Short Curriculum vitae

Name:	Athanasios D. Velentzas
Nationality:	Greek, European Union (EU) citizen
Occupational address:	Department of Cell Biology & Biophysics, Faculty of Biology, University of Athens, 15701, Athens, Greece
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Current position: (2014-)	Teaching and Research Assistant and Post-doctoral researcher in Cell Biology and Biophysics department, Faculty of Biology, University of Athens
Education:	**2006**: Ph.D. Thesis (Department of Biology, University of Athens, under the supervision of Prof. Margaritis)
	2002: Bachelor of Science (B.Sc.), Department of Biology, University of Athens, Athens, Greece (GR)
	1995: High School Graduation
Foreign languages:	English
Scholarships:	**2002-2006:** Hrakleitos postgraduate research program
Teaching: (in the current position)	• Essential contribution in the Laboratory Practice and Training of the undergraduate courses "**Cell Biology**", "**Advanced Cell Biology**", "**Developmental Biology and Histology**", "**Bioinformatics**" and "**Current issues on Biology of the Cell**" taking hold in the Section of Cell Biology & Biophysics, Department of Biology, University of Athens • Teaching organization and contribution in the courses "**Cell Biology**", "**Radiations: Impacts on health and applications in Biomedical imaging**" and "**Methodology of Biomedical research and data analysis**" of the Inter-disciplinary (Medical School-Department of Biology) Post-graduate Program "Application of Biology in Medicine", taking hold in the Section of Cell Biology & Biophysics, Faculty of Biology, University of Athens • Teaching, organization and contribution in the courses "**Biology I**" and "**Biology II**" of the Post-graduate Program "Teaching of Biology", taking hold in the Section of Cell Biology & Biophysics, Faculty of Biology, University of Athens • Teaching in the courses "**Principles and methods in Bioinformatics**" and "**Methodology of research**" of the Post-graduate Program "Bioinformatics", taking hold in the Section of Cell Biology & Biophysics, Faculty of Biology, University of Athens • Contribution in the supervision of undergraduate and MSc Diploma Theses
Publications:	**2019** 1. Recipient's effects on stored red blood cell performance: the case of uremic plasma. Georgatzakou HT, Tzounakas VL, **Velentzas AD**, Papassideri IS, Kokkalis AC, Stamoulis KE, Kriebardis AG, Antonelou MH. Transfusion. 59(6):1900-1906. 2. Revisiting Histone Deacetylases in Human Tumorigenesis: The Paradigm of Urothelial Bladder Cancer. Giannopoulou AF, **Velentzas**

Publications (cont.):	**AD**, Konstantakou EG, Avgeris M, Katarachia SA, Papandreou NC, Kalavros NI, Mpakou VE, Iconomidou V, Anastasiadou E, Kostakis IK, Papassideri IS, Voutsinas GE, Scorilas A, Stravopodis DJ. Int J Mol Sci. 20(6). pii: E1291. Review. 3. Gene-Specific Intron Retention Serves as Molecular Signature that Distinguishes Melanoma from Non-Melanoma Cancer Cells in Greek Patients. Giannopoulou AF, Konstantakou EG, **Velentzas AD**, Avgeris SN, Avgeris M, Papandreou NC, Zoi I, Filippa V, Katarachia S, Lampidonis AD, Prombona A, Syntichaki P, Piperi C, Basdra EK, Iconomidou V, Papadavid E, Anastasiadou E, Papassideri IS, Papavassiliou AG, Voutsinas GE, Scorilas A, Stravopodis DJ. Int J Mol Sci. 20(4). pii: E937. **2018** 4. The indispensable contribution of s38 protein to ovarian-eggshell morphogenesis in *Drosophila melanogaster*. **Velentzas AD**, Velentzas PD, Katarachia SA, Anagnostopoulos AK, Sagioglou NE, Thanou EV, Tsioka MM, Mpakou VE, Kollia Z, Gavriil VE, Papassideri IS, Tsangaris GT, Cefalas AC, Sarantopoulou E, Stravopodis DJ. Sci Rep. 8:16103. 