

## CURRICULUM VITAE

**Name:** Diana Liberata Esposito

**Citizenship:** Australian and Italian

**Work address:** University “G. d’Annunzio” Chieti-Pescara, Aging Research Center, Room 568, Via Luigi Polacchi, 11 66100 Chieti, Italy

**Position:** Full researcher, General Pathology, Medicine and Surgery, University G. d’Annunzio Chieti-Pescara

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### **Education:**

**2002:** Specialization in medical genetics, University “G. d’Annunzio” Chieti-Pescara Italy

**1995:** Ph.D. in Experimental Medicine, University “La Sapienza”, Rome, Italy

**1990:** Professional biologist qualification, University of L’Aquila, Italy

**1988:** Degree in Biological Sciences, University of L’Aquila, Italy

### **Research Experience:**

**2002-present:** Full researcher, General Pathology, University G. d’Annunzio Chieti-Pescara. The research activity includes molecular genetics and cancer biology mediated by IRS1 and IRS2. IGF1R and TGFbeta interaction signaling. Toxicology studies in stem cell models. Viral carcinogenesis studies. Studies of paraganglioma tumors and derived cell models to investigate tumor developing, progression mechanisms and to develop patients targeted therapies. Signal transduction and microRNA functional studies. Development of innovative methods (Prof. Renato Mariani-Costantini)

**1998-2002:** Specialization student, University “G. d’Annunzio” Chieti-Pescara Italy. The research activity includes the molecular genetics of type 2 diabetes and the structure-function relationships of IRS1 related to type 2 diabetes physiopathology

**June 2000, February-March 2001 June-July 2001:** Guest Researcher, NHLBI, National Institutes of Health, Bethesda, Maryland, USA. The research activity includes the molecular mechanisms of IRS1 mediated insulin signaling (Group Leader: Michael J Quon)

**March 1999-October 1999:** Guest Researcher, NHLBI, National Institutes of Health, Bethesda, Maryland, USA. The research activity includes the molecular mechanisms of IRS1 mediated insulin signaling (Group Leader: Michael J Quon)

**March 1995-July 1996:** Guest researcher, NIDDK, National Institutes of Health, Bethesda, Maryland, USA. The research activity includes the structure-function relationships of insulin-like growth factor-1 receptor related to cancer (Group Leader: Derek LeRoith)

**May-September 1993:** Summer student, Diabetes branch, NIDDK, National Institutes of Health, Bethesda, Maryland, USA. The research activity includes site-directed mutagenesis of GLUT4 promoter (Mentor: Michael J Quon)

**1990-1994:** Ph.D student, University “La Sapienza”, Rome, Italy. The research activity includes the genetics of colon cancer predisposition, viral carcinogenesis studies and development of innovative methods

**1988-1990:** Postgraduate training, University G. d’Annunzio Chieti-Pescara, Chieti. The research activities include medical microbiology

### **Technical skills and competences:**

Dr Diana L. Esposito has direct experience of cell culture, primary cell culture from tissues, in vitro site directed mutagenesis, transfection methods, DNA, RNA and protein analysis, in vitro cell biology assays, signal transduction and microRNA functional studies. Writing papers, grants, university teaching, tutor for students (thesis and PhD) and exams

**Ad-hoc reviewer:** Diabetology & Metabolic Syndrome

**Selected Editorial board member:** Scientific Journal of Genetics and Gene Therapy

**International collaborations 2015 due to my commitment:**

**Dr Michele Vacca MD PhD**, Senior Clinician Scientist

Medical Research Council – Human Nutrition Research (MRC-HNR) & Institute of Metabolic Science, University of Cambridge, Elsie Widdowson Laboratory, 120 Fulbourn Road Cambridge CB1 9NL, UK

**Dr Cecilia Soderberg-Naucler MD**, Professor of Microbial Pathogenesis, Department of Medicine, Center for Molecular Medicine, Karolinska Institutet at Karolinska Hospital, Stockholm, Sweden

**William G. Kaelin, Jr., M.D.**, Professor of Medicine, Dana-Farber Cancer Institute and Harvard Medical School, Investigator, Howard Hughes Medical Institute, 450 Brookline Avenue, Mayer 457 Boston, MA 02215 USA

**Publications:**

2 manuscripts in preparation

1) **ESPOSITO DL**, VERGINELLI F, TORACCHIO S, MAMMARELLA S, DE LELLIS L, VANNI C, RUSSO A, MARIANI-COSTANTINI R, CAMA A. Novel insulin receptor substrate 1 and 2 variants in breast and colorectal cancer. *ONCOL REP.* 2013 Oct;30(4):1553-60.

