

Curriculum Vitae

Name / Surname: Tulin Bodamyali (previously Tulin Sahinoglu to May 1998)

Date of Birth: 21.11.1962

Title : Prof. Dr.

Education Background:

Degree	Major	Institution	Year
Undergraduate (BSc. Hons)	Life Sciences	University of Central London	1984
Graduate (MSc)	Toxicology	University of Surrey	1987
PhD	Pathology	University of London	1992
Certificate	Basic Counselling Skills	University of Bath	2002
Certificate	Advanced Counselling Skills	University of Bath	2003
Certificate	Introduction to Psychology	University of Bath	2003
Professional Diploma	Counselling and Psychotherapy	Rusland College, Bath	2004
Assist. Prof.	Medical Sciences	Girne American University	2004
Assoc. Prof.	Health Sciences	Girne American University	2008
Prof.		Girne American University	

Graduate Project / Theses Name (abstract attached) and Advisors:

MSc Thesis entitled " Investigation of the effects of steroid hormones on the mutagenicity of some established carcinogens" Advisor: Dr Costas Ionnaides

PhD thesis entitled " Oxidant stress and endothelial cell function in synovitis" Advisor: Professor David R. Blake

Positions held:

Title	Institution	Year
V.Rector	Girne American University	2018-
Dean	Girne American University, Faculty of Health Sciences	Sept 2013- to date
Project Coordinator	Girne American University, Kibris	Sept 2012- Sept 2013
Rector's Consultant (Health Education and Projects)	Girne American University, Kibris	Feb 2012- Aug 2012
Vice-Rector, Student Affairs	Girne American University, Kibris	Nov 2009- Feb 2012
Dean of Faculty of Humanities	Girne American University, Kibris	Feb 2009- Nov 2009
Acting Dean of Faculty of Humanities	Girne American University, Kibris	Sept 2008- Feb 2009
Head of Psychology Department	Girne American University, Kibris	Sept 2004- to date
Clinical Trials Coordinator	Royal United Hospital, Bath, UK	Nov 2003- June 2004
Clinical Research Associate	Royal National Hospital for Rheumatic Diseases, Bath, UK	Sept 2003- April 2004
Post- doctoral Research Fellow	Department of Medical Sciences, University of Bath, Bath,UK	Sep 1997- June 2004

Post-doctoral research associate	Bone and Joint Research Unit, London Hospital Medical College, University of London, London, UK	March 1992- Sep 1997
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Graduate Projects managed:

45 projects

PhD theses managed:

5 PhD Thesis supervised

Positions held in projects :

Mechanism of action of anti-arthritic gold drugs. PhD Project

Anti-arthritic gold drugs and vascular endothelial cell proliferation and angiogenesis. PhD Project

The putative role of the enzyme xanthine oxidase in inflammation. PhD Project and PhD Supervision

The potential role of oxidants in bone resorption. PhD Supervisor

The role of oxidants in vascular smooth muscle proliferation. MD Project

Role of hypoxia in inflammation. MD Project

Role of hypoxia in vascular wall matrix remodelling. PhD Supervisor

Dermal graft development- tissue engineering. PhD Supervisor

Small diameter vascular graft development- tissue engineering. PhD Supervisor

Dermal graft development with antimicrobial and pro-angiogenic properties. PhD Project

Effects of Therapeutic Pulsed Electromagnetic Fields on bone remodelling. Post-doctoral project and PhD Supervision

Mechanism of action of bone fusion /healing devices. Post-doctoral Project

Dermal wound healing and hypoxia. PhD Project

Understanding pain mechanisms in Fibromyalgia- a psychomedical analysis. Post-doctoral project

Administrative positions :

Management of radioactivity and laboratory safety procedures at Bath University Medical Sciences department.

Principal supervision and management of several PhD and MD projects at Bath University, Medical Sciences Department.

Clinical Trials Research Manager, Vascular Studies Unit, Royal United Hospital, Bath, UK.
Management of 5 International Trials related to Vascular Pathology.

