

# DR. DIMITRIOS P. VLACHAKIS

Position: **Assist. Professor** Marital status: **Happily married with a baby girl**  
Lab: **Genetics Laboratory** Nationality: **Hellenic, GR**  
**Biotechnology Department** Telephone number: **+30 210 5294323**  
**Agr. University Athens** Email address/URL: [dimvl@aua.gr](mailto:dimvl@aua.gr) / [geneticslab.gr](http://geneticslab.gr)

## EDUCATION

---

- 2003 – 2006** **PhD, Doctor of Philosophy**  
Welsh School of Pharmacy, Cardiff University, UK  
Thesis: **Computer-aided drug design and biological evaluation of novel anti-viral agents**
- 2001 – 2002** **MSc, Master of Science**  
Chemistry School, Cardiff University, UK.  
Title: MSc in Molecular modelling & quantum mechanics  
Thesis: **Modelling protein-ligand interactions, docking and design of inhibitor compounds**
- 1998 – 2001** **BSc, (Honors' Degree) Biology with Biochemistry**  
Department of Science and Technology, University of Bedfordshire, UK  
Overall grade: 2:1 – 7,62out of 10 (76,2%)  
Thesis: **A study of the effect of cell immobilisation in adipocyte viability by LDH assay**
- 1995 – 1998** **Varvakios Pilot High School Graduate, Psychiko, Greece**

## RESEARCH & PROFESSIONAL EXPERIENCE

---

- 2017 - now** **Professor (Assistant)**, Genetics laboratory, Biotechnology Dept. Agricultural University of Athens  
Genetics, Genomics, Bioinformatics, Systems Biology, Under- & Postgrad student supervision.
- 2017 - now** **Adjunct Investigator**, Kings College London, Faculty of Natural & Mathematical Sciences
- 2012 - now** **Researcher**, Computational Biology & Medicine Group, BRF, **Academy of Athens**  
Bioinformatics, Simulations of biological systems, Supervision of Postgraduate students.
- 2010 - 2011** **Military Service** → *Medical Staff of Armed Ground Forces – Rank: Corporal*
- 2006 - 2010** **Collaborating Researcher**, D' grade - Lecturer level, Institute of Biology, NCSR “**Demokritos**”  
Cell Biology, Molecular Biology, Biochemistry, Supervision of Undergraduate students.
- 2005 - 2006** **Postdoctoral Fellow** in Bioinformatics, Institute of Biology, NCSR “**Demokritos**”

## SCIENTIFIC MONOGRAPH BOOKS (WITH ISBN)

---

- 2012 **ANTIVIRAL COMPUTER-AIDED DRUG DESIGN**  
[ISBN-13:978-1-300-22974-2](#), Reseller: AMAZON
- 2011 **COMPUTER-AIDED DRUG DESIGN. THE HCV FAMILY EXAMPLE**  
[ISBN-10: 0-557-77243-5](#), [ISBN-13: 978-0-557-77243-8](#), Reseller: AMAZON
- 2008 **THE FLAVIVIRIDAE VIRAL FAMILY: PROPERTIES AND GENOME BANK**  
[ISBN-10: 0-615-24327-4](#), [ISBN-13: 978-0-615-24327-6](#), Reseller: AMAZON
- 2007 **AN INTRODUCTION TO MOLECULAR MODELLING, FROM THEORY TO APPLICATION**  
[ISBN-10: 0-615-17606-2](#), [ISBN-13: 978-0-615-17606-2](#), Reseller: AMAZON
- 2007 **ADIPOCYTE VIABILITY AND LDH**  
[ISBN-10: 0-615-15238-4](#), [ISBN-13: 978-0-615-15238-7](#), Reseller: AMAZON

## SCIENTIFIC PATENTS

---

- WO/2009/125191** – 15.10.2009 (Pub) – PCT/GB2009/000936 – 09.04.2009  
Brancale A, **Vlachakis D**, Berry C, Neyts J.  
**HCV ANTIVIRAL DRUG DESIGN, BENZENE DERIVATIVES**
- GR/2012/0100266** – 21.05.2012 (Pub) – 201201605 – 21.05.2012  
Kossida S, **Vlachakis D**, Tsiliki G, Pavlopoulou A.  
**3D PHARMACOPHORE FOR THE DESIGN OF HUMAN POLYADENOSINE RIBONUCLEASE(PARN) INHIBITORS.**

