

Centro de Investigação em Matemática e Aplicações  
Departamento de Matemática  
Programa de Doutoramento em Matemática

## Seminário

16 de maio de 2018  
CLAV – Sala 138 – 14h30

### REPRESENTATIONS OF QUIVERS

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**Abstract:** In this talk I will describe the basics of quiver representations. Quiver is just an oriented graph and its representation (over a field  $K$ ) is attaching a vector space to each vertex and a linear map to each arrow. I will discuss the structure of quiver representations and the goal is to describe a Gabriel Theorem which characterizes quivers for which the representation theory is “easy”, i.e. we have only finitely many indecomposal representations.



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