CURRICULUM VITAE

PAULA ALEXANDRA QUINTELA VIDEIRA

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1. PERSONAL DATA

NAME: Paula Alexandra Quintela Videira
FILIATION: Francisco Fernandes Lopes Videira and Maria Manuela Melo Quintela Videira
PLACE AND DATE OF BIRTH: Angola, December 2th, 1972
NATIONALITY: Portuguese
PERSONAL ADDRESS: Alameda dos Oceanos, lt 4.32.01L, 2ºB, 1990-238 LISBOA
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EMAIL: paula.videira@fcm.unl.pt

2. ACADEMIC DEGREES/ CARREER

- PhD in Biotechnology by the Biological Research Group, Instituto Superior Técnico, thesis named "The biosynthesis of the exopolysaccharide gellan in *Sphingomonas paucimobilis* ATCC 31461: genes, enzymes and genetic manipulation of the biosynthetic pathway", Grant PRAXIS/BD/13786/97, PRAXIS XXI from "Fundação para a Ciência e a Tecnologia", January, 22th 2002.
- Master Degree in Biotechnology (Biochemical engineering) Instituto Superior Técnico, Lisboa, April, 16th 1998.
- Graduation in Biochemistry, Faculty of Science and Technology, University of Coimbra, June, 13th 1995.

3. PRESENT POSITIONS AND ROLES

- Assistant Researcher at NOVA Medical School / Faculdade de Ciências Médicas (NMS/ FCM), NOVA University of Lisbon (UNL). Since September 2014.
- Assistant Professor at Faculdade de Ciências e Tecnologia (FCT), NOVA University of Lisbon (UNL). Since September 2014.

- Team leader of the Glycoimmunology group at NMS/FCM-UNL. Since 2006. http://cedoc.unl.pt/novo-site/glycoimmunology/Invited Researcher at Brigham and Women's Hospital - Harvard Institutes of Medicine, Boston USA.

- Regent of the Immunology course to the first degree "Licenciatura de Biologia Celular e Molecular", Faculdade de Ciência e Tecnologia, UNL. Since 2006.
- Regent of the Molecular Immunology course to the Master Biochemistry for Health, NMS/FCM-UNL. Since 2013.
- Coordinator of the Glycoscience *e-learning* post graduate course. Since 2012.
- Member of Scientific council of NMS/FCM-UNL, since 2010.
- Scientific coordinator of the Cell Biology Services @ CEDOC, since 2012. http://www.fcm.unl.pt/projectos/glicociencias/index.php?option=com_content&view=article&id=45&Itemid=54
- Responsible for Scientific Occupancy of Young on Holydays at NMS/FCM (Ciência Viva Program). Since 2006.

4. PAST POSITIONS

- Assistant Professor at NOVA Medical School / Faculdade de Ciências Médicas (NMS/ FCM), NOVA University of Lisbon (UNL). November 2006 – August 2014.
- Fulbright Professor visiting fellow - Harvard Institutes of Medicine, Boston USA. January – June 2013.
- Vice-coordinator of Basic and Translational Research group –of the *Chronic Diseases Research Center* - CEDOC - at NMS/FCM-UNL. 2009-2010.
- Research Visiting Fellow at Experimental Pathology Department, Bologna University, Italy. 2006.
- Immunology Professor and member of Scientific Counsil at "Escola Superior de Biologia e Saúde", Lisbon. 2003 -2006.
- Assistant Lecturer of Immunology at Medical Sciences Faculty, Universidade Nova, Lisbon, Portugal, 2005 - 2006.
- Post-Doc researcher at Biological Research Group, Instituto Superior Técnico, Lisboa, January 2002 - February 2005.
- Visiting graduate student, Centre de Recherches sur les Macromolécules Végétales, Grenoble, France. January-July 1999.
- Scientific training, University of Bergen, Norway, August 1994- June 1995.

