.1016/j.phrs.2016.10.011
2. Kakolyri M, Margaritou A, **Tiligada E** (2016) Dimethyl sulfoxide modifies growth and senescence and induces the non-revertible petite phenotype in yeast. *FEMS Yeast Res* 16(2):fow008. DOI 10.1093/femsyr/fow008
3. Kyriakidis K, Zampeli E, Palaiologou M, Tiniakos D, **Tiligada E** (2015) Histamine H<sub>3</sub> and H<sub>4</sub> receptor ligands modify vascular histamine levels in normal and arthritic large blood vessels *in vivo*. *Inflammation* 38(3):949-958. DOI 10.1007/s10753-014-0057-1
4. Chliva C, Aggelides X, Makris M, Katoulis A, Rigopoulos D, **Tiligada E** (2015) Comparable profiles of serum histamine and IgG4 levels in allergic beekeepers. *Allergy* 70(4):457-460. DOI 10.1111/all.12568
5. Makris M, Aggelides X, Chliva C, Katoulis A, Papamichael K, **Tiligada E** (2014) High basal blood histamine levels in a patient with ranitidine-induced anaphylaxis. *J Investig Allergol Clin Immunol* 24(5):361-363.
6. Michelis F, Delitheos A, **Tiligada E** (2013) Seasonal influence on mitogen and cyclosporin responses of peripheral blood lymphocytes. *Int Immunopharmacol* 16(2):154-159. DOI 10.1016/j.intimp.2013.03.023
7. Pantos SI, **Tiligada E** (2013) Protein backbone structure determination using RDC: An inverse kinematics approach. *Int J Quant Chem* 113(8):1095–1106. DOI 10.1002/qua.24166
8. Papamichael K, Delitheos B, **Tiligada E** (2013) A subset of histamine receptor ligands improve thermotolerance of the yeast *Saccharomyces cerevisiae*. *J Appl Microbiol* 114(2):492-501. DOI 10.1111/jam.12055
9. Koti I, Weller K, Makris M, **Tiligada E**, Psaltopoulou T, Papageorgiou C, Baiardini I, Panagiotakos D, Braidò F, Maurer M (2013) Disease activity only moderately correlates with quality of life impairment in patients with chronic spontaneous urticaria. *Dermatology* 226(4):371-379. DOI 10.1159/000351711
10. Bessinis DP, Dalla C, Daifoti ZP, **Tiligada E** (2012) Histamine involvement in visual development and adaptation. *Invest Ophthalmol Vis Sci* 53(12):7498-7503. DOI 10.1167/iovs.12-10809
11. Michelis FV, Delitheos A, **Tiligada E** (2011) Molybdate modulates mitogen and cyclosporin responses of human peripheral blood lymphocytes. *J Trace Elements Med Biol* 25(3):138-142. DOI 10.1016/j.jtemb.2011.07.002
12. Papathanassiou M, Giannoulaki V, Zampeli E, **Tiligada E** (2011) Effect of aminoguanidine on the conjunctival histamine and nitric oxide levels in experimental conjunctivitis *J Ocular Pharmacol Ther* 27(2):137-142. DOI 10.1089/jop.2010.0147