2) **ESPOSITO DL**, ARU F, LATTANZIO R, MORGANO A, ABBONDANZA M, MALEKZADEH R, BISHEHSARI F, VALANZANO R, RUSSO A, PIANTELLI M, MOSCHETTA A, LOTTI LV, MARIANI-COSTANTINI R. The insulin receptor substrate 1 (IRS1) in intestinal epithelial differentiation and in colorectal cancer. *PLOS ONE.* 2012;7(4):e36190.

3) MODICA S, MORGANO A, SALVATORE L, PETRUZZELLI M, VANIER MT, VALANZANO R, **ESPOSITO DL**, PALASCIANO G, DULUC I, FREUND JN, MARIANI-COSTANTINI R, MOSCHETTA A. Expression and localisation of insulin receptor substrate 2 in normal intestine and colorectal tumours. Regulation by intestine-specific transcription factor CDX2. *GUT.* 2009 Sep;58(9):1250-9.

4) DI GIOACCHINO M, PETRARCA C, PERRONE A, FARINA M, SABBIONI E, HARTUNG T, MARTINO S, **ESPOSITO D.L.**, LOTTI LV, MARIANI-COSTANTINI R. (2008). Autophagy as an ultrastructural marker of heavy metal toxicity in human cord blood hematopoietic stem cells. *SCIENCE OF THE TOTAL ENVIRONMENT.* vol. 392, pp. 50-58

5) DI GIOACCHINO M, PETRARCA C, PERRONE A, MARTINO S, **ESPOSITO D.L.**, LOTTI LV, MARIANI-COSTANTINI R. (2008). Autophagy in hematopoietic stem/progenitor cells exposed to heavy metals: biological implications and toxicological relevance. *AUTOPHAGY.* vol. 4, pp. 537-539

6) DI GIOACCHINO, M., PERRONE, A., PETRARCA, C., VERNA, N., **ESPOSITO, D.**, PONTI, J., SABBIONI, E., DI GIAMPAOLO, L., BOSCOLO, P., COSTANTINI, R.M. In vitro cytokine modulation by cobalt nano- and microparticles and solutions. *Giornale Italiano di Medicina del Lavoro ed Ergonomia* Volume 28, Issue 3, July 2006, Pages 316-318

7) BISHEHSARI F, MAHDAVINIA M, MALEKZADEH R, VERGINELLI F, CATALANO T, SOTOUDEH M, BAZAN V, AGNESE V, **ESPOSITO D.L.**, DE LELLIS L, SEMERARO D,

COLUCCI G, HORMAZDI M, RAKHSHANI N, CAMA A, PIANTELLI M, IACOBELLI S, RUSSO A, MARIANI-COSTANTINI R. (2006). Patterns of K-ras mutation in colorectal carcinomas from Iran and Italy (a Gruppo Oncologico dell'Italia Meridionale study): influence of microsatellite instability status and country of origin. *ANNALS OF ONCOLOGY*. vol. 17, pp. vii91-vii96

8) **ESPOSITO D.L.**, LI Y, VANNI C, MAMMARELLA S, VESCHI S, DELLA LOGGIA F, MARIANI-COSTANTINI R, BATTISTA P, QUON MJ, CAMA A. (2003). A novel T608R missense mutation in insulin receptor substrate-1 identified in a subject with type 2 diabetes impairs metabolic insulin signaling. *JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM*. vol. 88, pp. 1468-1475

9) MINCIONE G, **ESPOSITO D.L.**, DI MARCANTONIO MC, PICCIRELLI A, CAMA A, COLLETTA G. (2003). TGF-beta 1 modulation of IGF-I signaling pathway in rat thyroid epithelial cells. *EXPERIMENTAL CELL RESEARCH*. vol. 287, pp. 411-423

10) NISIO CD, BRUNETTI L, **ESPOSITO D.L.**, RECINELLA L, ORLANDO G, MICHELOTTO B, VACCA M. (2003). Desialylated N-CAM and chromatin-derived acidic peptide effects in the hypothalamus. *PEPTIDES*. vol. 24, pp. 1231-1236