5. PRIZES

- Bluepharma | University of Coimbra Award - "Trifunctional antibodies and dendritic cell-based technologies: a combined approach to cancer immunotherapy" 2014.
- Scientific merit from Santander Totta - Universidade Nova de Lisboa 2012/2013. Antibody Engineering for Breast Cancer treatment.
- Fulbright Professor visiting fellow - Harvard Institutes of Medicine, Boston USA. January – June 2013. Fulbright Commission
- EMBO- European Molecular Biology Organization Short Term Fellowship - Harvard Institutes of Medicine, Boston USA. July – September 2011.
- Banco Espírito Santo Prize – Best Research Work V YES – Young European Scientist – Meeting, Porto, Portugal.
- First Poster Prize 2009. IX Congreso de la Sociedad Ibérica de citometría, Covilhã, Portugal.

- Early Stage Research Fellowship from Institute Advanced Study, University of Bologna-2006
- Post-Doc Scholarship, SFRH/BPD/5710/2001, February 2001 to March 2005.
- PhD Scholarship, PRAXIS/BD/13786/97, 1997-2001.
- Master Degree, PRAXIS/BM/6814/95, 1995-1997.
- Stage Scholarship, ICP-94-NL-1235, ERASMUS Program. 1994-1995.

6. PROFESSIONAL/SCIENTIFIC ASSOCIATION MEMBERSHIP

- Portuguese Biochemistry Society membership since 2012.
- Participating investigator in the Consortium for Functional Glycomics, NIGMS, since 2007.
- "Centro de Estudos de Doenças Crónicas" Fundação para a Ciência e a Tecnologia, research member since 2006.
- "Associação Viver a Ciência" membership since 2007.
- "International Glycobiology Society" membership, since 2006.
- Portuguese Immunology Society membership since 2011.
- Member of European Project Volvox, through Ciência Viva Program. Since 2006.
- Member of Portuguese Society of Congenital Disorders of Glycosylation and other metabolic diseases. Since 2011.
- Member of the Science Advisory board. Since 2010.
- Editor of the World Journal of Clinical Urology. Since 2012.

7. SCIENTIFIC AREA OF RESEARCH

Paula Videira works on the role of glycosylation - a posttranslational modification of proteins - in the modulation of immune responses to pathogens and in the cancer biology. Virtually every cell surface protein is glycosylated and a considerable number of proteins that regulate immune cell development and function bind glycans (i.e. are lectins). Thus, glycan modifications can change the way the immune system recognizes pathogens, cancer cells, and also "self" antigens. Paula is devoted to study glycan alterations in cancer cells and her team recently identified markers that can serve as diagnosis and/or prognosis markers of cancer. Currently she is devoted to develop novel immunotherapies based on dendritic cells and therapeutical antibodies.

8. ORGANIZATION OF SCIENTIFIC MEETINGS

- EMBO Workshop "Glycobiology and glycochemistry: Applications to human health and disease", Lisbon 2014 http://events.embo.org/14-glyco/

- GlycoT 2014 9th International Symposium on Glycosyltransferases, Porto 2014

- II Symposium on rare diseases – Joining all stakeholders to discuss Human Genetic Diseases, Porto 2014

- Coordination "Symposium on Rare Diseases: "Assessing the involvement of all stakeholders to improve healthcare"- NMS/FCM, December 2012. http://www.fcm.unl.pt/projectos/glicociencias/

- Coordination International Workshop, “Glycosciences in The International Year of Chemistry- Applications to Human Health and Disease", European Science Foundation, September 2011. http://www.spq.pt/eventos/glycoiyc/?ver=oc
- Coordinator of the Workshop “Glycans in cell communication -What kind of science is Glycoscience?” NMS/ FCM-UNL 24, 25 Sept. 2010.
-Coordinator of the Workshop “Functional Genomics aspects applied to Immunology” NMS/ FCM-UNL, Lisbon, 15-16th May 2009.
- Coordinator of the Workshop “Functional Genomics aspects applied to Immunology” NMS/ FCM-UNL, Lisbon, 25-26th February 2008.
-Coordinator of the Courses I and II “Introducing PCR Real Time: basic aspects and aplications” NMS/ FCM-UNL, Lisbon, 2006, 2007
- Coordinator of seminars “Glycoimmunology”- NMS/ FCM-UNL, Lisbon, March 2006, October 2007.
-Organizing commission of the Portuguese Society for Immunology - XXXI Annual Meeting, Lisbon, 2005.

