

## CURRICULUM VITAE



First Name: **Andrea Paola**  
Surname: **Rojas Gil**  
Date of birth: 27 06 1971  
Place of birth: Ibague Tolima, Colombia  
Country of residence: Greece  
e-mail: arojas@uop.gr

### Studies:

1977-1981 Primary School (Escuela Anexa Femenina, Colombia)  
1981-1987 Secondary School (Liceo Nacional, Colombia)  
1988-1989 Czech language school  
1989-1994 Studies in Molecular Biology and Genetics at the Faculty of Natural Sciences, Charles University, Prague, Czech Republic (scholarship from UNESCO)  
1992-1994 Master Thesis Work: *The impact of phosphorylation on transactivation properties of v-myb oncoprotein* (Institute of Molecular Genetics, Department of Molecular Virology  
Supervisor: Dr. Michal Dvorak  
1994 Master Degree at the Faculty of Natural Sciences, Charles University  
1994 –1998 Ph.D. studies in Biomedicine at the branch of Molecular and Cellular Biology of the Department of Microbiology and Genetics, Charles University (Grant from the Ministry of Education, Czech Republic)  
Ph.D. Thesis Title: "Papillae tumors on colonies of the yeast *Saccharomyces Cerevisiae* and the phenomenon of Cairnsonian

mutations" / Supervisor: Prof. Vladimir Vondrejs

1999

Ph.D. degree from the Faculty of Natural Sciences, Charles University

**Languages:**

Spanish, English, Czech, Greek

**Courses and research activities:**

- 1994 Advances in PCR technology and its application
- 1994 Advances in Molecular Biology and Genetics (Academy of Sciences of the Czech Republic)
- 1994 4th European Congress of Cellular Biology
- 1995 Cellular and Molecular Biology of the plant regeneration
- 1995 Molecular Diagnosis (III Faculty of Medicine, Prague)
- 1995 Advances in Biology of the Yeast (Faculty of Microbiology, Charles University)
- 1996 1st World Congress in Oncology (Athens-Greece)
- 1996 Three-month stay in the Laboratory of Molecular Biology, Department of Genetics, University of Patras, Greece (Dr. A. Mintzas)
- 1997-1998 Research Fellow in the Laboratory of Molecular Biology, Department of Genetics, Developmental and Cellular Biology, University of Patras, Greece (Assistant Prof. A. Mintzas and Prof. A. Zacharopoulou)
- 1999 Research Fellow in the Laboratory of Microbiology, Department of Genetics and Microbiology, Faculty of Sciences, Charles University, Prague, Czech Republic (4 months)
- 2000 4<sup>th</sup> Postgraduate Course in Molecular and Cellular Endocrinology Como, Italy (May)
- 2000 EMBO Course on Microinjection and Detection of Probes in Cells EMBL, Heidelberg, Germany (June)

**Appointments:**

1992-1994

Technical Assistant in the Institute of Molecular Genetics of the Department of Molecular Virology

1994 –1997	Assistant Scientist in the Faculty of Natural Sciences, Department of Microbiology and Genetics, Charles University
1997-1998	Assistant Scientist in the Laboratory of Molecular Biology, Department of Genetics, Developmental and Cellular Biology, University of Patras, Greece (Assistant Prof. A Mintzas and Prof. A Zacharopoulou)
1999- 2001	Postdoctoral Fellow in the Laboratory of Biological Chemistry, School of Medicine, University of Patras (Prof. Athanasios G. Papavassiliou)
1999-2006	Postdoctoral Fellow in the Laboratory of Molecular Pediatric Endocrinology, School of Medicine, University of Patras (Prof. Bessie Spiliotis)
2006-2010	Scientific Collaborator, responsible of the Laboratory of Pediatric Endocrinology School of Medicine, University of Patras (Prof. Bessie Spiliotis)
2009	Visiting Profesor (Lecturer) at the University of Peloponisos School of Nursing
2009	Visiting assistant professor at the University of Valle, Cali Colombia, Department of Human Genetics.
2010-today	Lecturer in Biology- Biochemistry at the University of Peloponiso School of Nursing School.
2011	Visiting assistant professor at the University of Valle, Cali Colombia, Department of Nursing.

