

**Constantinos Stathopoulos, Ph.D.**

Professor

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**POSITIONS AND EMPLOYMENT**

- 2014- *Professor* of Biochemistry (protein biosynthesis), University of Patras, School of Medicine, Department of Biochemistry, University of Patras, Patras, Greece. Elected June 3<sup>rd</sup> 2014, Appointed August 26<sup>th</sup> 2014.
- 2008-2014 *Associate Professor* of Biochemistry (protein biosynthesis), University of Patras, School of Medicine, Department of Biochemistry, University of Patras, Patras, Greece. Elected April 4<sup>th</sup> 2008, Appointed June 1<sup>st</sup> 2009.
- 2007-2008 *Group Leader*, Institute of Biomedical Research (BIOMED), Center for Research and Development of Thessaly, Larissa, Greece.
- 2002-2008 *Assistant Professor* of Biochemistry, Department of Biochemistry and Biotechnology, University of Thessaly, Larissa, Greece.
- 2001-2002 *Teaching Associate (Assistant Professor level)* Department of Biochemistry and Biotechnology, University of Thessaly, Larissa, Greece (6 months appointment).

**EDUCATION AND TRAINING**

- 1998-2001 *Postdoctoral Research Associate*, Department of Molecular Biophysics and Biochemistry, Yale University, USA, Adviser Professor Dieter Söll.
- 1998 *Postdoctoral Research Fellow*, Department of Biochemistry, School of Medicine, University of Patras, Greece, Adviser Professor Denis Drinas (10 months appointment).
- 1996-1998 *Mandatory Military Service*, Hellenic Air Force (21 months).
- 1996 *Doctor of Philosophy*, Department of Biochemistry, School of Medicine, University of Patras, Greece. Thesis: "Studies of Ribonuclease P". Supervisor: Professor Denis Drinas. Completed July 1996, Defense February 2007.
- 1991 Diploma (B.Sc.) in Biology (4 years, including research diploma thesis), Department of Biology, School of Sciences, University of Patras, Greece.

**DISTINCTIONS**

- 2014 Co-Chair, 25th tRNA Conference.
- 2013 Chairman, "RNA biology" session at the 63<sup>rd</sup> Annual Conference of the Greek Society for Biochemistry & Molecular Biology.
- 2012 Chairman, "RNA biology" session at the 63<sup>rd</sup> Annual Conference of the Greek Society for Biochemistry & Molecular Biology.
- 2011 Chairman, "Microbes as research tools" session at the 5<sup>th</sup> Conference of MIKROBIOKOSMOS.
- 2010 1<sup>st</sup> Oral Presentation Award at the 5<sup>th</sup> Conference of MIKROBIOKOSMOS.
- 2008 Poster Presentation Award, 61<sup>st</sup> Conference of the Hellenic Society for Biochemistry and Molecular Biology.
- 2008 Member of the Organizing Committee of the 33th FEBS – 11<sup>th</sup> IUBMB Congress.
- 2007 33th FEBS – 11<sup>th</sup> IUBMB Congress, The Bodossakis Foundation Poster Award.
- 2006 58<sup>th</sup> Conference of the Hellenic Society for Biochemistry and Molecular Biology, Oral Presentation Award.
- 2006 62<sup>nd</sup> Hellenic Society of Orthopaedics & Trauma Conference, 1<sup>st</sup> Prize.
- 2005 57<sup>th</sup> Conference of the Hellenic Society for Biochemistry and Molecular Biology, Oral

	Presentation Award.
2004	Member of the Organizing Committee of the 56 <sup>th</sup> Conference of the Hellenic Society for Biochemistry and Molecular Biology
1994	N.A.T.O. Travel Award for the International Summer School on Molecular and Cellular Biology "A world of RNA: Structure and Function".

## PROFESSIONAL SERVICE

### Grant reviewing

2011	Reviewer <i>Ad hoc</i> , State Scholarships foundation, MSc applications.
2010	Reviewer <i>Ad hoc</i> , General Secretariat of Research and Technology, "SYERGASIA" Grants.
2009	Reviewer <i>Ad hoc</i> , General Secretariat of Research and Technology, "HERAKLEITOS" Grants.
2005-2009	Member <i>Ad hoc</i> , Committee for the Annual General Exams for entering the Greek Universities, Ministry of Education.

