



## Tiago Gomes

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### EDUCATION AND TRAINING

#### Undergraduate's Degree

**Faculdade de Ciências da Universidade de Lisboa** [ 19/09/2016 – 10/06/2020 ]

**Address:** Campo Grande 016, 1749-016 Lisbon (Portugal) | **Website:** <https://ciencias.ulisboa.pt/> | **Field(s) of study:** Chemistry  
| **Final grade:** 14 | **Type of credits:** ECTS | **Number of credits:** 180

#### Master's Degree

**Faculdade de Ciências da Universidade de Lisboa** [ 19/09/2020 – 20/05/2024 ]

**Address:** Campo Grande 016, 1749-016 Lisbon (Portugal) | **Website:** <https://ciencias.ulisboa.pt/> | **Field(s) of study:** Chemistry  
| **Final grade:** 16 | **Type of credits:** ECTS | **Number of credits:** 180 | **Thesis:** Magnetic Behaviour of Iron Complexes:  
Unravelling the Impact of Ligands and Anions

#### Equivalence to Undergraduate's Degree

**Faculdade de Ciências da Universidade de Lisboa** [ 25/09/2023 – 29/05/2024 ]

**Address:** Campo Grande 016, 1749-016 Lisbon (Portugal) | **Website:** <https://ciencias.ulisboa.pt/> | **Field(s) of study:** History and  
Philosophy of Sciences | **Final grade:** 17 | **Type of credits:** ECTS | **Number of credits:** 30

#### Doctoral degree

**Faculdade de Ciências da Universidade de Lisboa** [ 19/09/2024 – Current ]

**Address:** Campo Grande 016, 1749-016 Lisbon (Portugal) | **Website:** <https://ciencias.ulisboa.pt/> | **Field(s) of study:** History and  
Philosophy of Sciences | **Type of credits:** ECTS | **Number of credits:** 180

### PUBLICATIONS

[2024]

#### **The role of intermolecular interactions in [Fe(X-salEen)2]ClO4 spin crossover complexes**

Article produced in collaboration with the remaining authors: Gomes, T.; Martins, F. F.; Gil, A.; Ferreira, L. P.; Barroso, S.; Gomes, C. S. B.; Garcia, Y. and Martinho P. N..

Bento, M. A. et al., 2024, Dalton Trans., 2024, 53, 8791

### HONOURS AND AWARDS

[ 24/03/2024 ] Universidade da Beira Interior/Associação Nacional dos Estudantes de Química

#### **2nd Best Oral Communication - ENEQUI IX**

Award presented at the closing ceremony for the National Chemistry Students Meeting - ENEQUI IX, held in the Universidade da Beira Interior, Covilhã, Portugal, by the university board, in partnership with the Associação Nacional dos Estudantes de Química, between the 22nd and the 24th of March, 2024.

### NETWORKS AND MEMBERSHIPS

[ 05/2019 – Current ]

#### **Membership with the Portuguese Society of Chemistry (SPQ)**

I became an associate of the SPQ while I was working on my undergraduate project, in order to be able to attend certain conferences and seminars, while showcasing my project - as well as other sideprojects - while I was in attendance, at these events. This

membership allowed me to receive several key pieces of information in the area of carbohydrates and other Chemistry-related topics, with it also presenting me the opportunity to divulge into more events related to this area of science.

## CONFERENCES AND SEMINARS

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[ 16/07/2017 – 19/07/2017 ] Faculdade de Farmácia da Universidade de Lisboa, Lisbon, Portugal

### **XXV Encontro Nacional da Sociedade Portuguesa de Química**

Participating member of the audience, at the event.

[ 30/05/2019 – 31/05/2019 ] Academia de Ciências de Lisboa, Lisbon, Portugal

### **CQE Days 2019**

Poster presenter

[ 03/09/2019 – 05/09/2019 ] i3S - Instituto de Investigação e Inovação em Saúde, Porto, Portugal

### **GluPor 13 - 2019**

Poster presenter

[ 26/03/2021 – 28/03/2021 ] Virtual Event

### **Digital Colloquium - Chemistry Students in Portugal 2021**

Virtual participating member of the audience, at the event.

[ 14/07/2018 – 19/07/2018 ] Faculdade de Ciências e Aula Magna da Reitoria da Universidade de Lisboa, Lisbon, Portugal

### **International Carbohydrate Symposium - ICS 2018**

Member of the student staff associated with the organisation of the event.

[ 10/03/2022 – 11/03/2022 ] Virtual Event

### **8th Latin-American Symposium on Coordination and Organometallic Chemistry**

Poster presentation of the work "Engineered Fe(II) coordination polymers for potential application as molecular sensors", under the MsC thesis project.