## RESEARCH PROJECTS

---

- 2016-today** Task Manager (package 4) in the FrailSafe Project at the School of Computer Engineering & Informatics, University of Patras under the supervision of Prof Megalooikonomou. The aim of the project is to delay frailty by developing a set of measures and tools, together with recommendations to reduce its onset. To achieve these objectives, FrailSafe will combine state of the art information technologies and data mining techniques with high-level expertise in the field of health and ageing. The project lasts 3 years and is funded by the European Research programme Horizon 2020.
- 2012-2015** Member of the Thales Project at the Biomedical Research Foundation of the Academy of Athens. The aim of the project was the analysis of biological and medical graphics using advanced computational techniques.
- 2012-2015** Member of the BioExplore Project at the Biomedical Research Foundation of the Academy of Athens. The aim of the BioExplore project is the comprehension and industrial exploitation of marine microalgae bioprocessing utilizing modern bioanalytical tools.
- 2012-2014** Member of the Collier de Perles Project (CdPP) at the Biomedical Research Foundation of the Academy of Athens. The aim of the CdPP project is to improve our knowledge and to address key biological issues in the field of humanized antibodies using advanced bioinformatics. International collaboration with Prof. Marie Paule LeFranc.
- 2011-2013** Member of the EDGE Project at the Biomedical Research Foundation of the Academy of Athens. EDGE is part of the “SYNERGASIA” program funded by the General Secretariat of Research and Technology, Greece. Its aim is the installation and operation of laboratory infrastructure to support processes of genomic approaches, the installation and optimization methods for genomic approach and the establishment and optimization network.
- 2007-2009** Member of a Greek – Australian project from the Greek Secretariat of Research and Technology. Collaboration with the Australian James Cook University, Townsville, 4811, Queensland. Project title: Structure predictions, cloning and overexpression of DEFL, the product of a drosophila uncharacterized gene.
- 2001-2002** EPSRC grant towards the completion of my MSc degree, Chemistry School of Cardiff University, Wales, UK.

## SELECTED SCIENTIFIC PEER REVIEWED PUBLICATIONS (OUT OF A TOTAL OF 104)

---

- Sertedaki A, Markou A, **Vlachakis D**, Kossida S, Campanac E, Hoffman DA, Sierra ML, Xekouki P, Stratakis CA, Kaltsas G, Piaditis GP, Chrousos GP, Charmandari E. Functional characterization of two novel germline mutations of the KCNJ5 gene in hypertensive patients without primary aldosteronism but with ACTH- dependent aldosterone hypersecretion. *Clin Endocrinol (Oxf)*. 2016 Jun 13. [Epub ahead of print]. [doi: 10.1111/cen.1313]
- Tsaniras SC, **Vlachakis D**. Diet, obesity and cancer. *J Mol Biochem*. 2015, 4(2):20. [url: [www.jmolbiochem.com](http://www.jmolbiochem.com), ISSN:2241-0090] [url: [www.jmolbiochem.com](http://www.jmolbiochem.com), ISSN:2241-0090] <sup>∇</sup> [Corresponding Author]
- Papageorgiou L, Loukatou S, Kossida S, Maroulis D, **Vlachakis D**. An updated evolutionary study of Flaviviridae NS3 helicase and NS5 RNA-dependent RNA polymerase, reveals novel invariable motifs as potential pharmacological targets. *Royal Society Chemistry: Molecular Biosystems*. 2016, 12(7):2080-93. [Corresponding Author]
- Kontopoulos DG, **Vlachakis D**, Tsiliki G, Kossida S. Structuprint: a scalable and extensible tool for two-dimensional representation of protein surfaces. *BMC Structural Biology*. 2016. 16:4. <sup>∇</sup> [Corresponding Author]
- Papageorgiou L, Cuong NT, **Vlachakis D**. Antibodies as stratagems against cancer. *Royal Society Chemistry: Molecular Biosystems*. 2016, 12(7):2047-55 DOI: 10.1039/C5MB00699F. <sup>∇</sup> [Corresponding Author]
- Axarli I, Muleta AW, **Vlachakis D**, Kossida S, Kotzia G, Maltezos A, Dhavala P, Papageorgiou AC, Labrou NE. Directed Evolution of Tau Class Glutathione Transferases Reveals A Site That Regulates