### Editorships and service as a reviewer for journals

2010-present	Guest editor: <i>International Journal of Molecular Sciences</i> , Special Issues on "Non-coding RNA" (IF: 2.598).
2014-present	<i>International Journal of Molecular Sciences</i> <b>Member of the Editorial Board</b>

2001-present	Reviewer for:
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<i>Nucleic Acids Research</i>	<i>J Molecular Biology</i>	<i>Biochemistry</i>	<i>Mol Microbiol</i>	<i>BBA</i>
<i>Life Sciences</i>	<i>Arch Biochem and Bioph</i>	<i>Immunobiology</i>	<i>Exp</i>	<i>Protein Express Purif</i>
<i>Clin Exp Pharmac and Physiol</i>	<i>Clinica Chemica Acta</i>	<i>Croatica Chemica Acta</i>	<i>Dermatology</i>	<i>J Medical Res</i>
<i>IJMS</i>	<i>Mol Biol Rep</i>	<i>FEBS Letters</i>	<i>J Neurol Sci</i>	<i>Current Med Chem</i>
<i>J Antimicrob Chemoth</i>	<i>Protein and Peptide Letters</i>	<i>Mol Biol Evolution</i>		

## ADMINISTRATIVE SERVICE

### University of Patras

2014-present	Head, Committee for Academic Quality Assessment, School of Medicine.
2013-present	Member, Committee for Academic Quality Assessment, University of Patras.
2009-present	Member, Committee for Academic Quality Assessment, School of Medicine.
2010-2013	Vice President, ERASMUS Committee, School of Medicine.
2009-present	Executive director, Unit for Special Biochemical Analyses.
2009-2011	Member, General Assembly of the School of Medicine.
2009-2011	Member and Evaluator, Undergraduate Curriculum Committee.
2009-2011	Member (Administrative), Postgraduate Program in Medical Physics.
2010-2011	Member (Administrative), Postgraduate Program in Chemical Biology.
2011-present	Member, Committee for labour safety and hygiene, School of Medicine.

### University of Thessaly

2007-2008	Member, Board of Biomedical Research Institute, Larissa.
2006-2008	Member, Board of the Graduate Program of the Department of Biochemistry and Biotechnology, University of Thessaly.
2004-2006	Member, Union of the University of Thessaly faculty members.
2002-2008	Head of the laboratory of Functional Biochemistry, Department of Biochemistry and Biotechnology, University of Thessaly.
2003-2008	<i>Ad hoc</i> member of evaluation committees for faculty positions, Department of Biochemistry and Biotechnology, University of Thessaly.
2004-2005	Member, Research Committee of the University of Thessaly.
2004-2005	Member, General Assembly of the University of Thessaly.

2002-200	Member, General Assembly, Department of Biochemistry and Biotechnology.
<i>Other services</i>	
2009-present	ERASMUS coordinator, University of Strasbourg, France.
2002-2009	ERASMUS coordinator, University of Strasbourg, France; University of Paris-Sud XI, France; University of Tübingen, Germany; University of Düsseldorf, Germany. School of Medicine.
2009-2011	National representative and member, FP7 COST Action BM0906 "Regulatory RNAs in bacterial pathogenicity".
2010-present	Member, BIOSTRUCT-X 1196 Instruct Ellas (Structural Biology Network).
2010-present	Member, EATRIS-Greece (Translational Research Network).
2009-2011	Member, University Intramural Network on research for novel anti-microbial and anti-inflammatory compounds.
2009-2011	Member, University Intramural Network on research for novel anti-microbial and anti-inflammatory compounds.
2009-2011	Member, University Intramural Network on research for research and applications of molecular genetics in health.
<i>Memberships</i>	
	Hellenic Society of Biochemistry & Molecular Biology
	Hellenic Society of Biological Sciences
	Hellenic Union of Bio-scientists
	Hellenic Proteomics Society
	Hellenic Society of Biotechnology
	International Society for Infectious Diseases (corresponding member)
	European Society of Clinical Microbiology and Infectious Diseases
	The RNA Society (2007-2010)
	European Protein and Peptides Society
	National Initiative MIKROBIOKOSMOS
	National Initiative for Translational Research EATRIS-GR
	National Initiative for Structural Biology BIOSTRUCT

