

Personal Details

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Date of Birth: 04/11/1979

Nationality: Greek

Education

2011 –present: PhD thesis "Study of RANKL-mediated pathogenic mechanisms in mouse models and development of new therapeutic approaches" **Department of Agricultural Biotechnology, Agricultural University of Athens-Department of Immunology B.S.R.C AI.Fleming**

2007 –2011: Technician-Lab manager-Research Assistant at **Douni's Lab, Department of Immunology B.S.R.C AI.Fleming**

2004 – 2006: MSc in "Applications of Biotechnology in Agriculture", "Study of ACC-oxidase family in roots of Soybean" **Department of Agricultural Biotechnology, Agricultural University of Athens**

1998 – 2004:, BSc in Agricultural Biotechnology, "**Study of β -amylase family in roots of Soybean**" **Department of Agricultural Biotechnology, Agricultural University of Athens**

- ***Certificate of Lower in English***

Educational Experience

- Invited speaker at IV course on Laboratory Animal Science 4-15 October 2010, B.S.R.C AI.Fleming "Breeding laboratory rodents"

Scholarships / Studentships

- **GSRT studentship**, from Hellenic Republic Ministry of Education, Lifelong Learning and Religious Affairs. Duration: 2011-2014.

Technical Expertise

- Animal manipulation: Breeding and genotyping of mice
- Genome- wide genetic analysis using polymorphic markers (SNPs & SSLPs).
- Genotyping of genetically modified mice (transgenic, ENU-derived mutants→Pyrosequencing).
- Analyzing preclinical trials using test drugs in our animal models of human diseases.
- Advanced Molecular Biology practices: Southern blot & Western blotting, RT PCR ,quantitative-PCR analysis, cloning of DNA fragments, BAC DNA isolation and preparation
- Biochemistry, production of recombinant proteins, cross-linking assay
- Immunological assays: Flow cytometry, cytokine RANKL and RANK receptor ELISAs and bioassays; western blot, native gels,
- Tissue culture practices: in vitro osteoclastogenesis, MTT assay
- Histology practices: preparation of paraffin embedded samples for histological analysis, TRAP staining, H/E staining

Publications in International Scientific Journals

Douni E, **Rinotas V**, Makrinou E, Zwerina J, Penninger JM, Eliopoulos E, Schett G, Kollias (2012) "A RANKL G278R mutation causing osteopetrosis identifies a functional amino acid essential for trimer assembly in RANKL and TNF.", ***Hum Mol Genet.*** 2012 Feb 15;21(4):784-98

Papaneophytou C, Mettou A., **Rinotas V**, Douni E, **Kontopidis G*** (2012) Solvent Selection for Insoluble Ligands, a Challenge for Biological Assay Development: A TNF- α /SPD304 Study ***ACS Med. Chem. Lett.***, Article ASAP Publication Date (Web): November 29, 2012.

Abstracts in International Conferences

1. Niti A, **Rinotas V**, Douni E (2009). A novel humanized RANKL transgenic mouse model of osteoporosis [Παρουσίαση poster]. *36th European Symposium on calcified tissues.*, 23-27 May, Vienna Austria. Abstract No 447.
2. Ioakeimidis F, **Rinotas V**, Makrinou E, Kollias G, Douni E (2009). Characterization of a novel mouse model of autosomal recessive neuromuscular disease and lymphoid hypoplasia generated by ENU mutagenesis [MUGEN fellowship]. *4th ENII-MUGEN Immunology Summer School*, 17-24 May, Capo Caccia, Sardinia.
3. Niti A, **Rinotas V**, Douni E (2009). A novel model of osteoporosis in RANKL overexpressing transgenic mice. *2nd MUGEN Conference*, 8-10 October, Athens.
4. Ioakeimidis F, Karakostas A, **Rinotas V**, Makrinou E, Kollias G, Douni E (2009). A novel ENU-induced mouse model of autosomal recessive neuromuscular disease and lymphoid abnormalities. *2nd MUGEN Conference*, 8-10 October, Athens.
5. Karakostas A, Ioakeimidis F, **Rinotas V**, Kollias G, Douni E. (2009). Identification of a new SLC25 member that causes autosomal recessive ataxia in ENU-mutagenized mice. *2nd MUGEN Conference*, 8-10 October, Athens.
6. Karakostas A, Ioakeimidis F, **Rinotas V**, Kollias G, Douni E. (2010). Identification and characterization of a novel SLC25 member that causes autosomal recessive ataxia in mice. *EUMODIC Annual Meeting*, March 25-26, Brussels.
7. Niti A, Dacquin R, **Rinotas V**, Jurdic P, Douni E. (2010). Generation and analysis of a novel genetic model of osteoporosis: Human RANKL-expressing transgenic mice. *3rd International Conference on Osteoimmunology: Interactions of the immune and skeletal systems*. Aegean Conferences, June 20-25, Santorini. Aegean Conference Series vol.49, Abstract No 65.
8. Ioakeimidis F, **Rinotas V**, Makrinou E, Kollias G, and Douni E. (2010). Identification of a novel member of the DnaJC family that causes neuromuscular disease in mice. Neuroscience days of the Hellenic Society for Neuroscience. 1-2 October, Athens.
9. Karakostas A, Ioakeimidis F, **Rinotas V**, Kollias G, Douni E. (2010). Identification of a novel SLC25 member that causes autosomal recessive ataxia in ENU-mutagenized mice. Neuroscience days of the Hellenic Society