5. Unraveling the human protein atlas of metastatic melanoma in the course of ultraviolet radiation-derived photo-therapy. Konstantakou EG[*], **Velentzas AD**[*], Anagnostopoulos AK[*], Giannopoulou AF, Anastasiadou E, Papassideri IS, Voutsinas GE, Tsangaris GT, Stravopodis DJ. J Proteomics. 188:119-138 [*]Equal contribution 6. Donor-specific individuality of red blood cell performance during storage is partly a function of serum uric acid levels. Tzounakas VL, Karadimas DG, Anastasiadi AT, Georgatzakou HT, Kazepidou E, Moschovas D, **Velentzas AD**, Kriebardis AG, Zafeiropoulos NE, Avgeropoulos A, Lekka M, Stamoulis KE, Papassideri IS, Antonelou MH. Transfusion. 58(1):34-40. **2017** 7. Short-term effects of hemodiafiltration versus conventional hemodialysis on erythrocyte performance. Georgatzakou HT, Tzounakas VL, Kriebardis AG, **Velentzas AD**, Kokkalis AC, Antonelou MH, Papassideri IS. Can J Physiol Pharmacol. 96(3):249-257. 8. Quantitative and qualitative analysis of regulatory T cells in B cell chronic lymphocytic leukemia. Mpakou VE, Ioannidou HD, Konsta E, Vikentiou M, Spathis A, Kontsioti F, Kontos CK, **Velentzas AD**, Papageorgiou S, Vasilatou D, Gkontopoulos K, Glezou I, Stavroulaki G, Mpazani E, Kokkori S, Kyriakou E, Karakitsos P, Dimitriadis G, Pappa V. Leukemia research. 60:74-81. 9. Data of sperm-entry inability in Drosophila melanogaster ovarian follicles that are depleted of s36 chorionic protein. **Velentzas AD**, Velentzas PD, Katarachia S, Mpakou VE, Papassideri IS, Stravopodis DJ. Data Brief. 12:180-183. 10. Pathophysiological aspects of red blood cells in end-stage renal disease patients resistant to recombinant human erythropoietin therapy. Georgatzakou HT, Tzounakas VL, Kriebardis AG, **Velentzas AD**, Papageorgiou EG, Voulgaridou AI, Kokkalis AC, Antonelou MH, Papassideri IS. Eur J Haematol. 98(6):590-600. 11. Deep-proteome mapping of WM-266-4 human metastatic melanoma cells: From oncogenic addiction to druggable targets. Konstantakou EG[*], **Velentzas AD**[*], Anagnostopoulos AK[*], Litou ZI,

Publications (cont.):	Konstandi OA, Giannopoulou AF, Anastasiadou E, Voutsinas GE, Tsangaris GTh, Stravopodis DJ. PLoS One. 12(2): e0171512. *Equal contribution **2016** 12. Targeted Downregulation of s36 Protein Unearths its Cardinal Role in Chorion Biogenesis and Architecture during *Drosophila melanogaster* Oogenesis. **Velentzas AD**, Velentzas PD, Sagioglou NE, Konstantakou EG, Anagnostopoulos AK, Tsioka MM, Mpakou VE, Kollia Z, Consoulas C, Margaritis LH, Papassideri IS, Tsangaris GT, Sarantopoulou E, Cefalas AC, Stravopodis DJ. Sci Rep. 6:35511. 13. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Klionsky DJ, … **Velentzas AD**, … Zughaier SM. Autophagy. 12(1):1-222. Review. 