## INVITED PRESENTATIONS

2001	IBMC-CNRS Strasbourg, France.
2002	AARS 2002, Pacific Grove CA., U.S.A.
2002	CNRS Gif-sur-Yvette (Paris), France.
2004	Department of Chemistry, University of Thessaloniki, Greece.
2004-2008	University of Patras, Graduate Program in Basic Medical Sciences.
2004	56 <sup>th</sup> Conference of the Hellenic Society of Biochemistry and Molecular Biology (speaker and member of the organizing committee).
2005-present	Department of Biology, University of Athens, Graduate Program on Microbial Systems.
2005	Department of Biochemistry, University of Tübingen, Germany.
2005	University of Thessaly, School of Medicine, Graduate Program "Primary Care".
2006	Nano2Life 2007 "-omics and Nanotechnology in Biomedicine", Larissa, Greece.
2007	5 <sup>th</sup> Annual National Conference on Medical Bio-pathology.
2008	2 <sup>nd</sup> Symposium on Medical Education, Larissa, Greece.
2010	1 <sup>st</sup> World Congress in Biotechnology, Hyderabad, India (not attended).
2011	1 <sup>st</sup> Annual Symposium of Bacteriology and Infection (SBI-2011), Beijing, China (not attended).
2012	63 <sup>o</sup> Conference of the Hellenic Society of Biochemistry and Molecular Biology (speaker and session chair).
2013	Department of Biology, University of Athens.
2014	BIT's Major Diseases Clinical Summit-2013, Warsaw, Poland (not attended).
2014	University of Ioannina, School of Medicine, Ioannina, Greece.
2015	Max Planck Institute for Developmental Biology 5 <sup>th</sup> TIPP Retreat 16-18 July, Tübingen, Germany.

## STUDENTS AND TRAINEES

### *Doctoral Students (dissertation advisor)*

2015-	Ilias Skeparnias
Completed 2015	Dimitrios Anastasakis
Completed 2015	Maria Apostolidi
Completed 2011	Zoe Karoulia
Completed 2009	Stamatina Giannouli

### *Masters Students (thesis advisor)*

2015-	Athanasios Shaukat
2013-2015	Ilias Skeparnias
2012-2015	Thenia Konstantinidou
2010-2012	Stefanos Fakiolas
2009-2011	Maria Apostolidi
2009-2011	Dimitrios Anastasakis
2008-2010	Athanasios Kyritsis
2007-2009	Georgia Katsogridaki

### *Doctoral Students (dissertation committee member)*

9 PhD completed; 6 PhD in progress, 4 MSc. completed, 2 PhD abroad completed (University of Strasbourg, France)

### *Senior Undergraduate Theses*

2004	Stamatina Giannouli
2004	Vassiliki Stamatopoulou
2004	Kalliope Trachana
2004	Georgia Tsagkogeorga
2005	Vaia Gota
2005	Demetra Giatsiou
2005	George Konstantinidis
2005	Maria Thanasoula
2005	Anastasia Hatziprimou
2006	Antigone Diokmetzidou
2007	Dimitrios Zattas
2007	Dimitrios Anastasakis
2007	Athanasios Kyritsis
2007	Nikolaos Malissovass
2007	Anthe Katsiarimba
2007	Ioanna Karamichali
2008	Maria Apostolidi
2008	Constantinos Mitzithras
2009	Maria Papathanasiou
2009	Vasileios Paschalis
2012	Ilias Skeparnias
2014	Christianna Genethliou
2015	Konstantina Papakonstantinou
2015	Athanasios Shaukat
Current	Despoina Psychogiou
Current	Iason Karyofyllis
Current	Penny Davelou

## TEACHING

2009-present, Department of Biochemistry, School of Medicine University of Patras.

Undergraduate courses: Biochemistry I, II, III and Clinical Biochemistry (optional)

Graduate courses in the Postgraduate Program "Applications of Basic Medical Sciences": Molecular

mechanisms of transcription and translation (coordinator), Biomedical instrumentation (coordinator), Invited speakers seminars (coordinator), Current bibliography, Current research topics, Biochemistry of disease, Advanced courses in molecular and cellular biology.

2014-present, Inter-Departmental Postgraduate Program in “Biotechnology” University of Ioannina, Greece.