9. PROJECTS/ RESEARCH FUNDING

- Responsible: Bluepharma | University of Coimbra Award - “Trifunctional antibodies and dendritic cell-based technologies: a combined approach to cancer immunotherapy” 2014.
- COST Action Proteostasis Biomedicine and molecular biosciences domain BM1302.
- Responsible for an ADI funded project; QREN-I & D in Co-promotion; Reference: 38870 “aDVANCE_Developing novel anti-cancer vaccines from dendritic cells”
- Member of the Action Group INOVAFUNAGEING, an European Innovation Partnership on Active and Healthy Ageing, since 2012.
- Santander Totta – Universidade Nova de Lisboa Prize 2012/2013. Antibody Engineering for Breast Cancer treatment.
- Principal Investigator “The role of sialic acid in the immunobiology of dendritic cells” PTDC/SAU-MII/67561/2006, 01-09-2007 to 31-03-2011
- “Evaluation of the antitumoral immune response induced by intravesical BCG therapy in superficial bladder tumors” 2009 Astellas Pharma (Yamanuchi Price)
- “The effect of the absence of sialic acid in dendritic cells cfg_rRequest_462 2006” - Consortium for Functional Glycomics
- Investigator “Legionnaires' disease - from laboratorial diagnosis to epidemiological investigation: detection and molecular characterization of strains, virulence mechanisms and pathogenesis factors” PTDC/SAU-ESA/64269/2006, 01-10-2008 to 30-09-2011
- Investigator PIC/IC/82956/2007 “Meal-induced insulin sensitization (MIS) - from basics to clinical studies”
- Investigator POCI/BIO/58401/2004 “Biosynthesis of the bacterial gum gellan: molecular biology, biochemistry and genetic engineering of the pathway”, 2005.
- PESSOA Program, Proc. 4.1.1/França. 2004/2005. “Relação sequência-função das proteínas com actividade de beta-1,4-glucuronosiltransferase, GelK e WciQR”
- Program: ICCTI / France Embassy. Contracto: 422 K4. 2000/2001. “Biochemical characterization of the enzyme glucuronosil transferase (Gel K) from *Sphingomonas paucimobilis* involved in the biosynthesis of the exopolysaccharide gellan”.

- Investigator POCTI/35733/99 project. 2001. 3 years. “Bacterial Polysaccharide Engineering”
- Investigator PRAXIS/P/BIO/12020/98 . 2000. “Biotecnologia do gelano: via biossintética, manipulação genética e ambiental e relações estrutura/propriedade”

10. SUPERVISING EXPERIENCE

- Pos-Doc researchers

- Zélia Maria Cordeiro da Silva (SFRH/BPD/41168/2007) Study the biosynthesis of sialyl Lewis X in human dendritic cell. Desde 2007
- Maria de Guadalupe Gonçalves Cabral, (SFRH/BPD/21619/2005). “The role of sialylation in the endocytosis process: analysis of myeloid cell line models” Desde 2007.
-Flávia Lima “Dendritic cell trafficking” (CAPES/FCT) 2012.

- PhD thesis

Complete:
- Luís Carlos Oliveira Lima, “Factores preditivos de resposta à terapêutica intravesical com BCG” (SFRH/BD/43399/2008). 2014.
- António Bugalho “Ultrassonografia torácica: impacto no diagnóstico e estadiamento do cancro do pulmão”. 2014.
- Paulo Severino, “Thomsen-Friedenreich antigens in bladder cancer: evaluation of their prognostic value” (SFRH/BD/45120/2008) 2014