[ 07/04/2022 – 09/04/2022 ] Faculdade de Ciências da Universidade de Coimbra, Coimbra, Portugal

### **7th ENEQUI - 2022**

Poster presentation of the work "Molecular Sensors based on Fe(II) coordination polymers with semiconducting organic units", under the MsC thesis project.

[ 26/05/2022 – 27/05/2022 ] Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal

### **CQE Days 2022**

Member of the student staff associated with the organisation of the event.

Poster presentation of the work "Iron complexes and coordination polymers for magnetic sensing materials", under the MsC thesis project.

[ 12/07/2022 – 14/07/2022 ] Reitoria da Universidade de Lisboa, Lisbon, Portugal

### **5th CQUL Meeting - Forging Bonds**

Poster presentation of the work "Synthesis of iron-based coordination polymers and discrete molecules for application as spin-labile materials", under the MsC thesis project.

[ 15/07/2022 – 15/07/2022 ] Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal

### **2nd Chem&BioChem Students Meeting**

Member of the staff associated with the organisation of the event.

Poster presentation of the work "Synthesis of iron complexes for applications as magnetic sensing materials", under the MSc thesis project.

[ 28/08/2022 – 01/09/2022 ] Centro de Congressos de Lisboa, Lisbon, Portugal

#### **8th EuChemS Chemistry Congress**

Member of the student staff associated with the organisation of the event, throughout its duration.

[ 12/09/2022 – 13/09/2022 ] Faculdade de Ciências da Universidade do Porto, Porto, Portugal

#### **Magnetism in Portugal 2022 - Young Researchers**

Poster presentation of the work "Iron-based coordination polymers and discrete molecules for spin-labile materials", under the MSc thesis project.

[ 16/01/2023 – 18/01/2023 ] UCIBIO/FCT-NOVA, Monte da Caparica, Portugal

#### **GluPor 14 - 2023**

Participating member of the audience, at the event.

[ 25/01/2023 – 25/01/2023 ] ISEC Lisboa, Lumiar, Portugal

#### **Top Trends 2023**

Invited speaker, on the behalf of Re-Food 4 Good - Lumiar, to conduct a presentation regarding the vital information of the institution.

[ 31/03/2023 – 03/04/2023 ] Faculdade de Ciências da Universidade do Porto, Porto, Portugal

#### **8th ENEQUI - 2023**

Oral communication speaker, presenting the work "Studying the impact of structural ligand and anionic modifications on the magnetic behaviour of Fe(III) compounds", under the MSc thesis project.

[ 25/05/2023 – 26/05/2023 ] Academia das Ciências de Lisboa, Lisbon, Portugal

#### **CQE Days 2023**

Member of the student staff associated with the organisation of the event.

Oral communication speaker, presenting the work "Studying shifts in the magnetic behaviour of iron complexes via ligand and counterion modifications", under the MSc thesis project.

[ 13/07/2023 – 13/07/2023 ] Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal

#### **3rd Chem&BioChem Students Meeting**

Poster presentation of the work "Structural changes in iron(III) complexes and their impact on the spin crossover phenomenon", under the MSc thesis project.

[ 24/07/2023 – 26/07/2023 ] Centro de Congressos de Aveiro, Aveiro, Portugal

#### **XXVIII Encontro Nacional da Sociedade Portuguesa de Química**

Poster presentation of the work "Analyzing the impact of structural changes on the spin crossover phenomenon in iron(III) complexes", under the MSc thesis project.

[ 22/03/2024 – 24/03/2024 ] Universidade da Beira Interior, Covilhã, Portugal

#### **9th ENEQUI - 2024**

Oral communication speaker, presenting the work "Magnetic Behaviour of Iron Complexes: Unravelling the Impact of Ligands and Anions", under the MSc thesis project.

Received the joint 2nd-best Oral Communication Award for this presentation, at the event.

[ 15/04/2024 – 19/04/2024 ] Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal

#### **2ª Semana da Sustentabilidade e Desenvolvimento da Faculdade de Ciências**

Member of the Executive Organization for the event, responsible for the management of staff schedules and organization of logistics, before and during the event.

[ 19/12/2024 – 20/12/2024 ] Biblioteca Nacional de Portugal, Lisbon, Portugal

#### **Workshop - Materialidades da violência, história e historiografia**

Participation as an attendee of the workshop.