2012-present, Inter-Departmental Postgraduate Program in “Life Sciences Informatics” University of Patras, Greece Courses on RNA biology for the “Genes and Genomes” module.

2003-present, Department of Biology University of Athens, Postgraduate Program in “Microbial Biotechnology” Courses on “Microbial Systems and their applications”

2002-2009, Department of Biochemistry & Biotechnology, University of Thessaly.

Undergraduate courses: Biochemistry I & II, Enzymology, Metabolic Regulation, Analytical Biochemistry

Graduate courses: Flow of the genetic information (coordinator), Quantitative and quality methods of analysis-Biomarkers (coordinator), Current topics in clinical chemistry.

2001-2002, Teaching Assistant Professor, Department of Biochemistry & Biotechnology, University of Thessaly, Larissa, Greece.

## EXTRAMURAL FUNDING

2002-2005	Greek Ministry of Education 2002, “HERAKLEITOS I” Grants: Collaborating research group (40.000 €)
2003-2006	Greek Secretariat of Research and Technology 2003, Greece-France Bilateral collaboration (PLATON-EGIDE): Coordinator (15.000 €)
2003	University of Thessaly, Intramural Collaboration Grants 2003: Co-Investigator (5.000 €)
2004-2007	Greek Ministry of Education “PYTHAGORAS I” Grants 2004: Collaborating research group (40.000 €)
2005-2006	University of Thessaly Research Committee 2005: Coordinator (3.000 €)
2007-2008	Greek Society of Orthopaedics & Trauma: Coordinator (BIOMED Institute) (10.000 €)
2008-2009	European Society of Clinical Microbiology and Infectious Diseases 2008 Grants, Collaborating research group (20.000 €)
2009-2011	European Union, Framework Program 7, COST Action 2009 BM0906, Collaborating research group (200.000 €)
2011-2013	University of Patras Research Committee, “Karatheodoris” Grants: Coordinator (33.000 €)
2011-2013	Hellenic Society of Orthopaedics & Trauma 2011: Collaborating research group (10.000€)
2012-2015	GSRT 2011 ARISTEIA “Excellence” Grants: Coordinator (175.000€)

## PUBLICATIONS

Published or in press: **61**

Submitted: -

In preparation: **1**

First author: **10**

Corresponding or senior author: **22** (21 published, 1 in preparation)

Citations: **1270** (Google Scholar), **940** (Scopus)

*h* index: **20** (Google Scholar), **18** (Scopus)

Median Impact factor 2012: **4.8**

Abstracts in international conferences: **43**

Abstracts in national conferences: **76**

Book chapters: **1**

**C. Stathopoulos**, Studies on Ribonuclease P from the slime mold *Dictyostelium discoideum*. Ph.D. Thesis, University of Patras, School of Medicine, 1996.

