

CURRICULUM VITAE (mini)

Name: Maria de São José Garcia Alexandre

(in publications: Nascimento MSJ)

Place and date of birth: Lisbon, 19 / 03 / 1958

Institutional address: Faculdade de Farmácia da Universidade do Porto (FFUP)

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Academic degrees, fields of study, awarding institutions, dates

- 2004 “Agregação” (Microbiology), FFUP
- 1995 PhD in Pharmacy (Microbiology), FFUP
- 1985 Proofs of Pedagogic Ability and Scientific Capacity (Microbiology), FFUP
- 1981 Graduation in Pharmacy, Faculty of Pharmacy, University of Lisbon (FFUL)

Present positions

- 2006 - “Professor Catedrático” (Full Professor), Laboratory of Microbiology, FFUP
- 2006 - Head of the Laboratory of Microbiology, Department of Biological Sciences, FFUP
- 2010 - Director of the Master in Clinical Analysis, FFUP

Other Positions in Academia

- 2014 - Membro Conselho Consultivo do Instituto de Saúde Pública da Universidade do Porto
- 2010 - Membro Comissão Científica do Programa Doutoral em Segurança e Saúde Ocupacionais, UP
- 2010- Membro Direcção da Escola de Ciências da Vida e da Saúde da Universidade do Porto

Positions in Scientific and Professional Societies

- 2013 - Portuguese delegate of the Council of the European Society of Clinical Virology (ESCV)
- 2013 - Vogal da Direcção da Sociedade Portuguesa de Virologia

Main areas of teaching

Teacher of the Laboratory of Microbiology of FFUP since 1982.
Virology classes for master students of Pharmacy,
Clinical Virology for master students in Clinical Analysis
Environmental and Food Virology for master students in Quality Control
The average teaching activity has been 9,90 hours classes/week .

Supervisor and co-supervisor experience (last 10 years)

Advisor and co-advisor of 9 PhD and 18 master students

Member of Investigation Research Centers

Member of CIBIO-Inbio, Group of Immunogenetics, Microbes and Co-Evolution.

Scientific area of research

Present research interests:

- i) Clinical Virology - epidemiology of human viral diseases.
- ii) Environmental and Food Virology- detection of human enteric pathogenic virus in environmental water samples and food (shellfish).
- iii) Surveillance and molecular epidemiology of animal viruses - molecular, epidemiologic and pathogenic aspects and its zoonotic potential.
- iv) Antiviral Drug Discovery- discovery of novel molecules against enteric virus (norovirus) and characterization of their mechanism of action.

Publications in International peer-reviewed journals (total 98)

