

Curriculum Vitae

Natércia Maria da Silva Conceição

PERSONAL INFORMATION:

Surname: Conceição

First Names: Natércia Maria da Silva

Birth, Date & Place: 14 October 1971, Loulé, Portugal

Nationality: Portuguese

Filiation: Armando Correia da Conceição
Rita Guerreiro da Silva

Marital Status: Married

Work Address: University of Algarve/CCMAR
Campus de Gambelas, 8005-139 Faro
email: nconcei@ualg.pt
Telephone: +351 289800057
Fax: +351.289.800 069

Home Address: Rua Diogo Lobo Pereira,
n. 6, 3º esq, 8100-558 Loulé
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EDUCATION:

1997-2002 Ph.D. on Molecular Biology, under the theme: *Control of genetic expression of Matrix Gla protein: comparative studies in fish and amphibians*, University of Algarve, under the supervision of Prof. Leonor Cancela (University of Algarve/CCMAR) and Prof. Roland Schüle (University of Freiburg, Germany)

1994-1998 Master Degree in Cellular Biology, under the theme: *Mutations and genetic instability in colorectal carcinoma*, Faculty of Science and Technology, University of Coimbra, Portugal. Final grade obtained: very good, under the supervision of Prof. Fernando Regateiro (Faculty of Medicine, University of Coimbra)

1992-1993 Honors Project on *Detection of nm23 gene in breast cancer*, Faculty of Medicine, University of Coimbra, Portugal. Grade: 19/20, under the supervision of Prof. Fernando Regateiro

1989-1993 B.Sc. Degree in Biology (Scientific Area, 5 years academic degree); Faculty of Science and Technology, University of Coimbra, Portugal. Grade: 15/20

POSITIONS:

2012- present Invited Assistant Professor, University of Algarve, Portugal

2015-present Postdoctoral Researcher at the BIOSKEL - Comparative, adaptive and functional skeletal biology Lab of the Centre of Marine Sciences (CCMAR), Faro, Portugal, under the supervision of Prof. Leonor Cancela

2009-2015 Postdoctoral Researcher at the EDGE - Molecular Biology of Marine Organisms Lab of the Centre of Marine Sciences (CCMAR), Faro, Portugal, under the supervision of Prof. Leonor Cancela and Dr. Cymon C. Cox (CCMAR)

2003-2009 Postdoctoral Researcher at the EDGE - Molecular Biology of Marine Organisms Lab of the Centre of Marine Sciences (CCMAR), Faro, Portugal, under the supervision of Prof. Leonor Cancela

2005-2006 Invited Assistant Professor, University of Algarve, Portugal

2000-2001 Invited Assistant, University of Algarve, Portugal

1998-2000/2001-2002 Ph.D. student, University of Algarve, Portugal

1997 Research fellow, University of Algarve, Portugal

1994-1996 MSc student, Division of Medical Genetics, Faculty of Medicine, University of Coimbra, Portugal

1992-1993 Undergraduate researcher in training, Division of Medical Genetics, Faculty of Medicine, University of Coimbra, Portugal

FELLOWSHIPS, HONOURS AND AWARDS:

Academic Fellowships

Postdoctoral fellowship, attributed to the theme: *Functional analysis of OPTN and SQSTM1 mutations in Paget's disease of bone*. SFRH/BPD/111898/2015, FCT, Portugal (2015-2018)

Postdoctoral fellowship, attributed to the theme: *Characterization of the transcriptional regulation of cartilage-expressed genes using zebrafish as model system*. SFRH/BPD/48206/2008, FCT, Portugal (2009-2015)

Postdoctoral fellowship, attributed to the theme: *Identification and molecular characterization of nuclear factors responsible for modulation of matrix Gla protein gene expression in Xenopus laevis*. SFRH/BPD/9451/2002, FCT, Portugal (2003-2009)