### **Awards**

2002

**Greek Endocrinology Society.** First award Novartis (29<sup>th</sup> Greek Congress Endocrinology and Metabolism.

2002

**Award** « Σωτήρης Παπασταματης» 28<sup>th</sup> Greek Congress of Medicine ( ΕΠΙΣ) from the Greek Medicine Asociation

2003

**Travel Grant Award.** The Endocrine Society`s 85<sup>th</sup> Annual Meeting. Pennsylvania.USA.

2003

**Travel Grant Award** ESPE 42<sup>nd</sup> Annual Meeting Slovenia

2004

**Award**“Health and Child” Procter and Gamble

2005

**Travel Grant Award** ESPE 44<sup>nd</sup> Annual Meeting France

2006

**Travel Grant Award** 45<sup>nd</sup> Annual Meeting of ESPE Rotterdam  
Holland

2009

**Award for the best presentation,** 30<sup>o</sup> Congress of the Greek  
Diabetic Association.

2010

**Award from the Greek Obesity Association for the best  
presentation** in basic research during the 8<sup>th</sup> obesity congress

2013

**Greek Endocrinology Society.** Award for the best publication  
in Basic Endocrinology During 2012 in Greece

2013

3th award of the **Association for Cardiovascular Risk Factors**

## PUBLICATIONS

### Original research papers in scientific journals:

1. Storchová, Z., **Rojas-Gil, A-P.**, Vlasák, V., Janderová, B., Vondrejs, V. (1997) Accumulation of Ade<sup>+</sup> reversions in isoauxotrophic strains of *Saccharomyces cerevisiae* allelic in *RAD6* during adenine starvation, *Folia Microbiol.* 42: 47 - 51.
2. **Rojas-Gil, A-P.**, Storchová, Z., Vondrejs, V. (1997) Uracilles death and papilla formation in *rad6-1* polyauxotrophic strains of *Saccharomyces cerevisiae*. *Folia Microbiol.* 42 (557-561).
3. Storchová, Z., **Rojas-Gil, A-P.**, Vondrejs, V. (1998) The involvement of the *RAD6* gene in starvation-induced reverse mutation in *Saccharomyces cerevisiae*. *Molecular and General Genetics*, 258: 546-552.
4. **Rojas-Gil, A-P.**, Vondrejs, V. (1999) Development of papillae on colonies of two isopolyauxotrophic strains of *Saccharomyces cerevisiae* allelic in *RAD6* under various conditions. *Folia Microbiol.* 44 (3): 299-305.
5. Vondrejs, V., Vlasák, J., **Rojas-Gil, A-P.**, Storchová, Z. (1995) The ubiquitination system in *Saccharomyces cerevisiae*. *Biol. list.* **60** (4): 275-292. (Review-Czech).
6. Ziros, P.G., **Rojas-Gil, A-P.**, Georgakopoulos, T., Habeos, I., Kletsas, D., Basdra, E.K., Papavassiliou A.G. (2002) The bone-specific transcriptional regulator *Cbfa1* is a target of mechanical signals in osteoblastic cells. *J Biol Chem* 28; 277 (26): 23934-41.
7. Kalosaka, K., Chrysanthis, G., **Rojas-Gil, A-P.**, Theodoraki, M., Gourzi, P., Kyriakopoulos, A., Tatari, M., Zacharopoulou, A. and Mintzas, A.C. (2006). Evaluation of the activities of the medfly and *Drosophila hsp70* promoters *in vivo* in germ-line transformed medflies *Insect Mol Biol.* 15 (3):373-82.
8. **Rojas-Gil, A-P.**, Ziros, PG., Diaz, L., Kletsas, D., Basdra, E., Alexandridis, T K., Zadik, Z., Frank, S., Papathanasopoulou, B., Beratis, N., Papavassiliou, A G., Spilioti, B.E. (2006) Growth Hormone / JAK–STAT Axis Signal Transduction Defect: A Novel Treatable Cause of Growth Failure. *FEBS J.* 273 3435-3466.
9. **Rojas-Gil, A-P.** \* Ziros, P.\*, Kanetsis, E., Papathanasopoulou, B., Papabassiliou A. G. Spiliotis B.E. (2007) Combined effect of the mutations in the *GH1* gene and its proximal promoter region of in a child with growth hormone