## **LANGUAGE SKILLS**

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**Mother tongue(s):** Portuguese

**Other language(s):**

### **English**

**LISTENING C2 READING C2 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

### **German**

**LISTENING A2 READING A2 WRITING A2**

**SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2**

### **French**

**LISTENING A2 READING A2 WRITING A1**

**SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1**

### **Spanish**

**LISTENING A2 READING A2 WRITING A1**

**SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## **MANAGEMENT AND LEADERSHIP SKILLS**

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### **Pedagogic Council - Faculdade de Ciências da Universidade de Lisboa**

Elected in September 2020 and until June 2023, I was held accountable with representing all of the students in the courses within our Department of Chemistry and Biochemistry, in the Pedagogic Council of our college. In this position, we exposed any and all questions related to the pedagogical aspect of our life in college, discussing said problems with a group of also elected Teachers from each Department, as well as other student-representatives from all of the other Departments.

### **Safety Guaranteeing Council - Faculdade de Ciências da Universidade de Lisboa**

Acting as the representative for the students present in the Pedagogic Council of our college, I was elected in November 2022 to the Safety Guaranteeing Council of Faculdade de Ciências da Universidade de Lisboa, ceasing functions in June 2023.

This council is responsible for several, major, tasks linked with the creditation processes that ensure the highest level of trust, regarding all sectors of operation in our college.

Amongst these tasks, it is responsible for the overseeing of these processes, for the preparation and elaboration of the plan and manual regarding the Safety Guaranteeing in FCUL.

### **Team Manager at Re-Food 4 Good - Lumiar**

Through the better part of 5 years, between 2018 and 2023, I served as a team manager in one of the working shifts at the center of operations located in Lumiar, for the Re-Food 4 Good social institution. The main tasks associated with this position were as follows: planning of the teams allocated to all shifts, on a monthly basis; assignment of tasks, within each shift, to each member of the team (could be to 10-15 volunteers on each shift); organization and rearrangement of the working space within the center of operations, for optimal functioning; resolution of emergent situations, via mediation of communication with the supported families, the volunteers and fellow managers.

### **Coordinator of center of operations at Re-Food 4 Good - Lumiar**

Through the better part of 4 years, between 2020 and 2023, I served as the Coordinator of the center of operations located in Lumiar, for the Re-Food 4 Good social institution. Acting as the main channel of communication both with the other colleagues, in the same position, from other centers, and with the national leadership, I was trusted with the managing of the dynamics within

the team of all managers (whether linked to an area of operations of the center, whether linked to certain shift), all volunteers and all families that benefited from our social support.

I was also responsible for the management of partnerships, in the educational, non-alimentary and alimentary areas, with our center, in said position. Finally, I accumulated the functions of manager in the area of Education, Prisional Volunteering and Formation of new volunteers, aiding to a better understanding of the way of functioning in Re-Food 4 Good.

## COMMUNICATION AND INTERPERSONAL SKILLS

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### **Participation in the advanced course cE3c "Science and the media - bringing together scientists, journalists and society"**

Over the course of a week, between the 18th and 22nd of April of 2022, I took part in an online course promoted by one of the departments of Communication and Imaging in Faculdade de Ciências da Universidade de Lisboa. This course allowed us to interact with other colleagues in the area of scientific investigation, with the people responsible for the internal and external communication projects from our college and, most importantly, with people with the area of Communication and Imaging, with scientific backgrounds, regarding the importance of bettering the communication with the remaining sectors of society, whether through written or oral interventions (articles, journals, televised interviews, etc.).

### **Participation in the online workshop "3ª Workshop de Escrita Científica - Rever para escrever"**

In the span of three days, between the 4th and 6th of July of 2023, I took part in an online course promoted by the library services of Instituto Superior Técnico, with the focus on learning how to use key software tools, regarding the management of article references, in science. Thus, through the duration of both seminars, I contacted with the Rayyan software, in which researchers can sort out the references needed for, i.e., a review article, and work in parallel with other users. Additionally, I was shown the Mendeley and Zotero reference manager tools, useful for the sorting of such references.

## DIGITAL SKILLS

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Good listener and communicator / Organizational and planning skills / Team-work oriented / Written and Verbal skills / Decision-making

## VOLUNTEERING

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[ 26/09/2017 – 05/01/2023 ] Alameda das Linhas de Torres 117, 1750-148 Lisboa

### **Volunteer at ReFood 4 Good - Lumiar**

I began my time linked with ReFood 4 Good via a college project that allowed students to choose an institution of their liking, in order to pursue volunteering activities. Thus, I was able to not only successfully complete the tasks at hand, at that time, while I was under this regimen, but also continue said activity after that project ended and, to this day, I remained linked with the organization, serving as a team manager, a food sources and beneficiaries manager and as the coordinator for the group located in the Lumiar area, in Lisbon, until January 2023.

[ 2015 – 2019 ] Several

### **Volunteer for Banco Alimentar contra a Fome**

I attended several initiatives for this organization, in the timespan of 4 years, as part of volunteering groups allocated to certain supermarkets near my living area, where we collected essential goods - whether it was food or other needs - given by people buying in that same location.