

2020

New FCT and international funded projects supported by INCD in 2020.

1. FA_05_2017_007
 - **"The MARVEN Project - The Portuguese biotechnological database for marine animal venoms and toxins"**
 - Funding agency: Fundo Azul, Portugal
2. PTDC/BTA-BTA/28650/2017
 - **WormALL- Marine invertebrates as source of novel biotoxins: Investigating function and application through Polychaeta venomomics (PTDC/BTA-BTA/28650/2017)**
 - Funding agency: FCT, Portugal
3. PTDC/MAR-BIO/0113/2014
 - **"GreenTech-Of pigments and toxins: an integrative approach to the biotechnological potential of a marine polychaete"**
 - Funding agency: FCT, Portugal
4. E-SiCure2
 - **Enhancing Security at Borders and Ports (E-SiCure2)**
 - Funded by: NATO (Science for Peace and Security Programme)
5. PTDC/FIS-PAR/31000/2017
 - **From Higgs Phenomenology to the Unification of Fundamental Interaction**
 - Funding agency: FCT, Portugal
6. PTDC/FIS-AST/3041/2020
 - **Testando a hipótese de Kerr com ondas e lentes gravitacionais**
 - Funding agency: FCT, Portugal
7. 03/SAICT/2015
 - **ONEIDA - An OMICS Network to Prevent and Control Infectious Diseases and Antimicrobial Resistance**
 - Funding agency: FCT,
8. CAMELOT: autonomiC plAtform for MachinE Learning using anOnymized data
 - PortugalProjecto CMU|Portugal Camelot
9. PTDC/BIA-MIC/29529/2017
 - **"Exploring unique metabolic traits of biotechnological interest in fructophilic yeasts"**
 - Funding agency: FCT,
10. . PTDC/CTA-AMB/28909/2017
 - **MOSAIC.pt Análise do risco de inundação costeira a partir de múltiplas fontes para comunidades seguras e desenvolvimento sustentável**
 - Funding agency: FCT,
11. POCI-01-0247-FEDER-024541
 - **PRODUTECH-SIF: Soluções para a Indústria de Futuro**
 - COMPETE2020

12. PTDC/BIA-MIC/30785/2017
 - **Advancing Wine Yeast Genomics - WYG**
 - Funding agency: FCT
13. PTDC/BIA-MIC/32059/2017
 - **Abordagens omicas para a exploração industrial de *Torulaspota delbrueckii*: elucidação das bases moleculares de fenótipos complexos**
 - Funding agency: FCT
14. Programa de monitorização dos fatores biológicos e ecológicos aquáticos no rio Mondego na envolvente da Central Termoelétrica de Lares
 - Funding agency: EDP
15. Monitorização Biológica da Frente Ribeirinha de Lisboa
 - Funding agency: CML
16. Monitorização da frente ribeirinha e respectivas comunidades biológicas e das atividades de pesca com xávega e ganchorra na zona costeira do Concelho de Almada.
 - Funding agency: CMA
17. Estado atual das populações de amêijoia-japonesa da Ria de Aveiro, lagoa de Óbidos e estuários do Tejo e Sado - bases científicas para uma gestão sustentável do recurso - NIPOGES
18. Co-Operation for Restoring Cockle Shellfisheries & its Ecosystem-Services in the Atlantic Area - COCKLES.
 - Funding agency: Interreg Atlântico
19. Promover a Gestão Concertada e Sustentável da Enguia na Área SUDOE-SUGOANG
 - Funding agency: Interreg Atlântico
20. Melhorar e complementar os critérios de classificação do estado das massas de água de transição e costeiras - MESCLA
 - Funding agency: APA-POSEUR
21. Innovation in the Framework of the Atlantic Deep Ocean (iFADO)
 - Funding agency: Interreg Atlântico
22. Caracterização geral das águas aquícolas para estabelecimento de culturas marinhas - AQUIMAR
 - Funding agency:
23. Dynamics of phytoplankton community through remote sensing: an assessment of eutrophication process and environmental quality - Phytotroph
 - Funding agency:FCT
24. Assessing and enhancing ecosystem services provided by diadromous fish in a climate change context - DiadES
 - Funding agency: Interreg Atlântico
25. Estudo integrado da dinâmica dos movimentos migratórios da corvina *Argyrosomus regius* - MIGRACORV
 - Funding agency:FCT
26. Effects of antropogenic noise on Fish fitness - FISHNOISE
 - Funding agency:FCT
27. Sistemas de informação e monitorização da biodiversidade marinha das Áreas Classificadas do Sudoeste Alentejano e Costa Vicentina - MARSW
 - Funding agency: POSEUR
28. Plano Operacional de Monitorização e Gestão de Peixes Anádromos em Portugal - AN@DROMOS

