

# Hugo Miguel Raposo Correia Botelho

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**Telephone** +351 21 750 0659  
**Work address** University of Lisboa, Faculty of Sciences (FCUL)  
Biosystems & Integrative Sciences Institute (BioISI)  
Campo Grande, C8  
1749-016 Lisboa. Portugal



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## BIOGRAPHICAL NOTE

Assistant Professor at FCUL. Scientist with a strong expertise in microscopy, high content screening, cell biology, biochemistry and biophysics. Cystic Fibrosis researcher. Co-responsible for FCUL Microscopy Facility, manager of the High-Throughput Screening Facility from BioISI / FCUL. Bioimage analyst, software developer, data scientist, trainer and academic supervisor.

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## MAIN SKILLS

Cystic Fibrosis	CFTR traffic and folding; Cystic Fibrosis cellular models; therapeutic target identification.
Management	Manager of High-Throughput Screening Facility (BioISI/FCUL); Scientific supervision; Project management.
Microscopy	High-content microscopy screening. Widefield and confocal fluorescence.
Bioimage analysis	Quantification and feature extraction from microscopy images (ImageJ, CellProfiler).
Cell Biology	Assay design; Eukaryotic and prokaryotic cell culture; RNA interference; Membrane trafficking.
Data Science	Statistical analysis of microscopy screening datasets. Data visualization, exploration and normalization.
Software development	R and ImageJ. Standalone scripts, libraries and web applications.
Training	Organization of courses and training sessions on microscopy, screening and image analysis.
Biochemistry	Protein expression, purification and characterization; Liquid chromatography; SDS-PAGE; Western blot; Proteomics.
Biophysics	Spectroscopy (UV-visible Absorption, Fluorescence Emission, Circular Dichroism, FT-IR, Dynamic Light Scattering); Protein folding, misfolding and aggregation; Thermodynamics; Protein aggregation; Electrochemistry.

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## EDUCATION

2010	<b>PhD in Biochemistry.</b> Specialization: Biophysics. ITQB / Universidade Nova de Lisboa. Approved by unanimity Supervisor: Cláudio M. Gomes <u>Thesis title:</u> Protein folding and metal ions – Conformational and functional interplay
2006	<b>Degree in Biochemistry</b> (Licenciatura, pre-Bologna). Faculty of Sciences, University of Lisboa. Mark: 18/20 Supervisor: Cláudio M. Gomes <u>Thesis title:</u> Pesquisa, identificação e caracterização de proteínas hiperestáveis no proteoma solúvel da archaea hipertermofílica <i>Sulphurisphaera</i> sp. [Search, identification and characterization of hyperstable proteins in the soluble proteome of the hyperthermophilic archaea <i>Sulphurisphaera</i> sp.]

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## SCIENTIFIC APPOINTMENTS

2024, Dec - today	<b>Assistant Professor</b> , Department of Chemistry and Biochemistry, FCUL.
2023, Dec - today	<b>Chair of Bioimage Analysis Working Group, PPBI</b>
2019, Jul - today	<b>Facility Manager</b> , High-Throughput Screening Facility. BioISI, FCUL.
2019, Jul - today	<b>Co-Responsible</b> , FCUL Microscopy Facility, FCUL.

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## PUBLICATIONS

**h-index:** 16

Online publication list and statistics:

<http://www.researcherid.com/rid/B-3092-2008>

<http://orcid.org/0000-0002-4208-1086>

[https://www.researchgate.net/profile/Hugo\\_Botelho](https://www.researchgate.net/profile/Hugo_Botelho)

