

## CURRICULUM VITAE

**Name:** PRATSINIS HARRIS (CHARALAMPOS)  
**Date and place of birth:** February 9th, 1965, Athens, Greece  
**Address:** Institute of Biosciences & Applications (ex-Institute of Biology), NCSR "Demokritos", 153 10 Athens, Greece  
**Telephone:** +30 210 650 3572 & +30 210 650 3561  
**Fax:** +30 210 651 1767  
**E-mail:** hprats@bio.demokritos.gr

### Studies and professional experience:

1976 – 1982: Attended the "Varvakios Modal School".  
1982 – 1989: Studies in the National and Kapodistrian University of Athens, Faculty of Natural Sciences, School of Chemistry. Diploma in Chemistry.  
1990 – 1999: Ph.D. Thesis in the National and Kapodistrian University of Athens, Faculty of Natural Sciences, School of Biology; Title: "Proliferative response of human fibroblasts to exogenous and endogenous growth factors" (grade: "Excellent").  
1994 – 1995: Completed his military service in the Greek Army.  
1993 – 2001: Research Associate in the Department of Pathology, Medical School, National and Kapodistrian University of Athens (Responsible of the Cell Culture Facilities).  
1997: Training in Imperial College School of Medicine at St. Mary's Hospital, Department of Clinical Pharmacology and Therapeutics, London, UK.  
1999 – 2007: Post-doctoral Fellow in the Laboratory of Cell Proliferation & Ageing, Institute of Biology, NCSR "Demokritos".  
2008 – 2012: Assistant researcher in the Laboratory of Cell Proliferation & Ageing, Institute of Biology, NCSR "Demokritos".  
2012 – 2017: Researcher in the Laboratory of Cell Proliferation & Ageing, Institute of Biosciences & Applications, NCSR "Demokritos".  
2018 to date: Senior Researcher in the Laboratory of Cell Proliferation & Ageing, Institute of Biosciences & Applications, NCSR "Demokritos".

**Distinctions:**

- i)** 5-year scholarship from NCSR "Demokritos" (after qualifying exams) for Ph.D. accomplishment (1989)
- ii)** one year scholarship from the Greek State Scholarship's Foundation (IKY) for post-doctoral research (2001)
- iii)** 2-year scholarship from NCSR "Demokritos" for post-doctoral research (2006)
- iv)** Polycratis Praise at the Conference of the Hellenic Society of Plastic and Reconstructive Surgery (2007) for the communication "In vitro studies of human dermal fibroblasts following long-term exposure to high glucocorticoid levels" by **H. Pratsinis**, K. Pilichos, V. Gioni, S. Tsagarakis and D. Kletsas
- v)** Ioannovitch Praise at the 5th Hellenic Conference of Trauma and Ulcer Healing (2011) for the communication "Stress, cell senescence and tissue homeostasis" by **H. Pratsinis**, A. Dimozi, A. Papadopoulou, M. Lefaki, K. Pilichos, S. Tsagarakis, A. M. Yiacoymettis and D. Kletsas

vi) “Vicky Zachariou” Praise (best oral presentation) at the 5th Hellenic Spine Conference (2011) for the communication “Stimulation of the proliferation of intervertebral disc cells by autocrine and exogenous growth factors through the MEK/ERK and PI3K/AKT signalling pathways” by V. Constantinou, K. Soultanis, K. Pavlakis, **H. Pratsinis**, G. Sapakas and D. Kletsas

