CURICULUM VITAE (January 2018)

1. PERSONAL DATA

Surname:	Kafetzopoulos	*Work Address:*	Institute of Molecular Biology and
Forename:	Dimitris		Biotechnology, FORTH
Date of birth:	August 23, 1959		P. O. Box 1527
Place of birth	Athens, Greece		711 10, Heraklion, Crete
Citizenship:	Greek	*Phone:*	+30 2810 391594 (office)
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2. EDUCATION

1977 - 1982	Department of Biology, Faculty of Science, Aristotle University of Thessaloniki.
1983 - 1985	Department of Biochemistry, Faculty of Medicine, University of Toronto, Canada. Graduate Research under the supervision of Prof. R. Anwar on the topic of "Molecular Cross-links in Collagen and Elastin: Purification of Lysyloxidase from Bovine aorta"
1986 - 1994	Graduate studies at the Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology – Hellas (FORTH-IMBB) and Doctor of Biology degree of the Department of Biology, University of Crete, in Applied Biology and Biotechnology.

3. FELLOWSHIPS – HONORS – AWARDS

1977	Greek State Scholarships Foundation (IKY).
1994	Two year graduate scholarship of the Biotechnology Program (BIOTECH) of the European Union.
1994 - 1995	Long Term Postdoctoral scholarship of the European Molecular Biology Organization (EMBO).
1995 - 1997	Long Term Postdoctoral scholarship of Human Frontiers Science Programme Organization (HFSPO).
1997	Postdoctoral Researcher within the program Human Capital and Mobility of the European Union.
2002	Participated in the twelve-member committee O.E. Biotechnology of the Program Foresight.
2002	3rd Patent Award from the Hellenic Industrial Property Organization.
2004 - 2006	Coordinator of the European Research Consortium of Informatics and Mathematics (ERCIM) working group on BioMedical Informatics.
2010 -	FORTH representative in the cluster of Greek biotechnology companies H-Bio.
2011 - 2013	FORTH representative and member of the Innovation in Health Committee of the Region of Crete.
2013 – today	Deputy director of the IMBB
2016	Acting director of the IMBB

4. SCIENTIFIC ACTIVITY

1983	Graduate research at the M. Eliade Hospital, Athens, Greece
1984 - 1985	Graduate research in the Department of Biochemistry, University of Toronto, Canada
1986 - 1994	Doctoral research in FORTH-IMBB
1994 - 1997	Postdoctoral research in the Institute of Molecular Plant Sciences, University of Leiden, The Netherlands.
1998 - 2000	Collaborating researcher at FORTH-IMBB. Research interests include the molecular biology of the chitin biosynthesis in insects and development of specific inhibitors for agrochemical applications.
2000 - 2005	Associate Researcher at FORTH-IMBB of "Proteins Structure-Function-Applications.
2005 - 2011	Principal Researcher, FORTH-IMBB.
2011 – today	Heading Minotech Biotechnologies and Genomics Facility
2013 – today	Research Director, FORTH-IMBB. Research Interests: A. Personal Genomics, B. Ancient DNA analysis, C. Bioinformatics, D. Molecular Diagnostics.

5. TEACHING

1991	Teaching training seminar on Biotechnology at the Greek Productivity Centre (ELKEPA)
1999 -	Member of the Graduate Studies Program "Molecular Biology-Biomedicine" Teaching the subject "Management of the scientific research results" in BIO402: Science and Society. Teaching the subjects "DNA sequencing technologies" and "Oncogenomics & Pharmacogenomics".
2015 -	Member of the Graduate Studies Program "Bioinformatics", School of Medicine, University of Crete Teaching the subject "COMP101: Molecular & Cellular Biology"

2003 - today Supervised the doctoral research and dissertation of A. Margaritis on “DNA microarrays for the recording and study of gene regulation”, the Graduate degree thesis (MSc) of A. Margaritis, Z. Zafeiriou, D. Bournele, S. Kaforou & P. Andreakou and the diploma Theses (BSc) of E. Thymiakou K. Troullinaki, N. Balaskas, A. Baroutas, M. Ieronymaki, S. Gaspari, M. Tsekrekou, F. Konstantaki, A. Vasileiou and N. Volosyrakis