<https://www.scopus.com/authid/detail.url?authorId=15030102200>

<http://www.linkedin.com/pub/hugo-botelho/27/5b9/b60>

<http://scholar.google.com/citations?user=nXftyYwAAAAJ>

<https://www.cienciavtae.pt/portal/E218-E579-24C1>

### Papers in international peer reviewed journals

1. Botelho HM, Lopes-Pacheco M, Pinto MC, Railean V, Pankonien I, Caleiro MF, Clarke LA, Cachatra V, Neumann B, Tischer C, Moiteiro C, Ousingsawat J, Kunzelmann K, Pepperkok R, Amaral MD (2025) **Global Functional Genomics Reveals GRK5 as a Cystic Fibrosis Therapeutic Target Synergistic with Current Modulators**. *iScience*. In press. DOI: [10.1016/j.isci.2025.111942](https://doi.org/10.1016/j.isci.2025.111942) (IF: 4.6, 2022)
2. Coelho M, Duarte AP, Pinto S, Botelho HM, Reis CP, Serralheiro ML, Pacheco R (2023) **Edible seaweeds extracts: characterization and functional properties for health conditions**. *Antioxidants*. 12(3), 684. DOI: [10.3390/antiox12030684](https://doi.org/10.3390/antiox12030684) (IF: 6.0)
3. Godinho-Pereira J, Lopes MD, Garcia AR, Botelho HM, Malhó R, Figueira I, Brito MA (2022) **A drug screening reveals minocycline hydrochloride as a therapeutic option to prevent breast cancer cells extravasation across the blood-brain barrier**. *Biomedicines*. 10(8):1988. DOI: [10.3390/biomedicines10081988](https://doi.org/10.3390/biomedicines10081988) (IF: 4.7)
4. Ferreira FF, Silva IAL, Botelho HM, Amaral MD, Farinha CM (2022) **Absence of EPAC1 signaling to stabilize CFTR in intestinal organoids**. *Cells*. 11(15):2295. DOI: [10.3390/cells11152295](https://doi.org/10.3390/cells11152295) (IF: 6.0)
5. Fernandes C, Palma E, Silva F, Belchior A, Pinto CIJ, Guerreiro JF, Botelho HM, Mendes F, Raposinho P, Paulo A (2022) **Searching for a Paradigm Shift in Auger-Electron Cancer Therapy with Tumor-Specific Radiopeptides Targeting the Mitochondria and/or the Cell Nucleus**. *Int J Mol Sci*. 23(13):7238. DOI: [10.3390/ijms23137238](https://doi.org/10.3390/ijms23137238) (IF: 5.6)
6. Quaresma MC, Botelho HM, Pankonien I, Rodrigues CS, Pinto MC, Costa PR, Duarte A, Amaral MD (2022) **Exploring YAP1-centred networks linking dysfunctional CFTR to epithelial-mesenchymal transition**. *Life Sci Alliance*. 5(9):e202101326. DOI: [10.26508/lsa.202101326](https://doi.org/10.26508/lsa.202101326) (IF 4.4)
7. Lim SH, Snider J, Birimberg-Schwartz L, Ip W, Serralha JC, Botelho HM, Lopes-Pacheco M, Pinto MC, Moutaoufik MT, Zilocchi M, Laselva O, Esmaili M, Kotlyar M, Lyakisheva A, Tang P, Vázquez LL, Akula I, Aboualizadeh F, Wong V, Grozavu I, Opacak-Bernardi T, Yao Z, Mendoza M, Babu M, Jurisica I, Gonska T, Bear C, Amaral MD, Stagljar I (2022) **CFTR interactome mapping using the Mammalian Membrane Two-Hybrid High-Throughput Screening system**. *Mol Syst Biol*, 18:e10629. DOI: [10.15252/msb.202110629](https://doi.org/10.15252/msb.202110629) (IF 9.9)
8. Pinto MC, Botelho HM, Silva IAL, Railean V, Neumann B, Pepperkok R, Schreiber R, Kunzelmann K, Amaral MD (2022) **Systems Approaches to Unravel Molecular Function: High-content siRNA Screen Identifies**