Memberships to Scientific Institutions :

British Biochemical Society

British Inflammation Research Association

European Society for Free Radical Research

Publications

A. Published articles/publications/journals with arbitration:

A1. Grootveld M, Blake DR, **Sahinoglu T**, Claxson AWD, Mapp P, Stevens CR, Allen RE, Furst A. Control of oxidative damage in rheumatoid arthritis by Gold(I)-Thiolate drugs. *Free Rad Res Commun* 1990;**10(4-5)**:199-220

A2. Blake DR, Merry P, Stevens CR, Dabbagh A, **Sahinoglu T**, Allen R, Morris C. Iron Free Radicals and Arthritis. *Proceedings Nutrition Society* 1990; **49**:239-245

A3. **Sahinoglu T**, Grootveld M, Stevens CR, Thompson CR, Claxson AWD, Blake DR. Influence of disodium aurothiomalate on the activities of xanthine dehydrogenase and xanthine oxidase in endothelial cells. *Agents and Actions* 1991;**32**:71-75

A4. Stevens CR, Benboubetra M, Harrison R, **Sahinoglu T**, Smith EC, Blake DR. Localisation of xanthine oxidase to synovial endothelium. *Ann Rheum Dis* 1991; **50**:760-762

A5. Stevens CR, Bucurenci N, Abbot SE, **Sahinoglu T**, Blake DR, Naughton D, Grootveld MC. Application of methionine as a detector molecule for the assessment of oxygen radical generation by human neutrophils and endothelial cells. *Free Rad Res Commun* 1992;**17(2)**:143-154

A6. Griffiths HR, Dowling EJ, **Sahinoglu T**, Blake DR, Parnham M, Lunec J. The selective protection afforded by ebselen against lipid peroxidation in an ROS-dependent model of inflammation. *Agents Actions* 1992; **36**: 197-11.

A7. Zaidi, M., Towhidul Alam, ASM, Bax BE, Shankar VS, Bax CMR, Gill JS, Pazianas M, Huang CLH, **Sahinoglu T**, Stevens CR, Blake DR. Role of the endothelial cell in osteoclast control: new perspectives. *Bone* 1993; **14**: 97-102

A8. Sahinoglu T, Stevens CR, Blake DR. The joint, a redox sensitive microenvironment? - An Hypothesis. *Scand J Rheum* 1995; **24** (Suppl 101): 131-136.

A9. Harley SL, Morris CJ, **Sahinoglu T**. c-Src oncogene and rheumatoid arthritis. 125-133 *ID Research Alerts- Rheumatoid Arthritis*. **1(3)**:1997

A10. Blake DR, Stevens CR, **Sahinoglu T**, Ellis G, Gaffney K, Edmonds S, Benboubetra M, Harrison R, Jawed S, Kanczler J, Millar TM, Winyard PG, Zhang Z. Xanthine oxidase: four roles for the enzyme in rheumatoid pathology. 812-6 *Biochem Soc Trans* **25(3)**:1997

A11. Bodamyali T, Bhatt B, Hughes FJ, Winrow VR, Kanczler JM, Simon B, Abbott J, Blake DR, Stevens CR. Pulsed electromagnetic fields simultaneously induce osteogenesis and upregulate transcription of bone morphogenetic proteins 2 and 4 in rat osteoblasts in vitro. 458-61 *Biochem Biophys Res Commun* **250(2)**: 1998

A12. Bodamyali T, Stevens CR, Billingham ME, Ohta S, Blake DR. Influence of hypoxia in inflammatory synovitis. 703-10 *Ann Rheum Dis* **57(12)**:1998

A13. Bodamyali T, Kanczler JM, Simon B, Blake DR, Stevens CR. Effect of Faradic products on direct current-stimulated calvarian organ culture calcium levels. 657-61 *Biochem Biophys Res Commun* **264**: 1999

A14. Smith M, McFetridge P, Chaudhuri JB, **Bodamyali T**, Howell JA, Stevens CR, Horrocks M. Porcine-derived Collagen as a Scaffold for Tissue Engineering. *Trans IchemE*, 78: 19-24. 2000

A15. Stevens CR, Millar TM, Clinch JG, Kanczler JM, **Bodamyali T**, Blake DR. Antibacterial properties of xanthine oxidase in human milk. *The Lancet* 356: 829-830. 2000.