**Educational activities:**

- Post-graduate Master’s Degree “Applied Biochemistry: Clinical Chemistry, Biotechnology, Pharmaceutical Products’ Evaluation”, co-organized by the Chemistry Department, University of Patras and IBA, NCSR “Demokritos”, lectures on “Signaling pathways of key cytokines and growth factors” and “Methods for studying cytotoxicity / cytostatic activity”
- Post-graduate Master’s Degree “Applications of Biology in Medicine”, Department of Biology, University of Athens (2006-2022), lectures on “Ageing and age-related diseases”, lab demonstration on “Methods for studying cell proliferation”
- Post-graduate Master’s Degree “Human neoplasias: Diagnosis, current therapies and research”, First Pathology Laboratory, Medical School, University of Athens (2014-2022), lectures on “Cell culture systems in cancer research”
- Post-graduate Master’s Degree “Molecular Biology Lessons”, Chemistry Department, University of Athens (2015 & 2017), lectures on “Cellular senescence”
- Lectures on “In vitro studies of natural and synthetic bioactive products” in the framework of NCSR “Demokritos” Summer School (2016-2021)
- Post-graduate courses on “Signal Transduction” in the Institute of Biology, NCSR “Demokritos” (2009), course entitled “Regulation of Cell Proliferation - Senescence”
- Supervisor of the M.Sc. thesis “Studying thymosinic peptides’ action on human skin fibroblasts for the regulation of cellular functions related to wound repair” by Ch. Almpani, in the framework of the Post-graduate Master’s Degree “Cosmetology-Dermopharmacology” organised by Prof. M. Rallis, Dept. of Pharmacy, University of Athens (2020)
- Member of the examination committee of the Ph.D. thesis “Genetic engineering of intervertebral disc cells using CRISPR-Cas9” by M. Adamopoulou, supervisor: Prof. J. Erler, Faculty of Health and Medical Sciences, University of Copenhagen (2022)
- Member of the examination committee of the Ph.D. thesis “Investigation of paracrine interactions between stromal and cancer breast cells. Role of cellular senescence” by E. Liakou, supervisor: Prof. N.K. Karamanos, Dept. of Chemistry, University of Patras (2022)
- Member of the examination committee of the M.Sc. thesis “Methodology optimization for the recovery of lavender essential oil. Variation of the annual production in Kozani” by P. Lazaridou, supervisor: Prof. M. Lekka, Dept. of Chemistry, University of Ioannina (2021)
- Member of the examination committee of the Ph.D. thesis “The role of serglycin in malignancies” by D. Manou, supervisor: Prof. A.D. Theocharis, Dept. of Chemistry, University of Patras (2021)

- Member of the examination committee of the Ph.D. thesis "The molecular and cellular effects of hyaluronan on breast cancer cells with different estrogen receptors status" by A.-G. Tavianatou, supervisor: Prof. N.K. Karamanos, Dept. of Chemistry, University of Patras (2019)
- Member of the examination committee of the Ph.D. thesis "Contribution of *helicobacter pylori* virulence factors in the activation of molecules that are involved in the extracellular matrix remodeling" by I. S. Sougleri, supervisor: Prof. M. Mavri-Vavagianni, Dept. of Chemistry, National and Kapodistrian University of Athens (2018)
- Member of the examination committee of the Ph.D. thesis "Identification of secondary metabolites in Greek flora herb infusions and assessment of their bioactivities" by D. Kogiannou, supervisor: Prof. N. Kalogeropoulos, Dept. of Nutrition and Dietetics, Harokopio University of Athens (2016)
- Member of the examination committee for the selection of the Ph.D. fellows of the Institute of Biology, NCSR "Demokritos" (2008-2010)
- Seminar supervisor of the post-graduate Ph.D. fellows of the Institute of Biology, NCSR "Demokritos" (2009-2010)
- Member of the advisory committees of the Ph.D. fellows Anastasia Dimozi (2008-2011) and Alexandros Athanasopoulos (2011-2015)
- Coordinator of educational tours for schools in the Institute of Biosciences & Applications (ex-Biology) NCSR "Demokritos" (2012-to date)

**Other activities:**

- Elected president of the Scientific Council of the Institute of Biosciences & Applications, NCSR "Demokritos" (2020-2022).
- Elected member of the Scientific Council of the Institute of Biosciences & Applications, NCSR "Demokritos" (2018-2020).
- President of the Organizing Committee of the 8th Young Investigators' Forum of the Hellenic Society for Biochemistry and Molecular Biology (November 25, 2021 Athens).
- Member of the Organizing Committee of the 9th Annual Meeting of the Hellenic Research Club for Connective Tissue & Matrix Biology (May 10-12, 2007, Athens).
- Member of the Organizing Committee of the 22nd European Tissue Repair Society Meeting (October 4-5, 2012, Athens).
- Member of the Organizing Committee of the 64th Annual Meeting of the Hellenic Society for Biochemistry and Molecular Biology (December 6-8, 2013, Athens).
- Member of the Organizing Committee of the 66th Annual Meeting of the Hellenic Society for Biochemistry and Molecular Biology (December 11-13, 2015, Athens).
- Member of the Editorial Board of *Cosmetics* (ISSN 2079-9284).
- Reviewer for the journals *American Journal of Orthodontics & Dentofacial Orthopedics*, *American Journal of Plant Sciences*, *Arabian Journal of Chemistry*, *BioMed Research International*, *Bioorganic and Medicinal Chemistry Letters*, *Biotechnology Progress*, *Cancers*, *Cells*, *Chemistry and Biodiversity*, *Computers in Biology and Medicine*, *Cosmetics*, *Cytotechnology*, *Drug Design Development and Therapy*, *European Journal of Pharmacology*, *European Spine Journal*,