11) ARMONI M, QUON MJ, MAOR G, AVIGAD S, SHAPIRO DN, HAREL C, **ESPOSITO D.L.**, GOSHEN Y, YANIV I, KARNIELI E. (2002). PAX3/forkhead homolog in rhabdomyosarcoma oncoprotein activates glucose transporter 4 gene expression in vivo and in vitro. *JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM*. vol. 87, pp. 5312-5324

12) MONTAGNANI M, RAVICHANDRAN LV, CHEN H, **ESPOSITO D.L.**, QUON MJ. (2002). Insulin receptor substrate-1 and phosphoinositide-dependent kinase-1 are required for insulin-stimulated production of nitric oxide in endothelial cells. *MOLECULAR ENDOCRINOLOGY*. vol. 16, pp. 1931-1942

13) VERGINELLI F, OTTINI L, **ESPOSITO D.L.**, CAMA A, BATTISTA P, CIRANNI R, ZAVAGLIA K, MARIANI-COSTANTINI R, FORNACIARI G. (2002). Ancient DNA studies: from paleopathology to population genetics. *MEDICINA NEI SECOLI*. vol. 14, pp. 587-607

14) **ESPOSITO D.L.**, LI Y, CAMA A, QUON MJ. (2001). Tyr(612) and Tyr(632) in human insulin receptor Tyr(612) and Tyr(632) in human insulin receptor substrate-1 are important for full activation of insulin-stimulated phosphatidylinositol 3-kinase activity and translocation of GLUT4 in adipose cells. *ENDOCRINOLOGY*. vol. 142, pp. 2833-2840

15) RAVICHANDRAN LV, **ESPOSITO D.L.**, CHEN J, QUON MJ. (2001). Protein kinase C-zeta phosphorylates insulin receptor substrate-1 and impairs its ability to activate phosphatidylinositol 3-kinase in response to insulin. *THE JOURNAL OF BIOLOGICAL CHEMISTRY*. vol. 276, pp. 3543-3549

16) ARCURI P, DI SPIRITO P, DI VALERIO A, PALMIROTTA R, CREATI B, MAMMARELLA S, **ESPOSITO D.L.**, CARAMIA FG, MARIANI-COSTANTINI R, CAMA A, BATTISTA P. (2000). Mutational analysis of OB gene in obese and type 2 diabetes affected subjects. *INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE*. vol. 6, pp. 97-99

