

# Catarina Filipa Calixto Morais



**Nationality:** Portuguese

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## Education

**2017/10– Present**

### PhD Biomedical Sciences – Specialization in Microbiology

Instituto de Higiene e Medicina Tropical, NOVA University Lisbon, Lisbon (Portugal)

Experimental work for the Thesis project entitled "*Antimicrobial resistance in staphylococci causing skin and soft-tissues infections*", under the orientation of Professor Dr. Isabel Couto and co-orientation of Professor Dr. Maria Constança Pomba and Doctor Sofia Santos Costa (since November 2018)

Curricular part (10/2017 to 07/2018): 16.8 values (scale 1 to 20)

Financial support: FCT doctoral grant (ref. UI/BD/151061/2021)

**2011 - 2016**

### Integrated Master in Pharmaceutical Sciences

Faculty of Pharmacy, University of Lisbon, Lisbon (Portugal)

"*Aplicação de programas informáticos com doentes virtuais no ensino em ciências farmacêuticas*" (Dissertation), under the orientation of Professor Afonso Cavaco

Dissertation: 18 values (scale 1 to 20)

Bachelor and Master: 14 values (scale 1 to 20)

## Additional education

**2019/11/04**

Online course "The Role of Diagnostics in the Antimicrobial Resistance Response".

**2019/12/15**

London School of Hygiene & Tropical Medicine (London, United Kingdom)

Rating: 95% (scale 0 to 100%)

**2019/03/14**

3<sup>rd</sup> Meeting of the ONEIDA Consortium - An Omics network to prevent and control Infectious Diseases and Antimicrobial Resistance

3<sup>rd</sup> ONEIDA Meeting

NOVA University Lisbon - Instituto de Tecnologia Química e Biológica (Lisbon, Portugal)

**2018/12/03**

I International Conference NOVAhealth on Chronic Disease and Infection with the theme of "Resistance to antibiotics: from prevention to control of infection in "One Health"

I International Conference NOVAhealth on Chronic Disease and Infection

NOVA University Lisbon (Lisbon, Portugal)

**2018/04/04 –  
2018/04/05**

Writing for publication: a doctoral skills workshop

Workshop com Karine Kielmann (Queen Margaret University – Institute for Global Health and development)

NOVA University Lisbon - Instituto de Higiene e Medicina Tropical (Lisbon, Portugal)

## Professional experience

- 2019/10 – Present**      **Adjunct pharmacist**  
Farmácia Seixal, Seixal (Portugal)
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- 2019/02 – 2019/09**      **Adjunct pharmacist**  
Farmácia Bento Lino, Corroios (Portugal)
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- 2017/09 – 2019/02**      **Pharmacist**  
Farmácia Bento Lino, Corroios (Portugal)

## I&D Projects

- 2018/09 – Present**      **BIOSAFE - Preventing antimicrobial resistance in the community - the safe use of biocides**  
NOVA University Lisbon, Instituto de Higiene e Medicina Tropical (Lisbon, Portugal)  
University of Lisbon, Faculty of Veterinary Medicine (Lisbon, Portugal)  
Financial support:  
Fundação para a Ciência e a Tecnologia (Portugal)  
Fundo Europeu de Desenvolvimento Regional

## Publications

- Dissertations

**Morais, Catarina.** “Aplicação de programas informáticos com doentes virtuais no ensino em ciências farmacêuticas”.  
Integrated Master in Pharmaceutical Sciences. Faculty of Pharmacy, University of Lisbon, 2016.

- Articles

Santos Costa, Sofia; Ferreira, Carolina; Ribeiro, Rute; Febler, Andrea T; Schink, Anne-Kathrin; Kadlec, Kristina; Kaspar, Heike; Amaro, Ana; Albuquerque, Teresa; Abrantes, Patrícia; **Morais, Catarina**; Pomba, Constança; Couto, Isabel. “Proposal of Epidemiological Cutoff Values for Apramycin 15 mg and Florfenicol 30 mg disks applicable to *Staphylococcus aureus*”. *Microbial Drug Resistance*. 2021. 27; 11:1555-1559. <http://dx.doi.org/10.1089/mdr.2020.0402>.