Ongoing:
- Diogo Casal "Arterialized Venous Flaps". Since 2010. (Co-supervision)
- Paula Peixe "Colangite esclerosante primária: a resposta imunitária do intestino é diferente?"
- Mylène Carrascal, Since 2011. “Role of selectin ligands in breast cancer metastasis”
- Mariana Silva, Since 2011 "Elucidating the selectin ligands in dendritic cells: a contribution to the development of dendritic cell-based vaccines with osteotropism for treatment of bone metastasis". (SFRH/BD/81860/2011)
- Hélio Crespo “Triggering the adaptive immune response: Importance of dendritic cell 2,3- and 2,6-sialylation” (SFRH/BD/61204/2009)
- Tiago Ferro (Fellowship, PhD Programme in Bioengineering: Cell Therapies and Regenerative Medicine). Since 2014
- Liliana Loureiro (Fellowship, PhD Programme in Bioengineering: Cell Therapies and Regenerative Medicine). Since 2014

- Master thesis

<u>Completed</u>
- Maria Reis “Produção de Anticorpos para Tratamento de Cancro de Mama” 2014
- Inês Raquel da Silva Iria: “Optimization of gene manipulation methods for primary cells and tissues” 2014.
- Patrícia Ramos “Infecção activa pelo vírus citomegálico humano em doentes internados com sépsis numa Unidade de Cuidados Intensivos” 2014.
- Graça Marques “Optimization of primary cell isolation, culture and preservation methodologies” 2013.
- Andreia Lopes “Avaliação de mecanismo de escape imunológico do Complexo *Burkholderia cepacia*” 2012.

-Teresa Veríssimo "Investigation of the presence of PDI in cancer cell lines and their role on migratory capacity and invasiveness" 2012.
- Andreia Sofia Mendes "Identificação de potenciais marcadores glicosídicos associados a alterações malignas em pulmão e bexiga humanas" 2012.
- Mariana Silva "Impacto de antigénios glicosídicos na Imunoterapia aplicada em Cancro de Bexiga" 2010.
- Joana Almeida, "Estudo do efeito antitumoral de pró-fármacos de triazenos em linhas celulares de melanoma" 2010.
- Mylène Carrascal, "Estudo da resposta imunológica desencadeada por células de cancro de bexiga que expressam antigénios sialil-Tn" 2010.
- Ana Rita Piteira, "Identificação e caracterização de actividade de sialiltransferase na superfície celular de células dendríticas". 2009.
- Alexandra Teixeira. Mestrado Integrado em Engenharia Biológica. "Importância do Ácido Siálico na Maturação da Célula Dendrítica e na Indução da Resposta Linfocitária". 2008
- Margarida Lobato Serejo, Co-orientação no âmbito do II Mestrado em Microbiologia Médica, "Detecção de *Legionella spp*. em amostras clínicas por reacção em cadeia da polimerase em tempo real" Universidade Nova de Lisboa. 2008.

Ongoing
- Mauro Monteiro 2014- 2015
- Leonor Rodrigues 2014- 2015
- Márcia Gonçalves 2014- 2015
- Inês Ferreira 2014- 2015

11. PARTICIPATION AS JURI / REVIEWER

International jury of scientific calls and events
- External Evaluator COST (European Cooperation in Science and Technology) Actions 2014
- The Dutch Cancer Society 2013
- Fulbright Comission evaluator 2013
- University of Bologna Doctoral Program reviewer since 2013
- 9th International Symposium on Glycosyltransferases (Glyco-T) 2014
- iMEd Conference - AstraZeneca Innovate Competition- 2014

National jury of scientific calls and events
- Investigador FCT – Fundaçao para a Ciência e Tecnologia
- Jornadas Científicas do Estudante de Medicina (XI JoCEM) 2011

Reviewer of the following journals
-*Biomarkers* (Informa Healthcare, ISSN: 1366-5804) 1354-750X (paper);
-Applied and Environmental Microbiology
-*PLOSOne* (Public Library of Science –PloS-, eISSN-1932-6203);
-*The Journal of Biological Chemistry* (American Society for Biochemistry and Molecular Biology; Print ISSN 0021-9258; Online ISSN 1083-351X);

-International Journal of Microbiology (ISSN: 1687-918X, e-ISSN: 1687-9198, doi:10.1155/IJMB);
-Journal of Immunology (The American Association of Immunologists, Print ISSN: 0022-1767, Online ISSN: 1550-6606);
-Current Drug Targets (ISSN: 1389-4501).