Neurosecretory Dysfunction (GHND) *J Mol Med.*;85(9):1005-13. \*Equal contribution

10. A. Dettoraki, **A. P. Rojas Gil**, B. E. Spiliotis (2009) Association between serum levels of soluble receptor (sRAGE) for Advanced Glycation Endproducts (AGEs) and Receptor for AGEs (RAGE) protein expression in peripheral blood mononuclear cells (PBMCs) in subjects with type I diabetes mellitus (IDDM) *J. Pediatr Endocrinol Metab* 22(10): 895-904.
11. Karvela A, **Rojas-Gil AP**, Samkinidou E, Papadaki H, Pappa A, Georgiou G, Spiliotis BE. (2010). Endocannabinoid (EC) receptor, CB1, and EC enzymes' expression in primary adipocyte cultures of lean and obese pre-pubertal children in relation to adiponectin and insulin. *J Pediatr Endocrinol Metab.* 2010 Oct;23(10):1011-24.
12. **Andrea Paola Rojas Gil** \*, Eirini Kostopoulou , Ioulia Karageorgou , Konstantinos Kamzelas and Bessie Eugenia Spiliotis (2012) Increased growth hormone receptor (GHR)degradation due to over-expression of cytokine inducible SH2 domain-containing protein (CIS) as a cause of GH transduction defect (GHTD) \* **Corresponding Author.** *J Pediatr Endocr Met* 2012; 25(9-10): 897–908
13. Nikolitsa Koutroumani , Ioanna Partsalaki , Fotini Lamari , Athina Dettoraki **Andrea Paola Rojas Gil** , Alexia Karvela , Eirini Kostopoulou and Bessie E. Spiliotis (2013) Protective mechanisms against oxidative stress and angiopathy in young patients with diabetes type 1 (DM1) *Journal of Pediatric Endocrinology and Metabolism.* Volume 26, Issue 3-4, Pages 309–317
14. Sofia Zyga, Colin A Hutchison, Stephanie Stringer, **Andrea Paola Rojas Gil**, Georgia Christopoulou, Paraskevi Giata, Maria Malliarou (2013) Inflammation and endothelial dysfunction in the initiation and propagation of cardiovascular disease in patients with chronic kidney disease. *British Journal of Medicine and Medical Research* (Accepted)

#### **Abstracts in International congresses**

1. **Rojas-Gil, A-P.**, Storchová, Z., Vondrejs, V. (1995): Tumours of yeast colonies. *Int. J. Oncology* 7:309. (Poster)