- Funding agency:
29. Freshwater fish Invasions Risk assessment: identify invasion routes - FRISK
 - Funding agency: FCT
 30. PTDC/EME-REN/30866/2017 (FCT)
 - Harbour protection with dual chamber oscillating water column devices
 - Funding agency: FCT
 31. PTDC/AAG-MAA/6899/2014
 - "UBEST - Understanding the biogeochemical buffering capacity of estuaries relative to climate change and anthropogenic inputs"
 32. EOSC-synergy grant 857647
 - "European Open Science Cloud - Expanding Capacities by Building Capabilities"
 33. EOSC-hub grant agreement No. 777536
 34. AQUAMON - A dependable monitoring platform based on wireless sensor networks for water environments
 - Funding agency: FCT
 35. UBEST: Understanding the biogeochemical buffering capacity of estuaries relative to climate change and anthropogenic inputs
 - Funding agency: FCT
 36. INLEX - Infragravity waves on tidal inlets under extreme conditions
 - Funding agency: FCT
 37. WADI Innovative Airborne Water Leak Detection Surveillance Service
 - Funding agency: Horizon 2020 Programme under grant agreement No. 689239
 38. RESCCUE RESilience to cope with Climate Change in Urban arEas - a multisectorial approach focusing on water
 - H2020 Grant Agreement Number: 700174
 39. FISH-DNA-SCAN "Cutting-edge DNA-based approaches for improved monitoring and management of fisheries resources along Magellan-Elcano's Atlantic route"
 - funded by FCT: 2020-2022.
 40. NIS-DNA "Early detection and monitoring of non-indigenous species (NIS) in coastal ecosystems based on high-throughput sequencing tools"
 - funded by FCT: 2019-2021
 41. PTDC/BIA-EVL/28565/2017. OCEANTREE - Mechanisms of reproductive allochryony in endemic Portuguese seabirds: implications for population divergence and response to climate change.
 - funded by FCT
 42. A Management Framework for Consolidated Big Data and HPC BigHPC 04/SI/2019
 43. RADEM proto-flight model ESA: 1-7560/13/NL/HB
 44. aAmuse - advanced Muon Campus in US and Europe contribution aAmuse - Project 101006726
 45. Designing and Enabling E-Infrastructures for intensive Processing in a Hybrid DataCloud DEEP-HybridDataCloud - Grant 777435
 46. Integrating and managing services for the European Open Science Cloud EOSC-hub grant 777536
 47. European Open Science Cloud - Expanding Capacities by Building Capabilities EOSC-synergy grant 857647
 48. Innovating and Widening the HPC use and skills base EUROCC
 49. Implementing the European Open Science Cloud EGI-ACE