- TMEM16A Traffic Regulators as Potential Drug Targets for Cystic Fibrosis.** *J Mol Biol*, 434(5):167436. DOI: [10.1016/j.jmb.2021.167436](https://doi.org/10.1016/j.jmb.2021.167436) (IF 5.6)
9. Hagemeyer MC, Vonk AM, Awatade NT, Silva IAL, Tischer C, Hilsenstein V, Beekman JM, Amaral MD, [Botelho HM](#) (2020) **An open-source high-content analysis workflow for CFTR function measurements using the forskolin-induced swelling assay.** *Bioinformatics*, 36(24): 5686-5694. DOI: [10.1093/bioinformatics/btaa1073](https://doi.org/10.1093/bioinformatics/btaa1073) (IF 6.937)
  10. Silva IAL, Doušová T, Ramalho S, Centeio R, Clarke LA, Railean V, [Botelho HM](#), Holubová A, Valášková I, Yeh J-T, Hwang T-C, Farinha CM, Kunzelmann K, Amaral MD (2020) **Organoids as a Personalized Medicine Tool for Ultra-Rare Mutations in Cystic Fibrosis: the Case of S955P and 1717-2A>G.** *Biochim Biophys Acta – Mol Basis Dis*, 1866, 165905. DOI: [10.1016/j.bbadis.2020.165905](https://doi.org/10.1016/j.bbadis.2020.165905) (IF 5.187)
  11. Uliyakina I, da Paula AC, Afonso S, Lobo MJ, Felício V, [Botelho HM](#), Farinha CM, Amaral MD (2020) **Full rescue of F508del-CFTR processing and function by CFTR modulators can be achieved by removal of two regulatory regions.** *Int J Mol Sci*, 21(12): 4524. DOI: [10.3390/ijms21124524](https://doi.org/10.3390/ijms21124524) (IF 5.924)
  12. Amaral MD, Hutt DM, Tomati V, [Botelho HM](#), Pedemonte N (2019) **CFTR processing, trafficking and interactions.** *J Cyst Fibros*, S1569-1993(19)30932-30934. DOI: [10.1016/j.jcf.2019.10.017](https://doi.org/10.1016/j.jcf.2019.10.017) (IF 4.759)
  13. Santos JD, Canato S, Carvalho AS, [Botelho HM](#), Aloria K, Amaral MD, Matthiesen R, Falcão AO, Farinha CM (2019) **Folding status is determinant over traffic-competence in defining CFTR interactors in the endoplasmic reticulum.** *Cells*, 8(4): 353. DOI: [10.3390/cells8040353](https://doi.org/10.3390/cells8040353) (IF 4.366)
  14. Palma E, [Botelho HM](#), Morais GR, Rodrigues I, Santos IC, Campello MPC, Raposinho P, Belchior A, Gomes SS, Araújo MF, Correia I, Ribeiro N, Gama S, Mendes F, Paulo A (2019) **Unravelling the antitumoral potential of novel bis(thiosemicarbazonato) Zn(II) complexes: structural and cellular studies.** *J Biol Inorg Chem*, 24: 71-89. DOI: [10.1007/s00775-018-1629-6](https://doi.org/10.1007/s00775-018-1629-6) (IF 3.246)
  15. Awatade NT, Ramalho S, Silva IAL, Felício V, [Botelho HM](#), de Poel E, Vonk A, Beekman JM, Farinha CM, Amaral MD (2018) **R560S: a class II CFTR mutation that is not rescued by current modulators.** *J Cyst Fibros*, 18(2):182-189. DOI: [10.1016/j.jcf.2018.07.001](https://doi.org/10.1016/j.jcf.2018.07.001) (IF 4.29)
  16. Cristóvão JS, Morris VK, Cardoso I, Leal SS, Martinez J, [Botelho HM](#), Göbl C, David R, Kierdorf K, Alemi M, Madl T, Fritz G, Reif B, Gomes CM (2018) **The neuronal S100B protein is a calcium-tuned suppressor of amyloid- $\beta$  aggregation.** *Sci Adv*, 4(6): eaaq1702. DOI: [10.1126/sciadv.aaaq1702](https://doi.org/10.1126/sciadv.aaaq1702) (IF 12.804)
  17. Lérias JR\*, Pinto MC\*, [Botelho HM](#), Awatade NT, Quaresma MC, Silva IAL, Wanitchakool P, Schreiber R, Pepperkok R, Kunzelmann K, Amaral MD (2018) **A novel microscopy-based assay identifies extended synaptotagmin-1 (ESYT1) as a positive regulator of anoctamin 1 traffic.** *Biochim Biophys Acta - Mol Cell Res*, 1865(2): 421-431. DOI: [10.1016/j.bbamcr.2017.11.009](https://doi.org/10.1016/j.bbamcr.2017.11.009) (IF 4.739)
  18. Igreja S, Clarke LA, [Botelho HM](#), Marques L, Amaral MD (2015) **Correction of a cystic fibrosis splicing mutation by antisense oligonucleotides.** *Human mutat*, 37(2): 209-215. DOI: [10.1002/humu.22931](https://doi.org/10.1002/humu.22931) (IF 5.089)
  19. Clarke LA, [Botelho HM](#), Sousa L, Falcão AO, Amaral MD (2015) **Transcriptome meta-analysis reveals common differential and global gene expression profiles in cystic fibrosis and other respiratory disorders and identifies CFTR regulators.** *Genomics*, 106(5): 268-277. DOI: [10.1016/j.ygeno.2015.07.005](https://doi.org/10.1016/j.ygeno.2015.07.005) (IF 2.386)
  20. [Botelho HM](#), Uliyakina I, Awatade NT, Proença MC, Tischer C, Sirianant L, Kunzelmann K, Pepperkok R, Amaral MD (2015) **Protein traffic disorders: an effective high-throughput fluorescence microscopy pipeline for drug discovery.** *Sci Rep*, 5, 9038. DOI: [10.1038/srep09038](https://doi.org/10.1038/srep09038) (IF 5.228)
  21. Carvalho SB, [Botelho HM](#), Leal SS, Cardoso I, Fritz G, Gomes CM (2013) **Intrinsically disordered and aggregation prone regions underlie  $\beta$ -aggregation in S100 proteins.** *PLoS ONE*, 8, e76629. DOI: [10.1371/journal.pone.0076629](https://doi.org/10.1371/journal.pone.0076629) (IF 3.354)
  22. Sá-Moura B, Simões AM, Fernandes H, Fraga J, Abreu IA, [Botelho HM](#), Gomes CM, Marques AJ, Dohmen J, Ramos P, Macedo-Ribeiro S (2013) **Biochemical and biophysical characterization of recombinant yeast proteasome maturation factor ump1.** *Comput Struct Biotechnol J*, 7(8), e201304006. DOI: [10.5936/csbj.201304006](https://doi.org/10.5936/csbj.201304006) (IF 4.148, 2017)