2. **Rojas-Gil, A-P.**, Storchová, Z., Vlasák, J., Janderová, B., Vondrejs, V (1995): Late-arising mutations in *rad6* strains of *Saccharomyces cerevisiae*. *Folia Microbiol.* 40:560. (Oral presentation)
3. **Rojas-Gil, A-P.**, Storchová, Z., Vondrejs, V. (1995): Uracil-less death of *rad6* mutants of *Saccharomyces cerevisiae*. *Folia Microbiol.* 40: 560. (Poster)
4. **Rojas-Gil, A-P.**, Vondrejs, V. (1995): Tumours on colonies of *rad6* mutants in *Saccharomyces cerevisiae*. *Folia Microbiol.* 40: 566. (Poster)
5. **Rojas-Gil, A-P.**, Vondrejs, V. (1995): Use of *ade2* for estimating the moment of mutation in *Saccharomyces cerevisiae*. *Folia Microbiol.* 40: 561. (Poster)
6. Vlasák, J., **Rojas-Gil, A-P.**, Janderová, B., Vondrejs, V., Angelis, K. (1995): Dependence of killing and induced mutagenesis of *Saccharomyces cerevisiae rad6* mutants on the wavelength of UV radiation. *Folia microbiol.* 40: 566. (Poster)
7. **Rojas-Gil, A-P.**, Storchova, Z., Vondrejs, V. (1996): Effect of osmotic stabilization on viability of *rad6-1* mutants of *Saccharomyces cerevisiae*. *Folia Microbiol.* 41: 288. (Oral presentation)
8. **Rojas-Gil, A-P.**, Vondrejs, V. (1996): Qualitative and Quantitative analysis of papilla formation under various conditions of adenine starvation in *Saccharomyces cerevisiae*. *Folia Microbiol.* 41: 288. ( Oral presentation)
9. **Rojas-Gil, A-P.**, Bartošová, M., Storchová, Z., Vondrejs, V. (1997): Growth of colonies and topology of papilla formation in *Saccharomyces cerevisiae*. *Folia microbiol.* 42:650. (Poster)
10. Storchová, Z., **Rojas-Gil, A-P.**, Janderová, B., Vondrejs, V. (1998): Adaptive mutation in yeast *Saccharomyces cerevisiae*. Kongres Československé společnosti mikrobiologické. Hradec Kralové abst. p.71. Czech Republic. (Oral presentation)
11. **Rojas-Gil, A-P.**, Čejka, P., Hlavatá, L., Vondrejs, V. (1998): Charakterizace papil na koloniích *Saccharomyces cerevisiae BJC3*. Abstrakta, XXVII. výroční konference o kvasinkách, Smolenice (13. – 15.5.), str. 61. Czech Republic. (Oral presentation)
12. Storchová, Z., **Rojas-Gil, A-P.**, Vondrejs, V. (1998): Vliv inaktivace různých genů na mutagenezi indukovanou specifickým hladověním u *Saccharomyces*

- cerevisiae*. Abstrakta, XXVII. výroční konference o kvasinkách, Smolenice (13. – 15. 5.) str. 60. Czech Republic. (Oral presentation)
13. **Rojas-Gil, A-P.** Vondrejs, V. Storchová, Z. (1998): Papilla formation in related strains of *S. cerevisiae* (*ade2-1*) under adenine-starvation. XIX International conference on yeast genetics and molecular biology. Rimini. Italy. (Poster)
  14. Storchová, Z., **Rojas-Gil, A-P.**, Vondrejs, V. (1998): Starvation-associated (adaptive) mutation in *Saccharomyces cerevisiae*. XIX International conference on yeast genetics and molecular biology. Rimini. Italy. (Poster)
  15. Kokolakis, G. Papadimitriou, E., Chrisanthis, G., **Rojas-Gil, A-P.**, Kalosaka, K., Chrisanthakopoulou, B., Zacharopoulou, A., Mintzas, A. (1999): Heat shock puff, genes and promoters in the Mediterranean fruit fly *Ceratitidis Capitata*. Third International Workshop on transgenesis of Invertebrate Organism. Orthodox Academy of Crete. Kolymbari, Crete, Grece. (Προφορική παρουσία Oral presentation)
  16. Ziros, P.G., **Rojas-Gil, A-P.**, Georgakopoulos, T, Basdra, E.K., Papavassiliou, A.G. (2002) “Targeting of Mechanical Signals to the Osteoblast-Specific Transcriptional Regulator Cbfa1.” “9th Workshop on Cell Biology of Bone and Cartilage in Health and Disease” Davos Switzerland, March 16-19. (Poster)
  17. Ziros, PG, **Rojas-Gil, A-P.**, Georgakopoulos, T, Habeos, I, Kletsas, D, Basdra, EK, Papavassiliou, AG. (2002) The bone-specific transcriptional regulator Cbfa1 is a target of mechanical signals in osteoblastic cells. 29<sup>th</sup> European Symposium on Calcified Tissues. Zagreb Croatia May 25-29. (Oral presentation)
  18. **Rojas-Gil, A-P.**, Ziros, P., Diaz, L., Kletsas, D., Basdra, E.K., Alexandridis, T., Beratis, N.G., Papavassiliou, A.G., Spiliotis, B.E (2002) Molecular profiles of the GH/IGF-I axis in fibroblasts of children with bioinactive GH: New insights into the defect. ESPE. Madrid Spain September. (Poster)
  19. **Rojas-Gil, A-P.**, Papathanasopoulou, B, Kanetsis, E., Karinos, T., Ziros, PG., Basdra, EK., Alexandridis, T., Beratis, NG., Papavassiliou, AG., Spiliotis, BE. (2003) Novel Aberrant splicing of the GH1 gene as a cause of idiopathic short stature. 12<sup>th</sup> Balkan Congress of Endocrinology and 30<sup>th</sup> Pan-Hellenic Congress of Endocrinology Thessalonica May 21-25. (Oral presentation)



