

# Theodoros I. Roumeliotis, MSc, PhD

Birth date: 15.03.1982

Current Home address: 28 Westwood Road, Southampton, UK

Current Work address: University of Southampton, Life Sciences Building 85, Highfield

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## Education

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2007-2010	National and Kapodistrian University of Athens, Chemistry Department, <b>PhD in Clinical chemistry</b> " <i>Proteomic analysis of biological specimens for the determination of candidate cancer biomarkers</i> " in collaboration with the biotechnology laboratory of Biomedical Research Foundation of Academy of Athens.
2005-2007	National and Kapodistrian University of Athens, Chemistry Department, <b>MSc in Clinical chemistry</b> " <i>Semi-quantitative proteomic analysis of prostate tissue specimens using two dimensional liquid chromatography-tandem mass spectrometry for the determination of prostate cancer biomarkers</i> " in collaboration with the biotechnology laboratory of Biomedical Research Foundation of Academy of Athens.
2000-2005	National and Kapodistrian University of Athens, Chemistry Department, <b>BSc degree in Chemistry</b> . Graduate study: "Detection of diuretic compounds in athletes' urine during Athens Olympic Games using Gas chromatography-Mass Spectrometry" in collaboration with the antidoping control laboratory of OAKA.

## Other Knowledge

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- English: FCE Cambridge.
  - **Informatics** seminar of 400h in Pantios University.
  - Seminar of 20h entitled "**Accreditation of food chemistry laboratories with ISO 17025**", conducted by the Association of Greek Chemists.
  - Certification of attendance of **enology education** (University of Athens).
  - Certification of attendance in the summer school "**Methods in micro-nano technology and nanobiotechnology of the European Network of Excellence Nano2life**", conducted by NCSR Demokritos.
  - Seminar of 40h entitled "**Staff Management**", conducted by the Future Business School private training school.

## Employment

2012	<ul style="list-style-type: none"> <li>• <b>Research Fellow</b>, Discovery of cancer biomarkers using proteomics methods, Cancer Sciences &amp; Clinical and Experimental Medicine, University of Southampton.</li> </ul>
2011	<ul style="list-style-type: none"> <li>• <b>Post Doctoral research</b>, Biomedical Research Foundation of Academy of Athens, Proteomic Analysis of Breast and colon Cancer tissue specimens with PI3K and KRAS mutations for the determination of cancer biomarkers. “Synergasia” research program under the supervision of Prof. A. Efstratiadis.</li> </ul>
2007-2011	<ul style="list-style-type: none"> <li>• Biomedical Research Foundation of Academy of Athens, <b>Research programs</b> a) Kapodistrias, in collaboration with Medical school of Athens b) Prospective study of Outcomes in Sporadic versus Hereditary breast cancer, in collaboration with Southampton University, with the objective of the discovery of novel prostate and breast cancer biomarkers using Liquid Chromatography-Mass spectrometry instrumentation (nanoHPLC, ESI-Q-TOF, ESI-iontrap).</li> <li>• Two months training in the <b>Biochemistry Laboratory</b>, the Cancer Biomarkers laboratory and the Immunology department of “Evangelismos” Hospital of Athens.</li> </ul>
2006	Chemistry department, University of Athens, <b>Environmental Research program</b> , with the objective of the quality control of the Municipal Waste Recycling and Composting Factory in Athens. a) Supervisor of sampling procedure and physical composition analysis of the raw material and the factory products, b) Chemical analysis of factory products (Nitrogen with Keldahl method, calorimetric value and total chlorine in Refused Derived Fuel, conductivity measurements).
2004	Two months training in the <b>antidoping control laboratory</b> of OAKA, including the Athens Olympic Games period. Sample preparation and GC-MS analysis of urine specimens for the detection of diuretic compounds.

## Publications

2011	Spiros D. Garbis, <b>Theodoros I. Roumeliotis</b> , Stavros I. Tyritzis, Kostas M. Zorpas, Kitty Pavlakis, Constantinos A. Constantinides, <i>A Novel Multidimensional Protein Identification Technology Approach Combining Protein Size Exclusion Prefractionation, Peptide Zwitterion-Ion Hydrophilic Interaction Chromatography, and Nano-Ultraperformance RP Chromatography/nESI-MS2 for the in-Depth Analysis of the Serum Proteome and Phosphoproteome: Application to Clinical Sera Derived from Humans with Benign Prostate Hyperplasia</i> , Anal. Chem, 2011.
2010	Evangelia Emmanouilidou, Katerina Melachroinou, <b>Theodoros Roumeliotis</b> , Spiros D. Garbis, Maria Ntzouni, Lukas H. Margaritis, Leonidas Stefanis and Kostas Vekrellis, <i>Cell-Produced <math>\alpha</math>-Synuclein Is Secreted in a Calcium-Dependent Manner by Exosomes</i>

*and Impacts Neuronal Survival*, The Journal of Neuroscience, May 19, 2010  
30(20):6838–6851.

2009 Bouchal Pavel, **Roumeliotis Theodoros**, Hrstka Roman, Nenutil Rudolf, Vojtesek Borivoj, Garbis Spiros D, *Biomarker discovery in low-grade breast cancer using isobaric stable isotope tags and two-dimensional liquid chromatography-tandem mass spectrometry (iTRAQ-2DLC-MS/MS) based quantitative proteomic analysis*, Journal of proteome research 2009;8(1):362-73.

2008 Spiros D. Garbis, Stavros I. Tyritzis, **Theodoros Roumeliotis**, Panagiotis Zerefos, Eugenia G. Giannopoulou, Antonia Vlahou, Sophia Kossida, Jose Diaz, Stavros Vourekas, Constantin Tamvakopoulos, Kitty Pavlakis, Despina Sanoudou, Constantinos A. Constantinides, *Search for Potential Markers for Prostate Cancer Diagnosis, Prognosis and Treatment in Clinical Tissue Specimens Using Amine-Specific Isobaric Tagging (iTRAQ) with Two-Dimensional Liquid Chromatography and Tandem Mass Spectrometry*, Journal of Proteome Research, 2008.