*Experimental Dermatology, FEBS Journal, Frontiers in Bioengineering, Genes & Diseases, International Journal of Molecular Sciences, Journal of Aging Research, Journal of Cellular and Molecular Medicine, Journal of Functional Foods, Journal of Molecular Biochemistry, Journal of Photochemistry and Photobiology, Journal of Xenobiotics, Life, Marine Drugs, Materials, Matrix Biology, Mechanisms of Ageing and Development, Molecules, Nanomaterials, Nutrients, Pharmaceuticals, Pharmaceutics, Pharmacological Reports, PLoS ONE, Rejuvenation Research, South African Journal of Botany, World Journal of Surgical Oncology, Wound Repair and Regeneration.*

- Independent peer reviewer for the site [www.rubriq.com](http://www.rubriq.com).
- External expert reviewer for the Hellenic Foundation for Research and Innovation (HFRI), as well as, for Professorships of the Swiss National Science Foundation (SNSF).
- Project Certification for the Greek General Secretary for Research and Technology (GSRT).

**Languages:** Greek (native), English and German (very good)

**Societies:** European Tissue Repair Society  
Association of Greek Chemists  
Hellenic Society for Biochemistry and Molecular Biology

### **Research Projects**

Participation in the proposal and implementation of the following research projects:

- 1995-1997: EU Biomed and Health Research Programme "Concerted Action Programme on Molecular Gerontology" (coordinator Prof. B.F.C. Clark).
- 1996-1998: "Investigation of apoptosis in normal and cancer cells: The role of growth factors" (GSRT PENED '95, coordinator Dr. D. Stathakos).
- 1997-1998: "Investigation of apoptosis in degenerative diseases of human vasculature: The role of cell-cycle regulators" (Joint Research and Technology Project between Greece and Great Britain, coordinator in Greece Dr. D. Kletsas).
- 1998-1999: Pharmacia & Upjohn (Hellas): "A pilot study of growth hormone deficient adults before and during GH-replacement, in terms of cellular replicative capacity" (coordinator Dr. D. Stathakos).
- 1998-1999: "Novel drug development with selectivity for hormone-dependent gynecologic tumors" (GSRT PAVE, coordinator Prof. A.-L. Skaltsounis)
- 1998-2000: "Greek centenarians: Their life style and health parameters" (GSRT EPET II, coordinator Dr. D. Stathakos).
- 1999-2001: "The role of mitochondria and growth factors in apoptosis during aging" (Joint Research and Technology Project between Greece and Russia, coordinator in Greece Dr. D. Kletsas).
- 1999-2000: "Molecular mechanisms of aging and longevity" (GSRT PENED '99, coordinator Dr. S. Gonos).
- 2000: Participation in the Network "Environmental estrogens and impact on human health"