13. Papaioannou G, Michelis F, Papamichael K, Karga H, **Tiligada E** (2011) Blood lymphocyte blastogenesis in patients with thyroid dysfunction: *ex vivo* response to mitogen activation and cyclosporin A. *Inflamm Res* 60(3):265-270. DOI 10.1007/s00011-010-0264-7
14. Delitheos B, Papamichael K, **Tiligada E** (2010) Histamine modulates the cellular stress response in yeast. *Amino Acids* 38(4):1219–1226. DOI 10.1007/s00726-009-0333-9
15. Zampeli E, Thurmond RL, **Tiligada E** (2009) The histamine H<sub>4</sub> receptor antagonist JNJ7777120 induces increases in the histamine content of the rat conjunctiva. *Inflamm Res* 58(6):285-291. DOI 10.1007/s00011-009-8245-4
16. Zampeli E, Pitychoutis P, Papadopoulou-Daifoti Z, **Tiligada E** (2009) Systemic challenge with lipopolysaccharide increases histamine levels in the conjunctiva and cartilage, but not hypothalamus of Sprague Dawley rats. *Inflamm Res* 58(S1):S49-50. DOI 10.1007/s00011-009-2003-5
17. Kyriakidis K, Zampeli E, **Tiligada E** (2009) Histamine levels in whole peripheral blood from women with ductal breast cancer: A pilot study. *Inflamm Res* 58(S1):S73-74. DOI 10.1007/s00011-009-2014-2
18. Yiannakopoulou ECh, **Tiligada E** (2009) Protective effect of salicylates against hydrogen peroxide stress in yeast. *J Appl Microbiol* 106(3):903-908. DOI 10.1111/j.1365-2672.2008.04061.x
19. Theodorou MC, **Tiligada E**, Kyriakidis DA (2009) Extracellular Ca<sup>2+</sup> transients affect poly-(R)-3-hydroxybutyrate regulation by the AtoS-AtoC system in *E. coli*. *Biochem J* 417(3):667-672. DOI 10.1042/BJ20081169
20. Kyriakidis DA, Theodorou MC, Filippou PS, Kyriakidis KD, **Tiligada E** (2008) Effect of histamine on the signal transduction of the AtoS-AtoC two component system and involvement in poly-(R)-3-hydroxybutyrate biosynthesis in *Escherichia coli*. *Amino Acids* 35(1):45-52. DOI 10.1007/s00726-007-0635-8
21. Papamichael K, Vovou I, Miligkos V, Stavrinidis E, Delitheos A, **Tiligada E** (2006) Effect of the hsp90 modulators on the heat shock response in eukaryotic cells. *Folia Microbiol* 51(1):33-37. DOI 10.1007/BF02931447
22. **Tiligada E**, Papamichael K, Vovou I, Delitheos A (2006) Circumvention of the camptothecin-induced resistance during the adaptive cellular stress response. *Anticancer Res* 26(1):421-425.
23. Kakavas S, **Tiligada E** (2006) Time course of thyroxine on hypothalamic histamine in the rat. *Inflamm Res* 55(S1):S32-33. DOI 10.1007/s00011-005-0029-x
24. Kakavas S, **Tiligada E** (2005) Hypothalamic histamine levels in hyperthyroid, arthritic and C48/80-treated rats. *Inflamm Res* 54:S30-31. DOI 10.1007/s00011-004-0413-y
25. Papathanassiou M, Giannoulaki V, **Tiligada E** (2004) Leukotriene antagonists attenuate the late phase nitric oxide production during the hypersensitivity response in the conjunctiva. *Inflamm Res* 53(8):373-376. DOI 10.1007/s00011-004-1270-4
26. Vovou I, Delitheos A, **Tiligada E** (2004) The heat shock response is dependent on the external environment and on rapid ionic balancing by pharmacological agents in

- Saccharomyces cerevisiae*. *J Appl Microbiol* 96(6):1271-1277. DOI 10.1111/j.1365-2672.2004.02256.x
27. **Tiligada E**, Giannoulaki V, Papathanassiou M, Karabela S, Sitaras N, Varonos D (2004) Histamine and fluoxetine: common playground in the rat conjunctiva? *Inflamm Res* 53(S1):S41-42. DOI 10.1007/s00011-003-0319-0
  28. Giannoulaki V, Papathanassiou M, Sitaras NM, **Tiligada E** (2003) Nadroparine inhibits the hypersensitivity response in the conjunctiva. *Eur J Pharmacol* 481(1):119-124. DOI 10.1016/j.ejphar.2003.08.080
  29. Peponis V, Papathanassiou M, Kapranou A, Magou C, **Tiligada A**, Melidonis AJ, Drosos T, Sitaras NM (2002) Protective role of oral antioxidant supplementation in ocular surface of diabetic patients. *Br J Ophthalmol* 86(12):1369-1373. DOI 10.1136/bjo.86.12.1369
  30. Michelis F, **Tiligada E**, Skaltsa H, Lazari D, Skaltsounis AL, Delitheos A (2002) Effects of the flavonoid ptiloin isolated from *Marrubium cylleneum* on mitogen-induced lymphocyte transformation. *Pharmac Biol* 40(4):245-248. DOI 10.1076/phbi.40.4.245.8472
  31. Stavrinidis E, Delitheos A, **Tiligada E** (2002) Induction of morphological alterations by antineoplastic agents in yeast. *Folia Microbiol* 47(2):157-160. DOI 10.1007/BF02817674
  32. **Tiligada E**, Giannoulaki V, Sitaras N, Varonos D (2002) Heparin inhibits C48/80 and fluoxetine effects on conjunctival histamine content *in vivo*. *Inflamm Res* 51(S1):S7-8. DOI 10.1007/PL00022454
  33. Aslanis D, **Tiligada E** (2001) Effect of fluoxetine on the histamine content in the rat conjunctiva. *J Fr Ophthalmol* 24(2):169-171. DOI JFO-02-2001-24-2-0181-5512-101019-ART8
  34. Miligkos V, **Tiligada E**, Papamichael K, Ypsilantis E, Delitheos A (2000) Anticancer drugs as inducers of thermotolerance in yeast. *Folia Microbiol* 45(4):339-342. DOI 10.1007/BF02817558
  35. Skaltsa HD, Lazari DM, Mavromati AS, **Tiligada EA**, Constantinidis TA (2000) Composition and antimicrobial activity of the essential oil of *Scutellaria albida* ssp. *albida* from Greece. *Planta Med* 66(7):672-674. DOI 10.1055/s-2000-8650
  36. **Tiligada E**, Aslanis D, Delitheos A, Varonos D (2000) Changes in histamine content following pharmacologically-induced mast cell degranulation in the rat conjunctiva. *Pharmacol Res* 41(6):667-670. DOI 10.1006/phrs.1999.0637
  37. Varvaresou A, Tsantili-Kakoulidou A, Siatra-Papastaikoudi Th, **Tiligada E** (2000) Synthesis and biological evaluation of indole containing derivatives of thiosemicarbazide and their cyclic 1,2,4-triazole and 1,3,4-thiadiazole analogs. *Arzneimittel-forschung/Drug Res* 50(1):48-54. DOI 10.1055/s-0031-1300163
  38. **Tiligada E**, Stavrinidis E, Manolis C, Delitheos A (1999) Effects of chromatin function inhibitors on yeast whole cells and spheroplasts. *ATLA Altern Lab Anim* 27(6):951-956.
  39. **Tiligada E**, Miligkos V, Ypsilantis E, Papamichael K, Delitheos A (1999) Molybdate induces thermotolerance in yeast. *Lett Appl Microbiol* 29(2):77-80. DOI