A16. Millar TM, Kanczler JM, **Bodamyali T**, Blake DR, Stevens CR. Xanthine oxidase is a peroxynitrite synthase: newly identified roles for a very old enzyme. *Redox Rep* 2002; **7(2)**:65-70.

A17. Kirk CS, **Bodamyali T**, Stevens CR, Mileham A. Computer Modeling and Experimental Validation of Smooth Muscle cell growth using Matrigel as a Basement Membrane Matrix. *European Journal of Cells and Materials* 2002 Vol. IV ISSN:1473-2262.

A18. Kanczler JM, Millar TM, **Bodamyali T**, Blake DR, Stevens CR. Xanthine oxidase mediates cytokine induced, but not hormone-induced bone resorption. *Free Radic Res* 2003 Feb; **37 (2)**:179-87.

A19. McFetridge PS, **Bodamyali T**, Horrocks M, Chaudhuri JB. Endothelial and smooth muscle cell seeding onto processed ex vivo arterial scaffolds using 3D vascular bioreactors. *ASAIO J.* 2004 Nov-Dec;50(6):591-600.

A20. Jarman-Smith ML, **Bodamyali T**, Stevens C, Howell JA, Horrocks M, Chaudhuri JB. Porcine collagen crosslinking, degradation and its capability for fibroblast adhesion and proliferation. *J Mater Sci Mater Med.* 2004 Aug;15(8):925-32.

A21. McFetridge PS, Daniel JW, **Bodamyali T**, Horrocks M, Chaudhuri JB. Preparation of porcine carotid arteries for vascular tissue engineering applications. *J Biomed Mater Res A.* 2004 Aug 1;70(2):224-34.

A22. McCabe CS, **Bodamyali T**, Cohen H, Blake DR. Generating sensory-motor conflict in patients with Fibromyalgia exacerbates symptoms: implications for pathology? April 2006 submitted for publication.

B. International Symposium proceedings:

B1. Grootveld M, **Sahinoglu T**, Stevens CR, Claxson AWD, Blake DR. Influence of disodium aurothiomalate on the activities of xanthine dehydrogenase and xanthine oxidase in endothelial cells. Abstracts of the IAIS Symposium on drugs in inflammation. Noordwijk. June 1990.

B2. Grootveld M, Blake DR, **Sahinoglu T**, Claxson AWD, Mapp PI, Stevens CR, Allen RE, Furst A. The role of anti-arthritis gold(I)-thiolate drugs in the control of oxidative damage in inflammatory joint diseases. Royal Society of Chemistry Analytical Division: Symposium on Free Radicals in Biotechnology and Medicine, February 1990.

B3. **Sahinoglu T**, Allen RE, Grootveld M, Stevens CR, Blake DR. The effect of disodium aurothiomalate on the conversion of xanthine dehydrogenase to xanthine oxidase. *Int J Microcirc Clin Exp* 1990; **9 suppl 1**: 44.

B4. Stevens CR, Allen RE, **Sahinoglu T**, Blake DR. Mechanisms of increased factor VIII related antigen release in ischaemia related to observations in rheumatoid arthritis. *Br J Rheumatol* 1990; **29**: 12.

B5. Smith EC, **Sahinoglu T**, Stevens CR, Blake DR. Plasma xanthine oxidase activity increases on exercise of chronically inflamed knee joint. Proceedings British Society of Rheumatology IXth Annual General Meeting & VII Eular Symposium. *Br J Rheumatol* 1992;**31**:220.

B6. Bax CMR, Alam ASMT, Shankar VS, Moonga BS, Pazianas M, Abbot SE, **Sahinoglu T**, Nazhat NB, Stevens CR, Balke DR, Bax BE. Evidence that hydrogen peroxide is the osteoblast-osteoclast coupling factor for vitamin D₃-induced stimulation of bone resorption. *J Bone and Min Res* 1992; **7(Suppl.1)**: S242

