CURRICULUM V I T A E

Theodoros P . Kosteas

Date / Place of Birth:	24/11/1963, Montreal, Canada
Nationality:	Greek & Canadian
Sex-status:	Male, married, two children
e-mail address:	kosteas @imbb.forth.gr
ORCID iD:	https://orcid.org/0000-0003-2174-911X

Education & Training:

Post-Doctoral	MRC National Institute for Medical Research. London, UK. March 2003 –December 2005 (Molecular Immunology)
Ph.D.	University of Crete (UoC), School of Medicine, Heraklion, Greece. May 2001 (Molecular Biology)
B.Sc.	Concordia University, Department of Biochemistry Montreal, Canada. 1987 (Biochemistry)
Service:	Mandatory military service (September 1987 – May 1989)

Positions & Research experience:

Aug. 2022 – Sept. 2022	Visiting Research Fellow, School of Medicine, Tokai Universtiy, Japan https://masato2.wixsite.com/ohtsuka-lab
July 2020 – present:	Co-Head, Core Facilities Working Group. IMBB & EU-LIFE
Dec. 2017 – Nov. 2021:	Scientific Director, Animal (mouse) Facility, Institute of Molecular Biology and Biotechnology (IMBB), Foundation for Research and Technology Hellas (FO.R.T.H.) BoD decision 363/27-6/17.11.2017
February 2017 – present:	Senior Staff Scientist, IMBB, FO.R.T.H. Official Government Gazette issue: Γ28/20.01.2017
Sept. 2015 – Jan. 2017:	Animal (mouse) Facility Manager, IMBB - FO.R.T.H.
Jan. 2007 – Aug. 2016:	Head, Genome Editing Facility, IMBB - FO.R.T.H.
Jan. 2008- August 2015:	Research Associate, Cellular & Developmental Biology and Biology of Aging, laboratory of Dr. G. Garinis. IMBB - FO.R.T.H.
Jan. 2006 – Dec. 2006	Research Associate, Gene Regulation & Epigenetics, laboratory of Dr. I. Talianidis. IMBB - FO.R.T.H.
March 2003-Dec. 2005:	Research Associate, Gene Expression of T-cell development laboratory of Dr. D. Kioussis. NIMR, MRC, London, UK
July 1989 – March 2003:	Research Assistant, Molecular Hematology laboratory of Dr. N. P. Anagnou. IMBB - FO.R.T.H. Heraklion Crete, Greece
Feb. 1988 - May 1989:	Lab technician & on-call: biochemistry, microbiology and hematology laboratories. 412th Military Hospital of Xanthi, Greece
Dec. 1987 – Feb. 1988:	Practical laboratory training at the 410th Military Hospital of Athens, Greece

Practical Courses:

November 2019:	EMBO practical course. Humanized Mice in Biomedicine: Challenges and Innovations. Heidelberg, DE. Supported by the EMBL Corporate Partnership Programme.
July 2017:	EMBO practical course. Mouse Genome Engineering. Dresden, DE. Supported with an EMBO travel grant.
February 1996:	EMBO: Protein-DNA interactions: Advanced Approaches, DE
September 1993:	FEBS: Advanced Methods: DNA sequencing & micro injection. Prague, CZ. Supported with a FEBS travel grant.

Awards / Fellowships:

October 2020	Awarded an EMBO core facility fellowship. Sponsored by the General Programme of the European Molecular Biology Conference.
November 2002:	Co-recipient, first clinical research award "A. Goutas", presented at the 13th Annual Meeting of the Greek Society of Hematology.
November 1999:	Co-recipient, first prize for the best abstract presented at the 10th Annual Meeting of the Greek Society of Hematology.
May 1990, 1991, 1993 1996, 1997:	Co-recipient, first prize for the best abstract presented at the 16th, 17th, 19th, 22nd and 23rd Greek Annual Medical Congress.
December 1991:	Co-recipient, Henry Christian Award for Excellence in Research, American Federation for Clinical Research.