- 17) FICARI F, CAMA A, VALANZANO R, CURIA MC, PALMIROTTA R, ACETO G, **ESPOSITO D.L.**, CROGNALE S, LOMBARDI A, MESSERINI L, MARIANI-COSTANTINI R, TONELLI F, BATTISTA P. (2000). APC gene mutations and colorectal adenomatosis in familial adenomatous polyposis. *BRITISH JOURNAL OF CANCER*. vol. 82, pp. 348-353
- 18) MAMMARELLA S, ROMANO F, DI VALERIO A, CREATI B, **ESPOSITO D.L.**, PALMIROTTA R, CAPANI F, VITULLO P, VOLPE G, BATTISTA P, DELLA LOGGIA F, MARIANI-COSTANTINI R, CAMA A. (2000). Interaction between the G1057D variant of IRS-2 and overweight in the pathogenesis of type 2 diabetes. *HUMAN MOLECULAR GENETICS*. vol. 9, pp. 2517-2521
- 19) RAZZINI G, INGROSSO A, BRANCACCIO A, SCIACCHITANO S, **ESPOSITO D.L.**, FALASCA M. (2000). Different subcellular localization and phosphoinositides binding of insulin receptor substrate protein pleckstrin homology domains. *MOLECULAR ENDOCRINOLOGY*. vol. 14, pp. 823-836
- 20) CURIA MC, **ESPOSITO D.L.**, ACETO G, PALMIROTTA R, CROGNALE S, VALANZANO R, FICARI F, TONELLI F, BATTISTA P, MARIANI-COSTANTINI R, CAMA A. (1998). Transcript dosage effect in familial adenomatous polyposis: model offered by two kindreds with exon 9 APC gene mutations. *HUMAN MUTATION*. vol. 11, pp. 197-201
- 21) **ESPOSITO D.L.**, PALMIROTTA R, VERI MC, MAMMARELLA S, D'AMICO F, CURIA MC, ACETO G, CROGNALE S, CREATI B, MARIANI-COSTANTINI R, BATTISTA P, CAMA A. (1998). Optimized PCR labeling in mutational and microsatellite analysis. *CLINICAL CHEMISTRY*. vol. 44, pp. 1381-1387
- 22) MAMMARELLA S, CREATI B, **ESPOSITO D.L.**, ARCURI P, DELLA LOGGIA F, CAPANI F, MARIANI-COSTANTINI R, CARAMIA FG, BATTISTA P, CAMA A. (1998). Novel allele of the insulin receptor substrate-1 bearing two non-conservative amino acid substitutions in a patient with noninsulin-dependent diabetes mellitus. *Mutations in brief no. 130*. Online. *HUMAN MUTATION*. vol. 11, pp. 411
- 23) PALMIROTTA R, VERI MC, CURIA MC, ACETO G, D'AMICO F, **ESPOSITO D.L.**, ARCURI P, MARIANI-COSTANTINI R, MESSERINI L, MORI S, CAMA A, BATTISTA P. (1998). Transcripts with splicings of exons 15 and 16 of the hMLH1 gene in normal lymphocytes: implications in RNA-based mutation screening of hereditary non-polyposis colorectal cancer. *EUROPEAN JOURNAL OF CANCER*. vol. 34, pp. 927-930
- 24) **ESPOSITO D.L.**, BLAKESLEY VA, KOVAL AP, SCRIMGEOUR AG, LEROITH D. (1997). Tyrosine residues in the C-terminal domain of the insulin-like growth factor-I receptor mediate mitogenic and tumorigenic signals. *ENDOCRINOLOGY*. vol. 138, pp. 2979-2988
- 25) BLAKESLEY VA, SCRIMGEOUR A, **ESPOSITO D.L.**, LE ROITH D. (1996). Signaling via the insulin-like growth factor-I receptor: does it differ from insulin receptor signaling?. *CYTOKINE & GROWTH FACTOR REVIEWS*. vol. 7, pp. 153-159
- 26) **ESPOSITO D.L.**, MAMMARELLA S, RANIERI A, DELLA LOGGIA F, CAPANI F, CONSOLI A, MARIANI-COSTANTINI R, CARAMIA FG, CAMA A, BATTISTA P. (1996). Deletion of Gly723 in the insulin receptor substrate-1 of a patient with noninsulin-dependent diabetes mellitus. *HUMAN MUTATION*. vol. 7, pp. 364-366

- 27) CAMA A, PALMIROTTA R, CURIA MC, **ESPOSITO D.L.**, RANIERI A, FICARI F, VALANZANO R, BATTISTA P, MODESTI A, TONELLI F, ET AL. (1995). Multiplex PCR analysis and genotype-phenotype correlations of frequent APC mutations. HUMAN MUTATION. vol. 5, pp. 144-152
- 28) OTTINI L, **ESPOSITO D.L.**, RICHETTA A, CARLESIMO M, PALMIROTTA R, VERI MC, BATTISTA P, FRATI L, CARAMIA FG, CALVIERI S, ET A. (1995). Alterations of microsatellites in neurofibromas of von Recklinghausen's disease. CANCER RESEARCH. vol. 55, pp. 5677-5678
- 29) PALMIROTTA R, CURIA MC, **ESPOSITO D.L.**, VALANZANO R, MESSERINI L, FICARI F, BRANDI ML, TONELLI F, MARIANI-COSTANTINI R, BATTISTA P, ET AL. (1995). Novel mutations and inactivation of both alleles of the APC gene in desmoid tumors. HUMAN MOLECULAR GENETICS. vol. 4, pp. 1979-1981
- 30) CAMA A, **ESPOSITO D.L.**, PALMIROTTA R, CURIA MC, RANIERI A, FICARI F, VALANZANO R, MODESTI A, BATTISTA P, TONELLI F, ET AL. (1994). A novel mutation at the splice junction of exon 9 of the APC gene in familial adenomatous polyposis. HUMAN MUTATION. vol. 3, pp. 305-308
- 31) CAMA A, PALMIROTTA R, **ESPOSITO D.L.**, CURIA MC, RANIERI A, FICARI F, VALANZANO R, BATTISTA P, FRATI L, TONELLI F, ET AL. (1994). A novel deletion in exon 15 of the adenomatous polyposis coli gene in an Italian kindred. HUMAN MUTATION. vol. 3, pp. 301-304
- 32) VECCHIONE A, CERMELE C, GIOVAGNOLI MR, VALLI C, ALIMANDI M, CARICO E, **ESPOSITO D.L.**, MARIANI-COSTANTINI R, FRENCH D. (1994). p53 expression and genetic evidence for viral infection in intraepithelial neoplasia of the uterine ce. GYNECOLOGIC ONCOLOGY. vol. 55, pp. 343-348
- 33) CIRAFICI AM, PEPE S, MINCIONE G, **ESPOSITO D.L.**, COLLETTA G. RELATED ARTICLES, LINKS. (1992). TGF beta inhibits rat thyroid cell proliferation without alterations in the expression of TSH-induced cell cycle-related genes. BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. vol. 187, pp. 225-233
- 34) CELLINI L, DEL VECCHIO A, ROBUFFO I, **ESPOSITO D.L.**, DI CAMPLI E, PICCOLOMINI R. (1991). Aspetti microbiologici comparativi sulle infezioni del tratto urinario in pazienti ospedalizzati ed ambulatoriali. L'IGIENE MODERNA. vol. 95, pp. 224-238