- 2001-2002: "Development of biologically active products with antimicrobial and wound healing activities based on traditional medicinal plants" (GSRT PAVET 2000, collaboration with Lavipharm S.A.).
- 2001-2002: "Development of an *in vitro* model for the prognosis of atheromatic plaque rupture in hypercholesterinaemic patients and for the study of atherosclerosis inhibitors" (Joint Research and Technology Project between Greece and Cyprus, coordinator in Greece Dr. D. Kletsas).
- 2003-2005: "Intervertebral disc degeneration: Interplay of ageing, physical and genetic factors" (EURODISC, EU Shared-cost RTD project, coordinator Dr. J. Urban – coordinator in Greece Dr. D. Kletsas).
- 2006-2007: "Exploitation of Greek natural products with anti-ageing activity" (GSRT PAVET 2005, coordinator Korres Natural Products S.A.).
- 2007-2008: "Delineating the senescence phenotype: New targets for anti-ageing therapy" (GSRT, Scientific and technological cooperation between RTD Organizations in Greece and U.S.A, coordinator in Greece Dr. D. Kletsas).
- 2006-2008: "Senescence of intervertebral disc cells" (AO Research Fund grant, coordinator Dr. D. Kletsas).
- 2007-2009: "Living Bioreactor – Growing a new joint in a human back" (MyJoint, EU FP7 NEST project, coordinator Prof. Patrick Warnke – coordinator in Greece Dr. D. Kletsas).
- 2008-2012: "Disc-degeneration linked pathologies: novel biomarkers and diagnostics for targeting treatment and repair" (GENODISC, EU FP7-HEALTH-2007-A, coordinator Dr. J. Urban – coordinator in Greece Dr. D. Kletsas).
- 2010-2011: "Investigation of the effect of neonatal fibroblasts on the pro-inflammatory phenotype of senescent cells" (Organogenesis, Inc., USA, coordinator Dr. D. Kletsas).
- 2010-2014: "From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest" (AgroCos, EU FP7-KBBE-2009-3, coordinator Prof. A.-L. Skaltsounis).
- 2012-2014: Member of the Research Team in the project "Intracellular cross-talk between ER $\alpha$ / $\beta$ , EGF and IGF receptors in development and progression of breast cancer: functional properties, expression of matrix macromolecules, proteasome activity and induction of EMT (BioCancerTalk)" (GSRT THALES project, coordinator Prof. N.K. Karamanos).
- 2012-2015: Member of the Research Team in the project "Bioactive Natural Products of Marine-derived Actinobacteria from East Mediterranean Deep-sea Sediments (BIOMARACT)" (GSRT Excellence project, coordinator Prof. V. Roussis)
- 2013-2015: Member of the Research Team in the project "Target Identification for Disease Diagnosis and Treatment (DIAS)" (GSRT KRIPIS project, MIS 448325, coordinator Dr. E.P. Tsilibary)
- 2013-2015: Member of the Research Team in the project "Application of state-of-the-art green technology for the development of high added value cosmeceuticals based on the Greek flora (ENGAGE)" (GSRT Cooperation 2011 project, coordinator Korres Natural Products S.A.)
- 2015-2019: "Matrix glycans as multifunctional pathogenesis factors and therapeutic targets in cancer" (GLYCAN, EU H2020-MSCA-RISE-2014, coordinator Prof. Martin Götte – coordinator in Greece Dr. D. Kletsas).
- 2017-2020: Member of the Research Team in the project "Target Identification and Development of Novel Approaches for Health and Environmental Applications (SANITURA)" (GSRT KRIPIS project, MIS 5002514, coordinator Dr. D. Kletsas).

- 2017-2020: Member of the Research Team in the project "A Greek Research Infrastructure for Visualizing and Monitoring Fundamental Biological Processes (BioImaging-GR)" (GSRT, MIS 5002755, coordinator Prof. N. Tavernarakis).
- 2017-2020: Member of the Research Team in the project "An Open-Access Research Infrastructure of Chemical Biology and Target-Based Screening Technologies for Human and Animal Health, Agriculture and the Environment (OPENSREEN-GR)" (GSRT, MIS 5002691, coordinator Dr. D. Kletsas).
- 2019-2021: Member of the Research Team in the flagship national project "The Routes of Bee" (GSRT, coordinator Prof. Ch. Tananaki).
- 2019-2023: Member of the Research Team in the project "Ensuring long-term sustainability of excellence in chemical biology within Europe and beyond (EU-OPENSREEN-DRIVE)" (EU H2020-INFRADEV-2018-2020, coordinator Dr. W. Fecke).
- 2020-2023: Member of the Research Team in the project "Development of innovative cosmeceuticals based on the greek flora (CosmAGE)" (GSRT, MIS 5070022, coordinator Dr. D. Kletsas).
- 2021-2023: Member of the Research Team in the project "Development of a value chain for the Greek "wild rose" (*Rosa canina* L.) applying good agricultural practices for the production of cosmetic raw materials via innovative green extraction processes (Green\_Wild\_ROSE.gr)" (GSRT, MIS 5131416, coordinator Dr. G. Stavropoulos).
- 2021-2022: Member of the Research Team in the project "In vitro assessment of combinations of known senotherapeutics for their potential application in the prevention and/or treatment of intrinsic and ultraviolet radiation-induced skin ageing" (UNI-PHARMA S.A., coordinator Dr. D. Kletsas).
- 2021-2025: Responsible from the side of NSRF "Demokritos" for the project "Actions for the optimal utilization of the potential of Carob tree in the Region of Crete" (Prefecture of Crete, coordinator Prof. K. Kalantidis).