- Catalytic Efficiency And Masks Cooperativity. *Biochemical Journal*. 2016, 473(5):559-70. [doi: 10.1042/BJ20150930]
- Nicolaides NC, Skyrila E, **Vlachakis D**, Psarra AG, Moutsatsou P, Sertedaki A, Kossida S, Charmandari E. Functional Characterization of the hGR $\alpha$ T556I Causing Chrousos Syndrome. *European Journal of Clinical Investigation*. 2015, 46(1):42-49. [doi: 10.1111/eci.12563]
  - Nicolaides NC, Geer EB, **Vlachakis D**, Roberts ML, Psarra AM, Moutsatsou P, Sertedaki A, Kossida S, Charmandari E. A Novel Mutation of the hGR Gene Causing Chrousos Syndrome. *European Journal of Clinical Investigation*. 2015, 45(8):782-791. [doi: 10.1111/eci.12470]
  - Loukatou S, Chatzinikolaou P, **Vlachakis D**, Kossida S. Genome-wide copy number variation from next generation sequencing data. *Online Journal of bioinformatics*. 2015, 16(2):254-262. [url: <http://onljvetres.com/nextabs2015.htm>,ISSN:1443-2250]
  - Bencurova E, Kovac A, Pulzova L, Gyurancz M, Mlynarcik P, Mucha R, **Vlachakis D**, Kossida S, Flachbartova Z, Bhide M. Deciphering the protein interaction in adhesion of Francisella tularensis subsp. holarctica to the endothelial cells. *Microbial Pathogenesis*. 2015, 81:6-15. [doi:10.1016/j.micpath.2015.03.007]
  - Konstantara K, Danelakis A, Tzogogianni D, Polychronidou E, Venieris G, Papageorgiou L, **Vlachakis D**. Respiratory gating in lung cancer radiotherapy. *Online Journal of bioinformatics*. 2015, 16(2):194-201. **[Corresponding Author]** [url: <http://onljvetres.com/gatingabs2015.htm>,ISSN:1443-2250]
  - Polychronidou E, **Vlachakis D**, Papageorgiou L, Vlamos P. Biological databases as key for data integration, analysis and visualization. *Online Journal of bioinformatics*. 2015, 16(1):51-60. [url: <http://onljvetres.com/basesabs2015.htm>,ISSN:1443-2250]
  - **Vlachakis D**, Fakourelis P, Megalooikonomou V, Makris C, Kossida S. DrugOn: a fully integrated pharmacophore modelling and structure optimization toolkit. *PeerJ*. 2015, 3:e725 [doi: <https://doi.org/10.7717/peerj.725>]
  - Polychronidou E, **Vlachakis D**, Vlamos P, Baumann M, Kossida S. Notch Signaling and Ageing. *Advances in Experimental Medicine and Biology (AEMB)*. 2014, **822**:25-36. [doi: [http://dx.doi.org/10.1007/978-3-319-08927-0\\_6](http://dx.doi.org/10.1007/978-3-319-08927-0_6)]