- 10.1046/j.1365-2672.1999.00581.x
40. Delitheos A, **Tiligada E**, Yiannitsaros A, Bazos I (1997) Antiphage activity in extracts of plants growing in Greece. *Phytomedicine* 4(2):115-122. DOI 10.1016/S0944-7113(97)80055-4
  41. Tsoinis A, Varvaressou A, Calogeropoulou Th, Siatra-Papastaikoudi Th, **Tiligada A** (1997) Synthesis and antimicrobial evaluation of indole containing derivatives of 1,3,4-thiadiazole, 1,2,4-triazole and their open-chain counterparts. *Arzneimittelforschung Res* 47(3):307-310.
  42. **Tiligada E**, Giannakakou P, Karavokyros I, Delitheos A (1996) Effect of calcium channel blockers on the action of various antitumour agents in the yeast *Saccharomyces cerevisiae*. *J Appl Bacteriol* 81(5):481-485. DOI 10.1111/j.1365-2672.1996.tb03536.x
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  44. **Tiligada E**, Delitheos A (1993) Involvement of potassium ions in the action of various antineoplastic drugs on the growth of *Saccharomyces cerevisiae*. *Lett Appl Microbiol* 16(5):251-253. DOI 10.1111/j.1472-765X.1993.tb01411.x
  45. **Tiligada E**, Wilson JF (1989) Glutamergic action on alpha-melanocyte-stimulating hormone release from the rat hypothalamus. *J Neuroendocrinol* 1(6):393-395. DOI 10.1111/j.1365-2826.1989.tb00136.x
  46. **Tiligada E**, Wilson JF (1989) Regulation of  $\alpha$ -melanocyte-stimulating hormone release from superfused slices of rat hypothalamus by serotonin and the interaction of serotonin with the dopaminergic system inhibiting peptide release. *Brain Res* 503:225-228. DOI 10.1016/0006-8993(89)91668-5
  47. **Tiligada E**, Wilson JF (1989) D2-but not D1-dopamine receptors are involved in the inhibitory control of  $\alpha$ -melanocyte-stimulating hormone release from the rat hypothalamus. *Exp Brain Res* 74(3):645-648. DOI 10.1007/BF00247368
  48. **Tiligada E**, Wilson JF (1988) Ion and ion-channel involvement in  $\alpha$ -melanocyte-stimulating hormone secretion from superfused slices of the rat hypothalamus. *Neurosci Lett* 95(1-3):318-322. DOI 10.1016/0304-3940(88)90678-7
  49. **Tiligada E**, Wilson JF (1988) Dopaminergic inhibition of  $\alpha$ -melanocyte-stimulating hormone release from superfused slices of the rat hypothalamus. *Brain Res* 457(2):379-382. DOI 10.1016/0006-8993(88)90711-1
  50. McPherson MA, **Tiligada E**, Bradbury NA, Goodchild MC (1987) Altered calmodulin activity in buccal epithelial cells from cystic fibrosis patients. *Clin Chim Acta* 170(2-3):135-142. DOI 10.1016/0009-8981(87)90121-5