Ph.D. fellowship, attributed to the theme: *Control of genetic expression of Matrix Gla protein: comparative studies in fish and amphibians*. PRAXIS XXI /BD/11567/97, FCT, Portugal (1998-2000, 2001-2002)

Master degree fellowship, attributed to the theme: *Mutations and genetic instability in colorectal carcinoma*. PRAXIS XXI/BM/1059/94, JNICT, Portugal (1995-1997)

Honors

Honorable Mention for Best Scientific Work, attributed to the work: *Characterization of a Xenopus laevis bone derived cell line, XI, capable of mineralizing in vitro*, presented by M Viegas, N **Conceição**, J Fidalgo, L Cancela in the MICRO'07 BIOTEC'07-XXXIII JPG Congress, Lisbon, Portugal, 30 Nov. - 2 December, **2007**

International Travel Awards

FEBS Bursary, given by the Federation of European Biochemical Societies to attend the 32nd FEBS Congress, Vienna, Austria, 7-12 July, **2007**

PUBLICATIONS:

Thesis:

Conceição N (2002) *Control of genetic expression of Matrix Gla protein: comparative studies in fish and amphibians*. Ph.D. Thesis. Faculty of Marine and Environmental Sciences, University of Algarve, Portugal

Conceição N (1997) *Mutations and Genetic Instability in colorectal carcinoma*. M.Sc. Thesis. Faculty of Science and Technology, University of Coimbra, Portugal

Conceição N (1993) *Detection of the nm23 gene in breast cancer*. B.Sc. Thesis. Faculty of Science and Technology, University of Coimbra, Portugal

International Peer-reviewed Journals:

Citation metrics:

- ResearcherID: Thomson *h*-index: 7 (Times cited: 126)

www.researcherid.com/rid/F-1737-2011

- Google Scholar: *h*-index: 9 (Times cited: 195)

- Scopus: *h*-index: 8 (Times cited: 155)

orcid.org/0000-0002-5057-0912

- 24 original articles (authorship: 12 first (co-first), 11 senior (corresponding), 7 second, 1 other)

(*Co-first author, #Corresponding author, IF: impact factor)

2016

- 01** C Fazenda, G Martins, PJ Gavaia, ML Cancela, **N Conceição[#]**, *Generation and characterization of zebrafish transgenic lines overexpressing a heat-shock mediated Gla-rich protein*. J. Appl. Ichthyol., in press

- 02** Vitorino M, Conceição N, Cancela ML, *Zebrafish as a model to study bone diseases associated with Rett syndrome*. Appl. Ichthyol., in press

- 03** DM Tiago, **N Conceição**, H Caiado, V Laizé, ML Cancela (2016), *Matrix Gla protein repression by miR-155 promotes oncogenic signals in breast cancer MCF-7 cells*. FEBS Letters, 590, 1234-1241. <http://dx.doi.org/10.1002/1873-3468.12155>

Journal metrics: (2015: IF: 4.237. Category: Cell Biology, Quartile Q2; Category: Genetics, Quartile Q1; Category: Biophysics, Quartile Q1; Category: Biochemistry, Quartile Q1; Category: Molecular Biology, Quartile Q2; Category: Structural Biology, Quartile Q2. 1 citation)

- 04** E Correia, **N Conceição**, ML Cancela, JA Belo (2016), *Matrix Gla Protein expression pattern on the early avian embryo*. Int. J. Dev. Biol. 60, 71-76. <http://dx.doi.org/10.1387/ijdb.150365jb>

Journal metrics: (2015: IF: 1.903. Category: Developmental Biology, Quartile Q2; Category: Embryology, Quartile Q2. 0 citations)

- 05** A Adrião, **N Conceição[#]**, ML Cancela[#] (2016), *MEF2C orthologues from zebrafish: evolution, expression and promoter regulation*. Arch. Biochem. Biophys, 591, 43-56. <http://dx.doi.org/10.1016/j.abb.2015.12.004>