20. Habeos, I., Ziros, P.G., Georgakopoulos. T., **Rojas-Gil, A-P**, Vagenakis, A., Papavassiliou. A.G. (2003) “Mechanism of statin action on triglyceride metabolism” “12th Balkan Congress of Endocrinology and 30th Congress of the Greek Endocrine Society” Thessalonica May 21-25. (Oral presentation)
21. **Rojas-Gil, A-P**, Ziros, P., Diaz, L., Kletsas, D., Basdra, E.K., Alexandridis, T., Propona, A., , B., Beratis, N.G., Papavassiliou, A.G., Spiliotis, B.E (2003) GH signal transduction defect: Open the black box of idiopathic short stature. The Endocrine Society’s 85<sup>th</sup> Annual Meeting. Pennsylvania.USA. June 19-21. (Poster)
22. **Rojas-Gil, A-P**, Papathanasopoulou, B, Kanetsis, E., Nikolakopoulou, N., Karinos, T., Dimitracopoulos, A., Ziros, P.G., Basdra, E.K., Alexandridis, T., Beratis. N.G., Papavassiliou, AG., Spiliotis, B.E. (2003). Novel Aberrant splicing of the growth hormone gene as a cause of familial bioinactive growth hormone. ESPE 42<sup>nd</sup> Annual Meeting 18-21 September, Ljubljana Slovenia. (Oral presentation)
23. Ziros, P.G., Nikolakopoulou, N.M., **Rojas-Gil, A-P.**, Chatzantoni, K. , Mouzaki, A., Eliopoulou, M.I., Alexandrides, T.K., Spiliotis, B.E. (2004). Novel Mutations of the melanocortin 4 receptor gene ESPE 43<sup>nd</sup> Annual Meeting 10-13 September, Basel, Switzerland. (Poster)
24. **Rojas-Gil, A-P.**, Ziros, P., Karageorgou, I., Spiliotis, B.E. (2005). Negative regulation of the GH/IGF-I pathway is implicated in the pathogenesis of Growth Hormone Transduction Defect (GHTD). ESPE 42<sup>nd</sup> Annual Meeting Lyon, France. (Oral presentation)
25. Ziros, P., **Rojas-Gil, A-P.**, Kanetsis, E.,Nikolakopoulou, N.M., Spiliotis, B.E. (2005) Novel Mutations of the GH-1 gene in a child with GH Neurosecretory Dysfunction (GHND) ESPE 42<sup>nd</sup> Annual Meeting Lyon, France (Poster)
26. **Rojas-Gil, A-P.**, Ziros, P., Karageorgou, I., Papavassiliou, A. Spiliotis, B. (2006) Defecto en la Transducciòn de Señales de la Hormona de Crecimiento Como Resultado de la Regulaciòn Negativa y Activaciòn Defectuosa del Eje GH/IGF-I . International Congress of Genetics. Bucaramanga Feb. Colombia  
**Rojas-Gil, A-P.**, Ziros, P., Karageorgou, I., Papavassiliou, A. Spiliotis, B. (2006) Defecto en la Transducciòn de Señales de la Hormona de Crecimiento Como Resultado de la Regulaciòn Negativa y Activaciòn Defectuosa del Eje