50. EOSC-Future EOSC-Future
51. The strong interaction at the frontier of knowledge: fundamental research and applications 824093 - STRONG-2020
52. Yoctosecond imaging of QCD collectivity using jet observables 835105 - YoctoLHC Grant Agreement 853566 FARE - Fake News and Real People (ERC)
53. Collaboration in the International Space Station Experiment AMS for the detection of intermediate energy cosmic rays CERN/FIS-PAR/0013/2019
54. ATLAS Upgrade 2019/20 CERN/FIS-PAR/0033/2019
55. Collaboration in the ATLAS Experiment at CERN: Data Taking and Analysis CERN/FIS-PAR/0002/2019
56. UHECR Physics with the Pierre Auger Observatory CERN/FIS-PAR/0031/2019
57. Collaboration in the Phase 2 Upgrade of the CMS experiment at CERN CERN/FIS-INS/0032/2019
58. Collaboration in the operation and physics data analysis at the CMS experiment at CERN CERN/FIS-PAR/0025/2019
59. Participation in the RD51 Colaboration (Gaseous Detectors R&D) CERN/FIS-INS/0025/2017 (Gaseous Detectors R&D)
60. Participation in RD51 - GD CERN/FIS-INS/0025/2017 - GD
61. Participação em colaboração RD51 no CERN para desenvolvimento de detectores de partículas em microestruturas CERN/FIS-INS/0026/2019 (Gaseous Detectors R&D)
62. Portuguese National Distributed Computing Infrastructure INCD 01/SAICT/2016 - nº 022153
63. LATTES: an innovative detector for very high energy gamma ray astrophysics in the southern hemisphere PTDC/FIS-PAR/29158/2017
64. SWGO: the wide-field gamma-ray observatory at the Southern hemisphere PTDC/FIS-PAR/4300/2020
65. Underground Neutrino Physics: Participation in the DUNE and SNO+ experiments CERN/FIS-PAR/0012/2019
66. PORTUGAL at ISOLDE CERN/FIS-PAR/0005/2017 Collaboration in the COMPASS and AMBER experiments at CERN CERN/FIS-PAR/0022/2019
67. Jets as quark gluon plasma probes CERN/FIS-PAR/0022/2017
68. Heavy Quarkonium production in hadronic interactions at LHC and AFTER@LHC CERN/FIS-PAR/0015/2017
69. Estudos fenomenológicos em LHC na física de quarks top e bosões de Higgs CERN/FIS-PAR/0029/2019
70. Bridging Theory and Experiment: Collider Phenomenology CERN/FIS-PAR/0024/2019
71. Methods for Understanding Strong Interactions with Quarkonia CERN/FIS-PAR/0010/2019
72. BigDataHEP: Understanding Big Data in High Energy Physics: finding a needle in many haystacks PTDC/FIS-PAR/29147/2017, POCI/01-0145-FEDER-029147
73. TELE-VIR <https://onehealthjp.eu/jrp-tele-vir/>
 - projecto internacional co-financiado pela Comissão Europeia no âmbito da identificação e caracterização de vírus que constituem uma ameaça para os seres humanos
74. Genetic diversity of the novel coronavirus SARS-CoV-2 (COVID-19) in Portugal (<https://insaflu.insa.pt/covid19/>)
 - projecto co-financiado pela FCT e Agência de Investigação Clínica e Inovação Biomédica âmbito da primeira "call" Research 4 COVID-19.

75. Monitoring the integrity and genetic evolution of SARS-CoV-2 during infection, to support clinical and public health decision - projecto co-financiado pela FCT e
 - Agência de Investigação Clínica e Inovação Biomédica âmbito da segunda "call" Research 4 COVID-19.
 76. "TraSyph - Tracing the Treponema pallidum genetic footprints associated with syphilis outcomes and stages"
 - projecto financiado pela European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
 77. GIIP - Gestão inteligente de infraestruturas portuárias (POCI-01-0247-FEDER-039890 - GIIP - Gestão Inteligente de Infraestruturas Portuárias)
 78. Projecto financiado POSEUR-03-2215-FC-000013 - Lista Vermelha da Flora Vasculare de Portugal Continental
 - Coordenação do projecto: Sociedade Portuguesa de Botânica, Associação Portuguesa de Ciência da Vegetação - PHYTOS, em parceria com o Instituto da Conservação da Natureza e das Florestas, I.P.
 79. barcodingPTplants: DNA barcoding aromatic, medicinal, and condiment plants from Portugal
 - FCT: PTDC/ASP-HOR/31074/2017
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