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51. **Tiligada E**, Ishii M, Riccardi C, Spedding M, Simon HU, Teixeira MM, Landys Chovel Cuervo M, Holgate ST, Levi-Schaffer F (2015) The expanding role of immunopharmacology: IUPHAR Review 16. *Br J Pharmacol* 172(17):4217-4227. DOI 10.1111/bph.13219
52. Kyriakidis DA, Theodorou MC, **Tiligada E** (2012) Histamine in two component



- system-mediated bacterial signalling. *Front Biosci (Landmark Ed)* 17:1108-1119. DOI 10.2741/3976
53. **Tiligada E**, Kyriakidis K, Chazot PL, Passani MB (2011) Histamine pharmacology and new CNS drug targets. *CNS Neurosci Ther* 17(6):620–628. DOI 10.1111/j.1755-5949.2010.00212.x
  54. **Tiligada E**, Zampeli E, Sander K, Stark H (2009) Histamine H<sub>3</sub> and H<sub>4</sub> receptors as novel drug targets. *Expert Opin Investig Drugs* 18(10):1519-1531. DOI 10.1517/14728220903188438
  55. Kyriakidis DA, **Tiligada E** (2009) Signal-transduction and adaptive regulation through bacterial two-component systems: The *Escherichia coli* AtoSC paradigm. *Amino Acids* 37(3):443–458. DOI 10.1007/s00726-009-0241-z
  56. Zampeli E, **Tiligada E** (2009) The role of H<sub>4</sub> receptor in immune and inflammatory disorders. *Br J Pharmacol* 157(1):24-33. DOI 10.1111/j.1476-5381.2009.00151.x
  57. **Tiligada E** (2006) Chemotherapy: induction of stress responses. *Endocr Relat Cancer* 13:S115-124. DOI 10.1677/erc.1.01272
  58. **Tiligada E** (2006) Nuclear translocation during the cross-talk between cellular stress, cell cycle and anticancer agents. *Curr Med Chem* 13(11):1317-1320. DOI 10.2174/092986706776872952
  59. **Tiligada E**, Miligkos V, Delitheos A (2002) Cross-talk between cellular stress, cell cycle and anticancer agents: mechanistic aspects. *Curr Med Chem - Anticancer Agents* 2:553-566. DOI 10.2174/1568011023353976
  60. **Tiligada E**, Wilson JF (1990) Ionic, neuronal and endocrine influences on the proopiomelanocortin system of the hypothalamus. *Life Sci* 46(2):81-90. DOI 10.1016/0024-3205(90)90040-X

#### EDITORIALS – COMMENTARIES – CORRESPONDANCE

61. **Tiligada E** (2016) Editorial to the special issue on the challenge of histamine and histamine receptor pharmacology and therapeutics in the 21st century. *Pharmacol Res* 114:74. DOI 10.1016/j.phrs.2016.10.009
62. Siebenhaar F, Falcone FH, **Tiligada E**, Hammel I, Maurer M, Sagi-Eisenberg R, Levi-Schaffer F (2015) The search for mast cell and basophil models - Are we getting closer to pathophysiological relevance? *Allergy* 70(1):1-5. DOI 10.1111/all.12517
63. Almouzni G, Altucci L, Amati B, Ashley N, Baulcombe D, Beaujean N, Bock C, Bongcam-Rudloff E, Bousquet J, Braun S, De Paillerets Bb, Bussemakers M, Clarke L, Conesa A, Estivill X, Fazeli A, Grgurevi Na, Gut I, Heijmans Bt, Hermouet S, Houwing Duistermaat J, Iacobucci I, Ila J, Kandimalla R, Krauss-Etschmann S, Lasko P, Lehmann S, Lindroth A, Majdi G, Marcotte E, Martinelli G, Martinet N, Meyer E, Miceli C, Mills K, Moreno-Villanueva M, Morvan G, Nickel D, Niesler B, Nowacki M, Nowak J, Ossowski S, Pelizzola M, Pochet R, Poto Nik U, Radwanska M, Raes J, Rattray M, Robinson Md, Roelen B, Sauer S, Schinzer D, Slagboom E, Spector T, Stunnenberg Hg, **Tiligada E**, Torres-Padilla Me, Tsonaka R, Van Soom A, Vidakovi M, Widschwendter M (2014) Relationship between genome and epigenome - challenges and requirements for future research. *BMC Genomics* 15 (1):487 DOI 10.1186/1471-2164-15-487 (authors in alphabetical order)

