

CURRICULUM VITAE

Personal Information

First name / Surname	Nikolaos Kountourakis
Nationality	Greek
Place & Date of Birth	Heraklion, 7/3/1972
Address	Gournes Pediados, Heraklion
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Education

September 1991– March 1997	Bachelor Degree in Chemistry, Department of Chemistry, University of Crete.
September 2012	Accepted in the inter-disciplinary Postgraduate studies Program of “Protein Biotechnology”, Master of Science Degree. Department of Biology, Department of Chemistry, University of Crete.

Work Experience

March 2009 – today	ProFI - Proteomics Facility at IMBB http://profi.imbb.forth.gr/ FORTH, Heraklion
Position	Technical Assistant
Activities - Responsibilities	a) Operation and Maintenance of LC-MS instruments. b) Sample preparation, data processing and validation c) Students training on mass spectrometry based proteomic analysis d) Financial and operational administration
February 2000 – February 2009	Microchemistry Lab, IMBB FORTH, Heraklion
Position	Technical Assistant
Activities - Responsibilities	a) DNA Sequencing b) Synthesis, purification and labeling of oligonucleotides. c) Maintenance and technical support of oligonucleotides' synthesizer.
Jun 99 - Oct 99, Jun 92- Aug 92, Jun 91-Aug 91:	Vathypetrou S.A. “The Coca Cola Company”, Heraklion
Position	Quality Control

Research

- In-Solution separation of Membrane proteins/Hydrophobic peptides, according to their isoelectric point (OFFgel – Agilent Technologies), ProFI
- Comparative proteomics of testes and ovaries of Medfly-V8, in the presence or absence of *Wolbachia*, to identify proteins that are involved in cytoplasmic incompatibility, Symbiomics (THALIS, GGET, 2012)

Publications

- G. Petekidis, D. Vlassopoulos, G. Fytas, N. Kountourakis , and S. Kumar. Association Dynamics in Solutions of Hairy Rod Polymers. *Macromolecules* 1997, 30 ,919-931.
- Papanastasiou, M., Orfanoudaki, G., Koukaki, M., Kountourakis, N., Sardis, M.F., Aivaliotis, M., Karamanou, S. and Economou, A. (2012) The *Escherichia coli* Peripheral Inner Membrane Proteome. *Molecular and Cellular Proteomics* March 2013:599-610
- K. Bakela, N. Kountourakis, M. Aivaliotis and I. Athanassakis (2015) Soluble MHC-II proteins promote suppressive activity in CD4+ T cells *Immunology* vol. 144,158-169, January 2015.

Presentations

- Symbiomics 3rd meeting, Al. Fleming BSRC, Athens, 2013
- Symbiomics 2nd meeting, Al. Fleming BSRC, Athens, 2013
- Symbiomics “Kick off” meeting, Orthodox Academy of Crete ,Kolymbari, 2012
- ‘Small molecule analysis at ProFI’ 2nd Greek Orbitrap User’s Meeting, (GOrUM-02) Heraklion, IMBB, FORTH 2012
- ‘Off-gel separation of peptides as a front end to an Orbitrap MS-based proteomics flow’ 2nd Greek Orbitrap User’s Meeting,(GOrUM-02) Heraklion, IMBB, FORTH 2012
- ‘Sample Preparation Methods for LC-MS/MS analysis’ 1st Greek Orbitrap User’s Meeting,(GOrUM-01) Heraklion, IMBB, FORTH 2010

Posters

- Aivaliotis, M., Portaliou, A., Balabanidou, V., Kountourakis , N., Orfanoudaki, G., Karamanou, S. and Economou, A. (2011) Dissecting Type III Protein Secretion Mechanism in Enteropathogenic *Escherichia coli* by Dynamic Complexome and Secretome Analysis. EMBO practical workshop on Protein-Protein and Protein-Nucleic Acid Cross-linking and Mass Spectrometry, Göttingen 2011
- Portaliou, A., Aivaliotis, M., Kountourakis N., Balabanidou, V., Karamanou, S. and Economou, A. (2011) Global analysis of the Type III protein secretion system of enteropathogenic *Escherichia coli*. International workshop on Functional and Structural Proteomics, Athens 2011