**Morais, Catarina**; Santos Costa, Sofia; Ramos, Bárbara; Andrade, Mariana; Abrantes, Patrícia; Leal, Marta; Ferreira, Carolina; Pomba, Constança; Couto, Isabel. “Antibiotic resistance and molecular characterization of *Staphylococcus pseudintermedius* associated with SSTIs in pets”. (In preparation)

## Communications at congresses and other scientific meetings

- Posters at international congresses

Andrade, Mariana; Oliveira, Ketlyn; **Morais, Catarina**; Abrantes, Patrícia; Pomba, Constança; Rosato, Adriana E; Couto, Isabel; Santos Costa, Sofia. “Increased virulence potential of biofilm-producing coagulase-positive staphylococci associated with animal pyoderma” (Abstract n. 3021). *32<sup>nd</sup> European Congress on Clinical Microbiology and Infectious Diseases (ECCMID) 2022. Webconference/Lisbon, Portugal, 2022.*

Leal Marta; Santos Costa, Sofia; Ramos, Bárbara; **Morais, Catarina**; Ferreira, Carolina; Pomba, Constança; Couto, Isabel. "Efflux and biocide reduced susceptibility in *Staphylococcus pseudintermedius*" (Abstract n. 3760). *32<sup>nd</sup> European Congress on Clinical Microbiology and Infectious Diseases (ECCMID) 2022. Webconference/Lisbon, Portugal, 2022.*

Andrade, Mariana; Oliveira, Ketlyn; **Morais, Catarina**; Abrantes, Patrícia; Pomba, Constança; Rosato, Adriana E; Couto, Isabel; Santos Costa, Sofia. "Increased virulence potential of biofilm-producing coagulase-positive staphylococci associated with animal pyoderma". *5<sup>th</sup> Annual Texas Medical Center Antimicrobial Resistance & Stewardship conference. Webconference, 2022.*

**Morais, Catarina**; Santos Costa, Sofia; Andrade, Mariana; Ramos, Bárbara; Leal, Marta; Abrantes, Patrícia; Pomba, Constança; Couto, Isabel. "Clonal lineages of *Staphylococcus pseudintermedius* associated with skin and soft tissue infections in pets, Portugal" (Abstract n. 3395). *31<sup>st</sup> European Congress on Clinical Microbiology and Infectious Diseases (ECCMID) 2021. Webconference, 2021.*

**Morais, Catarina**; Santos Costa, Sofia; Abrantes, Patrícia; Pomba, Constança; Couto, Isabel. "Antibiotic resistance in *Staphylococcus pseudintermedius* associated with skin and soft tissue infections in dogs and cats" (Abstract n. 6736). *30<sup>th</sup> European Congress on Clinical Microbiology and Infectious Diseases (ECCMID) 2020. Paris, France, 2020.*

Santos Costa, Sofia; Ribeiro, Rute; Oliveira, Valéria; Serrano, Maria; Ferreira, Carolina; **Morais, Catarina**; Pomba, Constança; Couto, Isabel. "Antibiotic and biocide resistance among staphylococci causing SSTIs in companion animals in Portugal" (Abstract n. 2556). *30<sup>th</sup> European Congress on Clinical Microbiology and Infectious Diseases (ECCMID) 2020. Paris, France, 2020*

**Morais, Catarina**; Santos Costa, Sofia; Pomba, Constança; Couto, Isabel. "Antibiotic resistance in *Staphylococcus pseudintermedius* causing skin and soft tissue infections in pets" (Abstract 99). *1<sup>st</sup> International Conference of the European College of Veterinary Microbiology. Athens, Greece, 2019*

Costa, Sofia Santos; Abrantes, Patrícia; **Morais, Catarina**; Viveiros, Miguel; Rosato, Adriana E; Couto, Isabel. "Exploring the staphylococcal efflux-mediated response to ethidium bromide, an efflux pump substrate". *Gordon Conference "Multi-Drug Efflux Systems" 2019. Lucca, Italy, 2019.*

- **Posters at national congresses**

**Morais, Catarina**; Santos Costa, Sofia; Andrade, Mariana; Ramos, Bárbara; Leal, Marta; Abrantes, Patrícia; Pomba, Constança; Couto, Isabel. "Molecular characterization of *Staphylococcus pseudintermedius* associated with skin and soft tissue infections in pets, Portugal" (Abstract n. 365). *Congresso Nacional de Microbiologia e Biotecnologia (MicroBiotec 21). Webconference, 2021.*

Ramos, Bárbara; Santos Costa, Sofia; Leal, Marta; **Morais, Catarina**; Pomba, Constança; Couto, Isabel. "Fluoroquinolone resistance and associated mechanisms in *Staphylococcus pseudintermedius*" (Abstract n. 416). *Congresso Nacional de Microbiologia e Biotecnologia (MicroBiotec 21). Webconference, 2021.*

Andrade Mariana; **Morais, Catarina**; Abrantes, Patrícia; Pomba, Constança; Couto, Isabel; Santos Costa, Sofia. "Biofilm production by *Staphylococcus pseudintermedius* associated with animal pyoderma" (Abstract n. 54). *Congresso Nacional de Microbiologia e Biotecnologia (MicroBiotec 21). Webconference, 2021.*