23. [Botelho HM](#), Leal SS, Cardoso I, Yanamandra K, Morozova-Roche LA, Fritz G, Gomes CM (2012) **S100A6 amyloid fibril formation is calcium-modulated and enhances superoxide dismutase-1 (SOD1) aggregation.** *J Biol Chem*, 287(50): 42233-42. DOI: [10.1074/jbc.M112.396416](https://doi.org/10.1074/jbc.M112.396416) (IF 4.651)
24. Leal SS\*, [Botelho HM](#) \*, Gomes CM (2012) **Metal ions as modulators of protein conformation and misfolding in neurodegeneration.** *Coord Chem Rev*, 256: 2253-2270. (\*equally contributing authors). DOI: [10.1016/j.ccr.2012.04.004](https://doi.org/10.1016/j.ccr.2012.04.004) (IF 11.016)
25. Veith A, [Botelho HM](#), Kindinger F, Gomes CM, Kletzin A (2012) **The sulfur oxygenase reductase from the mesophilic bacterium *Halothiobacillus neapolitanus* is a highly active thermozyme.** *J Bacteriol*, 194: 677-685. DOI: [10.1128/JB.06531-11](https://doi.org/10.1128/JB.06531-11) (IF 3.177)
26. [Botelho HM](#), Gomes CM (2011) **Structural reorganization renders enhanced metalloprotein stability.** *Chem Commun*, 47: 11149-11151. DOI: [10.1039/c1cc13354c](https://doi.org/10.1039/c1cc13354c) (IF 6.169)
27. Fritz G, [Botelho HM](#), Morozova-Roche LA, Gomes CM (2010) **Natural and amyloid self-assembly of S100 proteins: structural basis of functional diversity.** *FEBS J*, 277: 4578-90. DOI: [10.1111/j.1742-4658.2010.07887.x](https://doi.org/10.1111/j.1742-4658.2010.07887.x) (IF 3.129)
28. [Botelho HM](#), Leal SS, Veith A, Prosinecki V, Bauer, C., Fröhlich, R., Kletzin A, Gomes CM (2010) **Role of a novel disulfide bridge within the all-beta fold of soluble Rieske proteins.** *J Biol Inorg Chem*, 15: 271-281. DOI: [10.1007/s00775-009-0596-3](https://doi.org/10.1007/s00775-009-0596-3) (IF 3.287)
29. [Botelho HM](#), Koch M, Fritz G, Gomes CM (2009) **Metal ions modulate the folding and stability of the tumor suppressor protein S100A2.** *FEBS J*, 276(6): 1776-86. DOI: [10.1111/j.1742-4658.2009.06912.x](https://doi.org/10.1111/j.1742-4658.2009.06912.x) (IF 3.042)
30. Prosinecki V, [Botelho HM](#), Francese S, Mastrobuoni G, Moneti G, Urich T, Kletzin A, Gomes CM (2006) **A proteomic approach toward the selection of proteins with enhanced intrinsic conformational stability.** *J Proteome Res*, 5(10): 2720-6. DOI: [10.1021/pr0602491](https://doi.org/10.1021/pr0602491) (IF 5.151)