- (FunSPA, 2011)
- Aivaliotis, M., Portaliou, A., Balabanidou, V., Orfanoudaki, G., Kountourakis , N., Karamanou, S. and Economou, A. (2011) Elucidating Type III Protein Secretion Mechanism in Enteropathogenic *Escherichia coli* by Dynamic Complexome Analysis.
International workshop on Functional and Structural Proteomics, Athens 2011 (FunSPA 2011)
 - Aivaliotis, M., Portaliou, A., Balabanidou, V., Kountourakis , N., Karamanou, S. and Economou A. (2011) Complexome dynamics during Type III protein secretion.
Summer school on Computational Mass Spectrometry Based Proteomics, Max Planck Institute Munich , 2011
 - Portaliou, A., Kountourakis , N., Aivaliotis, M., Balabanidou, V., Karamanou, S. and Economou A. Analysis of the secretome of enteropathogenic *Escherichia coli*.
4th Summer School of Proteomics Biotechnology, Crete, 2010
 - Aivaliotis, M., Balabanidou, V., Portaliou, A., Kountourakis , N., Karamanou, S. and Economou, A. (2010) Global and targeted complexome analysis of the cytosolic proteome of Enteropathogenic *Escherichia coli* using Native-PAGE combined with nLC-LTQ Orbitrap MS.
1st International Proteomics Conference on Crete- IPCC01, 2010
 - E. Stratidaki, N. Kountourakis , E. Roditakis and A. Tsagkarakou Microsatellite genotyping in the insect *Bemisia tabaci* (Hemiptera Aleyrodidae) using a 48-capillary array electrophoresis system. 54th Conference EEBMB, Ioannina, 2002

Seminars

- 44th Annual Meeting of the German Society of Mass Spectrometry (DGMS 2011), Dortmund, Germany, 2011
- Seminar on ‘Liquid Chromatography – Mass Spectrometry’ in the 44th Annual Meeting of the German Society of Mass Spectrometry (DGMS 2011), Dortmund, Germany, 2011
- Informatics Seminar – Greek Physicists Association , Heraklion, 2001-2002
- Training in MWG in systems for synthesis and purification of oligonucleotides (oligo 2000, PSF). Technical Support for Oligo 2000, Ebersberg, Germany

Member of Scientific-Organizing Committee

- 2nd Greek Orbitrap User’s Meeting,(GOrUM-02) Heraklion, IMBB, FORTH 2012
- Workshop ‘From Proteins to Proteomics’, ProFI Lab, IMBB, FORTH 2012
- Workshop ‘Functional and Structural Proteomics’ (FunSPA 2011), Athens, Pasteur Institute
- Workshop ‘Methods of Samples preparation for Proteomics Analysis’, ProFI Lab, IMBB, 2011
- 1st Greek Orbitrap User’s Meeting, (GOrUM-01) Heraklion, IMBB, FORTH, 2010
- 1st International Proteomics Conference on Crete, (IPCC-01) IMBB, FORTH, 2010
- Workshop ‘Methods of Proteomics Analysis’, ProFI Lab, IMBB, 2010

Teaching Experience

- Workshop: ‘From Proteins to Proteomics’, ProFI Lab, IMBB, 2012
- Workshop: ‘Methods of Samples preparation for Proteomics Analysis’, ProFI Lab, IMBB, 2011
- Workshop ‘Methods of Proteomics Analysis’, ProFI Lab, IMBB, 2010

- Training of bachelor student Gionis Ioannis of the department of Biology, University of Crete, on oligonucleotides' synthesis and DNA sequencing, Microchemistry Lab 2004

Technical Skills

- Isolation of proteins
- Separation/purification of proteins
Gel Based approach(SDS PAGE, Native PAGE, 2DE),
Gel Free approach (SCX Chrom, Affinity Chrom., SEC, OFFgel)
- Digestion of Proteins (In-gel, In Solution)
- Separation of peptides (Reverse Phase Chrom., OFFgel)
- Data Processing of Proteomic Analysis
- Operation and maintenance of LTQ Orbitrap XL with ETD (Thermo Scientific)
- Operation and maintenance of Easy nLC I, Easy nLC 1000 (Thermo Scientific)

Computer Skills

- DNA sequencing Software: e-Seq Software (Li Cor)
- Proteomic Analysis software : Proteome Discoverer 1.3 (Thermo Scientific), Scaffold Software), Delta2D 4.2 (Decodon), Mascot search algorithm (Matrix Sciences), Sequ algorithm (Thermo Scientific)
- Unix, Windows
- Microsoft Office: Word, Excel, Access, Power Point
- Programming Language: Visual Basic

Languages

- English, FIRST CERTIFICATE
- German, Basic Level