Journal metrics: (2015: IF: 3.12. Category: Biochemistry, Quartile Q1; Category: Biophysics, Quartile Q1; Category: Molecular Biology, Quartile Q2. 0 citations)

2015

- 06** C Fazenda, **N Conceição[#]**, ML Cancela[#] (2015), *Transcription factors from Sox family regulate expression of zebrafish Gla-rich protein 2 gene*. Gene, 572, 57-62. <http://dx.doi.org/10.1016/j.gene.2015.06.079>

Journal metrics: (IF: 2.319. Category: Genetics, Quartile Q2. 1 citation)

- 07** IAL Silva*, **N Conceição*[#]** (2015), *Cloning, characterization and analysis of the 5' regulatory region of zebrafish xpd gene*. Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology, 185, 47-53. <http://dx.doi.org/10.1016/j.cbpb.2015.04.003>

Journal metrics: (IF: 1.651. Category: Medicine, Quartile Q2. 1 citation)

- 08 B Simões*, N Conceição*, AC Matias, J Bragança, RN Kelsh, ML Cancela (2015) *Molecular characterization of CBF β Gene and identification of new transcription variants: Implications for function*. Arch. Biochem. Biophys. 567, 1-12. <http://dx.doi.org/10.1016/j.abb.2014.12.023>

Journal metrics: (IF: 3.12. Category: Biochemistry, Quartile Q1, Category: Molecular Biology, Quartile Q2; Category: Biophysics, Quartile Q1. 0 citations)

2014

- 09 ML Cancela*, V Laizé*, N Conceição* (2014) *Matrix Gla protein and osteocalcin: from gene duplication to neofunctionalization*. Arch. Biochem. Biophys. (special issue) 561, 56-63. <http://dx.doi.org/10.1016/j.abb.2014.07.020>

Journal metrics: (IF: 3.017; Category: Biochemistry, Quartile Q1, Category: Molecular Biology, Quartile Q2; Category: Biophysics, Quartile Q1. 9 citations)

- 10 B Simões*, N Conceição[#], RN Kelsh, ML Cancela (2014) *Identification of cis-regulatory elements in the upstream regions of zebrafish runx3 gene through an in silico analysis: implications for function*. J. Appl. Ichthyol. 30, 661–670. <http://dx.doi.org/10.1111/jai.12536>

Journal metrics: (IF: 0.867; Category: Aquatic Science, Quartile Q2. 1 citation)

- 11 IAL Silva, N Conceição[#], L Michou, ML Cancela[#] (2014) *Can zebrafish be a valid model to study Paget's disease of bone?* J. Appl. Ichthyol. 30, 678–688. <http://dx.doi.org/10.1111/jai.12523>

Journal metrics: (IF: 0.867; Category: Aquatic Science, Quartile Q2. 4 citation)

- 12 IAL Silva, CJ Cox, RB Leite, ML Cancela, N Conceição[#] (2014) *Evolutionary conservation of TFIIH subunits: implications for the use of zebrafish as a model to study TFIIH function and regulation*. Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology, 172-173C, 9-20 <http://dx.doi.org/10.1016/j.cbpb.2014.03.007>

Journal metrics: (IF: 1.551; Category: Medicine, Quartile Q2. 4 citations). Referred in ZFIN publication page: http://zfin.org/cgi-bin/ZFIN_jump?record=ZDB-PUB-140513-148

2013

- 13 N Conceição[#], M Viegas*, J Fidalgo, ML Cancela (2013) *Development and characterization of XII, a Xenopus laevis chondrocyte-like cell culture*. Mol. Cell. Biochem. 373, 41-51. <http://dx.doi.org/10.1007/s11010-012-1473-x>

Journal metrics: (IF: 2.388; Category: Cell Biology, Quartile Q3; Category: Clinical Biochemistry, Quartile Q2; Category: Molecular Biology, Quartile Q3. 1 citation). Referred in XENBASE publication page: www.xenbase.org/literature/article.do?method=display&articleId=46079