GH/IGF-I . International Congress of Genetics. Bucaramanga Feb. Colombia  
(Προφορική παρουσίαση)

27. Ziros, P., **Rojas-Gil, A-P.**, Kanetsis, E., Spiliotis, B.E. (2006) Two novel mutations in the promoter region of GH1 gene in a child with GH Neurosecretory Dysfunction (GHND) attenuate the DNA binding activity of Pit1 transcription factor. ESPE 43<sup>nd</sup> Annual Meeting. Rotterdam Holland. (Προφορική παρουσίαση)
28. Karvela A., **Rojas-Gil, A-P.**, Papadaki H., Avgeropoulos A., Varakis J., Georgiou G., Spiliotis B.E. (2006) The involvement of adiponectin receptor 1 (AdipoR1) and peroxisome proliferator-activated receptor  $\gamma$  (PPAR- $\gamma$ ) in adipocyte differentiation in obese children. ESPE 43<sup>nd</sup> Annual Meeting. Rotterdam Holland. (Poster)
29. **Rojas-Gil, A-P.**, Karageorgou, Ioulia, Basdra, Efthymia, Varakis, John, Papavasiliou, Athanasios, Spiliotis, Bessie E. (2006) Enhanced inhibition of the GH transduction pathway by CIS in patients with Growth Hormone Transduction Defect (GHTD) is possibly overcome by Epidermal Growth Factor (EGF) administration. ESPE 43<sup>nd</sup> Annual Meeting. Rotterdam Holland. (Προφορική παρουσίαση)
30. **Rojas-Gil A-P.**, Karageorgou, Ioulia, Ziros Panos Basdra, Efthymia, Varakis, John, Papavasiliou, Athanasios, Spiliotis, Bessie E. (2007) Enhanced protein degradation of the GHR/JAK2 complex through the proteasomes as a cause of abnormal GH signaling in GH Transduction Defect (GHTD) . ESPE 44<sup>nd</sup> Annual Meeting. Helsinki Finland. (Oral presentation)
31. Karvela Alexia, **Rojas-Gil A-P.**, Pappa Alik, Papadaki Helen, Samkinidou Eustratia, Varakis John, Georgiou George, Spiliotis Bessie E. (2007) Expression of AdipoR1, PPAR- $\gamma$  and CB1 in adipocyte primary cultures and serum Adiponectin in childhood obesity. ESPE 44<sup>nd</sup> Annual Meeting. Helsinki Finland. (Poster)
32. **Rojas-Gil, AP.**, Karageorgou, I, Ziros P Basdra, E, Varakis, J, Papavasiliou, AG, Spiliotis, BE. (2007) Enhanced protein degradation of the GHR/JAK2 complex through the proteasomes as a cause of abnormal GH signaling in GH Transduction Defect (GHTD). General Meeting of International proteolysis society. Patras, October (Poster)

