



# MANDY AYMARD

PhD in medicinal chemistry

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## OBJECTIVES

Currently, there are many inhibitors of DYRK1A but they are not selective for this kinase. My objective will be to synthesise bivalent selective inhibitors of DYRK1A to treat neurodegenerative diseases such as Alzheimer's disease.

## INTERESTS

SPORT › Hiking, cycling, running, climbing

MUSIC › Guitar (10 years)

## LANGUAGES

French ●●●●●●  
English ●●●●  
Spanish ●●●●

## CONTACT -INFORMATIONS

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## PROFESSIONAL EXPERIENCE

### 21 Janvier - 3 Juin 2022 : Trainee in medicinal chemistry

*Supervisor : Dr. Frédéric Bihel, Laboratory of Therapeutic Innovation (UMR7200), Illkirch (France), Chemogenomics and Medicinal Chemistry Team*

Project : Synthesis of GPCR receptor antagonists

### 14 Juin - 31 Août 2021 : Chemical technician

*Resin and Terpene Derivatives (Vielle-Saint-Girons)*

Project : Waste water analyzes

### 08 Mars - 28 Mai 2021 : Trainee laboratory in the team "Chemistry and Molecular Neurobiology"

*Supervisor : Dr. Thomas Grutter, Laboratory of Design and Application of Bioactive Molecules (UMR7199), Illkirch (France), Chemistry and Molecular Neurobiology Team*

Project : Complex interactions between P2X7 and ANO6

### 28 Mai - 13 Juillet 2018 : Trainee laboratory in the team "Catalysis, Synthesis and Health"

*Supervisor : Dr Philippe Hermange, Institute of Molecular Sciences (UMR5255), Talence (France), Catalysis, Synthesis and Health Team*

Project : Development of new platform molecules for carbon monoxide labelling: applications in Positron Emission Tomography imaging

## EDUCATION

### 2020 - 2022 : Master's degree in chemistry, biology and drug design

*University of Strasbourg*

### 2017 - 2020 : Bachelor's degree in chemistry

*University of Bordeaux 1*

### 2015 - 2017 : First-year common curriculum in health

*University of Bordeaux 2*

## RELEVANT EXPERIENCE

Organic chemistry : Multi step synthesis, heterocycle chemistry,

Analysis and purification : 1D NMR, IR, HPLC, flash chromatography, near-infrared spectroscopy, potentiometric analyzes

Molecular and cellular biology techniques : Western blot, PCR, purification

Software : ChemDraw, MestreNova, SciFinder, Microsoft Office