Invited jury in PHD Thesis

1. Julieta Afonso, Universidade do Minho, Escola de Ciências da Saúde. July 15th 2013.
2. Antônia Sâmia Fernandes Do Nascimento , Université Joseph Fourier , Grenoble , France and Universidade Federal do Ceará, 21st February 2014
3. Catarina Gomes "Discovery of novel Biomarkers in gastric cancer based on post translational modifications of glycoproteins" Universidade de Porto December 13th 2013.
4. Joana de Oliveira, "Role of galectin-3 in carcinogenesis and metastasis of canine malignant mammary tumours", IBMC, January 25th 2012.
5. Ana Maria Magalhães. "Characterization of molecular mechanisms relevant for Helicobacter pylori adhesion mediated by glycoconjugates expressed in gastric mucosa.", 18 Outubro 2011.
6. Cláudia Silva Marques. "Actividade Funcional dos Neutrófilos durante a infecção por *Leishmania infantum*. Instituto de Higiene e Medicina Tropical, UNL, 7 de Outubro 2011.
7. Rui Freitas, "Synthetic pathogens for integrated biophysical and genetic dissection of antigen cross-presentation", IMM December 15th 2010.
8. Eda Machado, "Characterization of the glycosylation of human tumor cells", ITQB May 14th 2010.
9. Salomé Soares Pinho, "Molecular Characterization of E-cadherin glycosylation in cancer", IPATIMUP November 2th 2009.

Invited jury in Master Thesis

1. Andreia Miranda, "Biomarker value of O-GalNAc glycans in the therapeutic management of NMIBC" Universidade de Aveiro, July 23th, 2012.
2. Joana Filipa Pires Silva, "Caracterização do potencial citotóxico e mecanismos de acção de um complexo de platina de configuração trans em células animais" Mestrado em Genética Molecular e Biomedicina, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2012.
3. Susana Cristina Piteira Calado, "Nano formulations of triazene analogues with specific affinity to human melanoma" Mestrado Biologia Molecular em Saúde e da Escola Superior de Saúde Egas Moniz, Lisboa, 2012.
4. Inês Tadeu, "Functional and therapeutical implications of ligand recognition by the scavenger-like lymphocyte receptors CD5 and CD6", Mestrado em Genética Molecular e Biomedicina, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2012.
5. Diana Campos, "Biomarkers for early detection of gastric cancer based on autoantibodies signatures", Universidade do Porto 2010.
6. Filipa Ferreira, "Quantification of T cell responses to HTLV-1: balance of inflammatory and antiviral effects", Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2009.

7. Paulo Severino, “Nanossondas de Ouro Coloidal para Detecção/Quantificação Directa de mRNA”, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2009.
8. Mª Manuela Correia, “Caracterização molecular de isolados clínicos do complexo de *Burkholderia cepacia* obtidos de doentes com fibrose quística, Instituto Superior Técnico, Universidade Técnica de Lisboa, 2008.
9. Dalila Madeira Nascimento Mil-Homens, “Analysis of DNA repeats in the complete genome sequence of *Burkholderia cenocepacia* strain J2315 reveals the presence of novel putative virulence genes”, Instituto Superior Técnico, Universidade Técnica de Lisboa, 2007.
10. Catarina Maria Roma Rodrigues, “Análise quantitativa do proteoma membranar de *Pseudomonas putida* KT2440 em resposta ao stresse por fenol”, Instituto Superior Técnico, Universidade Técnica de Lisboa, 2007.

Scientific Meetings
Jornadas Científicas do Estudante de Medicina (XI JoCEM), 19, 20 e 21 de Novembro 2011, Centro de Congressos da Secção Regional do Norte da Ordem dos Médicos.