33. A. Karvela, **A. P. Rojas-Gil**, A. Pappa, H. Papadaki, E. Samkinidou , J. Varakis, G. Georgiou, B. E. Spiliotis (2007) Serum adiponectin and expression of AdipoR1, PPAR- $\gamma$  and CB1 in primary adipocyte cultures from abdominal adipose tissue of lean pre-pubertal children. ISPAD Berlin (Προφορική παρουσίαση)
34. A. Karvela, **A. P. Rojas-Gil**, A. Pappa, H. Papadaki, E. Samkinidou , J. Varakis, G. Georgiou, B. E. Spiliotis. (2007) Differences in waist circumference and expression of AdipoR1, PPAR- $\gamma$  and CB1 in primary adipocyte cultures from abdominal adipose tissue of obese and lean pre-pubertal children. ISPAD Berlin (Προφορική παρουσίαση)
35. A. Karvela, **A. P. Rojas-Gil**, A. Pappa, H. Papadaki, E. Samkinidou , J. Varakis, G. Georgiou, B. E. Spiliotis (2007) Study of the expression levels of AdipoR1 and PPAR-gama receptors in the adipocytes of children: indications of risk factors in obese children. ECOG Athens. (Προφορική παρουσίαση)
36. **Andrea Paola Rojas-Gil**, Dimitris Kletsas, Kostas Kamzelas, Maria Karageorgiou, Evthimia Basdra Athanasios G Papavasiliou , Bessie E Spiliotis . (2008) ENHANCED PROTEIN DEGRADATION OF THE GHR via the PROTEASOMES due to over-expression of CIS Ubiquitin-Ligase AS A CAUSE OF ABNORMAL GH SIGNALING IN GH TRANSDUCTION DEFECT (GHTD). The Endocrine Society's 90th Annual Meeting San Francisco USA (Poster)
37. Alexia Karvela, **Andrea Paola Rojas Gil**, Aliko Pappa, Helen Papadaki, Eustratia Samkinidou, John Varakis, George Georgiou and Bessie Spiliotis. (2008) Expression of CB1 receptor in primary adipocyte cultures and serum adiponectin concentrations in normal lean children. The Endocrine Society's 90th Annual Meeting San Francisco USA (Poster)
38. Alexia Karvela, **Andrea Paola Rojas Gil**, Aliko Pappa, Helen Papadaki, Eustratia Samkinidou, John Varakis, George Georgiou and Bessie Spiliotis (2008). Differences in waist circumference, serum high molecular weight (HMW) Adiponectin, serum insulin and expression of CB1 in primary adipocyte cultures of obese and lean children. The Endocrine Society's 90th Annual Meeting San Francisco USA (Poster)

39. Athina Dettoraki, **Andrea Paola Rojas Gil**, John Varakis, Bessie E. Spiliotis (2008). Association between serum levels of soluble receptor (sRAGE) for Advanced Glycation Endproducts (AGEs) and Receptor for AGEs (RAGE) protein expression in peripheral blood mononuclear cells (PBMCs) in children and adolescents with type I diabetes mellitus (IDDM) ESPE 45<sup>nd</sup> Annual Meeting. Istanbul Turkey. (Προφορική παρουσίαση)
40. **Andrea Paola Rojas-Gil**, Dimitris Kletsas, Kostas Kamzelas, Maria Karageorgiou, Bessie E Spiliotis . (2008) Over-expression of CIS ubiquitin (ub)-Ligase and enhanced proteasome activity as a cause of abnormal GH signaling in GH transduction defect (GHTD). ESPE 45<sup>nd</sup> Annual Meeting. Istanbul Turkey (Poster)
41. Alexia Karvela, **Andrea Paola Rojas-Gil**, Aliko Pappa, Helen Papadaki, Efstratia Samkinidou, John Varakis, Geroge Georgiou, Bessie E. Spiliotis. (2008) Cannabinoid receptor, CB1, expression in primary adipocyte cultures in lean and obese pre-pubertal children, in relation to High Molecular Weight (HMW) adiponectin, HOMA Insulin Resistance (IR) and waist circumference. ESPE 45<sup>nd</sup> Annual Meeting. Istanbul Turkey. (Poster)
42. **Andrea Paola Rojas-Gil**, Dimitris Kletsas, Kostas Kamzelas, Maria Karageorgiou, Bessie E Spiliotis .(2008) Over-expression of CIS ubiquitin (ub)-Ligase and enhanced proteasome activity as a possible cause of abnormal GH signaling in a child with GH transduction defect (GHTD). FEBS congress Athens, Greece. (Poster)
43. A. Karvela, AP. Rojas Gil, H Papadaki, E. Samkinidou, J Varakis, G. Georgiou, BE Spiliotis. (2008) Differences in the expression of the cannabinoid receptor CB1 in primary adipocytes cultures of lean and obese pre-pubertal children correlated with high molecular (HMW) adiponectin, homa insulin resistance (IR) and waist circumference. FEBS congress Athens, Greece. (Poster)
44. Ioanna Partsalaki, Alexia Karvela, **Andrea Paola Rojas Gil**, Bessie E. Spiliotis (2008). Metabolic Impact of a ketogenic diet as compared to a hypocaloric diet in obese children and adolescents. ISPAD Durban, South Africa. (Προφορική παρουσίαση)