More relevant papers in the last 5 years

- Mesquita JR, Barclay L, Nascimento MSJ, Vinjé J. (2010) Novel norovirus in dogs with diarrhea. *Emerging Infectious Diseases*. 16 (6): 980-982.
- Gonçalves G, Gouveia E, Mesquita JR, Almeida A, Ribeiro A, Pereira J, Nascimento MSJ (2011) Outbreak of acute gastroenteritis caused by adenovirus type 41 in a kindergarten *Epidemiology and Infection*. 15:1-4.
- Mesquita JR, Vaz L, Cerqueira S, Castilho F, Santos R, Monteiro S, Manso CF, Romalde JL, Nascimento MSJ. (2011) Norovirus, hepatitis A virus and enterovirus presence in shellfish from high quality harvesting areas in Portugal. *Food Microbiology*. 28: 936-941.
- Wyn-Jones P, Carducci A, Cook N, D'Agostino M, Divizia M, Fleischer J, Gantzer C, Gawler A, Girones R, Holler C, de Roda Husman AM, Kay D, Kozyra I, Lopez-Pila J, Muscillo M, Nascimento MSJ.....Wyer M. (2011) Surveillance of adenoviruses and noroviruses in European recreational waters. *Water Research*. 45 (3)1025-1038.
- Rodríguez-Lázaro D, Cook N, Ruggeri FM, Sellwood J, Nasser A, Nascimento MS, D'Agostino M, Santos R, Saiz JC, Rzeżutka A, Bosch A, Gironés R, Carducci A, Muscillo M,van der Poel WH (2012) Virus hazards from food, water and other contaminated environments. *FEMS Microbiol Rev*. 36 (4) 786-814.
- Berto A, Baker JA, Mesquita JR, Nascimento MSJ, Banks M, Martelli F, Ostanello F, Angeloni G, Ruggeri FM, Bartolo I, Vasickova P, Diez-Valcarce M, Hernandez M, Rodriguez-Lazaro D, van der Poel WHM. (2012) Prevalence and transmission of hepatitis E virus in domestic swine populations in different European countries. *BMC Research Notes* 5: 190.
- Berto A, Mesquita JR, Hakze-van der Honing R, Nascimento MSJ, van der Poel WH (2012) Detection and characterization of hepatitis E virus in domestic pigs of different ages in Portugal. *Zoonoses and Public Health* 59, (7) 477–481.
- Mesquita JR, Nascimento MS. (2012) Molecular epidemiology of canine norovirus in dogs from Portugal, 2007-2011. *BMC Vet Res*. 8(1):107.
- Rocha-Pereira J, Jochmans D, Dallmeier K, Leyssen P, Nascimento MSJ, Neyts J. (2012) Favipiravir (T-705) inhibits in vitro norovirus replication". *Biochem Biophys Res Commun*. 424 (4): 777-780.
- Mesquita JR, Nascimento MSJ (2012) Serosurvey of veterinary conference participants for evidence of zoonotic exposure to canine norovirus - study protocol. *Virology Journal*. 9 :250 .
- Rocha-Pereira J, Jochmans D, Dallmeier K, Leyssen P, Cunha R, Costa I, Nascimento MSJ, Neyts J (2012) Inhibition of norovirus replication by the nucleoside analogue 2'-C-methylcytidine. *Biochem Biophys Res Commun*. 427(4): 796-800.
- Pereira C, Lopes E, Mesquita JR, Nascimento MSJ, Saraiva L. (2012) Production and purification of the VP1 capsid protein of a novel canine norovirus using the *Saccharomyces cerevisiae* expression system. *Journal Microbiological Methods*, 91 (3) 358-360.
- Mesquita JR, Conceição-Neto N, Valente-Gomes G, Gonçalves G, Nascimento MSJ. (2013) Antibodies to hepatitis E virus in Portuguese mothers and their newborns *J Med Virol*. 85 (8):1377-8.
- Mesquita JR, Costantini VP, Cannon JL, Lin S-C, Nascimento MSJ, Vinje J (2013) Presence of antibodies against genogroup VI norovirus in humans. *Virology Journal* 10:176.
- Santos L, J R Mesquita, N Rocha Pereira, C Lima-Alves, R Serrão, P Figueiredo, J Reis, J Simões, Nascimento MS, A Sarmiento. (2013). Acute hepatitis e complicated by Guillain-Barré syndrome in Portugal, December 2012 – A case report. *Eurosurveillance* 18 (34) pii: 20563
- Rocha-Pereira J, Jochmans D, Debing Y, Verbeken E, Nascimento MSJ, Neyts J (2013) The viral polymerase inhibitor 2'-C-methylcytidine inhibits Norwalk virus replication and protects against norovirus-induced diarrhea and mortality in a mouse model. *Journal of Virology* 87(21):11798-11805.
- Mesquita JR, Valente-Gomes G, Conceição-Neto N, Nascimento MSJ (2014) Pet veterinarians have no increased risk of hepatitis E compared to the general population. *J Med Virol*. 86 (6):954-6.
- Ng TFF, Mesquita JR, Nascimento MSJ, Kondov NO, Wong W, Reuter G, Knowles NJ, Vega E, Esona MD, Deng X, Vinjé J, Delwart E. (2014) Feline fecal virome reveals novel and prevalent enteric viruses. *Vet Microbiol*. 171 (1-2):102-11.