64. **Tiligada E** (2012) Is histamine the missing link in chronic inflammation? *J Leukoc Biol* 92(1):4-6. DOI 10.1189/jlb.0212093

#### REPORTS

65. **Tiligada E** (2012) Meeting Report of the Cost Action BM0806 'Recent advances in histamine receptor H<sub>4</sub>R research'. *Inflamm Res* 61(S2):42-43. DOI 10.1007/s00011-012-0531-x
66. **Tiligada E** (2010) Meeting report of the COST action. *Inflamm Res* 59(S4):S308-309. DOI 10.1007/s00011-010-0263-8
67. Chazot PL, **Tiligada E** (2008) The European Histamine Research Society (EHRS) symposium for EPHAR 2008. *Inflamm Res* 57:S5–6. DOI 10.1007/s00011-007-0638-7

#### Peer-review publications in non-SCI international journals

##### ORIGINAL RESEARCH ARTICLES

68. Persidis S, Moshos M, Katramadou M, **Tyiligada K**, Carageorgiou H (2010) Histopathologic modifications of rabbit conjunctiva after the administration of latanoprost, travoprost, vimatoprost and combinations with timolol: Preliminary report. *Rev Clin Pharmacol Pharmacokinet Int Ed* 24(2):200-201.
69. Yiannakopoulou ECh, **Tiligada E** (2006) Acetaminophen modulates the oxidative stress response in eucaryotic cells. *Rev Clin Pharmacol Pharmacokinet Int Ed* 20(2):125-127.
70. Delitheos BA, **Tiligada E** (2006) A microscopic approach for recording *S. cerevisiae* cells in the stationary phase. *Rev Clin Pharmacol Pharmacokinet Int Ed* 20(2):144-146.
71. Skaltsa H, Lazari D, Loukis A, Aslanis D, **Tiligada E** (1997) Chemical and biological studies on the essential oil of *Marrubium cylleneum* Boiss. & Heldr. *Pharmacol Pharmacolett* 7(4):184-186.

##### REVIEW ARTICLES

72. Kakavas S, Zampeli E, Papamichael K, Delitheos B, **Tiligada E** (2006) The mast cell pathway to inflammation and homeostasis: pharmacological insights. *Anti-Inflamm Anti-Allergy Agents Med Chem* 5(4):323-334. DOI 10.2174/187152306778772793
73. Papadopoulou-Daifoti Z, **Tiligada E** (2001) Pharmacology of the future - Pharmacogenomics. *Rev Clin Pharmacol Pharmacokinet Int Ed* 15(3):143-146.
74. **Tiligada E**, Michelis F, Delitheos A (2001) Investigation of the immunomodulatory effects of natural products by an *in vitro* lymphocyte transformation assay. *Rev Clin Pharmacol Pharmacokinet Intl Ed* 15(3):169-172.

##### EDITORIALS – LETTERS TO THE EDITOR

75. Makris M, Koulouris S, Katoulis A, **Tyiligada E**, Rigopoulos D (2013) Non-immediate, severe hypersensitivity reaction to iopamidol with cross reactivity to different radiocontrast agents. *Allergol Int* 62(1):145-146. DOI 10.2332/allergolint.12-LE-0455
76. **Tiligada E** (2006) Editorial: Trends in inflammation - Leads in immunopharmacology. *Anti-Inflamm Anti-Allergy Agents Med Chem* 5(4):287-288. DOI 10.2174/187152306778772810