1. **Stathopoulos C.**, Kalpaxis D.L., and Drinas D. (1995) Partial purification and characterization of RNase P from *Dictyostelium discoideum*. *Eur. J. Biochem.* 228: 976-980. (IF: 4.250)
2. Tekos A., **Stathopoulos C.**, and Drinas D. (1998) Bimodal action of the alkaline earth cations on *Dictyostelium discoideum* ribonuclease P activity. *Biochemistry* 37: 15474-15480. (IF: 3.582)
3. Tekos A., Tsagla A., **Stathopoulos C.**, and Drinas D. (1999) Inhibition of *Dictyostelium discoideum* ribonuclease P activity by aminoglycosides. *Nucleic Acids Symp. Series* 41: 152-154. (IF: -)
4. Tumbula D., Vothknecht U.C., Kirn H., Ibba M., Min B., Li T., Pelaschier J., **Stathopoulos C.**, Becker H. D. and Söll D. (1999) Archaeal aminoacyl-tRNA synthesis: diversity replaces dogma. *Genetics* 152: 1269-1276. (IF: 4.389)
5. Li T., Graham D. E., **Stathopoulos C.**, Haney P.J., Kirn H., Vothknecht U. C., Kitabatake M., Hong K., Eggertsson G., Curnow A.W., Lin W., Celic I., Whitman W. and Söll D. (1999) Cysteinyl-tRNA formation: the last puzzle of aminoacyl-tRNA synthesis. *FEBS Letters* 462: 302-306. (IF: 3.582)
6. Papadimou E., Monastirli A., **Stathopoulos C.**, Tsambaos D., and Drinas D. (2000) Modulation of ribonuclease P activity by calcipotriol. *Eur. J. Biochem.* 267: 1173-1177. (IF: 4.250)
7. **Stathopoulos C.**, Tsagla A., Tekos A., and Drinas D. (2000) Effect of peptidyltransferase inhibitors on ribonuclease P activity from *Dictyostelium discoideum*. *Mol. Biol. Reports* 27: 107-111. (IF: 2.506)
8. Tekos A., Tsagla A., **Stathopoulos C.** and Drinas D. (2000) Inhibition of eukaryotic ribonuclease P activity by aminoglycosides. Kinetic studies. *FEBS Letters* 485: 71-75. (IF: 3.582)
9. **Stathopoulos C.**, Li T., Longman R., Vothknecht U.C., Becker H.D., Ibba M. and Söll D. (2000). One polypeptide with two aminoacyl-tRNA synthetase activities. *Science* 287: 479-482. (IF: 31.027)
10. Ibba M., Becker H. D., **Stathopoulos C.**, Tumbula D. and Söll D. (2000) The adaptor hypothesis revisited. *Trends Biochem. Sci.* 25: 311-316. (IF: 13.076)
11. Bunjun S. (\*), **Stathopoulos C. (\*)**, Graham D., Min B., Kitabatake M., Wang A.L., Wang C.C., Vivares C.P., Weiss L.M. and Söll D. (2000) A dual-specificity aminoacyl-tRNA synthetase in the deep rooted eukaryote *Giardia lamblia*. *Proc. Natl. Acad. Sci. USA* 97: 12997-13002. (IF: 9.737) (\*) equal contribution, first co-authors.
12. **Stathopoulos C.**, Jacquin-Becker C., Becker H.D., Li T., Ambrogelly A., Longman R. and Söll D. (2001) *Methanococcus jannaschii* Prolyl-Cysteinyl-tRNA synthetase possesses overlapping amino acid binding sites. *Biochemistry* 40: 46-52. (IF: 3.377)