Invited speaker:

November 2019:	Mouse Genome Editing, Dept. of Health Sci., University of Florence
2014 - 2022:	International Course - Care and use of laboratory animals. FELASA accreditation ID: 051/15 UoC, Heraklion
2014:	Workshop in Regulation of the (Epi) Genome during Ageing. European Summer School on Gene Regulation.
2000:	Molecular biology and cytogenics. Greek Society of Biology
1996:	Molecular biology in hematology. Greek Society of Hematology

Lecture:

December 2019 & 2022:	Bioinformatics: Design and analysis of mouse models. Medical School, UoC.
November 2019 & 2021:	Approaches for generating and analyzing transgenic mice. Department of Neuroscience, Medical School, UoC
April 2017 & 2022:	Current Transgenic Technology Biology Department, UoC
January 2017:	Methods to study the Nervous System. Dept. of Neuroscience, Medical School, UoC

Committees/Working groups/Accreditations:

March 2022 – present:	EU LIFE Core Facility Working Group. Co-organizer EU-LIFE TechWatch series.
April – June 2021:	FELASA Accredited Course. Functions A, B, C and D. Mice, rats and zebrafish. UoC. Certificate ID:051/15_10_2021
September 2020 -present:	National Committee for the Protection of Animals Used for Scientific Purposes, Deputy member. Official Government Gazzette issue: 4200/τ.Β./29.9.2020
July 2020 – present:	Core Facilities Working Group. EU-LIFE.
July 2019 – Nov. 2021:	IMBB- FO.R.T.H. - Mouse Facility, Establishment License Holder, Directorate of the Veterinary Service of the Region of Crete, decision 179366/23-07-2019
July 2018 – June 2021:	FORTH Research Ethics Committee (Deputy) FORTH BoD decision 380/27-6/20.7.2018.
May 2014 – present:	Coordinator, Committee for the Assessment of Research Protocols (2010/63/EU). FORTH BoD decision 2215/117550-01-10-2013.
May 2003:	Accredited training under the Animals (Scientific Procedures) Act 1986. Modules: 1, 2, 3 and 4. Rat, Mouse, Guinea pig, Hamster and Rabbit. Royal Veterinary College, London. RVC/03/132

Publications:

1. Katja Kivinen, Henri G A M van Luenen, Myriam Alcalay, Christoph Bock, Joanna Dodzian, Katerina Hoskova, Danielle Hoyle, Ondrej Hradil, Sofie Kjellerup Christensen, Bernhard Korn, Theodoros Kosteas, Mònica Morales, Krzysztof Skowronek,Vasiliki Theodorou, Geert Van Minnebruggen, Jean Salamero, Lavanya Premvardhan. Acknowledging and citing core facilities. **EMBO Rep.** 2022 Sep; 23(9).

2. Evi Goulielmaki, Maria Tsekrekou, Nikos Batsiotos, Mariana Ascensão-Ferreira, Eleftheria Ledaki, Kalliopi Stratigi, Georgia Chatzinikolaou, Pantelis Topalis, Theodore Kosteas, Janine Altmüller, Jeroen A. Demmers, Nuno L. Barbosa-Morais, George A. Garinis. The Splicing Factor XAB2 interacts with ERCC1-XPF and XPG for RNA-loop processing during mammalian development. **Nat Commun.** 2021 May 26;12(1):3153.

3. Chatzinikolaou G, Apostolou Z, Aid-Pavlidis T, Ioannidou A, Karakasilioti I, Papadopoulos G, Aivaliotis M, Tsekrekou M, Strouboulis J, **Kosteas T**, Garinis GA. ERCC1–XPF cooperates with CTCF and cohesin to facilitate the developmental silencing of imprinted genes. **Nat Cell Biol.** 2017 May;19(5):421-432.

4. Ismene Karakasilioti, Irene Kamileri, Georgia Chatzinikolaou, **Theodoros Kosteas**, Eleni Vergadi, Andria Rasile Robinson, Iannis Tsamardinos, Tania A. Rozgaja, Sandra Siakouli, Christos Tsatsanis, Laura J. Niedernhofer, and George A. Garinis. DNA Damage Triggers a Chronic Autoinflammatory Response, Leading to Fat Depletion in NER Progeria. **Cell Metab**. 2013 Sep 3; 18(3):403-15.