2012

- 14 L Michou, N Conceição, J Morissette, E Gagnon, G Miltenberger-Miltenyi, ES Siris, JP Brown, ML Cancela (2012) *Genetic association study of UCMA/GRP and OPTN genes (PDB6 locus) with Paget's disease of bone*. Bone 51, 720-728. <http://dx.doi.org/10.1016/j.bone.2012.06.028>

Journal metrics: (IF: 3.823; Category: Endocrinology, Diabetes and Metabolism, Quartile Q1; Category: Histology, Quartile Q1; Category: Physiology, Quartile Q1. 11 citations)

- 15 N Conceição[#], C Fazenda, ML Cancela (2012) *Comparative gene promoter analysis: an in silico strategy to identify candidate regulatory factors of Gla Rich Protein (GRP)*. J. Appl. Ichthyol. 28, 372-376. <http://dx.doi.org/10.1111/j.1439-0426.2012.02001.x>

Journal metrics: (IF: 0.902; Category: Aquatic Science, Quartile Q3. 2 citations)

- 16 C Fazenda, IAL Silva, ML Cancela, N **Conceição**[#] (2012) *Molecular characterization of two paralog genes encoding Gla-rich protein (Grp) in zebrafish*. J. Appl. Ichthyol. 28, 377-381. <http://dx.doi.org/10.1111/j.1439-0426.2012.02004.x>

Journal metrics: (IF: 0.902; Category: Aquatic Science, Quartile Q3. 9 citations)

- 17 ML Cancela, N **Conceição**, V Laizé (2012) *Gla-rich protein (GRP), a new player in tissue calcification?*. Advances in Nutrition, 3, 174-181 (invited review) <http://dx.doi.org/10.3945/an.111.001685>

Journal metrics: (IF: 3.245; Category: Medicine, Quartile Q1. 22 citations)

- 18 IAL Silva, ML Cancela, N **Conceição**[#] (2012) *Molecular cloning and expression analysis of xpd from zebrafish (Danio rerio)*. Mol. Biol. Rep. 39, 5339–5348. <http://dx.doi.org/10.1007/s11033-011-1333-x>.

Journal metrics: (IF: 2.506; Category: Molecular Biology, Quartile Q3; Category: Genetics, Quartile Q3. 4 citations)

2010

- 19 N **Conceição**, CJ Cox, B Simões, M Viegas, ML Cancela (2010) *Comparative promoter analysis and its application to the identification of candidate regulatory factors of cartilage-expressed genes*. J. Appl. Ichthyol. 26, 245–250. <http://dx.doi.org/10.1111/j.1439-0426.2010.01415.x>

Journal metrics: (IF: 0.945; Category: Aquatic Sciences, Quartile Q3. 3 citations)

- 20 CSB Viegas, N **Conceição**, C Fazenda, DC Simes, ML Cancela (2010) *Expression of Gla-rich protein (GRP) in newly developed cartilage-derived cell cultures from sturgeon (Acipenser naccarii)*. J. Appl. Ichthyol. 26, 214–218. <http://dx.doi.org/10.1111/j.1439-0426.2010.01408.x>

Journal metrics: (IF: 0.945; Category: Aquatic Science, Quartile Q3. 3 citations)

- 21 C Fazenda, B Simões, RN Kelsh, ML Cancela, N **Conceição**[#] (2010) *Dual transcriptional regulation by runx2 of matrix Gla protein in Xenopus laevis*. Gene, 450, 94-102. <http://dx.doi.org/10.1016/j.gene.2009.10.007>

Journal metrics: (IF: 2.266. Category: Genetics, Quartile Q2. 7 citations)

2008

- 22 N **Conceição**, V Laizé, B Simões, AR Pombinho, ML Cancela (2008) *Retinoic acid is a negative regulator of matrix Gla protein gene expression in teleost fish Sparus aurata*. Biochim. Biophys. Acta - Gene Regul. Mech. 1779, 28-39. [doi:10.1016/j.bbagr.2007.11.003](http://dx.doi.org/10.1016/j.bbagr.2007.11.003)