#### Chapter in International Books

- 1) Palmirotta R, **Esposito DL**, Cama A, Battista P, Valanzano R, Ficari F, Tonelli F, Navarra G, Cataldi S, Mariani Costantini R, Frati L. Molecular basis of familial adenomatous polyposis coli. in "Trends in colorectal cancer" (Franchi F., Seminara P., Codacci Pisanelli G., eds.) Teda, Castrovillari. 1994, pp. 29-40
- 2) LeRoith D, Parrizas M, **Esposito DL**, Werner H, and Blakesley V. The Insulin-like Growth Factor-1 Receptor: Implications for Ovarian physiology In: Proceedings of the International

Symposium on the role of Insulin-like Growth Factors in ovarian Physiology. (D. LeRoith, Editor), Ares Serono, 1997

### **International Meetings "IN EXTENSO"**

- 1) Palmirotta R, Curia MC, Veri MC, Aceto G, **Esposito DL**, Messerini L, Stigliano V, Guadagni F, Fracasso P, Casale V, Valanzano R, Ficari F, Tonelli F, Battista P, Mariani Costantini R., Cama A. Molecular studies of kindreds with hereditary colorectal cancer. Proceedings of European Workshop on: "Organization of networks for genetic counselling and molecular diagnostic of cancer syndromes". Sestri Levante (Genoa)- March 31, 1996. 1-7.
- 2) Blakesley VA, **Esposito DL**, Scrimgeour AG, Koval AP, Stannard BS, and LeRoith D. Roles of the tyrosine residues in the carboxy-terminal domain of the IGF-I receptor. *Exp Clin Endocrinol Diabetes*, 1996; 104 (suppl.2): 19-21
- 3) Armoni M, Shapiro A, Quon MJ, **Esposito D**, Zipris D and Karnieli E. GLUT4 Promoter is Transactivated by PAX/FKHR Oncoprotein In Vivo and In Vitro. VII International Symposium on Insulin Receptors & Insulin Action: Molecular and Clinical Aspects. Jerusalem, Israel, May 16-20, 1998 p 117-118, O-68