## Book Chapters

1. Amaral MD, Clarke LA, Farinha CM, [Botelho HM](#) (2023) **Systems Biology and the New Omics**, in Hodson and Geddes' Cystic Fibrosis, 5<sup>th</sup> Edition (Bush A, Amaral MD, Davies JC, Simmonds NJ, Taylor-Cousar JL and Ranganathan S, Eds.) Taylor & Francis. CRC Press. Boca Raton FL, USA. DOI: [10.1201/9781003262763](https://doi.org/10.1201/9781003262763)
2. Amaral MD, Farinha CM, Matos P, [Botelho HM](#) (2016) **Investigating alternative transport of integral plasma membrane proteins from the ER to the Golgi: lessons from the cystic fibrosis transmembrane conductance regulator (CFTR)**, in Unconventional Protein Secretion: Methods in Molecular Biology, vol. 1459 (Pompa, A., and De Marchis, F., Eds.) 105-126. Humana Press, New York. DOI: [10.1007/978-1-4939-3804-9\\_7](https://doi.org/10.1007/978-1-4939-3804-9_7)
3. Carvalho SB, Cardoso I, [Botelho HM](#), Yanamandra K, Fritz G, Gomes CM, Morozova-Roche LA (2014) **Structural heterogeneity and bioimaging of S100 amyloid assemblies**, in Bionanoimaging: Protein Misfolding and Aggregation (Uversky, V., Lyubchenko, Y., eds), 197-212. Academic Press, Boston. DOI: [10.1016/B978-0-12-394431-3.00018-3](https://doi.org/10.1016/B978-0-12-394431-3.00018-3)
4. [Botelho HM](#), Fritz G, Gomes CM (2012) **Analysis of S100 oligomers and amyloids**, in Amyloid Proteins: Methods and Protocols, Methods in Molecular Biology, vol. 849 (Sigurdsson E.M., Calero, M., Gasset, M., eds), 373-386. Springer Science+Business Media. DOI: [10.1007/978-1-61779-551-0\\_25](https://doi.org/10.1007/978-1-61779-551-0_25)

## Patents

1. Amaral MD, [Botelho HM](#), Lopes-Pacheco M (2023) **Method of identifying agents for the treatment of cystic fibrosis caused by the mutation F508del.** International Patent PCT/IB2023/051813. WIPO.