Journal metrics: (IF: 2.282; Category: Biochemistry, Quartile Q2; Category: Molecular Biology, Quartile Q2; Category: Biophysics, Quartile Q1; Category: Genetics, Quartile Q2; Category: Structural Biology, Quartile Q2. 15 citations)

2006

- 23 B Simões*, N **Conceição***, CSB Viegas, JP Pinto, P Gavaia, LD Hurst, RN Kelsh, ML Cancela (2006) *Identification of a promoter element within the zebrafish col X α 1 gene responsive to runx2 isoforms osf2/cbfa1 and til-1 but not to pebp2 α 2*. Calcif. Tissue Inter. 79, 230-244. [Doi:10.1007/s00223-006-0111-6](http://dx.doi.org/10.1007/s00223-006-0111-6)

Journal metrics: (IF: 2.483; Category: Endocrinology, Quartile Q2; Category: Endocrinology, Diabetes and Metabolism, Quartile Q2; Category: Orthopedics and Sports Medicine, Quartile Q1. 13 citations)

2005

- 24 JP Pinto, NM **Conceição**, CSB Viegas, R Leite, LD Hurst, RN Kelsh, ML Cancela (2005) *Identification of a new pebp2 α 2 isoform from zebrafish runx2 capable of inducing osteocalcin gene expression in vitro*. J. Bone Min. Res. 20, 1440-1453. [Doi:10.1359/JBMR.050318](https://doi.org/10.1359/JBMR.050318)

Journal metrics: (IF: 6.527; Category: Endocrinology, Diabetes and Metabolism, Quartile Q1; Category: Orthopedics and Sports Medicine, Quartile Q1. 18 citations)

- 25 N **Conceição***, AC Silva*, J Fidalgo, J Belo, ML Cancela (2005) *Identification of alternative promoter usage for Matrix Gla Protein gene: evidence for differential expression during early development in Xenopus laevis*. FEBS J. 272, 1501–1510. [doi/10.1111/j.1742-4658.2005.04590.x](https://doi.org/10.1111/j.1742-4658.2005.04590.x)

Journal metrics: (IF: 3.033; Category: Biochemistry, Quartile Q1; Category: Molecular Biology, Quartile Q2; Category: Cell Biology, Quartile Q2. 9 citations)

2003

- 26 JP Pinto*, N **Conceição***, P Gavaia, ML Cancela (2003) *Matrix Gla protein gene expression and protein accumulation co-localize with cartilage distribution in the teleost fish Sparus aurata*. Bone 32, 201-210. [doi:10.1016/S8756-3282\(02\)00981-X](https://doi.org/10.1016/S8756-3282(02)00981-X)

Journal metrics: (IF: 3.572; Category: Endocrinology, Diabetes and Metabolism, Quartile Q1; Category: Histology, Quartile Q1; Category: Physiology, Quartile Q1. 35 citations)

2002

- 27 CSB Viegas, JP Pinto, N **Conceição**, DC Simes, ML Cancela (2002) *Cloning and characterization of the cDNA and gene encoding Xenopus laevis osteocalcin*. Gene, 289, 97-107. [doi:10.1016/S0378-1119\(02\)00480-8](https://doi.org/10.1016/S0378-1119(02)00480-8)

Journal metrics: (IF: 2.778; Category: Genetics, Quartile Q1. 16 citations)

- 28 N **Conceição**, NM Henriques, MCP Ohresser, P Hublitz, R Schüle, ML Cancela (2002) *Molecular cloning of the Matrix Gla protein (MGP) gene from Xenopus laevis: functional analysis of the promoter identifies a calcium sensitive region required for basal activity*. Eur. J. Biochem. 269, 1947-1956. [DOI: 10.1046/j.1432-1033.2002.02846.x](https://doi.org/10.1046/j.1432-1033.2002.02846.x)