Books

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77. Rigopoulos D, **Tiligada E** (2017) Stratum corneum lipids and water-holding capacity. In Neelam A. Vashi and Howard I. Maibach (Eds). *Dermatoanthropology of ethnic skin and hair*. Springer International Publishing AG ISBN 978-3-319-53961-4 (*in press*)
78. **Tiligada E**, Ennis M (2017) Preface. In Ekaterini Tiligada and Madeleine Ennis (Eds.) *Histamine receptors as drug targets*, Methods in Pharmacology and Toxicology (pp. v-ix). New York, USA, Springer Science+Business Media LLC (*in press*)
79. **Tiligada E**, Kakolyri M, Ennis M (2017) Histamine quantification in human blood samples. In Ekaterini Tiligada and Madeleine Ennis (Eds.) *Histamine receptors as drug targets*, Methods in Pharmacology and Toxicology (Chapter 17, pp. 489-508). New York, USA, Springer Science+Business Media LLC (*in press*)
80. **Tiligada E** (2013) Perspectives in H<sub>4</sub>R research and therapeutic exploitation. In H. Stark (Ed.) *Histamine H<sub>4</sub> receptor: a novel drug target for immunoregulation and inflammation* (Chapter 10, pp. 333-352). London, UK: Versita. ISBN (Online): 9788376560564, DOI (Book): 10.2478/9788376560564
81. Kyriakidis DA, **Tiligada E** (2013) Non receptor-mediated histamine actions. In H. Stark (Ed.) *Histamine H<sub>4</sub> receptor: a novel drug target for immunoregulation and inflammation* (Chapter 9, pp. 309-332). London, UK: Versita. ISBN (Online): 9788376560564, DOI 10.2478/9788376560564
82. Papamichael K, **Tiligada E** (2008) Heat shock proteins in adaptive and protective physiology and pathophysiology of the gastrointestinal mucosa. In E. Morel & C. Vincent (Eds.), *Heat-Shock Proteins: International Research* (Chapter XVI, pp. 299-319). NY: Nova Science Publishers Inc. ISBN: 978-1-60456-641-3

## MONOGRAPHS

83. **Tiligada E** (1989) Control of alpha-MSH release from the arcuate nucleus of the rat, PhD Thesis, University of Wales College of Medicine, Cardiff, UK
84. **Tiligada E** (1986) Causes and consequences of thalassemia, Undergraduate project, University of Wales College of Cardiff, UK
85. **Tiligada E** (1986) Ca<sup>2+</sup>-dependent regulation of cAMP-phosphodiesterase in exocrine glands. Diploma research project (20 weeks duration), Department of Medical Biochemistry, University of Wales College of Medicine, Cardiff, UK
86. **Tiligada E** (1985) Prenatal diagnosis of inherited diseases. Diploma research dissertation, University of Wales College of Cardiff, UK

Greek publications

## ORIGINAL RESEARCH ARTICLES (PEER-REVIEW)

1. Potika M, Makris M, Kontogiorgaki I, Sandilos C, Aggelides X, Koulias C, Chliva C, **Tiligada E**, Rigopoulos D (2017) Hypersensitivity reactions to iodinated radiocontrast agents. Allergy and rechallenge data. *Arch Hellenic Med* 34:104-112
2. Yiannakopoulou EX, **Tiligada E** (2007) Pharmacological preconditioning in eukaryotic stress response: "Step by step" evaluation of methodological approaches. *Epith Klin*

*Farmakol Farmakokinet* 25:30-32.

3. Yiannakopoulou E, Delitheos A, **Tiligada E** (2005) Dose-dependent effect of non-steroidal anti-inflammatory agents on the cellular stress response. *Epith Klin Farmakol Farmakokinet* 23:39-41.

#### REVIEW ARTICLES (PEER-REVIEW)

4. Margaritou A, Kakolyri M, **Tiligada E** (2016) H<sub>1</sub>-antihistamines: A century of developments. *Iatriki Epitheorisis Enoplou Dynameon* (online) 43(1):118-127.
5. Kyriakidis K, Zampeli E, **Tiligada A** (2007) Vascular endothelium: An immunopharmacological approach. *Iatriki* 92:447-459.
6. Artemiadis A, **Tiligada A** (2004) Indoor allergens: distribution, sensitization of the organism and immunological mechanisms. *Iatriki* 85:24-35.
7. **Tiligada A**, Antonogeorgos G (2003) Leukotrienes and inflammation: latest pharmacological aspects. *Paediatrici* 66:49-54.
8. Kakavas S, **Tiligada A**, Aslanis D (1999) Histamine release and drugs. *Farmakeutiki* 12:102-107.
9. Ypsilantis E, **Tiligada A** (1999) p53 as a biological marker for cancer. *Iatriki* 75:487-493.
10. Papamichael K, **Tiligada A** (1998) Topoisomerases as target of antineoplastic drugs: Molecular aspects. *Elliniki Oncologia* 34:93-98.

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11. **Tiligada A** (2016) Classification of drug allergy. Proceedings of the 7<sup>th</sup> Hellenic Congress of Paediatric Allergy (electronic)
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