  - Inturia R, Wäneskoga M, **Vlachakis D**, Alia Y, Eka P, Pungaa T, Bjerling P. A splice variant of the human phosphohistidine phosphatase 1 (PHPT1) is degraded by the proteasome. *The International Journal of Biochemistry & Cell Biology*. 2014, **57**: 69–75. [doi: <http://dx.doi.org/10.1016/j.biocel.2014.10.009>]
  - Filntisi A, **Vlachakis D**, Matsopoulos G, Kossida S. Computational construction of antibody-drug conjugates using surface lysines as the antibody conjugation site and a non-cleavable linker. *Cancer Informatics*. 2014, 13: 179–186. [doi: 10.4137/CIN.S19222]
  - **Vlachakis D**, Bencurova E, Papangelopoulos N, Kossida S. Current state of the art molecular dynamics methods and applications. *Advances in Protein Chemistry and Structural Biology*. 2014, **94**:269–313. [doi: <http://dx.doi.org/10.1016/B978-0-12-800168-4.00007-X>]
  - Papageorgiou L, Loukatou S, Koumandou VL, Makalowski W, Megalooikonomou V, **Vlachakis D**, Kossida S. Structural models for the design of novel antiviral agents against Greek Goat Encephalitis. *PeerJ*. 2014, 2:e664. [doi: <http://dx.doi.org/10.7717/peerj.664>]
  - Tsiliki G, **Vlachakis D**, Kossida S. On integrating multi-platform microarray data. *Phyl Trans R Soc A*. 2014, 372(2016):2013013. [doi: 10.1098/rsta.2013.0136]
  - Maltezos A, Platis D, **Vlachakis D**, Kossida S, Marinou M, Labrou NE. Design, Synthesis and Application of Benzyl-sulphonate Biomimetic Affinity Adsorbents for Monoclonal Antibody Purification from Transgenic Corn. *J. Mol. Recognit*. 2014, **27**:19–31. [doi: 10.1002/jmr.2327]
  - **Vlachakis D**, Pavlopoulou A, Roubelakis M, Feidakis C, Anagnou N, Kossida S. Emerging pharmacological targets: An in silico study of Trypanosoma brucei DNA Topoisomerase IB. *Genomics*. 2014, 103(1):107-113. [doi: 10.1016/j.ygeno.2013.11.008]
  - Dalkas G\*, **Vlachakis D\***, Tsagkrasoulis D, Kastania A, Kossida S. State of the art technology in modern computer-aided drug design. *Briefings in Bioinformatics*. 2013, 14(6):745-752. [doi: 10.1093/bib/bbs063] **\*[First Authors, Equal Contribution]**
  - Steinhilf D, Rodriguez A\*, **Vlachakis D\***, Virgo G\*, Maksimov V, Kristell C, Olsson I, Linder T, Kossida S, Bongcam-Rudloff E, Bjerling P. Silencing motifs in the Clr2 protein from fission yeast, Schizosaccharomyces pombe. *Plos One*. 2013, 9(1):e86948. [doi: 10.1371/journal.pone.0086948] **\*[Second Authors, Equal Contribution]**