Journal metrics: (IF: 2.999; Category: Biochemistry, Quartile Q1; Category: Cell Biology, Quartile Q2; Category: Molecular Biology, Quartile Q2. 12 citations)

National Journals:

- 01 FJ Regateiro, A Pêgo, P Mota, A Martins, N **Conceição**, F Carvalho, A Reino, C Gomes, MGA Vieira, A Sousa, M Loureiro, A Almeida Santos, A Robalo Cordeiro (1995) *Frequência genotípica e alélica do polimorfismo do gene CYP2D6 do citocromo P450 na população Portuguesa*. Brotéria Genética, Lisbon, XVI(XCI), 43-49

In International Conferences (with referee):

2016

- 01** VP Roberto, **N Conceição**, MJ Nunes, E Rodrigues, ML Cancela, DM Tiago (2016) *miR-214: a novel regulator of chondrogenesis?* Bone Abstracts 5 P221a DOI:10.1530/boneabs.5.P221a
- 02** IAL Silva, **N Conceição**, L Michou, ML Cancela (2016) *Comparative analysis of human and zebrafish OPTN: molecular and evolutionary perspectives.* Bone Abstracts 5, PP257. DOI:10.1530/boneabs.5.P257
- 03** IAL Silva, **N Conceição**, ML Cancela (2016) *OPTN and CCDC3 share a bidirectional promoter region that is regulated by NfκB.* Bone Abstracts 5, PP256. DOI:10.1530/boneabs.5.P256

2014

- 04** IAL Silva, **N Conceição**, L Michou, ML Cancela (2014) *Functional study of Optineurin (OPTN) variants associated with Paget's disease of bone.* J Bone Miner Res 28 (Suppl 1). Available at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=51d4e88b-f79d-47e2-a15b-134f0c57b52e>
- 05** I Silva, **N Conceição**, L Michou, ML Cancela (2014) *Functional analysis of a promoter polymorphism of optineurin, a gene associated to Paget's disease of bone.* Bone Abstracts 3 PP191 DOI:10.1530/boneabs.3.PP191
- 06** C Fazenda, **N Conceição**, ML Cancela (2014) *Transcription factors from Sox family regulate expression of zebrafish Gla-rich protein 2 gene.* The FEBS Journal, 281 (Suppl.s1), p694, WED-232

2013

- 07** I Silva, **N Conceição**, L Michou, ML Cancela (2013) *Genetic variation in PDB6 locus and Paget's Disease of Bone.* European Journal of Clinical Investigation, 43 (Suppl. 1), p81
- 08** A Adrião, **N Conceição**, PJ Gavaia, ML Cancela (2013) *Zebrafish as a model to study craniofacial phenotypes related to human MEF2C mutations.* European Journal of Clinical Investigation, 43 (Suppl. 1), p102
- 09** I Silva, **N Conceição**, L Michou, ML Cancela (2013) *Single nucleotide polymorphisms identification and functional analysis in PDB6 locus: a target locus for Paget's disease of bone.* Bone Abstracts 1 PP481. DOI:10.1530/boneabs.1.PP481
- 10** **N Conceição**, B Simões, ML Cancela (2013) *Functional analysis of the two Runx3 promoters in osseous and non-osseous cells: implications for tissue/differentiation specific transcription of distinct isoforms.* Bone Abstracts 1 PP273. DOI: 10.1530/boneabs.1.PP273 (1 citation)

2012

- 11** L Cancela, V Laizé, **N Conceição**, DM Tiago, AT Maia, A Bensimon-Brito, PJ Gavaia (2012) *Matrix Gla protein expression: a complex process involving the use of alternative promoters, multiple splicing events and microRNAs.* FEBS International Workshop on New Developments in RNA Biology, p19

2008

- 12** **N Conceição**, C Fazenda, B Simões, L Cancela (2008) *Transcriptional regulation of the Xenopus laevis Matrix Gla protein gene.* Calcified Tissue International, 82 (Suppl.1), pS139, Su-P212