14. Systematics of Pseudamnicola (Gastropoda: Hydrobiidae): description of two new species from insular Greece and redescription of P. pieperi Schütt, 1980. Radea C, Parmakelis A, **Velentzas AD**, Triantis KA. Journal of Molluscan Studies 82(1):67-79 **2015** 15. Preparation of hybrid triple-stimuli responsive nanogels based on poly (L-histidine). Bilalis P, Varlas S, Kiafa A, **Velentzas A**, Stravopodis D, Iatrou H. J. Polym. Sci. Part A: Polym. Chem., 54:1278–1288. 16. Global Proteomic Profiling of *Drosophila* Ovary: A High-resolution, Unbiased, Accurate and Multifaceted Analysis. **Velentzas AD***, Anagnostopoulos AK*, Velentzas PD, Mpakou VE, Sagioglou NE, Tsioka MM, Katarachia S, Manta AK, Konstantakou EG, Papassideri IS, Tsangaris GT, Stravopodis DJ. Cancer Genomics Proteomics. 12(6):369-384. *Equal contribution 17. 3-BrPA eliminates human bladder cancer cells with highly oncogenic signatures via engagement of specific death programs and perturbation of multiple signaling and metabolic determinants. Konstantakou EG, Voutsinas GE, **Velentzas AD**, Basogianni AS, Paronis E, Balafas E, Kostomitsopoulos N, Syrigos KN, Anastasiadou E, Stravopodis DJ. Mol Cancer. 14(1):135. 18. Dental Stem Cell Migration on Pulp Ceiling Cavities Filled with MTA, Dentin Chips, or Bio-Oss. Lymperi S, Taraslia V, Tsatsoulis IN, Samara A, **Velentzas AD**, Agrafioti A, Anastasiadou E, Kontakiotis. E. Biomed Res Int. 2015: 189872. **2014** 19. Blood modifications associated with end stage renal disease duration, progression and cardiovascular mortality: a 3-year follow-up pilot study. Antonelou MH, Georgatzakou HT, Tzounakas VL, **Velentzas AD**, Kokkalis AC, Kriebardis AG, Papassideri IS. J Proteomics. 101:88-101. 20. Viability of *Cladosporium herbarum* spores under 157 nm laser and vacuum ultraviolet irradiation, low temperature (10 K) and vacuum. Sarantopoulou E, Stefi A, Kollia Z, Palles D, Petrou P, Bourkoula A, Koukouvinos G, **Velentzas AD**, Kakabakos S, Cefalas A. Journal of Applied Physics 116(10):104701 **2013** 21. Proteasome, but not autophagy, disruption results in severe eye and wing dysmorphia: a subunit- and regulator-dependent process in *Drosophila*. Velentzas PD*, **Velentzas AD***, Pantazi AD, Mpakou VE,

Publications (cont.):	Zervas CG, Papassideri IS, Stravopodis DJ. PLoS One. 8(11):e80530. * Equal contribution 22. Detrimental effects of proteasome inhibition activity in *Drosophila melanogaster*: implication of ER stress, autophagy, and apoptosis. Velentzas PD, **Velentzas AD**, Mpakou VE, Antonelou MH, Margaritis LH, Papassideri IS, Stravopodis DJ. Cell Biol Toxicol. 29(1):13-37. **2012** 23. Effects of pre-storage leukoreduction on stored red blood cells signaling: a time-course evaluation from shape to proteome. Antonelou MH, Tzounakas VL, **Velentzas AD**, Stamoulis KE, Kriebardis AG, Papassideri IS. J Proteomics. 76 Spec No.:220-238. **2011** 24. Complete genome sequence of *Mycobacterium* sp. strain (Spyr1) and reclassification to *Mycobacterium gilvum* Spyr1. Kallimanis A, Karabika E, Mavromatis K, Lapidus A, Labutti KM, Liolios K, Ivanova N, Goodwin L, Woyke T, **Velentzas AD**, Perisynakis A, Ouzounis CC, Kyrpides NC, Koukkou AI, Drainas C. Stand Genomic Sci. 5(1):144-153. 25. Programmed cell death of the ovarian nurse cells during oogenesis of the ladybird beetle *Adalia bipunctata* (Coleoptera: Coccinellidae). Mpakou VE, **Velentzas AD**, Velentzas PD, Margaritis LH, Stravopodis DJ, Papassideri IS. Dev Growth Differ. 