- B7.** Stevens CR, Bax BE, Shankar VS, Abbot SE, **Sahinoglu T**, Nazhat NB, Zaidi M, Blake DR. Osteoblast-derived H₂O₂ may account for osteoclastic bone resorption stimulatory activity induced by Vit D₃ and TNF α *in vivo*. *Br J Rheumatol* 1993;**32**:42.
- B8.** Harley SL, Abbot SE, Stevens CR, **Sahinoglu T**, Blake DR. Assessment of endothelial cell function under reduced oxygen tension. *Br J Rheumatol* 1993;**32**:21.
- B9.** Harley SL, Marok R, **Sahinoglu T**, Abbot SE, Stevens CR, Blake DR. Increased Proliferation in endothelial cells by pulsed electromagnetic fields. *40th Harden Conference, Scotland* 1993.
- B10.** Nazhat NB, Singh D, **Sahinoglu T**, Blake DR. Drug assay using electron spin resonance spectroscopy- a novel technique. *Br Soc Pharmacol* 1993
- B11.** **Sahinoglu T**, Nazhat NB, Saadalla-Nazhat RA, Edmonds S, Blake DR. On the mechanisms of efficacy of azapropazone in rheumatoid arthritis. *Br J Rheumatol* 1993; **32**.
- B12.** **Sahinoglu T**, Stevens CR, Abbot SE, Zaidi M, Blake DR. Oxidative stress stimulates osteoclastic bone resorption. *International conference on oxidative stress on cell activation and viral infection*. Paris, March 1993.
- B13.** Zhang Z, Harrison R, Abbot SE, **Sahinoglu T**, Harley SL, Stevens CR, Blake DR. Detection of xanthine oxidase in UMR-106 osteoblast-like cells using novel monoclonal antibodies assessed by SPR and immunocytochemistry. *Pharmacia SPR Meeting, London*, 1993.
- B14.** **Sahinoglu T**, Stevens CR, Abbot SE, Harley SL, Zaidi M, Blake DR. Evidence for the presence of active xanthine oxidase in osteoblasts as a source of reactive oxygen species. *J Bone Min Res* 1993; **8 (1)**: S369.
- B15.** Stevens CR, Abbot SE, Harley SL, **Sahinoglu T**, Grootveld MC, Zaidi M, Blake DR. TNF α -stimulated osteoblasts induce oxidative modification to their culture environment consistent with hydrogen peroxide generation : A proton NMR study. *J Bone and Min Res* 1993 **8**: S124.
- B16.** Stevens CR, Harley SL, Marok R, **Sahinoglu T**, Abbot S, Blake DR. Pulsed electromagnetic fields increase proliferation of endothelial cells: A hypothesis for a molecular mechanism. *NATO ASI International Conference on Molecular Mechanisms of Angiogenesis*. Rhodes, Greece, June 1993.
- B17.** Abbot SE, Doel JJ, Harley SL, **Sahinoglu T**, Simon B, Blake DR, Stevens CR. Pulsed electromagnetic fields enhance human osteoblast proliferation; an IL-6 independent effect. *BSR* April 1994
- B18.** Harley SL, Abbot SE, **Sahinoglu T**, Bax BE, Blake DR, Stevens CR. NO controversy in bone resorption: How are osteoclasts affected by nitric oxide? *BSR* April 1994.

B19. Sahinoglu T, Stevens CR, Harley SL, Abbot SE, Blake DR, Bhatt B. Xanthine oxidoreductase as a source of reactive oxygen species in bone resorption. BSR April 1994.

B20. Sahinoglu T, Nazhat NB, Saadalla-Nazhat RA, Singh D, Perera A, Blake DR. Comparison of the capacity of anti-inflammatory drugs in limiting oxidising species activity in synovial fluid- An ESR study. BSR April 1994.

B21. Sahinoglu T, Bhatt B, Abbot SE, Blake DR, Stevens CR. Synovial microvascular endothelial cells in culture express active xanthine oxidase. BSR 1995

B22. Sahinoglu T, Bhatt B, Hughes FJ, Blake DR, Stevens CR. Osteoblastic bone nodules and bone morphogenetic proteins are induced by bone growth stimulating pulsed electromagnetic fields. *British Journal of Rheumatology* 1996;**35**(S1): 61

B23. Jawed S, Stevens CR, Zhang Z, Farr M, **Sahinoglu T**, Chikanza I, Harrison R, Blake DR. Plasma NADH oxidase activity in inflammatory synovitis measured by chemiluminescence. *British Journal of Rheumatology* 1996;**35**(S1):51.