2007

- 13 **N Conceição**, J Belo, ML Cancela (2007) *Alternate promoters and developmental modulation of expression of the Xenopus laevis MGP gene*. Experimental Pathology and Health Sciences, vol.1 (nº1), p65
- 14 B Simões, A Silva, M Vitorino, **N Conceição**, J Belo, ML Cancela (2007) *Phenotypic observation of Xenopus laevis MGP loss of function*. The FEBS J. 274 (Suppl.1), p134, C1-5
- 15 **N Conceição**, B Simões, C Fazenda, ML Cancela (2007) *Runx2-mediated regulation of the Matrix Gla Protein gene*. The FEBS J. 274 (Suppl.1), p90, A5-22

2001

- 16 **N Conceição**, R Schüle, L Cancela (2001) *Characterization of the 5'flanking region of the Xenopus laevis Matrix Gla protein (MGP) gene*. Eur. J. Biochem. The FEBS J. 268 (Suppl.1), p.99, PS3-171

2000

- 17 ML Cancela, D Simes, P Rodrigues, **N Conceição**, JP Reia, MK Williamson, PA Price (2000) *Expression of Matrix Gla protein (MGP) in fish and amphibians: a model system to study the evolution of MGP function*. J. Bone Min. Res. 15 (Suppl.1) S474

1999

- 18 **N Conceição**, M Ohresser, R Schüle, ML Cancela (1999) *Molecular cloning and organisation of the Xenopus MGP gene: Identification of a Xenopus regulatory factor that specifically binds to the promoter region*. J. Bone Min. Res. 14 (Suppl.1) S439

Reports:

- 01 **N Conceição**, B Simões, D Simes, AC Silva, J Belo, ML Cancela - CCMAR, University of Algarve, Faro, Portugal: December 2005. Progression report of the GLARE Project (POCI/BIA-BCM/58677/2004)
- 02 **N Conceição**, B Simões, D Simes, AC Silva, J Belo, ML Cancela - CCMAR, University of Algarve, Faro, Portugal: December 2006. Progression report of the GLARE Project (POCI/BIA-BCM/58677/2004)
- 03 **N Conceição**, B Simões, D Simes, AC Silva, J Belo, ML Cancela - CCMAR, University of, Faro, Portugal: December 2007. Progression report of the GLARE Project (POCI/BIA-BCM/58677/2004)
- 04 **N Conceição**, B Simões, D Simes, AC Silva, J Belo, ML Cancela - CCMAR, University of, Faro, Portugal: August 2008. Final report of the GLARE Project (POCI/BIA-BCM/58677)

Acknowledgements in others papers:

- 01 ML Cancela, MCP Ohresser, JP Reia, CSB Viegas, MK Williamson, PA Price (2001) *Matrix Gla Protein in Xenopus laevis: Molecular Cloning, Tissue Distribution, and Evolutionary Considerations*. J. Bone Min. Res. 16, 1611-1621

Publications of gene sequences:

47 nucleotide sequences released by gene bank NCBI (USA)

Poster and oral communications:

Co-author of 72 Poster and 22 Oral Presentations

Research Supervision:

PhD: 4

MSc: 8 (3 ongoing)

Others: 31

COOPERATION IN RESEARCH PROJECTS:

Present Projects

Project Scientific Research from the Portuguese Society of Gastroenterology (SPG) 2015: *Insights into Matrix Gla protein (MGP) regulation in colorectal cancer*. Principal Investigator: Dr. Paulo Caldeira (Graduate Gastroenterology Assistant, Gastroenterology Department, Centro Hospitalar do Algarve, Faro, Portugal)

Past Projects

PTDC/DTP-EPI/0929/2012: *Translational bigenomics investigation in Leber's hereditary optic neuropathy: genotype-phenotype correlation*. 2013-2015. Principal Investigator: Prof. Manuela Grazina (Centre for Neuroscience and Cell Biology, University of Coimbra, Portugal)