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## SOFTWARE PORTFOLIO

<http://github.com/hmbotelho>

Selected examples:

### Organoid Analyst

[https://github.com/hmbotelho/organoid\\_analyst](https://github.com/hmbotelho/organoid_analyst)

Web app for the statistical analysis of the Forskolin-Induced Swelling (FIS) assay in Cystic Fibrosis research.

### shinyHTM

<https://github.com/embl-cba/shinyHTM>

An interactive web-based tool which uses the R shiny package to inspect, plot and visualize high throughput microscopy data and images.

### htmrenamer (R package)

<https://github.com/hmbotelho/htmrenamer>

Systematic renaming of high throughput microscopy images.

### FIS analysis tools

[https://github.com/hmbotelho/fis\\_image\\_analysis](https://github.com/hmbotelho/fis_image_analysis)

Measurement of organoid features in a live cell microscopy assay with CellProfiler or Fiji/ImageJ.

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## LECTURING ACTIVITY, SELECTED EXAMPLES

2022-2025	<b>Fundamentos de Química e Bioquímica [Fundamentals of Chemistry and Biochemistry].</b> Theoretical and Problem solving lectures. BSc in Biomedical and Biophysical Engineering and BSc in Physical Engineering, FCUL. 1 <sup>st</sup> year, 2 <sup>nd</sup> semester.
2025	<b>Bioquímica Experimental II [Experimental Biochemistry II].</b> Laboratory lectures. BSc in Biochemistry, FCUL. 2 <sup>nd</sup> year, 2 <sup>nd</sup> semester.
2024	<b>Bioquímica Experimental IV [Experimental Biochemistry IV].</b> Laboratory lectures. Degree in Biochemistry, FCUL. 3 <sup>rd</sup> year, 2 <sup>nd</sup> semester.
2017-2024	<b>Functional screens and high throughput microscopy in drug discovery.</b> Lecture for FCUL MSc in Biochemistry and Biomedicine, Omics approaches in biomedicine and biotechnology module.
2023	<b>Introdução à Biologia Molecular [Introduction to Molecular Biology].</b> Problem solving lectures. Degree in Biochemistry, FCUL. 1 <sup>st</sup> year, 2 <sup>nd</sup> semester.
2016-2022	<b>Data analysis in high content microscopy.</b> Course on High Throughput Screening and Image Analysis for Biosciences. i3S. Porto, Portugal. Organizer: André Maia.
2016-2021	<b>Fluorescence Microscopy.</b> Lecture for FCUL Biochemistry Master's course. Complements in Biochemical Analysis module.
2020	<b>Biochemistry.</b> Laboratory lectures. Biology degree FCUL, 1 <sup>st</sup> year, 1 <sup>st</sup> semester.
2016-2017	<b>High-throughput microscopy &amp; screening.</b> Lecture for FCUL Animal Biology Department Master's course. Bioimaging module.

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## COORDINATION OF RESEARCH PROJECTS

2024	<b>Biocompatible Coatings with Natural-Based Nano-Agents for Biomedical Applications</b> BioISI Project. 5,000€ Principal Investigators: Noelia Losada García & <a href="#">Hugo M. Botelho</a>
2023-2024	<b>NewKinCF – Unraveling the mechanism of action of a novel kinase regulator of F508del-CFTR traffic and activity</b> FCT 2022.03453.PTDC. 50,000€ Principal Investigator: <a href="#">Hugo M. Botelho</a>