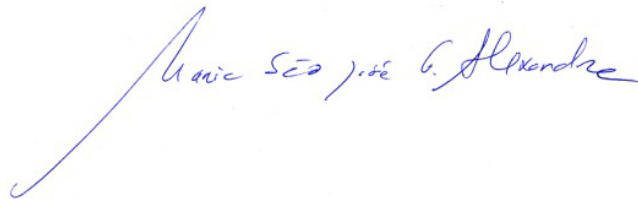
- Mesquita JR, Delgado I, Costantini V, Heenemann K, Vahlenkamp TW, Vinjé J, **Nascimento MSJ (2014)** Seroprevalence of canine norovirus in 14 European countries. *Clin Vaccine Immunol.* 21(6):898-900.
- Rocha-Pereira J, **Nascimento MS**, Ma Q, Hilgenfeld R, Neyts J, Jochmans D **(2014)**. The enterovirus protease inhibitor rupintrivir exerts broad-spectrum anti-norovirus activity and clears cells from the norovirus replicon *Antimicrob Agents Chemother.* 58 (8):4675-81.
- Breda F, Cochicho J, Mesquita JR, Bento A, Louro E, **Nascimento MSJ**, Cipriano MA, Leitão J, Gomes HV, Carvalho A **(2014)** First report of chronic hepatitis E in renal transplant recipients in Portugal. *J Infect Dev Ctries* 8 (12):1639-1642.
- Mesquita JR, **Nascimento MSJ (2014)** Norovirus GII.4 antibodies in the Portuguese population. *J. Infect Dev Ctries* 8(9):1201-1204.
- Mesquita JR, Costa I, Oleastro M, Conceição-Neto N, **Nascimento MSJ. (2014)** First report of a norovirus outbreak caused by the new variant Sydney 2012 in Portugal. *J Infect Dev Ctries* 8 (10):1350-1352.
- Mesquita JR, Oliveira RM, Coelho C, Vieira-Pinto M, **Nascimento MSJ. (2014)** Hepatitis E virus in sylvatic and captive wild boar from Portugal. *Transbound Emerg Dis.* Nov 18. doi: 10.1111/tbed.12297. [Epub ahead of print]
- Lopes-João A, Costa I, Mesquita JR, Oleastro M, Penha-Gonçalves C, **Nascimento MSJ. (2015)** Multiple enteropathogenic viruses in a gastroenteritis outbreak in a military exercise of the Portuguese Army. *J Clin Virol.* 68:73-5.
- Gonçalves G, Frade J, Nunes C Mesquita JR, **Nascimento MSJ (2015)**. Persistence of measles antibodies, following changes in the recommended age for the second dose of MMR-vaccine in Portugal. *Vaccine.* 33 (39):5057-5063.
- Costa I, Mesquita JR, Veiga E, Oleastro M, **Nascimento MSJ (2015)** Surveillance of norovirus in Portugal and the emergence of the Sydney variant, 2011-2013. *J Clin Virol* 70 :26-28.
- Mesquita JR, Hakze-van der Honing R, Almeida A, Lourenço M, van der Poel WH, **Nascimento MSJ (2015)** Outbreak of Porcine Epidemic Diarrhea Virus in Portugal, 2015. *Transbound Emerg Dis.* 62(6):586-588.
- Mesquita JR, Abreu-Silva J, Sousa JC, Aguiar A, Nascimento MSJ **(2015)** Evidence of autochthonous hepatitis E in a Portuguese pediatric cohort, 1992-1995 *J Med Virol.* Oct 23. doi: 10.1002/jmv.24414. [Epub ahead of print]
- Mesquita JR, Myrmet M, Stene-Johansen K, Øverbø J, **Nascimento MS (2016)** A Public Health initiative on hepatitis E virus epidemiology, safety and control in Portugal - study protocol *BMC Infect Dis.* 16(1):17.
- Esteves F, Mesquita JR, Vala H, Abreu-Silva J, van der Poel WH, **Nascimento MS (2016)** Serological Evidence for Schmallenberg Virus Infection in Sheep of Portugal, 2014. *Vector Borne Zoonotic Dis.* 16(1):63-65.

Book Chapters

- **Nascimento MSJ. (2014)**. Coronavírus e Norovírus. In: *Microbiologia Médica 2*. Editores: Helena Barroso, A. Meliço-Silvestre e Nuno Taveira. LIDEL, EdiçõesTécnicas, Lda. pp. 199-209 (Portuguese book)
- **Nascimento MSJ. (2014)**. Reovírus. In: *Microbiologia Médica 2*. Editores: Helena Barroso, A. Meliço-Silvestre e Nuno Taveira. LIDEL, EdiçõesTécnicas, Lda. pp. 162-173 (Portuguese book)
- Lima RT, **Nascimento MSJ**, Vasconcelos MH **(2013)** EBV-associated cancers: Strategies for targeting the virus In: "Microbial pathogens and strategies for combating them: science, technology and education" A. Mendez-Vilas, Ed. Formatex pp. 1608-1618 (English book)
- Rocha-Pereira J, **NascimentoMSJ. (2012)**. Targeting norovirus: strategies for the discovery of new antiviral drugs. In: " Antiviral Drugs – Aspects of Clinical Use and Recent Advances" Edit Patrick Arbuthnot. INTECH pp121-150 (ISBN 978-953-51-0256-4) (English book)
- Mesquita J, Santos N, Vaz L, Cerqueira S, Burri S, Pombal F, Castilho F, **Nascimento MSJ. (2009)** Norovirus contamination of bivalves from the North of Portugal: an approach study. In: Foro dos Recursos Marinhos e da Acuicultura das Rias Galegas. Editores: Manuel Rey Mendez, Jacobo Fernandez Casal, César Lodeiros Seijo e Alejandro Guerra Diaz. pp. 533-542. (Spanish book)
- **Nascimento MSJ. (2002)**. Reovírus e Rotavírus. In: *Microbiologia*. Volume III. Editores: Wanda Ferreira e João Carlos Figueiredo de Sousa. LIDEL, EdiçõesTécnicas, Lda. pp. 239-246. (Portuguese book)

- **Nascimento MSJ.** (2002). Coronavírus. In: *Microbiologia*. Volume III. Editores: Wanda Ferreira e João Carlos Figueiredo Sousa. LIDEL, Edições Técnicas, Lda. pp. 221-225. (Portuguese book)

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