**Publications in peer-reviewed journals:**

1. **Pratsinis H**, Kletsas D, Stathakos D (1997) "Autocrine growth regulation in fetal and adult human fibroblasts" *Biochem. Biophys. Res. Commun.* **237**: 348-353.
2. **Pratsinis H**, Saetta A, Gagos S, Davaris P (1998) "Isolation and characterization of a novel bladder cancer cell line" *In Vitro Cell. Dev. Biol. - Animal* **34**: 722-728.
3. Kletsas D, **Pratsinis H**, Zervolea I, Handris P, Sevaslidou E, Ottaviani E, Stathakos D (2000) "Fibroblast responses to exogenous and autocrine growth factors relevant to tissue repair: The effect of ageing" *Ann. N.Y. Acad. Sci.* **908**: 155-166.
4. **Pratsinis H**, Demoliou-Mason C, Hughes A, Kletsas D (2000) "A novel in vitro model of conditionally immortalized human vascular smooth muscle cells: a tool for ageing studies" *Ann. N.Y. Acad. Sci.* **908**: 321-323.
5. Tsagarakis S, Tsigos C, Vassiliou V, Tsiotra P, **Pratsinis H**, Kletsas D, Trivizas P, Nikou A, Mavromatis T, Sotsiou F, Raptis S, Thalassinos N (2001) "Food-Dependent Androgen and Cortisol Secretion by a Gastric Inhibitory Polypeptide-Receptor Expressive Adrenocortical Adenoma Leading to Hirsutism and Subclinical Cushing's Syndrome: *In Vivo* and *In Vitro* Studies" *J. Clin. Endocr. Metab.* **86**: 583-589.
6. Magiatis P, **Pratsinis H**, Kalpoutzakis E, Konstantinidou A, Davaris P, Skaltsounis A-L (2001) "Hydrolyzable tannins, the active constituents of three greek *Cytinus* taxa against several tumor cell lines" *Biol. Pharm. Bull.* **24**: 707-709.
7. Kasiotis CM, Magiatis P, **Pratsinis H**, Skaltsounis A-L, Abadji V, Charalambous A, Moutsatsou P, Haroutounian SA (2001) "Synthesis and biological evaluation of novel daunorubicin-estrogen conjugates" *Steroids* **66**: 785-791.
8. **Pratsinis H**, Haroutounian SA (2002) "Synthesis and antioxidant activity of 3-substituted guaiazulene derivatives" *Nat. Prod. Lett.* **16**: 201-205.
9. Kolokythas G, Kostakis I, Pouli N, Marakos P, Skaltsounis AL, **Pratsinis H** (2002) "Design and Synthesis of Some New Pyranoxanthenone Aminoderivatives with Cytotoxic Activity" *Bioorg. Med. Chem. Lett.* **12**: 1443-1446.
10. Gonos ES, Agrafiotis D, Dontas AS, Efthimiopoulos S, Galaris D, Karamanos NK, Kletsas D, Kolettas E, Panayotou G, **Pratsinis H**, Sekeri-Pataryas KE, Simoes D, Sourlingas TG, Stathakos D, Stratigos AJ, Tavernarakis N, Trougkos IP, Tsiganos CP, Vynios DH (2002) "Ageing research in Greece" *Exp. Gerontol.* **37**: 735-747.
11. Kostakis IK, Magiatis P, Pouli N, Marakos P, Skaltsounis A-L, **Pratsinis H**, Léonce S, Pierré A (2002) "Design, Synthesis and Antiproliferative Activity, of some New Pyrazole Fused Aminoderivatives of the Pyranoxanthenone, Pyranothioxanthenone and Pyranoacridone Ring Systems: A New Class of Cytotoxic Agents" *J. Med. Chem.* **45**: 2599-2609.
12. Harvala E, Aligiannis N, Skaltsounis A-L, **Pratsinis H**, Lambrinidis G, Harvala C, Chinou I (2002) "Cytotoxic Germacranolides from *Inula verbascifolia* subsp. *methanea*" *J. Nat. Prod.* **65**: 1045-1048.
13. Aligiannis N, Pouli N, Marakos P, Skaltsounis A-L, **Pratsinis H** (2002) "Synthesis and cytotoxic activity of a new potent daunomycinone derivative" *Bioorg. Med. Chem. Lett.* **12**: 3505-3507.
14. **Pratsinis H**, Tsagarakis S, Zervolea I, Giannakopoulos F, Stathakos D, Thalassinos N, Kletsas D (2002) "Chronic in vivo exposure to glucocorticoids prolongs cellular lifespan: the case of Cushing's syndrome-patients' fibroblasts" *Exp. Gerontol.* **37**: 1237-1245.