- Chatzinikolaou P, Makris C, **Vlachakis D**, Kossida S. A benchmark of structural variant analysis tools for next generation sequencing data. *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*. 2013, 2(4):86-98. [doi: 10.4018/ijsbbt.2013100106]
- Filntisi A, Bencurova E, Papangelopoulos N, **Vlachakis D**, Kossida S. Applications of neural networks in biological sciences. *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*. 2013, 2(4):63-85. [doi: 10.4018/ijsbbt.2013100105]
- **Vlachakis D**, Tsiliki G, Kossida S. 3D Molecular Modelling of the Helicase Enzyme of the Endemic, Zoonotic Greek Goat Encephalitis Virus. *Communications in Computer and Information Science*. 2013, **383**: 165-171. [doi:10.1007/978-3-642-41013-0\_17]
- Boulaki V, **Vlachakis D**, Sotiraki S, Kossida S. An up-to-date review of piglet isosporosis; new insights and therapeutic perspectives. *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*. 2013, 2(4):49-62. [doi: 10.4018/ijsbbt.2013100104]
- Papangelopoulos N, **Vlachakis D**, Filntisi A, Fakourelis P, Papageorgiou L, Megalooikonomou V, Kossida S. State of the art GPGPU applications in bioinformatics. *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*. 2013, 2(4):24-48. [doi: 10.4018/ijsbbt.2013100103]
- Ioannidou K, **Vlachakis D**, Matsopoulos G, Kastania A, Kossida S. Neuroscience and symptoms related to the CADASIL disease. *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*. 2013, 2(4):17-23. [doi: 10.4018/ijsbbt.2013100102]
- Papageorgiou L, **Vlachakis D**, Koumandou VL, Papangelopoulos N, Kossida S. Computer-aided drug design and biological evaluation of novel anti-Greek goat encephalitis agents. *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*. 2013, 2(4):1-16. [doi: 10.4018/ijsbbt.2013100101]
- **Vlachakis D**, Karozou A, Kossida S. 3D molecular modelling study of the H7N9 RNA-dependent RNA polymerase as an emerging pharmacological target. *Influenza Res Treat*. 2013, **2013**:645348, 9pages. [doi: 10.1155/2013/645348]
- Filntisi A, **Vlachakis D**, Matsopoulos G, Kossida S. 3D structural bioinformatics of proteins and antibodies; state of the art, perspectives and challenges. *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*. 2013, 2(3):67-74. [doi:10.4018/ijsbbt.2013070105]
- **Vlachakis D**, Champeris Tsaniras S, Kossida S. Insights into the structure and 3D spatial arrangement of the b-ketoacyl carrier protein synthases. *J Mol Biochem*. 2013, 2(3):150-158. [url:www.jmolbiochem.com, ISSN:2241-0090]
- **Vlachakis D**, Karozou A, Champeris Tsaniras S, Kossida S. An update on the virology of the H7N9 strain of the influenza A virus. *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*. 2013, 2(3):59-66. [doi: 10.4018/ijsbbt.2013070104]
- Pavlopoulou A\*, **Vlachakis D\***, Balatsos N, Kossida S. A comprehensive phylogenetic analysis of deadenylases. *Evolutionary Bioinformatics*. 2013, **9**:491-497. [doi:10.4137/EBO.S12746] \*[First Authors, Equal Contribution]
- Carvalho CS, **Vlachakis D**, Tsiliki G, Megalooikonomou V, Kossida S. Protein signatures using electrostatic molecular surfaces in harmonic space. *PeerJ*. 2013, **1**:e185. [doi:10.7717/peerj.185] **Featured Article / Cover Page Also at Cornell University Library: arXiv:1310.6980 [q-bio.QM]**
- **Vlachakis D**, Kontopoulos DG, Kossida S. Space Constrained Homology Modelling; the paradigm of the RNA-dependent RNA Polymerase of Dengue (Type II) Virus. *Comput Math Methods Med*. 2013; **2013**:108910, 9 pages. [doi: 10.1155/2013/282398]
- **Vlachakis D**, Kossida S. Antibody Drug Conjugate Bioinformatics: Drug delivery through the letterbox. *Comput Math Methods Med*. 2013; **2013**:282398, 4 pages. [doi: 10.1155/2013/282398]
- **Vlachakis D**, Pavlopoulou A, Kazazi D, Kossida S. Unravelling microalgal molecular interactions using evolutionary and structural bioinformatics. *Gene*. 2013, **528(2)**:109-119. [doi: 10.1016/j.gene.2013.07.039]
- **Vlachakis D**, Kossida S. Molecular modelling and pharmacophore elucidation study of the Classical Swine Fever virus helicase as a promising pharmacological target. *PeerJ*. 2013, **1**:e85. [doi:10.7717/peerj.85] **Featured Article / Cover Page**
- **Vlachakis D**, Koumandou VL, Kossida S. A holistic evolutionary and structural study of flaviviridae provides insights into the function and inhibition of HCV Helicase. *PeerJ*. 2013, **1**:e74. [doi:10.7717/peerj.74] **Featured Article / Cover Page**
- **Vlachakis D**, Tsiliki G, Roubelakis MG, Pavlopoulou A, Champeris Tsaniras S, Kossida S. Antiviral