12. PUBLICATIONS

List of five most relevant publications during the last five years
1. Carrascal MA, Severino P, Cabral MG, Silva M, Ferreira JA, Quinto H, Pen C, D. Ligeiro, LL Santos, Dall'Olio F, **Videira PA**. Sialyl Tn-expressing bladder cancer cells induce a tolerogenic phenotype in innate and adaptive immune cells. *Molecular Oncology* 8: 753–765. http://dx.doi.org/10.1016/j.molonc.2014.02.008.
2. Silva Z, Konstantopoulos K, **Videira PA**. 2011. The Role of Sugars in Dendritic Cell Trafficking. Annals of Biomedical Engineering (invited review, Special Issue). 40:777-89 (doi: 10.1007/s10439-011-0448-5).
3. Silva Z, Tong Z, Cabral MG, Martins C, Castro R, Reis C, Trindade H, Konstantopoulos K, **Videira PA**. 2011. Sialyl Lewis(x)-dependent binding of human monocyte-derived dendritic cells to selectins. Biochem Biophys Res Commun 409:459-64.
4. Cabral MG, Piteira AR, Ligeiro D, Silva Z, Brossmer R, **Videira PA**. 2010. Human dendritic cells contain cell surface sialyltransferase activity. *Immunol Lett* 131:89-96 (doi:10.1016/j.imlet.2010.02.009).
5. Crespo HJ, Cabral MG, Teixeira AV, Lau JTY, Trindade H. **Videira** PA, 2009. Effect of sialic acid loss on dendritic cell maturation. Immunology. 128: e621-31 (doi:10.1111/j.1365-2567.2009.03047.x).

Articles in scientific periodicals with referees

1. Ferreira V, Reis CA, Perez S, Rauter AP, **Videira PA**. 2014 Meeting report on EMBO Workshop: Glycobiology and glycochemistry, applications to human health and disease. Glycobiology. 24:782-3. doi: 10.1093/glycob/cwu070.
2. Crespo H, Lau J, **Videira PA** Dendritic Cells: a Spot on Sialic Acid. Front Immunol. 2013 Dec 27;4:491. eCollection 2013. DOI:10.3389/fimmu.2013.00491.

3. Carrascal MA, Severino P, Cabral MG, Silva M, Ferreira JA, Quinto H, Pen C, D. Ligeiro, LL Santos, Dall'Olio F, **Videira PA**. 2014 Sialyl Tn-expressing bladder cancer cells induce a tolerogenic phenotype in innate and adaptive immune cells. *Molecular Oncology*. 8:753-65 http://dx.doi.org/10.1016/j.molonc.2014.02.008.
4. Lima L, Severino PF, Silva M, Miranda A, Tavares A, Pereira S, Fernandes E, Cruz R, Amaro T, Reis CA, Dall'Olio F, Amado F, **Videira PA**, Santos L, Ferreira JA. Response of high-risk of recurrence/progression bladder tumours expressing sialyl-Tn and sialyl-6-T to BCG immunotherapy. Br J Cancer. 2013 Oct 15;109(8):2106-14. doi: 10.1038/bjc.2013.571
5. Bugalho A, Martins C, Dias SS, Nunes G, Silva Z, Correia M, Marques Gomes MJ, **Videira PA**. 2013 Cytokeratin 19, Carcinoembryonic Antigen, and Epithelial Cell Adhesion Molecule Detect Lung Cancer Lymph Node Metastasis in Endobronchial Ultrasound-Guided Transbronchial Aspiration Samples. *Clin Lung Cancer*. 2013. doi:pii: S1525-7304(13)00132-0. 10.1016/j.cllc.2013.06.004.
6. Lima L, Ferreira JA, Tavares A, Oliveira D, Morais A, **Videira PA**, Medeiros R, Santos L. 2013 FASL polymorphism is associated with response to bacillus Calmette-Guérin immunotherapy in bladder cancer. Urol Oncol. 12. doi:pii: S1078-1439(13)00209-3. 10.1016/j.urolonc.2013.05.009.
7. Bugalho A, Ferreira D, Eberhardt R, Dias SS, **Videira PA**, Herth FJ, Carreiro L. 2013 Diagnostic value of endobronchial and endoscopic ultrasound-guided fine needle aspiration for accessible lung cancer lesions after non-diagnostic conventional techniques: a prospective study. BMC Cancer. 13:130
8. Lima FA, Gómez-Conde I, **Videira PA**, Marinho CR, Olivieri DN, Tadokoro CE. 2013 Intravital microscopy technique to study parasite dynamics in the labyrinth layer of the mouse placenta. Parasitol Int. doi:pii: S1383-5769(13)00088-3. 10.1016/j.parint.2013.06.012.
9. Silva A, Luís D, Santos S, Silva J, Mendo AS, Coito L, Silva TF, da Silva MF, Martins LM, Pombeiro AJ, Borralho PM, Rodrigues CM, Cabral MG, **Videira PA**, Monteiro C, Fernandes AR. Biological characterization of the antiproliferative potential of Co(II) and Sn(IV) coordination compounds in human cancer cell lines: a comparative proteomic approach. Drug Metabol Drug Interact. 2013 26:1-10. doi: 10.1515/dmdi-2013-0015.
10. Ferreira JA, **Videira PA***, Lima L, Pereira S, Silva M, Carrascal M, Severino PF, Fernandes E, Almeida A, Costa C, Vitorino R, Amaro T, Oliveira MJ, Reis CA, Dall'Olio F, Amado F, Lara Santos L. Overexpression of tumour-associated carbohydrate antigen Sialyl-Tn in advanced bladder tumours. Mol Oncol. 2013; 7:719-31. (*co-first autor)
11. Monteiro AS, Almeida J, Cabral G, Severino P, **Videira PA**, Sousa A, Nunes R, Pereira JD, Francisco AP, Perry MJ, Mendes E. 2013 Synthesis and evaluation of N-acylamino acids derivatives of triazenes. Activation by tyrosinase in human melanoma cell lines. *Eur J Med Chem*. 70:1-9 (doi: 10.1016/j.ejmech.2013.09.040).
12. Julien S, **Videira PA**, Delannoy P. 2012 Sialyl-Tn in Cancer: (How) Did We Miss the Target? Biomolecules 2, 435-466; doi:10.3390/biom2040435 http://www.mdpi.com/2218-273X/2/4/435
13. Cabral MG, Silva Z, Ligeiro D, Seixas E. Crespo H, Carrascal M, Silva M, Piteira AR, Paixão P, Lau JTY, **Videira PA**. 2013 The phagocytic capacity and immunological potency of human dendritic cells is improved by α2,6-sialic acid deficiency. Immunology, 138:235-45. doi: 10.1111/imm.12025. http://www.ncbi.nlm.nih.gov/pubmed/23113614