15. Fokialakis N, Magiatis P, Mitaku S, **Pratsinis H**, Tillequin F, Sévenet T (2003) "Estrogenic activity of phenylpropanoids from *Sarcomelicope megistophylla* and structure determination of a new norneolignan" *Planta Med.* **69**: 566-568.
16. Kolokythas G, Kostakis IK, Pouli N, Marakos P, Kletsas D, **Pratsinis H** (2003) "Synthesis and cytotoxic activity of some new aza-pyrano-xanthone aminoderivatives" *Bioorg. Med. Chem.* **11**: 4591-4598.
17. Koullias GJ, **Pratsinis CI**, Korkolis DP, Kouraklis G, Papadopoulos SA, Davaris PS, Golematis BC (2003) "Brief tamoxifen pre-treatment enhances the chemosensitivity of gastric carcinoma cells to 5-fluorouracil in vitro" *Anticancer Res.* **23**: 1575-1580.
18. Eliades T, **Pratsinis H**, Kletsas D, Eliades G, Makou M (2004) "Characterization and cytotoxicity of ions released from stainless steel and nickel-titanium orthodontic alloys" *Am. J. Orthod. Dentofacial Orthop.* **125**: 24-29.
19. Fokialakis N, Lambrinidis G, Mitsiou DJ, Aligiannis N, Mitakou S, Skaltsounis A-L, **Pratsinis H**, Mikros E, Alexis MN (2004) "A New Class of Phytoestrogens: Evaluation of the Estrogenic Activity of deoxybenzoins" *Chem. Biol.* **11**: 397-406.
20. **Pratsinis H**, Giannouli CC, Zervolea I, Psarras S, Stathakos D, Kletsas D. (2004) "Differential proliferative response of fetal and adult human skin fibroblasts to TGF- $\beta$ " *Wound Rep. Reg.* **12**: 374-383.
21. Athanasas K, Magiatis P, Fokialakis N, Skaltsounis A-L, **Pratsinis H**, Kletsas D (2004) "Hyperjovinols A and B: two new phloroglucinol derivatives from *Hypericum jovis* with antioxidant activity in cell cultures" *J. Nat. Prod.* **67**: 973-977.
22. Kletsas D, **Pratsinis H**, Mariatos G, Zacharatos P, Gorgoulis VG (2004) "The pro-inflammatory phenotype of senescent cells: the p53-mediated ICAM-1 expression" *Ann. N.Y. Acad. Sci.* **1019**: 330-332.
23. Papoutsi Z, Kassi E, Papaevangelidou D, **Pratsinis H**, Zoumpourlis V, Halabalaki M, Mitakou S, Kalofoutis A, Moutsatsou P (2004) "Plant 2-arylobenzofurans demonstrate a selective estrogen receptor modulator profile" *Steroids* **69**: 727-734.
24. Gorgoulis VG, **Pratsinis H**, Zacharatos P, Demoliou C, Sigala F, Asimacopoulos PJ, Papavassiliou AG, Kletsas D (2005) "p53-Dependent ICAM-1 Over-Expression In Senescent Human Cells. Their Identification In Atherosclerotic Lesions." *Lab. Investigation* **85**: 502-511.  
(The two first authors have contributed equally)
25. Zervolea I, **Pratsinis H**, Tsagarakis S, Karavitaki N, Stathakos D, Thalassinos N, Kletsas D (2005) "The impact of chronic in vivo glucocorticoid excess on the functional characteristics of human skin fibroblasts obtained from patients with endogenous Cushing's syndrome." *Eur. J. Endocrinol.* **152**: 895-902.  
(The two first authors have contributed equally)
26. Stathakos D, **Pratsinis H**, Zachos I, Vlahaki I, Gianakopoulou A, Zianni D, Kletsas D (2005) "Greek centenarians: Assessment of functional health status and life style characteristics." *Exp. Gerontol.* **40**: 512-518.
27. Kostakis IK, Tenta R, Pouli N, Marakos P, Skaltsounis AL, **Pratsinis H**, Kletsas D (2005) "Design, synthesis, and antiproliferative activity of some novel aminosubstituted xanthenones, able to overcome multidrug resistance toward MES-SA/Dx5 cells." *Bioorg. Med. Chem. Lett.* **15**: 5057-5060.
28. Psarras S, Volonaki E, Skevaki CL, Xatzipsalti M, Bossios A, **Pratsinis H**, Tsigkos S, Gourgiotis D, Constantopoulos AG, Papapetropoulos A, Saxoni-Papageorgiou P, Papadopoulos NG (2006)

