

BRIEF CURRICULUM VITAE

ARISTEIDIS KRITIS, Honors BSc, MD, PhD

Associate Professor, School of Medicine, Faculty of Health Sciences,

Aristotle University of Thessaloniki, Greece

Department of Physiology and Pharmacology, University Campus,

54124 Thessaloniki

Email: kritis@auth.gr

Tel: 2310999007, 6944261779

Website: <http://physiology.med.auth.gr/el/users/kritis>, <http://www.remeicproject.eu>

Born on 23rd of May 1960 in Nea Moudania of Chalkidiki.

Studied Biochemistry in the Biochemistry department of the University of Dundee in Scotland, from where he graduated with an Honors BSc in 1985.

Completed his postgraduate thesis in the Medical School of the University of Crete, and he was awarded his PhD in 1993.

In 1990 He was trained in Molecular Biology and Biotechnology, in the Molecular Genetics Section of the Whitaker Cardiovascular Institute in the Boston University Medical Center in the USA. Postdoctoral Studies/Fellowships

From 1990 to 1995 he was a Postdoctoral Fellow in the lab. of Human Molecular Genetics, Institute of Molecular Biology and Biotechnology Heraklion, Crete.

1995 to 2001 Postdoctoral Fellow lab. of Pharmacology School of Pharmacy, Aristotle University of Thessaloniki.

In 2001 he was elected Lecturer in Physiology and since 2012 he serves as an Associate Professor in the Laboratory of Physiology, in the Physiology and Pharmacology Department of the Medical Faculty, School of Health Sciences in the Aristotle University of Thessaloniki.

In 2014 he implemented the Cross Border Stem Cells Regenerative Medicine program "REMEDI" (www.remedicproject.eu) being the Lead Project partner and the Contact Person. He established a Regenerative Medicine, cGMP Facility, dedicated to cartilage and bone regeneration from adipose derived mesenchymal stem cells, development of personalized medical implants and cell therapies.

In the fall semester of 2019, he was a Scientific collaborator Dept. of Dentistry European University Cyprus, Nicosia, Cyprus.

His research interests include Cell Signaling in neurodegenerative diseases with respect to inflammation, cell death and Tissue Engineering of personalized human cartilage implants in 3D printed scaffolds, towards Advanced Therapeutic Medicinal Product (ATPM) development.

He is director of the cGMP Regenerative Medicine facility in the lab. of Physiology He has considerable published work of 54 scientific articles a H.f. of 17 and 1100 citations (Google Scholar).

Memberships

Founding member of the Hellenic Physiological Society (ΕΕΦ 2006)

Founding member of the Society for gene therapy and regenerative medicine (ΕΕΓΘΑΙ 2015)

Member of the Neurosciences Society (1999).

Member of the Hellenic society of Biochemistry and Molecular Biology (1999)

Member of the Hellenic Pharmacological Society (2000).

Selected Publications

1. The marine polysaccharide ulvan confers potent osteoinductive capacity to pcl-based scaffolds for bone tissue engineering applications Kikionis, S., Ioannou, E., Aggelidou, E., (...), **Kritis**, A., Roussis, V. 2021 International Journal of Molecular Sciences 2. 22(6),3086, pp. 1-20
2. In Vivo Cartilage Regeneration with Cell-Seeded Natural Biomaterial Scaffold Implants: 15-Year Study. Theodoridis K, Manthou ME, Aggelidou E, **Kritis** A. Tissue Eng Part B Rev. 2021 Mar 10. doi: 10.1089/ten.TEB.2020.0295. Online ahead of print. PMID: 33470169
3. An effective device and method for enhanced cell growth in 3D scaffolds: Investigation of cell seeding and proliferation under static and dynamic conditions. Theodoridis K, Aggelidou E, Manthou ME, Keklikoglou K, Tsimponis A, Demiri E, Bakopoulou A, Mihailidis A, **Kritis** A. Mater Sci Eng C Mater Biol Appl. 2020 Sep;114:111060. doi: 10.1016/j.msec.2020.111060. Epub 2020 May 11. PMID: 3299397
4. Therapeutic Potential of Mesenchymal Stromal Stem Cells in Rheumatoid Arthritis: a Systematic Review of In Vivo Studies. Karamini A, Bakopoulou A, Andreadis D, Gkiouras K, **Kritis** A. Stem Cell Rev Rep. 2020 Apr;16(2):276-287.
5. Assessment of cartilage regeneration on 3D collagen-polycaprolactone scaffolds: Evaluation of growth media in static and in perfusion bioreactor dynamic culture. Theodoridis K, Aggelidou E, Manthou M, Demiri E, Bakopoulou A, **Kritis** A. Colloids Surf B Biointerfaces. 2019 Jul 29;183:110403.
6. Hyaline cartilage next generation implants from adipose-tissue-derived mesenchymal stem cells: Comparative study on 3D-printed polycaprolactone scaffold patterns. Theodoridis K, Aggelidou E, Vavilis T, Manthou ME, Tsimponis A, Demiri EC, Boukla A, Salpistis C, Bakopoulou A, Mihailidis A, **Kritis** A. J Tissue Eng Regen Med. 2019 Feb;13(2):342-355.
7. Crocus sativus L. Causes a Non Apoptotic Calpain Dependent Death in C6 Rat Glioma Cells, Exhibiting a Synergistic Effect with Temozolomide. Giakoumettis D, Pourzitaki C, Vavilis T, Tsingotjidou A, Kyriakoudi A, Tsimidou M, Boziki M, Sioga A, Foroglou N, **Kritis** A. Nutr Cancer. 2019;71(3):491-507
8. Fibro/chondrogenic differentiation of dental stem cells into chitosan/alginate scaffolds towards temporomandibular joint disc regeneration. Bousnaki M, Bakopoulou A, Papadogianni D, Barkoula NM, Alpantaki K, **Kritis** A, Chatzinikolaidou M, Koidis P. J Mater Sci Mater Med. 2018 Jun 26;29(7):97.
9. Isolation and prolonged expansion of oral mesenchymal stem cells under clinical-grade, GMP-compliant conditions differentially affects "stemness" properties. Bakopoulou A, Apatzidou D, Aggelidou E, Gousopoulou E, Leyhausen G, Volk J, **Kritis** A, Koidis P, Geurtsen W. Stem Cell Res Ther. 2017 Nov 2;8(1):247
10. Angiogenic Potential and Secretome of Human Apical Papilla Mesenchymal Stem Cells in Various Stress Microenvironments. Bakopoulou A, **Kritis** A, Andreadis D, Papachristou E, Leyhausen G, Koidis P, Geurtsen W, Tsiftoglou A. Stem Cells Dev. 2015 Nov 1;24(21):2496-512. doi: 10.1089/scd.2015.0197. PMID: 26203919