5. Kamileri I, Karakasilioti I, Sideri A, **Kosteas T,** Tatarakis A, Talianidis I and Garinis GA. Defective transcription initiation causes postnatal growth failure in a mouse model of nucleotide excision repair (NER) progeria. **Proc Natl Acad Sci USA**. 2012 Feb 21; 109(8):2995-3000. Epub 2012 Feb 8.

6. Ursula Menzel, **Theodoros Kosteas**, Mauro Tolaini, Nigel Killen, Kathleen Roderick and Dimitris Kioussis. Modulation of the murine CD8 gene complex following the targeted integration of human CD2-LCR sequences **J Immunol**.2011 Oct 1;187(7):3712-20. Epub 2011 Aug 31.

7. Gazouli M, Katsantoni E, **Kosteas T**, Anagnou NP. Persistent fetal gamma-globin expression in adult transgenic mice following deletion of two silencer elements located 3' to the human Agamma-globin gene. **Mol Med.** 2009 Nov-Dec;15(11-12):415-24. Epub 2009 Aug 10.

8. Schumacher B, van der Pluijm I, Moorhouse MJ, **Kosteas T**, Robinson AR, Suh Y, Breit TM, van Steeg H, Niedernhofer LJ, van Ijcken W, Bartke A, Spindler SR, Hoeijmakers JH, van der Horst GT, Garinis GA. Delayed and accelerated aging share common longevity assurance mechanisms. **PLoS Genet**. 2008 Aug 15; 4(8).

9. Papadaki, HA., **Kosteas, T**., Gemetzi, C., Damianaki, A., Anagnou, N.P., and Eliopoulos, GD. Acute myeloid/NK precursor cell leukemia with trisomy 4 and a novel point mutation in the extracellular domain of the G-CSF receptor in a patient with chronic idiopathic neutropenia. **Ann Hematol**. 2004 Jun; 83(6):345-8.

10. Ling, J., Zhang, L., Jin, H., Pi, W., **Kosteas, T**., Anagnou, N.P., Goodman, M. and Tuan, D. Dynamic retrotransposition of ERV-9 LTR and L1 in the β-globin gene locus during primate evolution. **Mol Phylogenet Evol** 30:867-871, 2004.

11. Papadaki, H.A., **Kosteas, T**., Gemetzi, C., Christoforidou, A., Anagnou, N.P. and Eliopoulos, G.D. Low serum gamma-glutamyltranspeptidase (GGT) in patients with chronic idiopathic neutropenia is not implicated in the pathophysiology of the disease. **Haematologica**. 88:11, 2003.

12. Papadaki, H.A., Eliopoulos, A.G., **Kosteas, T**., Gemetzi, C., Damianaki, A., Koutala, H., Bux, J. and Eliopoulos, G.D. Impaired granulocytopoiesis in patients with chronic idiopathic neutropenia is associated with increased apoptosis of bone marrow myeloid progenitor cells. **Blood** 101:2591-2600, 2003.

13. Papadaki, H.A., **Kosteas, T**., Gemetzi, C., Alexandrakis, M., Psyllaki, M. and Eliopoulos, G.D. Two patients with nonimmune chronic idiopathic neutropenia of adults developing acute myeloid leukemia with aberrant phenotype and complex karyotype but no mutations in the granulocyte colony-stimulating factor receptor. **Ann Hematol** 81:50-54, 2002.

14. **Kosteas, T**., Palena, A. and Anagnou, N.P. Molecular cloning of the breakpoints of HPFH- 6 deletion and sequence analysis of the novel juxtaposed region from the 3′end of the β- globin gene cluster. **Hum Genet** 100:441-445, 1997.

15. Anagnou, N.P., Perez-Stable, C., Gelinas, R., Costantini, F., Liapaki, K., Constantopoulou, M., **Kosteas, T**., Moschonas, N.K., and Stamatoyannopoulos, G.: Sequences located 3′ to the breakpoint of the hereditary persistence of fetal hemoglobin-3 deletion exhibit enhancer activity and can modify the developmental expression of the human $^{A}\gamma$ globin gene in transgenic mice. **J. Biol. Chem.** 270:10256-10263, 1995.