- stratagems against HIV using RNA interference (RNAi) technology. *Evolutionary Bioinformatics*. 2013, 9:203-213. [doi:10.4137/EBO.S11412, MS id:6005155668041401]
- **Vlachakis D**, Feidakis C, Megalooikonomou V, Kossida S. IMGT/Collier-de-Perles: A two-dimensional visualization tool for amino acid domain sequences. *Theor Biol Med Model*. 2013, 21;10(1):14. [doi:10.1186/1742-4682-10-14, MS id:1016205819051801]
  - **Vlachakis D**, Tsagkrasoulis D, Megalooikonomou V, Kossida S. Introducing Drugster: a comprehensive drug design, lead and structure optimization toolkit. *Bioinformatics*. 2013, 29(1):126-128. [doi:10.1093/bioinformatics/bts637]
  - **Vlachakis D**, Pavlopoulou A, Tsiliki G, Komiotis D, Stathopoulos C, Balatsos N, Kossida S. An intergraded in silico approach to design specific inhibitors targeting human poly(A)-specific ribonuclease. *Plos One*. 2012, 7(12):e51113. [doi: 10.1371/journal.pone.0051113]
  - **Vlachakis D**, Tsiliki G, Tsagkrasoulis D, Carvalho CS, Megalooikonomou V, Kossida S. Speeding up the drug discovery process: structural similarity searches using molecular surfaces. *EMBnet Journal*. 2012,18(1):6-9. [url:http://journal.embnet.org, ISSN: 1023-4144]
  - **Vlachakis D**<sup>v</sup>, Champeris Tsaniras S. An introduction to M-theory and its application in biology. *J Mol Biochem*. 2012, 1(2):65-67. [url:www.jmolbiochem.com, ISSN:2241-0090] <sup>v</sup>[Corresponding Author]
  - Kapasa M, **Vlachakis D**, Kostadima M, Sotiropoulou G, Kossida S. Towards the elucidation of the regulatory network guiding the insulin producing cells' differentiation. *Genomics*. 2012, 100(4):212-221. [doi:10.1016/j.ygeno.2012.07.002]
  - **Vlachakis D**, Tsagkrasoulis D, Tsiliki G, Kossida S. The future of structural bioinformatics in the post-genomic era. *EMBnet Journal*. 2012, 18 (1):3-5. [url:http://journal.embnet.org, ISSN: 1023-4144]
  - **VlachakisD**<sup>v</sup>, Champeris Tsaniras S. The shape of science. *J Mol Biochem*. 2012, 1(1):4-5. [url:www.jmolbiochem.com, ISSN:2241-0090] <sup>v</sup>[Corresponding Author]
  - Balatsos N, **Vlachakis D**, Chatzigeorgiou V, Manta S, Komiotis D, Vlassi M, Stathopoulos C. Kinetic and in silico analysis of the slow-binding inhibition of human poly(A)-specific ribonuclease (PARN) by novel nucleoside analogues. *Biochimie*. 2012, 94(1):214-21. [doi:10.1016/j.biochi.2011.10.011,ISSN:0300-9084]
  - Sellis D, Drosou V, **Vlachakis D**, Voukkalis N, Giannakouros T, Vlassi M. Phosphorylation of the arginine/serine repeats of lamin B receptor by SRPK1-Insights from molecular dynamics simulations. *Biochim Biophys Acta (Gen. Subjects)*. 2012, 1820(1):44-55. [doi:10.1016/j.bbagen.2011.10.010,ISSN:0304-4165]
  - Sellis D\*, **VlachakisD\***, Vlassi M. Gromita: A Fully Integrated Graphical User Interface to Gromacs 4. *Bioinformatics and Biology Insights*. 2009, 3:99-102. [pubmed-id:20140074,ISSN:1177-9322]\*[First Authors, Equal Contribution]
  - Vangelatos I, **VlachakisD**, Sophianopoulou V and Diallinas G. Modelling and mutational evidence identify the substrate binding site and functional elements in APC amino acid transporters. *Mol Membr Biol*. 2009, 26(5):356-70. [doi:10.1080/09687680903170546,ISSN:0968-7688]
  - **Vlachakis D**<sup>v</sup>. Theoretical study of the Usutu virus helicase 3D structure, by means of computer-aided homology modelling. *Theor Biol Med Model*. 2009, 25;6:9,1-9. [doi:10.1186/1742-4682-6-9,ISSN:1742-4682]<sup>v</sup>[Monograph, Corresponding Author]
  - Balatsos NA, **Vlachakis D**, Maragozidis P, Manta S, Anastasakis D, Kyritsis A, Vlassi M, Komiotis D and Stathopoulos C. Competitive inhibition of human poly(A)-specific ribonuclease (PARN) by synthetic fluoro-pyranosyl nucleosides. *Biochemistry*. 2009, 7;48(26):6044-6051. [doi:10.1021/bi900236k,ISSN:0006-2960]
  - Kandil S, Biondaro S, **Vlachakis D**, Cummins AC, Coluccia A, Berry C, Leyssen P, Neyts J and Brancale A. Discovery of a novel HCV helicase inhibitor by a de novo drug design approach. *Bioorg Med Chem Lett*. 2009, 1;19(11):2935-7. [doi:10.1016/j.bmcl.2009.04.074,ISSN:0960-894X]