FP7-227799 – ASSEMBLE: *Association of European Marine Biological Laboratories* (Participant in WP14: Coordinated by M Thorndyke; Funded by the European Commission (EU-FP7) from 03/2009 to 02/2013; Budget: 8,700,000€ /EDGE 108,890€)

GOCE-CT-2004:505403 – MGE: *Marine Genomics Europe Network of Excellence* (Participant in WP28; Coordinated by C Boyen; Funded by the European Commission (EU-FP6) from 03/2005 to 08/2008)

POCTI/BIA-BCM/58677/2004: *Spatial-temporal pattern of expression and regulation of Matrix Gla Protein (MGP) during early development in X. laevis*. Period: 2005-2008. Principal Investigator: Dr. Natércia Conceição (Funding: 90,000€)

B-47/07 CRUP/Treaty of Windsor 2006/2008 with the University of Bath, UK. *Investigation of runx3 structure and function in zebrafish neural crest*. Principal Investigator: Prof. Leonor Cancela

POCTI/BCI/48748/2002/FCT: *Effect of extracellular calcium on MGP gene expression*. Period: 2003-2006. Principal Investigator: Dr. Vincent Laizé (CCMAR)

LIS/992/2 CRUP/Treaty of Windsor 2004/2005 with the University of Bath, UK. *The Runx2/Cbfa1 transcription factor: functional analysis using a novel approach in the zebrafish*. Principal Investigator: Prof. Leonor Cancela. NB This project was selected for inclusion in a brochure celebrating the 20th Anniversary of the treaty of Windsor programme

NATO CRG (SA5-2-05/CRG 940751): *Molecular Cloning, Tissue distribution and developmental appearance of Matrix Gla protein in the African frog Xenopus laevis*. Period: 1998-2001. Principal Investigator: Prof. Leonor Cancela

PRAXIS/ BIA/469/94: *Characterization of Matrix Gla and Bone Gla proteins gene expression in different developmental stages of the seabream Sparus aurata*. Period: 1998-2000. Principal Investigator: Prof. Leonor Cancela

AIR3.CT94.2487: *Development of mussel-specific expression vectors suitable for transgenic organisms: implications on the establishment of mollusc continuous cell lines*. Period: 1995-1998. Project Coordinator: Dr. Claude Delsert (Centre de Recherche en Biologie Moléculaire, Montpellier, France)

FAIR-CT96-1742: *PTHrP in sea bream development and physiology*. Project Coordinator: Prof. Adelino Canário. (Research Fellow from April to October 1997)

ORGANIZATION OF MEETINGS:

Participation in the organizing committee of the “4th International Workshop on Interdisciplinary Approaches in Fish Skeletal Biology”, Tavira, Portugal, 27-30 April **2015**. Organizers: ML Cancela and PE Witten

Participation in the local organizing committee of the “3rd International Workshop on Interdisciplinary Approaches in Fish Skeletal Biology”, Tavira, Portugal, 22-24 April **2013**. Organizers: ML Cancela and PE Witten

Participation in the organizing committee of the advanced course “Human Genetics-From basic science to clinics and genetic counselling”, University of Algarve, 26-27 October **2012**. Organizers: ML Cancela and M Grazina

Local Co-Organizer of FEBS workshop on RNA Biology, satellite meeting of the FEBS-IUBMB meeting of Sevilla 2012, Tavira, Portugal, 1-4 September **2012**. Organizers: ML Cancela and C Arraiano

Participation in the organizing committee of the advanced course “Human Genetics-From basic science to clinics and genetic counselling”, University of Algarve, 20-21 July **2011**. Organizers: ML Cancela and M Grazina

Participation in the local organizing committee of the “2nd International Workshop on Interdisciplinary Approaches in Fish Skeletal Biology”, Tavira, Portugal, 26-28 April **2011**. Organizers: ML Cancela and PE Witten