

# Curriculum Vitae

## PERSONAL INFORMATION

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### **Raquel Alexandra Temporão Mestre**

**Date of birth :** 2<sup>nd</sup> September 1996

**Nationality:** Portuguese

**E-mail:** raquel.mestre@ff.ul.pt



## EDUCATION

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**July 2019 - Present**

**Master student at Miguel Prudêncio's Lab**  
Instituto de Medicina Molecular

**2017 - Present**

**Master in Pharmaceutical and Medicinal Chemistry**  
Faculdade de Farmácia – Universidade de Lisboa

**2014-2017**

**Bachelor degree in Applied Chemistry**  
Faculdade de Ciências e Tecnologia – Universidade Nova de Lisboa

## EXPERIENCE

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**Sept. 2018 - Present**

**Master dissertation "Targeting p53 with indole-based compounds"**

- Design and synthesis of biologically active molecules; Characterization of active compounds; Evaluation of biological activity.

**Feb. 2017 - July 2017**

**Bachelor Project "Improvement of water solubility of active pharmaceutical ingredients using ionic liquids"**

- Test of several ionic liquids with different combinations of cations and anions to determine their influence in the increasing water solubility of the active pharmaceutical ingredients; Determination of water solubility by ultraviolet absorption spectroscopy.

## PERSONAL SKILLS

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**Native language** Portuguese

## Other languages

	UNDERSTANDING		SPEAKING		WRITING
	LISTENING	READING	SPOKEN INTERACTION	SPOKEN PRODUCTION	
<b>English</b>	C1	C1	B2	B2	B2
<b>French</b>	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2 independent user - C1/C2: advanced user

## TECHNICAL SKILLS

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- Specific knowledge in several areas of chemistry (organic, inorganic, physical and analytical), biology and biochemistry.
- Acquired laboratory experience throughout the bachelor and master degree in basic and advanced laboratory techniques. Gained experience in the synthesis of organic compounds and acquired structural analysis skills throughout several instrumental techniques for the analysis of organic molecules - NMR, Infra-red, Mass spectroscopy, UV spectroscopy, among others.

## OTHER SKILLS

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- Certification in basic life support, acquired in a training taught at Bombeiros Voluntários de Queluz.