for Neuroscience. 1-2 October, Athens.

10. Invited speaker on LAS COURSE V about animal breeding, taken place in BSRC Al.Fleming, 5-16 October 2010.
11. Ioakeimidis F, **Rinotas V**, Makrinou E, Kollias G, Douni E. (2010). A forward genetics approach identifies a novel member of the DnaJC family that causes neuromuscular disease in mice. *24th International Mammalian Genome Conference*. 17-21 October, Heraklion.
12. Karakostas A, Ioakeimidis F, **Rinotas V**, Kollias G, Douni E. (2010). Identification of a novel SLC25 member that causes autosomal recessive ataxia in ENU-mutagenized mice. *24th International Mammalian Genome Conference*. 17-21 October, Heraklion.
13. Niti A, Dacquin R, **Rinotas V**, Jurdic P, Douni E. (2010). A novel genetic model of osteoporosis by overexpression of human RANKL in transgenic mice. *24th International Mammalian Genome Conference*. 17-21 October, Heraklion.
14. Niti A, Dacquin R, Bonnet N, **Rinotas V**, Ferrari S, Jurdic P, Douni E. (2011). Novel genetic models of osteoporosis by overexpressing human RANKL in transgenic mice. *38th European Symposium on Calcified Tissues*, 7-11 May, Athens.
15. Participation on the 3rd Joint Meeting of the **European Calcified Tissue Society** & the **International Bone and Mineral Society**. 7-11 May 2011 Athens.
16. Ioakeimidis F, **Rinotas V**, Kollias G, Douni E. (2011). A novel member of the DNAJC family localized in mitochondria causes neuromuscular disease and immune abnormalities in mice. *Mitochondria dynamics: from mechanisms to disease*. 11-15 September, Sardinia.
17. **Rinotas V**, Alexiou P, Papakyriakou T, Papanephytous C, Kontopidis G, Couladouros E, Eliopoulos E, Douni E. (2012). Development of novel therapeutic approaches target RANKL trimerization. *4th International Conference on Osteoimmunology* 17-22 June Corfu Greece.
18. Niti A, Dacquin R, Bonnet N, **Rinotas V**, Ferrari S, Jurdic P, Douni E. (2012). Modeling osteoporosis in transgenic mice overexpressing human RANKL. *4th International Conference on Osteoimmunology* 17-22 June Corfu Greece.
19. Participation on the 6th PhD training course in Oxford organized by the **European Calcified Tissue Society**. 24-27 June 2012 Oxford UK.
20. **Rinotas V**, Dacquin R, Bonnet N, Ferrari S, Jurdic P, Alexiou P, Papakyriakou T, Papanephytous C, Kontopidis G, Couladouros E, Eliopoulos E, Douni E. (2012). Study of RANKL-mediated pathogenic mechanisms in mouse models and development of new therapeutic approaches. *5th International Workshop on Advances in the Molecular Pharmacology and Therapeutics of Bone Disease*, 27-30 June Oxford, UK

21. **Rinotas V**, Niti A, Kontopidis G, Couladouros E, Eliopoulos E, Douni E, (2012) Study of RANKL-mediated pathogenic mechanisms in mouse models and development of new therapeutic approaches. 2ND Conference of Agricultural Biotechnology, 4-5 October Athens, GR
22. Violitzi F, **Rinotas V**, Douni E, (2012) Inhibition of BAFF trimerization with site-directed mutagenesis. 2ND Conference of Agricultural Biotechnology, 4-5 October Athens, GR
23. Ioakeimidis F, **Rinotas V**, Fasseas C, Kollias G and Douni E (2012) Identification of the role of DNAJC in mitochondrial structure and neuromuscular function in mice. 2ND Conference of Agricultural Biotechnology, 4-5 October Athens, GR