



# Andrea Di Santo

**Address:** Via Coluccio Salutati 23, 50126, FIRENZE, Italy

**Email address:** [disanto864@gmail.com](mailto:disanto864@gmail.com) **Phone number:** (+39) 3466079719

**Gender:** Male **Date of birth:** 28/05/1997 **Nationality:** Italian

## WORK EXPERIENCE

---

[ 09/2019 – 11/2019 ] **Curricular internship**

*Università degli Studi di Firenze, Chemistry Department*

**City:** Florence

**Country:** Italy

**Main activities and responsibilities:**

Synthesis of analogues of metformine through the structural modification of the biguanidinic core inserting substituents of various nature

[ 09/2021 – 11/2021 ] **Curricular internship**

*Università degli Studi di Firenze, Chemistry Department*

**City:** Florence

**Country:** Italy

**Main activities and responsibilities:**

Synthesis of peptides in solid phase both with automatic and semi-automatic methods, purification by flash chromatography and semi-preparative HPLC, characterization by UHPLC/MS and enzyme immunoassays ELISA

[ 01/03/2022 – Current ] **Research fellowship**

*Università degli Studi di Firenze, Chemistry Department*

**City:** Florence

**Country:** Italy

**Main activities and responsibilities:**

Research and development of efficient and sustainable molecules in industrial processes

## EDUCATION AND TRAINING

---

[ 09/2011 – 07/2016 ] **High school diploma in Environmental Biotechnologies**

*I.T.A.S. Ginori Conti*

**Address:** Via del Ghirlandaio, 52, 50121, Florence, Italy

**Final grade:** 100/100 **Level in EQF:** EQF level 4

[ 10/2016 – 12/2019 ] **First level Degree in Chemistry**

**Università degli Studi di Firenze**

**Address:** Piazza di San Marco, 4, 50121, Firenze, Italy

**Field(s) of study:** Natural sciences, mathematics and statistics : *Chemistry*

**Final grade:** 110/110 cum laude **Level in EQF:** EQF level 6

**Thesis:** "Metformin analogue functionalized with fluorescent probe", supervisor Prof. Stefano Cicchi

[ 10/2019 – 02/2022 ] **Second level Degree in Chemical Sciences**

**Università degli Studi di Firenze**

**Address:** Piazza di San Marco, 4, 50121, Florence, Italy

**Field(s) of study:** Natural sciences, mathematics and statistics : *Chemistry*

**Final grade:** 110/110 cum laude **Level in EQF:** EQF level 7

**Thesis:** "Design, synthesis, and biological evaluation of peptides derived from Spike protein and nucleocapsid protein of Severe Acute Respiratory Syndrome CoronaVirus 2 (SARS-CoV-2)", supervisor Prof. Anna Maria Papini

## LANGUAGE SKILLS

---

**Mother tongue(s):** Italian

**Other language(s):**

**English**

**LISTENING B2 READING B2 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

## CONFERENCES AND SEMINARS

---

[ 14/12/2021 ]

**MS Hybrids 2021, Società Chimica Italiana, Divisione Chimica Italiana , Florence**

Florence, Italy

(No scientific contribute)

## HONOURS AND AWARDS

---

[ 2020 ] **«Dipartimenti Eccellenti 2018-2022» scholarship Awarding institution:** Chemistry Department "Ugo Schiff", Università di Firenze

Winner of the «Dipartimenti Eccellenti 2018-2022» scholarship funded by the Department of Chemistry 'Ugo Schiff' of the University of Florence

[ 02/2022 ] **Research Fellowship Awarding institution:** Chemistry Department "Ugo Schiff", Università di Firenze

Winner of the research fellowship "Research and development of efficient and sustainable molecules in industrial processes" funded by the Department of Chemistry 'Ugo Schiff' of the University of Florence

**Professional skills**

During the years of study, knowledge about organic chemistry has acquired and the ability to design an organic reaction was developed. During the period of the master's thesis have acquired skills in the field of peptide synthesis, including automatic and semi-automatic synthesis using microwave-assisted automatic synthesizer, purification on flash chromatography and semi-HPLC preparative, characterization using UHPLC-ESI-MS. Basic knowledge of biological tests such as ELISA has also been acquired.