6. SELECTED PUBLICATIONS

1. Bioconversion of chitin to chitosan: Purification and characterization of chitin deacetylase from *Mucor rouxii.* Kafetzopoulos D, Martinou A and Bouriotis V. Proceedings of the National Academy of Sciences U S A, Vol. 90, (7), pp. 2564-2568, 1993.
2. The primary structure of a fungal chitin deacetylase reveals the function for two bacterial gene products. Kafetzopoulos D, Thireos G, Vournakis JN and Bouriotis V. Proceedings of the National Academy of Sciences U S A, Vol. 90, (17), pp. 8005-8008, 1993.
3. Chitin deacetylases: New, versatile tools in biotechnology. Tsigos I, Martinou A, Kafetzopoulos D and Bouriotis V. Trends in Biotechnology, Vol.18 (7), pp. 305-312, 2000.
4. Stage-specific expression of chitin synthase *DmeChSA* and *DmeChSB* genes during the onset of *Drosophila* metamorphosis. Gagou ME, Kapsetaki M, Turberg A and Kafetzopoulos D. Insect Biochemistry and Molecular Biology. Vol 32. pp.141-146, 2002.
5. Femtosecond laser microprinting of biometerials. Zergioti I., Karaiskou, A., Papazoglou, D., Fotakis, C., Kapsetaki, M., and Kafetzopoulos, D. Applied Physics Letters, Vol 86, 163902, 2005
6. Dominant and redundant functions of TFIID involved in the regulation of hepatic genes. Tatarakis A., Margaritis T., Martinez-Jimenez C. P., Kouskouti A., Mohan II W. S., Haroniti A., Kafetzopoulos D., Tora L. and Talianidis I. Mol Cell. Vol.31(4) pp:531-43, 2008.
7. A Semantic Grid Infrastructure Enabling Integrated Access and Analysis of Multilevel Biomedical Data in Support of Post-Genomic Clinical Trials on Cancer. M. Tsiknakis, M. Brochhausen, J. Narbrzyski, J. Pucaski, G. Potamias, C. Desmedt, D. Kafetzopoulos, IEEE Trans, Inf. Technol Biomed Vol. 12 (2) pp.205-17, 2008
8. Outcome prediction based on microarray analysis: a critical perspective on methods. Zervakis M, Blazadonakis ME, Tsiliki G, Danilatou V, Tsiknakis M, Kafetzopoulos D. BMC Bioinformatics Vol. 10 (1) p.53, 2009.
9. Multi-platform data integration in microarray analysis. Tsiliki G., Zervakis M., Ioannou M., Sanidas E., Stathopoulos E., Potamias G., Tsiknakis M. & Kafetzopoulos D. IEEE Trans Inf Technol Biomed. Vol.15 (6) pp.806-12, 2011.
10. Stem Cell Characters in Primary and Metastatic Tumour Establishment. Tsekrekou M., Mavroudis D., Kafetzopoulos D. & Vassou D. In Stem cells & Disease, Srivastava R. ed., Elsevier 2011 pp: 533-580
11. Comparative transcriptome analysis of two olive cultivars in response to NaCl-stress. Bazakos C., Manioudaki M.E., Therios I., Voyiatzis D., Kafetzopoulos D., Awada T. & Kalaitzis P. PLoS One. 2012;7(8):e42931.
12. On the Identification of Circulating Tumor Cells in Breast Cancer. Sfakianakis S., Bei E.S., Zervakis M., Vassou D. & Kafetzopoulos D. IEEE journal of biomedical and health informatics 18 (3) 2014 pp: 773-782.
13. MinePath: Mining for Phenotype Differential Sub-paths in Molecular Pathways. Koumakis L, Kanterakis A, Kartsaki E, Chatzimina M., Zervakis M., Tsiknakis M., Vassou D., Kafetzopoulos D., Marias K., Moustakis V. & Potamias G. PLoS Comput Biol. 2016 Nov 10;12(11):e1005187.
14. A network-based approach to enrich gene signatures for the prediction of breast cancer metastases. Sfakianakis S, Bei ES, Zervakis M & Kafetzopoulos D. Conf Proc IEEE Eng Med Biol Soc. 2015;2015:6497-500.
15. A novel hantavirus of the European mole, Bruges virus, is involved in frequent Nova virus co-infections. Laenen L., Vergote V, Kafetzopoulou LE, Wawina TB, Vassou D, Cook JA, Hugot JP, Deboutte W, Kang HJ, Witkowski PT, Köppen-Rung P, Krüger DH, Licková M, Stang A, Striešková L, Szemeš T, Markowski J, Hejduk J, Kafetzopoulos D, Van Ranst M, Yanagihara R, Klempa B, Maes P. Genome Biol Evol. 2017 Dec 19.

7. PATENTS

1. Purified chitin deacetylase. Kafetzopoulos D, Martinou A, Bouriotis V, and Vournakis JN. WO9307262, (15-APR-1993). Patents:: US 5,219,749 \ EP 0610320 \ CA 2,120,328 AU 669,676 \ JP 7,231,787 \ KP 286, 078.
2. DNA encoding chitin deacetylase. Thireos G and Kafetzopoulos D. WO9413815, (23-JUN-1994), EP 673,425 \ CA 2,151,257 \ AU 5,698,494 AU 663,991 \ KP 702,300 \ US 5,525,502 \ US 6,297,040 \ US 6,004,795.
3. DNA encoding an arthropod chitin synthase. Thireos G, and Kafetzopoulos D. WO9853053, (26-NOV-1998), US 09 230,041 EP 983,366 \ JP 549954/98 \ NO 19990244 \ AU8019098.
4. Fabrication of biopolymer patterns by means of laser transfer. Fotakis K, Thireos G, Zergioti I, Kafetzopoulos D. Patent: 1004059 (15-NOV-2002), PCT/EP02/14761 (24-DEC-02).
5. Biosensor by monitoring magnetically induced capacitance changes. D. Kafetzopoulos, P. Andreakou, C. Boutopoulos, I. Zergioti, S. Chatzandroulis, P. Normand, D. Tsoukalas. Patent: 1006438 (16-JUN-2009)