53(6):804-815. 26. Complete genome sequence of *Arthrobacter phenanthrenivorans* type strain (Sphe3). Kallimanis A, Labutti KM, Lapidus A, Clum A, Lykidis A, Mavromatis K, Pagani I, Liolios K, Ivanova N, Goodwin L, Pitluck S, Chen A, Palaniappan K, Markowitz V, Bristow J, **Velentzas AD**, Perisynakis A, Ouzounis CC, Kyrpides NC, Koukkou AI, Drainas C. Stand Genomic Sci. 4(2):123-130. 27. Oxidative stress-associated shape transformation and membrane proteome remodeling in erythrocytes of end stage renal disease patients on hemodialysis. Antonelou MH, Kriebardis AG, **Velentzas AD**, Kokkalis AC, Georgakopoulou SC, Papassideri IS. J Proteomics. 74(11):2441-2452. **2010** 28. Proteasome inhibition induces developmentally deregulated programs of apoptotic and autophagic cell death during *Drosophila melanogaster* oogenesis. Velentzas PD, **Velentzas AD**, Mpakou VE, Papassideri IS, Stravopodis DJ, Margaritis LH. Cell Biol Int. 35(1):15-27. **2009** 29. Cell death during *Drosophila melanogaster* early oogenesis is mediated through autophagy. Nezis IP*, Lamark T*, **Velentzas AD***, Rusten TE, Bjørkøy G, Johansen T, Papassideri IS, Stravopodis DJ, Margaritis LH, Stenmark H, Brech A. Autophagy. 5(3):298-302. *Equal contribution 30. The mode of lymphoblastoid cell death in response to gas phase cigarette smoke is dose-dependent. Sdralia ND, Patmanidi AL, **Velentzas AD**, Margaritis LH, Baltatzis GE, Hatzinikolaou DG, Stavridou A. Respir Res. 10:82. **2007** 31. Apoptosis and autophagy function cooperatively for the efficacious execution of programmed nurse cell death during *Drosophila virilis*

	oogenesis. **Velentzas AD**, Nezis IP, Stravopodis DJ, Papassideri IS, Margaritis LH. Autophagy. 3(2):130-132 32. Stage-specific regulation of programmed cell death during oogenesis of the medfly *Ceratitis capitata* (Diptera, Tephritidae). **Velentzas AD**, Nezis IP, Stravopodis DJ, Papassideri IS, Margaritis LH. Int J Dev Biol. 51(1):57-66. 33. Mechanisms of programmed cell death during oogenesis in *Drosophila virilis*. **Velentzas AD**, Nezis IP, Stravopodis DJ, Papassideri IS, Margaritis LH. Cell Tissue Res. 327(2):399-414.
Computer skills:	Knowledge of *Windows OS*, *Microsoft Office* suite, Image analysis and processing software. Development of multimedia platforms and applications for distant learning of undergraduate and postgraduate courses (http://multimedia.biol.uoa.gr). Advanced knowledge of hardware
Other Activities:	• Over 50 announcements in International and National conferences • Collaborative researcher in scientific proposals (Thales, Archimedes III) • Translation from the English to Greek Language of the chapters 9, 15, and 18 (in collaboration with Professors D. Stravopodis and L.H. Margaritis) of the scientific textbook «Molecular Biology of the Cell» Bruce Alberts, Alexander Johnson, Julian Lewis, David Morgan, Martin Raff, Keith Roberts & Peter Walter, 1st Greek Edition, «Utopia publications» (ISBN 978-618-51732-9-6).
Research Interests:	• Role of proteasome in the disruption of cellular signalling integrity • Proteolytic mechanisms and their role in senescence and longevity • Developmental-specific activation of distinct cellular signalling pathways

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