- “Vascular endothelial growth factor–mediated induction of angiogenesis by human rhinoviruses.” *J. Allergy Clin. Immunol.* **117**: 291-297.
29. Kundakovic T, Fokialakis N, Dobric S, **Pratsinis H**, Kletsas D, Kovacevic N, Chinou I (2006) “Evaluation of the Anti-inflammatory and Cytotoxic Activities of Naphthazarine Derivatives from *Onosma leptantha*” *Phytomedicine* **13**: 290-294.
  30. Kolokythas G, Pouli N, Marakos P, **Pratsinis H**, Kletsas D. (2006) “Design, synthesis and antiproliferative activity of some new azapyranoxanthenone aminoderivatives.” *Eur. J. Med. Chem.* **41**: 71-79.
  31. Kostakis IK, Pouli N, Marakos P, Skaltsounis AL, **Pratsinis H**, Kletsas D (2006) “Design and synthesis of novel aminosubstituted xanthenones and benzo[b]xanthenones: Evaluation of their antiproliferative activity and their ability to overcome multidrug resistance towards MES-SA/Dx5 cells.” *Bioorg. Med. Chem.* **14**: 2910-2934.
  32. Halabalaki M, Alexi X, Aligiannis N, Lambrinidis G, **Pratsinis H**, Florentin I, Mitakou S, Mikros E, Skaltsounis AL, Alexis MN (2006) “Estrogenic Activity of Isoflavonoids from *Onobrychis ebenoides*.” *Planta Med.* **72**: 488-493.
  33. Konstantopoulou MA, **Pratsinis H**, Kletsas D, Mazomenos BE (2006) “Pheromone binding protein and general odorant binding protein of *Sesamia nonagrioides* (Lepidoptera: Noctuidae): Sex and diel dependent expression.” *Entomologia Experimentalis et Applicata* **119**: 129-136.
  34. Hadjipavlou C, Kostakis IK, Pouli N, Marakos P, **Pratsinis H**, Kletsas D (2006) “Synthesis and antiproliferative activity of substituted benzopyranoisoindoles: A new class of cytotoxic compounds.” *Bioorg. Med. Chem. Lett.* **16**: 4822-4825.
  35. **Pratsinis H**, Tsagarakis S, Zervolea I, Stathakos D, Thalassinos N, Kletsas D (2006) “The Unexpected Anabolic Phenotype and Extended Longevity of Skin Fibroblasts after Chronic Glucocorticoid Excess.” *Dose-Response* **4**: 133-144.
  36. Papadimitriou K, **Pratsinis H**, Nebe-von-Caron G, Kletsas D, Tsakalidou E (2006) “Rapid assessment of the physiological status of *Streptococcus macedonicus* by flow cytometry and fluorescence probes.” *Int. J. Food Microbiol.* **111**: 197-205.
  37. Papadimitriou K, **Pratsinis H**, Nebe-von-Caron G, Kletsas D, Tsakalidou E (2007) “Acid tolerance of *Streptococcus macedonicus* assessed by flow cytometry and single cell sorting.” *Appl. Environ. Microbiol.* **73**: 465-476.
  38. Metwally K, **Pratsinis H**, Kletsas D (2007) “Pyrimidino[4,5-c]quinolin-1(2H)-ones as a novel class of antimetabolic agents: synthesis and in vitro cytotoxic activity.” *Eur. J. Med. Chem.* **42**: 344-350.
  39. Kletsas D, **Pratsinis H**, Gioni V, Pilichos K, Yiacoymettis AM, Tsagarakis S (2007) “Prior chronic in vivo glucocorticoid excess leads to an anabolic phenotype and an extension of cellular lifespan of skin fibroblasts in vitro.” *Ann. N.Y. Acad. Sci.* **1100**: 449-454.
  40. Kassi E, Papoutsi Z, **Pratsinis H**, Aligiannis N, Manoussakis M, Moutsatsou P (2007) “Ursolic acid, a naturally occurring triterpenoid, demonstrates anticancer activity on human prostate cancer cells.” *J. Cancer Res. Clin. Oncol.* **133**: 493-500.
  41. Katsanou ES, Halabalaki M, Aligiannis N, Mitakou S, Skaltsounis AL, Alexi X, **Pratsinis H**, Alexis MN (2007) “Cytotoxic effects of 2-arylbenzofuran phytoestrogens on human cancer cells: Modulation by adrenal and gonadal steroids.” *J. Steroid Biochem. Mol. Biol.* **104**: 228-236.
  42. **Pratsinis H**, Kletsas D (2007) “PDGF, bFGF and IGF-I stimulate the proliferation of intervertebral disc cells in vitro via the activation of the ERK and Akt signaling pathways.” *Eur. Spine J.* **16**: 1858-1866.

