

<b>Designação do Projeto  </b>	MitiVineDrought - Uma abordagem integrada com vista à validação de estratégias de mitigação de secura em videira diminuindo o recurso a água: combinação de análises ómicas, moleculares, bioquímicas e fisiológicas
<b>Código do Projeto  </b>	PTDC/BIA-FBT/30341/2017
<b>Objetivo Principal  </b>	High-throughput transcriptomic and targeted transcriptional analysis towards key berry quality- and water deficit-related genes
<b>Região de Intervenção  </b>	Lisboa
<b>Entidade Beneficiária  </b>	FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências
<b>Data de Aprovação  </b>	2018/07/18
<b>Data de Início  </b>	2018/10/18
<b>Data de Conclusão  </b>	2021/10/17
<b>Custo Total Elegível  </b>	28.398,75€
<b>Apoio Financeiro da União Europeia  </b>	0,00€
<b>Apoio Financeiro Público Nacional/ Regional  </b>	28.398,75€

## Objetivos

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Water-deficit stress is a common threat to the Portuguese wine-production sector in particular due to climate change.

Identifying mechanisms underlying grapevine responses to this water-deficit stress has the potential of opening new avenues for the development of practical strategies to tackle its negative impact on grape berry productivity and/or quality. Therefore, the main objective is to perform high-throughput transcriptomic and targeted transcriptional analysis towards key berry quality and water deficit-related genes in stressed plants.



## Atividades

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Rna sequencing will be performed using an Illumina platform. Functional enrichment analysis will enable the identification of the main biological pathways involved in drought response.

## Resultados Esperados / Atingidos

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It is expected to reinforce the major profiling of grape berry transcriptome by RNA-Seq, as well as targeted transcriptional analyses, and evaluate how it is influenced by water deficit and stress mitigation strategies.