### **National and International Meetings**

- 1) **Esposito DL**, Verginelli F, Perconti S, Visone R, Veronese A, D'Argenio A, Morgano A, Liberatoscioli ML, Schiavi F, Opocher G, Cama A, Florio R, Romagnoli M, Di Monte J, Paties CT, sanna M, Martino S, Lotti LV and Mariani-Costantini R. PDGFRA is controlled by miRNAs in head and neck paraganglioma cells: *in vitro* and *in vivo* treatment with imatinib mesylate. *Cancer and metabolism* 2015. Robinson College Cambridge, UK September 28-30, 2015 Abstract N. 35
- 2) **Esposito DL**, Aru F, Morgano A, Lattanzio R, Modica S, Piantelli M, Lotti L.V., Russo A, Moschetta A, Mariani-Costantini R. Modulation of insulin receptor substrate-1 expression is related to differentiation in human colorectal epithelium and colorectal cancer. *EJC supplements*, 20<sup>th</sup> Meeting of the European Association for Cancer Research (EACR 20), (ISSN 1359-6349), Lyon, France, 5-8 July 2008 Abstract pg 93.
- 3) Montagnani M, **Esposito DL**, Quon MJ. Insulin-stimulated activation of eNOS requires IRS-1 to couple signaling from the insulin receptor to PI 3-kinase pathways. 61st scientific sessions June 22-26 2001, Philadelphia, Pennsylvania, USA, *Diabetes* June 2001, volume 50, supplement 2 ISSN 012-1797 Abstract N. 1238P
- 4) **Esposito DL**, Vanni C, Mammarella S, Balbinot A, Della Loggia F, Battista P, Cama A. A novel insulin receptor substrate-1 variant identified in a patient with type 2 diabetes affects insulin signaling. VIIIth International symposium on insulin receptors and insulin action. Geneva Switzerland May 5-9, 2001 Abstract N. 178P
- 5) **Esposito DL**, Li Y, Cong L, Cama A, Quon MJ. Tyr612 and Tyr632 in IRS-1 are sufficient for full activation of insulin-stimulated PI 3-kinase activity and translocation of GLUT4 in rat adipose cells. 60<sup>th</sup> scientific sessions, San Antonio, Texas, USA, June 9-13 2000, *Diabetes* May 2000, volume 49, supplement 1 ISSN 0012-1797
- 6) **Esposito DL**, Quon MJ, Ravichandran LV, Vanni C, Mammarella S, Cama A. Characterization of non-conservative amino-acid variants of the insulin receptor substrate-1 detected in patients with

NIDDM. Telethon Scientific Convention November 12-14, 2000, palazzo congressi, Rimini, Italy, Abstract N. 298

7) Aceto G, Curia MC, Palmirota R, Veri' MC, Crognale S, **Esposito DL**, Messerini L, Valanzano R, Ficari F, Tonelli F, fracasso P, Casale V, Mariani-Costantini R, Cama A, Battista P. Genetic analysis of hereditary colorectal cancer. 89<sup>th</sup> annual meeting, March 28-April 1, New Orleans, LA, USA Abstract N. 3223

8) **Esposito DL**, Quon MJ, Cong L, Cama A, Balbinot A, Vanni C, Mammarella S, Battista P. Characterization of non-conservative amino-acid variants of the insulin receptor substrate-1 detected in patients with NIDDM. Telethon Scientific Convention November 14-16, 1999, palazzo congressi, Rimini, Italy, Abstract N. 347

9) Ficari F, Cama A, Curia MC, Palmirota R, Aceto G, **Esposito DL**, Crognale S, Lombardi A, Valanzano R, Mariani-Costantini R, Tonelli F, Battista P. APC gene mutation site and heterogeneity of colorectal disease in familial adenomatous polyposis patients. New Frontiers in medicine. 25-27 November 1998 Firenze, Italy

10) Falasca M, Razzini G, Cilli C, **Esposito DL**, Corda D. The role of phosphoinositides-pleckstrin homology domain interactions in insulin signaling. Telethon Scientific Convention November 15-17, 1998, palazzo congressi, Roma, Italy, Abstract TF12

11) **Esposito DL**, Quon MJ, Cong L, Balbinot A, Vanni C, Mammarella S, Creati B, Di Valerio A. Characterization of non-conservative amino-acid variants of the insulin receptor substrate-1 detected in patients with NIDDM. Telethon Scientific Convention November 15-17, 1998, palazzo congressi, Roma, Italy, Abstract N. 332

12) Ficari F, Cama A, Curia MC, Palmirota R, Aceto G, **Esposito DL**, Crognale S, Lombardi A, Valanzano R, Mariani-Costantini R, Tonelli F, Battista P. Colorectal adenomatous polyps distribution through the large intestine and site of APC truncation in Italian patients. XVI riunione nazionale di oncologia sperimentale e clinica. November 15-18, 1998, Rome, Italy Abstract N. 16 Tumori supplement 1 vol 84, number 5, ISSN: 0300-8916