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**Evaluation of published papers:**

- **2743** citations including **163** self-citations, based on the Citation Index of Scopus database (Elsevier B.V.).
- Total impact factor of published papers **436.615** (based on 2020 impact factors).
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**Book Chapters :**

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### **Patents:**

ONOBRYCHIS AND GENISTA DERIVED PRODUCTS FOR THE PREVENTION AND THERAPY OF HORMONE-DEPENDENT DISEASES, Patent Number: 1004825, Date: 23-2-2005, Inventors: HALABALAKI MARIA, FOKIALAKIS NIKOLAOS, SKALTSOUNIS ALEXIOS-LEANDROS, MITAKOU SOFIA, ALIGIANNIS NEKTARIOS, ALEXIS MICHALIS, **PRATSINIS I. CHARALAMPOS**

Use of mastic and its components for the control of microbial infections, Patent number: US2005238740, Publication Date: 27-10-2005, Inventors: FOTINOS SPIROS (GR); PANAITESCU LIGIA (GR); KLETSAS DIMITRIS (GR); **PRATSINIS HARRIS** (GR); ZERVOLEA IRENE (GR); SKALTSOUNIS ALEXIOS-LEANDROS (GR); MITAKOU SOFIA (GR); MAGIATIS PROKOPIOS (GR), Applicant: LAVIPHARM SA (GR)

METHOD FOR THE DETECTION AND EVALUATION OF THE ACTIVITY OF CHEMICAL COMPOSITIONS OR EXTRACTS ON IN-VITRO CELLULAR SYSTEMS, Patent Number: 1006956, Date: 6-9-2010, Inventors: KLETSAS P. DIMITRIOS, **PRATSINIS I. CHARALAMPOS**

### **166 Scientific Communications**

#### **Invited Talks:**

- H. Pratsinis** "Intervertebral disc degeneration: The role of cell proliferation", National Hellenic Research Foundation, January 14, 2015, Athens, Greece (invited talk).
- H. Pratsinis** "Cellular senescence and its role *in vivo*". Workshop on "Therapy standardization in allergic conditions" organized by the Allergy & Clinical Immunology Unit of the Second Pediatric Clinic and the Allergy College of Children's Hospital, May 8-10, 2015, Portaria, Greece (invited speaker).
- H. Pratsinis** "Cellular senescence and its role *in vivo*", Educational Seminar "Current developments and trends in natural sciences" organized by the Administration of Secondary Education of Athens, February 22, 2017, Athens, Greece (invited talk).
- H. Pratsinis** "Biological activities of the carob tree products", 1<sup>st</sup> Mediterranean Conference "Carob Tree: The Coming Back", April 20, 2019, Panormo, Greece (invited talk).
- C. Almpani, A. Santorinaiou, L. Kikidou, S. Grammatikaki, E. Livaniou, D. Kletsas, **H. Pratsinis** "Responses of Human Skin Fibroblasts to Thymosinic Peptides Related to Wound Repair", 9<sup>th</sup> International Conference on Oxidative Stress in Skin Biology and Medicine, September 9-12, 2021 (online event).