14. Silva Z, Konstantopoulos K, **Videira PA**. 2012. The Role of Sugars in Dendritic Cell Trafficking. Annals of Biomedical Engineering (invited review, Special Issue). 40:777-89. doi: 10.1007/s10439-011-0448-5.

15. Afonso RA, Fernandes AB, Santos C, Ligeiro D, Ribeiro RT, Lima IS, Patarrao RS, **Videira PA**, Caldeira J, Macedo MP. 2012 Postprandial insulin resistance in zucker diabetic fatty rats is associated with parasympathetic-no axis deficiencies. J Neuroendocrinol. 24:1346-55. doi: 10.1111/j.1365-2826.2012.02341.x.

16. Lima L, Silva J, Amaro T, Morais A, Lopes C, Medeiros R, **Videira PA**, Santos L. IL-4 and TNF-α Polymorphisms Are Associated with Risk of Multiple Superficial Tumors or Carcinoma in situ Development Urol Int. 2011 ;87(4):457-63.

17. Silva Z, Tong Z, Cabral MG, Martins C, Castro R, Reis C, Trindade H, Konstantopoulos K, **Videira PA**. 2011. Sialyl Lewis(x)-dependent binding of human monocyte-derived dendritic cells to selectins. Biochem Biophys Res Commun 409:459-64.

18. Paixão P, Almeida S, **Videira PA**, Ligeiro D, Marques T. 2012. Screening of congenital cytomegalovirus infection by real-time PCR in urine pools. *Eur J Pediatr*. 171:125-9.

19. Fernandes AB, Patarrão RS, **Videira PA**, Macedo MP. 2011. Understanding Postprandial Glucose Clearance by Peripheral Organs: The Role of the Hepatic Parasympathetic System. J Neuroendocrinol. (doi: 10.1111/j.1365-2826.2011.02226).