Leal, Marta; Santos Costa, Sofia; Ramos, Bárbara; **Morais, Catarina**; Ferreira, Carolina; Pomba, Constança; Couto, Isabel. "Evaluation of efflux activity in *Staphylococcus pseudintermedius* and its contribution for biocide decreased susceptibility" (Abstract n. 52). *Congresso Nacional de Microbiologia e Biotecnologia (MicroBiotec 21). Webconference, 2021.*

**Morais, Catarina**; Santos Costa, Sofia; Pomba, Constança; Isabel Couto. "Antibiotic resistance in *Staphylococcus pseudintermedius* associated with skin and soft tissue infections in companion animals" (Abstract P237). *Congresso Nacional de Microbiologia e Biotecnologia (MicroBiotec 19). Coimbra, Portugal, 2019.*

Santos Costa, Sofia; Abrantes, Patrícia; **Morais, Catarina**; Viveiros, Miguel; Rosato, Adriana; Couto, Isabel. "Exploring the staphylococcal efflux-mediated response to ethidium bromide" (Abstract P154). *Congresso Nacional de Microbiologia e Biotecnologia (MicroBiotec19)*. Coimbra, Portugal, 2019.

Ferreira, Carolina; Santos Costa, Sofia; **Morais, Catarina**; Pomba, Constança; Isabel Couto. "Resistance to biocides and antibiotics in *Staphylococcus aureus* associated with SSTIs in ambulatory patients" (Abstract P234). *Congresso Nacional de Microbiologia e Biotecnologia (MicroBiotec19)*. Coimbra, Portugal, 2019.

- **Posters at other scientific meetings**

**Morais, Catarina**; Santos Costa, Sofia; Pomba, Constança; Couto, Isabel. "Molecular characterization of *Staphylococcus pseudintermedius* associated with skin and soft tissue infections in pets, Portugal". *12<sup>th</sup> edition of Jornadas Científicas do IHMT-NOVA*. Lisbon, Portugal, 2021.

**Morais, Catarina**; Santos Costa, Sofia; Pomba, Constança; Couto, Isabel. "Resistência aos antibióticos em *Staphylococcus pseudintermedius* responsáveis por infeções de pele e tecidos moles em animais de companhia". *10<sup>th</sup> edition of Jornadas Científicas do IHMT-NOVA*. Lisbon, Portugal, 2019.

**Morais, Catarina**; Santos Costa, Sofia; Pomba, Constança; Couto, Isabel. "Antibiotic resistance in *Staphylococcus pseudintermedius* causing skin and soft tissue infections in pets" (Poster 7). *IV NOVA Genetics Workshop*. Lisbon, Portugal, 2019.

**Morais, Catarina**; Santos Costa, Sofia; Pomba, Constança; Couto, Isabel. "Resistência antimicrobiana em estafilococos causadores de infeções de pele e tecidos moles". *9<sup>th</sup> edition of Jornadas Científicas do IHMT-NOVA*. Lisbon, Portugal, 2018.

- **Oral communications**

**2019/11/21** Antimicrobial resistance among *Staphylococcus pseudintermedius* causing SSTIs in companion animals  
Third GHTM Antimicrobial Resistance Awareness Day  
NOVA University Lisbon - Instituto de Higiene e Medicina Tropical (Lisbon, Portugal)

## I&D centers

**2017/10– Present** Non-doctoral member of the GHTM, *TB, HIV and opportunistic diseases and pathogens* (THOP) group.

- **Participation in GHTM and IHMT center activities**

**2019/12/19** Representative of GHTM students in the external evaluation of teaching/research in Public Health area by the ASPHER panel.

**2019/05/06** Representative of GHTM students in the external evaluation of GHTM center.

- **Organization of scientific events**

**2019/11/21** Third GHTM Antimicrobial Resistance Awareness Day  
NOVA University Lisbon - Instituto de Higiene e Medicina Tropical (Lisbon, Portugal)

**2019/09/27** Scientific dissemination action "Antimicrobial resistance: the role of biocides and the new weapon to the fight against superbugs" under the scope of BIOSAFE project.  
Noite Europeia dos Investigadores - European Researchers' 2019  
NOVA University Lisbon - Museu Nacional de História Natural (Lisbon, Portugal)

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**2018/11/13** Second GHTM Antimicrobial Resistance Awareness Day  
NOVA University Lisbon - Instituto de Higiene e Medicina Tropical (Lisboa, Portugal)

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**2018/09/17** Scientific dissemination action "Os micróbios e o fascínio pelo invisível e os Microrganismos, a Bioeconomia e o Desenvolvimento Sustentável"  
International day of the microorganism 2018  
Instituto Superior Técnico (IST), University of Lisbon (Lisbon, Portugal)

## Scientific Societies and Professional Orders

**2019 – Present** Member of the Portuguese Society of Microbiology

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**2016 – Present** Member of the Pharmaceutical order