

STALO KARAGEORGI

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education

2004-2005	IMPERIAL COLLEGE LONDON Master of Science, Molecular Medicine.	LONDON, UK
2000-2004	UNIVERSITY OF TEXAS AT AUSTIN Bachelor of Science, Biochemistry. Graduated with Honors.	AUSTIN, TX, US
1997-2000	AGIOS NEOPHYTOS LYCEUM Enrolled in Science Section. Graduated with Honors.	PAPHOS, CYPRUS

honors/awards

2003	Selected for the National Dean's List (½ of 1% of the US nation's best students selected each year).
2003	James F. Hinton Endowed Presidential Scholarship (152/1660 qualified students were awarded).
2003	Chemistry and Biochemistry Author's Scholarship.
2003	Undergraduate Research Fellowship.
2002	University of Rochester NSF REU/ GEBS summer scholarship.
2002	Dorothy B. Banks Scholarship.
2002	Distinguished Scholar/ 4.0 Grade Point Average.
2002	Instate Tuition Scholarship for spring 2002 semester.
2001	Burl Gordon Rogers Endowed Presidential Scholarship in Chemistry.
1999	CASP Scholarship awarded by the Cyprus Fulbright Commission for US undergraduate studies.

research experience

03/05-08/05	IMPERIAL COLLEGE LONDON Masters Research Assistant Worked with Professor David Lane, PhD and Dr. Roger Preston, PhD, Department of Hematology. Thrombosis and haemostasis lab, analysis of haemostatic factors <ul style="list-style-type: none">• Thesis title: Molecular Recognition of the Protein C Gla Domain by the Endothelial Cell Protein C Receptor.	LONDON, UK
01/03- 07/03	UNIVERSITY OF TEXAS AT AUSTIN Undergraduate Research Assistant Worked with Dr. George Georgiou, PhD, and Dr. Brent Iverson, PhD, Department of Chemistry and Biochemistry. Antibody and enzyme engineering, protein folding in vivo. <ul style="list-style-type: none">• Used M13 phage display technology to engineer acid stable and pepsin resistant antibodies.	AUSTIN, TX
06/02- 08/02	UNIVERSITY OF ROCHESTER MEDICAL CENTER Summer Research Scholar Worked with Dr. Edward Schwarz, PhD, Department of Orthopaedics. Molecular etiology and therapy of rheumatoid arthritis. <ul style="list-style-type: none">• Studied a paradoxical upregulation of RANK receptors on the surface of IFN-γ activated macrophages using flow cytometry. Gave a presentation and made a poster.	ROCHESTER, NY

- Compared the effect of two drugs, Rank-Fc and alendronate, in treating TNF- α transgenic mice by observing the osteoclast survival in histological sections of the tibia and joint.
- Genotyped TNF- α and SRC transgenic mice (rheumatoid arthritis models).

04/01- 05/02

UNIVERSITY OF TEXAS AT AUSTIN

AUSTIN, TX

Undergraduate Research Assistant

Worked with Dr. Andrew Ellington, PhD, Department of Chemistry and Biochemistry
Therapeutic and diagnostic applications of aptamers, protein and metabolic engineering

- Initiated the evolution of six E. coli strains under homoarginine containing media selective conditions. Gave a presentation.
- Characterized the growth of bacteria on various combinations of media, arginine analogues and E. coli strains.
- Constructed pET100ECFP clones.

skills

- Plasmid cloning
- DNA sequencing
- DNA purification
- PCR (regular, random and site-directed PCR mutagenesis)
- Primer design
- Restriction enzyme digestion
- Gel electrophoresis (polyacrylamide, agarose)
- Cell transformation (heat shock, electroporation)
- Media preparation (LB, Minimal, DMEM, a-MEM)
- Cell cultures (E. coli, tumor cell lines, spleen cells, HEK 293 cells)
- Use of bioscreen C reader (labsystems Oy, Helsinki, Finland)
- Analysis of growth curves (Delta Graph 4)
- Handling of mice (ear punching, tail DNA extraction)
- Light microscopy (osteoclast counting)
- Flow cytometry
- Library construction
- Amplification and titrating of M13 phage
- Screening of antibody libraries using M13 phage display technology
- ELISA
- Stable transfection of cells
- Mammalian protein expression
- Protein purification (AKTA FPLC, Amersham Pharmacia Biotech, UK)
- Western Blot
- Surface Plasmon Resonance

affiliations

Golden Key International Honor Society
The National Society of Collegiate Scholars
Phi Eta Sigma National Honor Society
Alpha Lambda Delta National Academic Honor Society for Freshmen

extracurricular activities

- Member of Imperial College London Dance Club.
- Latin dances: salsa, merengue, cha-cha.
- Member of the Un. Of Texas-Austin Greek Dance Group. Performed at the Austin Greek Festival 2001.
- Cyprus Bicomunal Conflict Resolution Workshop. Summer 2001, Brattleboro, VT, US.
- Swimming. Member of the athlete team of the Nautical Club of Paphos. Participated in the 1997 Cyprus National Competitions.