B24. Ali NN, Kanczler JM, **Sahinoglu T**, Blake DR, Stevens CR. rhTNF α -induced resorption of mouse calvariae *in vitro* is suppressed by xanthine oxidase inhibitors. *British Journal of Rheumatology* 1996;**35**(S1):55.

B25. Kanczler JM, **Sahinoglu T**, Blake DR, Stevens CR. IL-1 induced resorption of mouse calvariae *in vitro* is inhibited by the xanthine oxidase inhibitor, allopurinol. Biochemical Society Meeting, University of Bath, April 1997

B26. Sahinoglu T, Bhatt B, Stevens CR, Blake DR. TNF upregulates osteoblastic Xanthine Oxidoreductase. Biochemical Society Meeting, University of Bath, April 1997

B27. Bodamyali T, Kanczler JM, Simon B, Blake DR, Stevens CR. Electrical stimulation of bone remodelling *in vitro* is enhanced by faradic products at the cathode. OSCOR, University of Bristol, School of Veterinary Medicine, May 1999.

B28. Kanczler JM, **Bodamyali T**, Millar TM, Jefferiss CM, Blake DR, Stevens CR. IL17-induced mouse calvarial bone resorption is associated with increased levels of nitric oxide. *Nitric Oxide Biology and Chemistry* 2000, 4(3): p296.

B29. McFetridge, PS, Caudhuri JB, Howell JA, Stevens CR, **Bodamyali T**, Horrocks M. Development of a tissue engineered small diameter vascular graft. 7th Biennial meeting of the international society for applied cardiovascular biology. Tuscon, Arizona, USA. March 2000 P55

B30. Smith M, McFetridge P, **Bodamyali T**, Chaudhuri JB, Howell JA, Stevens CR, Horrocks M. Porcine-derived collagen as a scaffold for tissue engineering. IChemE Research 2000, Jan 2000, University of Bath, Bath.

B31. Kanczler JM, Stevens CR, **Bodamyali T**, Bishay M, Blake DR. Increased xanthine oxidase-positive osteoclasts from periprosthetic acetabular bone. *Bone (Suppl.);26(3): 15S.*

B32. Kanczler JM, Stevens CR, **Bodamyali T**, Blake DR. IL-17 induced mouse calvarial bone resorption is associated with increased levels of nitric oxide. *Bone (Suppl.); 26(3):15S.*

B33. Smith M, McFetridge P, Chaudhuri JB, **Bodamyali T**, Howell JA, Stevens CR, Horrocks M. Porcine-derived Collagen as a Scaffold for Tissue Engineering. Second Smith and Nephew International Symposium - Tissue Engineering. 2000. University of York 16-19 July 2000.

B34. Chaudhuri JB Smith M, McFetridge P, **Bodamyali T**, Howell JA, Stevens CR, Horrocks M. Bioreactor Design for Tissue Engineered Products - Dermal replacements and Vascular Grafts. Institute of Physics and Engineering in Medicine. 20 July 2000. IPEM, York. UK.

B35. McCarthy RJ, **Bodamyali T**, Stevens CR, Kanczler JM, Peters C, Horrocks M. Demonstration of Xanthine oxidoreductase in abdominal aortic aneurysms. International Society for Vascular Surgery Meeting, Dresden, Germany, April 2000.

B36. Kanczler J, **Bodamyali T**, Millar T, Clinch J, Stevens C, Blake D 2001 Human and bovine milk contains the osteoclastogenesis inhibitory factor, osteoprotegerin. *J Bone Miner Res* 2001;16:1176.

B37. Erdozain OJ, **Bodamyali T**, Stevens CR, Horrocks M. (2004) Potential Role of Hypoxia Inducible Factor-1 Alpha (Hif-1 α) in the Aetiology of the Abdominal Aortic Aneurysm. Vascular Medicine. Vol 9 No 3 Hot topics

B38. Liu X, **Bodamyali T**, Kanczler J, Stevens CR, Horrocks M. (2004) Altered TNF-Related Apoptosis-Inducing Ligand (TRAIL) Receptor Expression in Abdominal Aortic Aneurysm: Implications in Arterial Calcification. Vascular Medicine Vol 9 No 3 Hot topics