- 2022 **Mitochondrial network in Multiple Acyl-CoA Dehydrogenase Deficiency: construction of a high-content bioimage analysis workflow**  
BioISI Project. 5,000€  
Principal Investigators: [Hugo M. Botelho](#) & Filipa S. Carvalho.
- 2020 **VALHealth – Valorisation of Algae for Health: Bioactive Compounds from Marine Bioresources by Membrane Technology**  
BioISI Project. 10,000€  
Principal Investigators: Rita Pacheco & [Hugo M. Botelho](#).
- 2018 **Deconvolution of dual CFTR/ANO1 Modulators from Portuguese natural products – A new class of drugs for CF therapy**  
BioISI Project. 10,000€  
Principal Investigators: Helena Gaspar, Helena Vieira & [Hugo M. Botelho](#).
- 2017 **A new class of drugs for CF therapy - Dual CFTR/ANO1 Modulators from Portuguese natural products**  
BioISI Project. 10,000€  
Principal Investigators: [Hugo M. Botelho](#) & Helena Vieira.
- 2016 **Natural compounds as a source of novel drug leads for Cystic Fibrosis**  
BioISI Project. 10,000€  
Principal Investigators: [Hugo M. Botelho](#) & Helena Vieira.
- 2016 **The identification of new natural compounds of high therapeutic potential for Cystic Fibrosis by high-throughput microscopy screens**  
BioISI Post-Doc.  
Supervisors: [Hugo M. Botelho](#) & Helena Vieira.

## ORGANIZATION OF SCIENTIFIC MEETINGS

- 2026 **ELMI - European Light Microscopy Initiative**  
Member of the scientific committee  
June. Convento de São Francisco, Coimbra.  
<https://www.elmi2026.org>
- 2024 **4<sup>th</sup> Chem&BioChem – Students Meeting, FCUL**  
Member of the scientific committee  
27 June, Faculty of Sciences, University of Lisbon  
<https://chembiochem.campus.ciencias.ulisboa.pt>
- 2023 **SPAOM2023 – Spanish-Portuguese Advanced Optical Microscopy 2023**  
Member of the scientific committee  
25-27 October, University of Algarve, Portugal  
<https://www.spaom2023.pt>
- 2022 **2<sup>nd</sup> Chem&BioChem – Postgraduate Students Meeting, FCUL**  
Member of the scientific committee  
15 July, Faculty of Sciences, University of Lisbon  
<https://chembiochem.campus.ciencias.ulisboa.pt>
- 2021 **SPAOM2021 – Spanish-Portuguese Advanced Optical Microscopy 2021**  
Member of the scientific committee & HCS Community Workshop Organizer  
23-25 November, Online  
<https://igc.idloom.events/spaom2021>
- 2021 **Eutopia 3 – Third Meeting of the European Topology Interdisciplinary Initiative**  
Member of the local organizing committee  
15-17 February, Faculty of Sciences, University of Lisbon  
<http://eutopia3.campus.ciencias.ulisboa.pt>

2019 **Workshop on Integrative Approaches to Protein Folding & Aggregation**  
Organizing Committee  
11-12 June, Faculty of Sciences, University of Lisbon  
<http://folding2019.campus.ciencias.ulisboa.pt>

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## ORGANIZATION OF TRAINING EVENTS, SELECTED EXAMPLES

2022-2025 **Macro Scripting in ImageJ**  
Lisbon, Portugal

2021-2024 **Introduction to Image Analysis**  
Lisbon, Portugal

2024 **Basics on Advanced Microscopy Workshop for Facility Staff**  
GIMM. Oeiras, Portugal.

2024 **Advanced Course on the Principles of Light Microscopy**  
Chamalimaud Foundation. Lisbon, Portugal.

2021-2022 **Basics in Light Microscopy**  
13-16 December. Lisbon, Portugal.  
Participants: 15  
<https://fculmf.campus.ciencias.ulisboa.pt/blm2022>

2015-2018 **Hands-on Workshop on High-Throughput Microscopy**  
BioISI/FCUL. Lisbon, Portugal.

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## SCIENTIFIC SOCIETIES

2016-present NEUBIAS: Network of European BioImage Analysts, COST Action CA15124

2006 - present Portuguese Biochemical Society & Portuguese Biophysical Society