



## Adrienn Rancz

**Nationality:** Hungarian, Romanian  //

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 **Address:** //

### WORK EXPERIENCE

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#### Intern

**Center of Nuclear Magnetic Resonance at Very High Fields** [ 24/01/2022 – 08/07/2022 ]

City: Lyon

Country: France

My work at CRMN Lyon leveraged recent methodological developments in the field of magic angle spinning (MAS) nuclear magnetic resonance (NMR) spectroscopy that make use of fast rotation speed and high magnetic fields to study the structure and dynamics of membrane proteins reconstituted in native-like lipid environment. Specifically, I investigated the effects of lipid environment, namely the effects of different lipid to protein ratios on the structure and dynamics of the water transporter protein AqpZ located within the cell membrane of Escherichia coli bacteria. The results were presented in my Master's thesis.

#### Intern

**Sapientia Hungarian University of Transylvania** [ 01/06/2021 – 01/07/2021 ]

City: Miercurea Ciuc

Country: Romania

During the summer of 2021 I carried out a one-month internship in the microbiology laboratory of Sapientia University where I took part in the ongoing research work concerning metal and salt tolerant bacteria and their effects on plants. Thanks to this work I managed to get more familiar with some basic techniques and measurements present in a microbiology laboratory, including the handling of bacteria, DNA extraction, polymerase chain reaction.

#### Intern - part time

**Eötvös Loránd University Analytical Chemistry Department** [ 01/2019 – 06/2020 ]

City: Budapest

Country: Hungary

During my work, I was member of a research group aiming to investigate environmental pollution problems. My Bachelor's thesis was written according to my research work done in this field. My aim was to investigate organosulfur compounds - used as chelating agents in the mining industry - by high performance liquid chromatography - mass spectrometry (HPLC-MS). Thanks to this research project, I learned the basics of sample preparation procedures applied in the field of analytical chemistry and I also managed to get a better view on the handling of HPLC and MS devices.

#### Intern - part time

**Research Centre for Natural Sciences** [ 03/2018 – 02/2019 ]

City: Budapest

Country: Hungary

As a member of Organocatalysis Research Group I took part in the investigation and preparation of frustrated Lewis-pair catalysts. During this work, I learned about the basic processes characteristic to preparative organic chemistry.

## EDUCATION AND TRAINING

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### Master 2 in Chemistry (learned in English)

*École Normale Supérieure de Lyon* [ 09/2021 – 07/2022 ]

Address: 15 parvis René Descartes, 69342 Lyon (France)

### Master's Degree in Chemistry (learned in English)

*Eötvös Loránd University* [ 09/2020 – 06/2022 ]

Address: Pázmány Péter sétány 1/A, 1117 Budapest (Hungary)

### Bachelor's Degree in Chemistry (learned in Hungarian)

*Eötvös Loránd University* [ 09/2017 – 06/2020 ]

Address: Pázmány Péter sétány 1/A, 1117 Budapest (Hungary)

## LANGUAGE SKILLS

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Mother tongue(s): **Hungarian**

Other language(s):

### English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

### Romanian

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

### German

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

### French

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2