20. **Videira PA**, Piteira AR, Cabral MG, Martins C, Correia M, Severino P, Gouveia H, Trindade H, Santos LL. 2011 Effects of bevacizumab on autocrine VEGF stimulation in bladder cancer cell lines. *Urol Internationalis* 86: 95-101.

21. Cabral MG, Piteira AR, Ligeiro D, Silva Z, Brossmer R, **Videira PA**. 2010. Human dendritic cells contain cell surface sialyltransferase activity. *Immunol Lett* 131:89-96 (doi:10.1016/j.imlet.2010.02.009).

22. **Videira PA**, Correia M, Malagolini N, Crespo HJ, Ligeiro D, Calais FM, Trindade H, Dall'Olio F. 2009. ST3Gal.I sialyltransferase relevance in bladder cancer tissues and cell lines. *BMC Cancer* 9:357.

23. Borrego LM, Arroz MJ, **Videira** PA, Martins C, Guimarães H, Trindade H. 2009. Regulatory cells, cytokine pattern and clinical risk factors for asthma in infants and young children with recurrent wheeze. *Clinical Experimental Allergy* 39:1160–1169 (10.1111/j.1365-2222.2009.03253.x).

24. **Videira** PA, Calais FM, Correia M, Ligeiro D, Crespo HJ, Calais F, Trindade H, 2009. Efficacy of BCG immunotherapy predicted by the expression of antigen presenting molecules and chemokines. *Urol*ogy. 74:944-950 (doi:10.1016/j.urology.2009.02.053).

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<u>Congress communications</u>

1. Oral communications

a) By invitation

1. Videira PA “The importance of glycosylation from an immunologic point of view”. The 1st World Conference on Congenital Disorders of Glycosylation for Families and Professionals. 31 August -2 September 2013, Barcelona, Spain.
2. Videira PA Elucidation of glycan functions to improve anti-tumour cell-based vaccines 17th European Carbohydrate Symposium (Eurocarb 17) 7-11 July, 2013, in Tel Aviv, Israel.
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4. Videira PA. 2010. “Thomsen Friedenreich antigens in bladder cancer” Annual Conference of the Society for Glycobiology - CFG Workshop / Annual Participating Investigators Meeting, St Pete Beach, FL, USA.
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6. Videira PA. 2008. O papel da genética na resposta do carcinoma da bexiga à imunoterapia. X Workshop de Urologia Oncológica.
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8. Videira PA. 2007 Aberrant glycosylation associated to bladder cancer: evaluation of prognostic value. VII Workshop de Urologia Oncológica.
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b) Other oral comunications

- Gouveia H, Carrascal MA, Crespo HJ, Cabral MG, Videira PA. 2010. Enhanced sialylation of surface antigens on bladder cancer cell lines induces dendritic cell immune tolerance in vitro. Plenary presentation during Oncology & Molecular Biology session, V YES – Young European Scientist – Meeting, Porto, Portugal.
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- Fernandes AB, **Videira PA**, Guarino MP, Ribeiro R, Afonso RA, Macedo MP. - “Relevância da Actividade e Expressão do Sintase de Monóxido de Azoto na Obesidade e na Idade” 8º Congresso Português de Diabetes; Fevereiro 2008; Vilamoura Portugal;

- Fernandes AB, Afonso RA, **Videira PA**, Ligeiro D, Lautt WW, Macedo MP- "Role of hepatic nitric oxide and hepatic glutathione on a high fat diet induced obese insulin resistance animal"; XXXVIII Reunião Anual da Sociedade Portuguesa de Farmacologia e XXIIIV Reunião de Farmacologia Clínica; Faculdade de Medicina UL; Dezembro 2008.
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2. Posters

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3. Cabral MG, Silva Z , Ligeiro D, Seixas E, Videira PA. 2011. DESIALYLATION IMPROVES PHAGOCYTOSIS BY HUMAN DENDRITIC CELLS. Glycosciences in The International Year of Chemistry- Applications to Human Health and Disease, Lisbon, Portugal.
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Submission of sequence data to GenBank

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