B39. Bodamyali T, McCabe CS, Haigh RC, Halligan P, Blake DR. Distorting proprioception in fibromyalgia exacerbates sensory disturbances-implications for pathology. The Pain Society Annual conference. March 2004

C. International books written or sections from those books:

C1. Sahinoglu T, Roncalli M, Springall D, Polak JM, Blake DR. A possible mechanism for the anti-proliferation of gold drugs on endothelial cells involving inhibition of proto-oncogene products. In: *Angiogenesis in health and Disease* 1992. M.E. Maragoudakis, P.Gullino, P.I. Lelkes (Eds). NATO ASI Series A: Life Sciences, Plenum Press. **227:373-4.**

C2. Stevens CR, **Sahinoglu T**, Harrison R, Blake DR. Localisation of xanthine oxido-reductase to microvessel endothelium in the synovium. In: *Angiogenesis in Health and Disease*, ME Maragoudakis, P Gullino, PI Lelkes eds. Plenum Press, New York: 1992; 375-6.

C3. Stevens CR, **Sahinoglu T**, Harrison R, Blake DR. Localisation of xanthine oxido-reductase to microvessel endothelium in the synovium. In: *Angiogenesis in Health and Disease*, ME Maragoudakis, P Gullino, PI Lelkes eds. Plenum Press, New York: 1992; 375-376.

C4. Stevens CR, Harley SL, Marok R, **Sahinoglu T**, Abbot SE, Blake DR. Pulsed electromagnetic fields increase proliferation of endothelial cells: a hypothesis for a molecular mechanism. In: *Angiogenesis: Molecular Biology, Clinical Aspects*, ME Maragoudakis, P Gullino, PI Lelkes eds. Plenum Press, New York: 1994; 356-7.

C5. Stevens CR, **Sahinoglu T**, Bhatt B, Ali NN, Blake DR. The Role of Xanthine Oxidase in Disease. 34-44 In : Proceedings of the International Symposium on Natural antioxidants: molecular mechanisms and health effects. Eds: L. Packer, M. Traber, and W. Xin. Champaign, IL, USA: AOCS Press, 1996. **ISBN 0 935315 69 1**

C6. Sahinoglu T, Stevens CR, Bhatt B, Blake DR. The role of reactive oxygen species in inflammatory disease: Evaluation of Methodology. 628-34 *Methods : A companion to Methods in Enzymology* **9:1996 ISSN 1046-2023**

C7. Bhatt B, **Sahinoglu T**, Stevens C. Nonisotopic in situ hybridization. Gene mapping and cytogenetics. 405-17 In: *Immunochemical Protocols-Series (#80) Methods Mol Biol*. Ed. J. Pound, Humana Press, 1998 **ISBN 0 89603 493 3**

C8. Kanczler JM, **Sahinoglu T**, Stevens CR, Blake DR. The complex influences of reactive oxygen species on rheumatoid erosions and synovitis. 81-94 In: *Nitric Oxide in Bone and Joint Disease*. Eds. MVJ Hukkanen, JM Polak, SPF Hughes. Cambridge University Press, 1998 **ISBN 0 521 59220 8**

C9. Blake DR, **Bodamyali T**, Stevens CR, Winyard PG. What is Inflammation? In: *Free Radicals in Inflammation* Eds. PG Winyard, DR Blake, CH Evans. Birkhauser, Basil, 2000, pp 1-10.

C10. Bodamyali T, Stevens CR, Blake DR, Winyard PG. Reactive oxygen/nitrogen species and acute inflammation: a physiological process. In: *Free Radicals in Inflammation* Eds. PG Winyard, DR Blake, CH Evans. Birkhauser, Basil, 2000, pp17-19.

C11. Blake DR, Bodamyali T, Stevens CR, Winyard PG. Free radicals and pathology: current concepts. In: *Free Radicals in Inflammation* Eds. PG Winyard, DR Blake, CH Evans. Birkhauser, Basil, 2000, pp11-16.

C12. Bodamyali T, Kanczler J, Millar T, Stevens C, Blake D. Free radicals in rheumatoid arthritis: mediators and modulators. In: *Redox Genome Interactions in Health and Disease*, Chapter IV (Eds. Jurgen Fuchs, Maurizio Podda, and Lester Packer), Marcel Dekker, NY, 2002.