13. **Stathopoulos C.**, Tekos A., Zarkadis, I. and Drinas D. (2001) Extensive deproteinization of *Dictyostelium discoideum* RNase P reveals a new catalytic activity. *Eur. J. Biochem.* 268: 2134-2140. (IF: 4.250)
14. Ibba M., **Stathopoulos C.** and Söll D. (2001). Protein Synthesis: 23 Amino acids and counting. *Current Biology* 11: 563-565. (IF: 9.494)
15. Ruan B., Ahel I., Ambrogelly A., Becker H. D., Bunjun S., Feng L., Tumbula D., Ibba M., Korencic D., Kobayashi H., Jacquin-Becker C., Mejlhede N., Min B., Racznik G., Rinehart J., **Stathopoulos, C.**, Li T. and Söll D. (2001). Genomics and the evolution of aminoacyl-tRNA synthesis. *Acta Biochim. Pol.* 48: 313-321. (IF: 1.185)
16. **Stathopoulos C.**, Kim W., Li T., Anderson I., Palioura S., Whitman W. and Söll D. (2001) Cysteinyl-tRNA synthetase is not essential for the viability of the archaeon *Methanococcus maripaludis*. *Proc. Natl. Acad. Sci. USA* 98: 14292-14297. (IF: 9.737)
17. Feng L., **Stathopoulos C.**, Ahel I., Mitra A., Hartsch T., Tumbula D. and Söll D. (2002). Aminoacyl-tRNA formation in the hyperthermophile *Thermus thermophilus*. *Extremophiles* 6: 167-174. (IF: 2.203)
18. Jacquin-Becker C., Ahel I., Ambrogelly A., Ruan B. Söll D. and **Stathopoulos C.** (2002) Cysteinyl-tRNA formation and prolyl-tRNA synthetase *FEBS Letters* 514: 34-36. (IF: 3.582)
19. **Stathopoulos C.**, Ahel I., Ambrogelly A., Becker H., Bunjun S., Feng L., Herring S., Jacquin-Becker C., Kobayashi H., Korencic D., Krett B., Mejlhede N., Min B., Nakano H., Namgoong S., Polycarpo C., Racznik G., Rinehart J., Rosas-Sandoval G., Ruan B., Sabina J., Sauerwald A., Toogood H., Tumbula-Hansen D., Ibba M. and Söll D. (2002). Aminoacyl-tRNA synthesis: a post-genome perspective. *Cold Spring Harbor Symp. Quant. Biol.* Vol. LXVI 175-183. (IF: 0.876)
20. Ahel I., **Stathopoulos C.**, Ambrogelly A., Sauerwald A., Toogood H., Hartsch T. and Söll D. (2002) Cysteine activation is an inherent property of prolyl-tRNA synthetases. *J. Biol. Chem.* 277: 34743-34748. (IF: 4.651)
21. Ambrogelly A., Ahel I., Polycarpo C., Bunjun-Srihari S., Krett B., Jacquin-Becker C., Kohrer C., **Stathopoulos C.**, RajBhandary U.L. and Söll D. (2002) *Methanocaldococcus jannaschii* prolyl-tRNA synthetase charges tRNA<sup>Pro</sup> with cysteine. *J. Biol. Chem.* 277: 34749-34754. (IF: 4.651)
22. Kalavrizioti D., Vourekas A., Tekos A., **Stathopoulos C.** and Drinas D. (2003) Kinetics of inhibition of ribonuclease P activity by peptidyl-transferase inhibitors *Mol. Biol. Reports* 30: 9-15. (IF: 2.506)
23. Kamtekar S., Kennedy D.W., Wang J., **Stathopoulos C.**, Söll D. and Steitz, T.A. (2003) The structural basis of cysteine aminoacylation of tRNA<sup>Pro</sup> by prolyl-tRNA synthetases *Proc. Natl. Acad. Sci. USA* 100: 1673-1678. (IF: 9.737)