13) Mincione G, **Esposito DL**, Di Marcantonio MC, Piccirelli A, Falcocchio M, Sonsini L, Mariani-Costantini R, Cama A, Colletta G. TGFbeta interferes with Insulin-like Growth Factor signaling pathway in FRTL-5 thyroid epithelial cell lin. XVI riunione nazionale di oncologia sperimentale e clinica. November 15-18, 1998, Rome, Italy Abstract N. 128 Tumori supplement 1 vol 84, number 5, ISSN: 0300-8916

14) **Esposito DL**, Balbinot A, Mammarella S, Creati B, Di Valerio A, Cama A. Characterization of non-conservative amino-acid variants of the insulin receptor substrate-1 detected in patients with NIDDM. Telethon Scientific Convention November 16-18, 1997, palazzo congressi, Bologna, Italy, Abstract N. 209

15) Cama A, Mammarella S, Creati B, **Esposito DL**, Bellelli E, Di Valerio A. Prevalence and functional significance of mutations in the insulin receptors, and in the insulin receptor substrate-1 in patients with NIDDM and in patients with genetic syndromes of extreme insulin resistance: studies of molecular epidemiology, clinical physiology, expression in cultured cells, and expression in transgenic animals. Telethon Scientific Convention November 16-18, 1997, palazzo congressi, Bologna, Italy, Abstract N. 206

- 16) Curia MC, Aceto G, Palmirota R, **Esposito DL**, Crognale S, Genuardi M, Valanzano R, Ficari F, Tonelli F, Battista P, Mariani-Costantini R, Cama A. Correlation between site of APC mutation and clinical manifestation of FAP. XV riunione nazionale di oncologia sperimentale e clinica. October 4-7, 1997, Cagliari, Italy Abstract N.348
- 17) Curia MC, Palmirota R, **Esposito DL**, Aceto G, Crognale S, Messerini L, Genuardi M, Valanzano R, Ficari F, Tonelli F, Battista P, Mariani Costantini R, Cama A. Correlation between site of APC mutation and clinical manifestations of FAP. III congresso italiano di oncologia molecolare, May 7-10, 1997 Positano, Italy Abstract N. 21
- 18) Curia MC, Palmirota R, Veri' MC, Aceto G, **Esposito DL**, Arcuri P, Crognale S, Schiazza A, Messerini L, Valanzano R, Ficari F, Tonelli F, Fracasso P, Guadagni F, Stigliano V, Casale V, Mariani-Costantini R, Cama A and Battista P. Genetic analysis of the Italian kindreds with hereditary colorectal cancer. 88<sup>th</sup> annual meeting, American Association for Cancer Research, April 12-16 1997, San Diego, CA, USA Abstract N.1016
- 19) Curia MC, Palmirota R, **Esposito DL**, Arcuri P, Crognale S, Messerini L, Valanzano R, Ficari F, Tonelli F, Battista P, Mariani-Costantini R, Cama A. Site of APC mutation, number of colorectal polyps and retinal lesions in FAP patients. XIV riunione nazionale di oncologia sperimentale e clinica, October 13-16 1996, Milano, Italy, Tumori, ISSN:0300-8916, Abstract N. 6
- 20) **Esposito DL**, Blakesley VA, Koval AP, LeRoith D. A study of the importance of the non-conserved tyrosines in the C-termini of IGF-1 and insulin receptors. 10<sup>th</sup> international congress of Endocrinology. June 12-15, 1996 San Francisco, USA Abstract N.P2-222
- 21) Mammarella S, **Esposito DL**, Creati B, Di Valerio A, Della Loggia F, Capani F, Consoli A, Mariani-Costantini R, Caramia FG, Battista P and Cama A. Mutational analysis of the insulin receptor substrate-1 in non-insulin dependent diabetes. 32<sup>nd</sup> Annual Meeting, European Association for the study of diabetes, September 1-5, 1996, Vienna, Abstract N.280
- 22) Curia MC, Palmirota R, **Esposito DL**, Arcuri P, Messerini L, Valanzano R, Ficari F, Tonelli F, Battista P, Mariani-Costantini R, Cama A. Correlation of APC mutation sites with number of colorectal polyps and retinal lesions. 5<sup>th</sup> European workshop on cytogenetics and molecular genetics of human solid tumors. April 27-30, 1996. Baveno-Stresa Italy, Abstract pg 49
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