45. **Andrea Paola Rojas Gil**, Mary Smaili, Alexia Karvela, Ioannis Kehagias, Theodore K. Alexandrides, Dimitrios Linos, Fotis Kalfaretzos, Bessie E. Spiliotis. (2009) *RAB5, GLUT-4 and PI3 Kinase expression in preadipocytes primary cultures of visceral, subcutaneous abdominal and gluteal tissue from morbidly obese and lean adults in different states of insulin sensitivity.* ENDO society Meeting, Washington DC. June. (Poster)
46. A. Karvela, A. Pappa, **AP Rojas Gil**, S Samkinidou, G Georgiou, BE Spiliotis. (2009). Serum adiponectin, AdipoR1 and the adaptor protein APPL1 in primary Adipocyte Culture of lean and obese prepubertal children in relation to insulin sensitivity. ENDO society Meeting, Washington DC. June. (Poster)
47. **Andrea Paola Rojas Gil**, Eirini Kostopoulou, Kostantinos Kamzelas, Bessie E Spiliotis (2009) Inhibition of the protein expression of CIS ubiquitin ligase overcomes the impairment in the GH signalling pathway in Growth Hormone Transduction Defect (GHTD). LWPES/ESPE 8th Joint Meeting New York City USA. September. (Poster)
48. Ioanna Giannakopoulou, **Andrea Paola Rojas Gil**, Bessie E Spiliotis. (2009). Two novel mutations in the promoter region of the growth hormone gene (GH1) in familial isolated growth hormone deficiency LWPES/ESPE 8th Joint Meeting New York City USA. September. (Poster)
49. **Andrea Paola Rojas Gil**, Mary Smaili, Alexia Karvela, Ioannis Kehagias, Theodore K. Alexandrides, Dimitrios Linos, Fotis Kalfaretzos, Bessie E. Spiliotis. (2009) RAB5 and GLUT-4 expression primary cultures of subcutaneous abdominal tissue from obese and lean children, and adults in association with insulin levels LWPES/ESPE 8th Joint Meeting New York City USA. September (Poster)
50. Alexia Karvela, Aliko Pappa, **Andrea Paola Rojas-Gil**, Eustratia Samkinidou, George Georgiou, Bessie E. Spiliotis (2009) Serum HMW adiponectin, AdipoR1, the adaptor protein APPL1 and the GTPase RAB5 in primary adipocyte cultures of lean and obese prepubertal children in relation to insulin sensitivity. LWPES/ESPE 8th Joint Meeting New York City USA. September (Oral presentation)

51. Nikolitsa Koutroumani, **Andrea Paola Rojas Gil**, Athina Dettoraki, Bessie E. Spiliotis (2010). Correlation between cyclooxygenase-2 (COX2), sRAGE and matrix metalloproteinase 9 (MMP9) with haemoglobin A1C (HbA1c) and LDL cholesterol and their possible role in the growth of type type1 complications in children . European Society for Paediatric Endocrinology 49nd Annual Meeting Prague Czech Republic. (Poster)
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### **Research interests**

My research is focused on the molecular endocrinology. The main research interests include:

- Molecular mechanisms of the defects in the GH-IGF-I axon
- Molecular mechanisms of the insulin resistance and diabetes type II
- Association of obesity and diabetes type II
- Association of the inflammation with diabetes type II
- Molecular mechanisms of the complications of diabetes type I