24. Korencic D., Ahel I., Schelert J., Sacher M., Ruan B., **Stathopoulos C.**, Blum P., Ibba, M. and Söll D. (2004) A freestanding proofreading domain is required for protein synthesis quality control in archaea. *Proc. Natl. Acad. Sci. USA* 101: 10260-10265. (IF: 9.737)
25. Tekos A. (\*), **Stathopoulos C. (\*)**, Tsambaos D. and Drainas D. (2004) RNase P: a screening system and molecular target for the development of new drugs. *Curr. Med. Chem.* 11: 2979-2989. (IF: 4.070) (\*) Equal contribution, first co-authors
26. Ruan B., Bovee M.L., Sacher M., **Stathopoulos C.**, Poralla K., Francklyn C.S. and Söll D. (2005) A unique hydrophobic cluster near the active site contributes to differences of borrelidin inhibition among threonyl-tRNA synthetases. *J. Biol. Chem.* 280: 571-577. (IF: 4.651)
27. Ambrogelly A., Kamtekar S., **Stathopoulos C.**, Kennedy D. and Söll D. (2005) Asymmetrical behavior of archaeal prolyl-tRNA synthetase *FEBS Letters* 579: 6017-6022. (IF: 3.582)
28. Kottaridi C., Bolanaki E., Mamuris Z., **Stathopoulos C.** and Markoulatos P. (2006) Molecular phylogeny of VP1, 2A and 2B genes of echovirus isolates: epidemiological linkage and observations on genetic variation *Arch. Virol.* 151: 1117-1132. (IF: 2.030)
29. Paximadi E., Karakasiliotis I., Mamuris Z., **Stathopoulos C.**, Krikelis V. and Markoulatos P. (2006) Genomic analysis of recombinant Sabin clinical isolates *Virus Genes* 32: 203-210. (IF: 1.769)
30. Vourekas A., Kalavrizioti D., **Stathopoulos C., (\*)** and Drainas D. (2006) Modulation of catalytic RNA biological activity by small molecule effectors. *M. Rev. Med. Chem.* 6: 971-978 (IF: 2.865) (\*) **corresponding author**
31. Kalavrizioti D., Vourekas A., Stamatopoulou, V., Toumpeki C., Giannouli S., **Stathopoulos C., (\*)** and Drainas D. (2006) RNA-mediated therapeutics: from gene inactivation to clinical application *Curr. Top. Med. Chem.* 6: 1737-1758 (IF: 3.702) (\*) **corresponding author**
32. Bailly M., Giannouli S., Blaise M., **Stathopoulos C. (\*)**, Kern D and Becker H. D. (2006) A single tRNA base-pair mediates bacterial tRNA-dependent biosynthesis of asparagine. *Nucleic Acids Res.* 34: 6083-6094 (IF: 8.278) (\*) **corresponding author**
33. Vourekas A., Kalavrizioti D., Tekos A., Zarkadis I., **Stathopoulos C. (\*)** and Drainas D. (2007) A 40.7 kDa Rpp30/Rpp1 homologue is a protein subunit of *Dictyostelium discoideum* RNase P holoenzyme. *Biochimie* 89: 301-310 (IF: 3.142) (\*) **corresponding author**
34. Stagos D., Spanou C., Margariti M., **Stathopoulos C.**, Mamuris Z., Kazantzoglou G., Magiatis P. and Kouretas D. (2007) Cytogenetic effects of grape extracts (*Vitis vinifera*) and polyphenols on mitomycin C-induced SCEs in human blood lymphocytes. *J. Agric. Food Chem.* 55: 5246-5252 (IF: 2.906)
35. Zifa E., Giannouli S., Theotokis P., Stamatis K., Mamuris Z. and **Stathopoulos C. (\*)** (2007) Mitochondrial tRNA mutations: functional and clinical perturbations. *RNA biology* 4: 38-66 (IF: 4.841) (\*) **corresponding author**
36. Kontou M., Kristo I., Ikonomidis A., Maniatis A., Pournaras S. and **Stathopoulos C. (\*)** (2007) Molecular cloning and biochemical characterization of VIM-12, a novel hybrid metallo- $\beta$ -lactamase from a *Klebsiella pneumoniae* clinical isolate, reveals atypical substrate specificity. *Biochemistry* 46: 13170-13178 (IF: 3.582) (\*) **corresponding author**
37. Stamatis C., Giannouli S., Suchentrunk F., Sert H., **Stathopoulos C. (\*)** and Mamuris Z. (2008) Recruitment of mitochondrial tRNA genes as auxiliary variability markers for both intra- and inter-species analyses: the paradigm of brown hare (*Lepus europaeus*) *Gene* 410: 154-164 (IF: 2.196) (\*) **corresponding author**
38. Zifa E., Theotokis P., Kaminari A., Maridaki H., Leze H., Petsiava E., Mamuris Z. and **Stathopoulos C. (\*)** (2008) A novel G3337A mitochondrial ND1 mutation related to cardiomyopathy co-segregates with tRNA<sup>Leu(CUN)</sup> A12308G and tRNA<sup>Thr</sup> C15946T mutations. *Mitochondrion* 8: 229-236 (IF: 4.025) (\*) **corresponding author**
39. Ikonomidis A., Michail G., Vasdeki A., Labrou M., Karavasilis V., **Stathopoulos C.**, Maniatis A. and Pournaras S. (2008) *In vitro* and *in vivo* evaluation of oxacillin efficiency on *mecA*-positive oxacillin-susceptible *Staphylococcus aureus*. *Antimicrob. Agents Chem.* 52: 3905-3908 (IF: 4.565)
40. Balatsos N. A. A., Anastasakis D. and **Stathopoulos C. (\*)** (2009) Inhibition of human poly(A)-specific ribonuclease (PARN) by purine nucleotides: kinetic analysis. *J. Enz. Inh. Med. Chem.* 24: 516-523 (IF: 1.495) (\*) **corresponding author**
41. Giannouli S., Kyritsis A., Malissovass N., Becker H. D. and **Stathopoulos C. (\*)** (2009) On the role of an unusual tRNA<sup>Gly</sup> isoacceptor in *Staphylococcus aureus*. *Biochimie* 91: 344-351 (IF: 3.142) (\*) **corresponding author**
42. Papatheodorou L. K., Malizos K. N., Poulitsidis L. A., Hantes M. E., Giannouli S., Grafanaki K., Ioannou M. G., Koukoulis G. K., Protopappas V. C., Fotiadis D. I. and **Stathopoulos C.** (2009) Effect of transosseous application of low-intensity ultrasound at the tendon graft-bone interface healing: Gene expression and histological analysis in rabbits. *Ultrasound Med. Biol.* 35: 576-584 (IF: 2.455)
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