

## ESR 03 – DEL VECCHIO Antonio

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Date of birth: 10 Avril 1992

Nationality: Italian



### Current position

From 10/2016: Marie Curie - Early Stage Researcher in organic chemistry as part of the ISOTOPICS project (H2020-MSCA-ITN, Grant agreement N°675071).

**PhD title**: New Methodologies for the Late Stage Labeling of Drug Candidates

**Supervisor**: Dr. Frédéric Taran, Dr. Davide Audisio

**Laboratory**: Carbon-14 labeling laboratory

**Organisation**: CEA

**PhD awarding University**: Paris-Saclay University

### Work experiences

03/2016 – 09/2016: Traineeship, Supervisor: Dr. Fabrizio Micheli, Drug Design and Medicinal Chemistry Department, Aptuit research Center, Verona (Italy).

10/2014 – 07/2015: Student researcher, Supervisor: Prof Vinicio Zanirato, Department of Organic Chemistry, University of Ferrara, Italy

### Education

09/2010 – 07/2015: Master in Chemistry and Pharmaceutical Technology; Mark: 110/110

09/2005 – 07/2010: Maturità Scientifica PNI (Piano Nazionale di Informatica); Liceo Scientifico Statale "G. Galilei", Manfredonia, Italy.

### Secondments during ISOTOPICS

10/2017 – 11/2017 (5 weeks): Subject: [11C] labelling of Drug Candidates; Supervisor: Prof. Christer Halldin (and Dr. Magnus Schou, AZ beneficiary), Dept. of Psychiatry, Karolinska Institutet (Stockholm, Sweden).

### Trainings during ISOTOPICS

11/2016 (3 days): 1<sup>st</sup> ISOTOPICS training, CEA (Saclay, France)

04/2017 (4 days): 2<sup>nd</sup> ISOTOPICS training, SANOFI (Frankfurt, Germany)

11/2017 (4,5 days): 3<sup>rd</sup> ISOTOPICS training, University of Liège (Liège, Belgium)

09/2018 (5 days): 4<sup>th</sup> ISOTOPICS training, Karolinska Institutet (Stockholm, Sweden)

### **Dissemination and communication actions during ISOTOPICS**

11/2016: 1<sup>st</sup> ISOTOPICS meeting, CEA (Saclay, France)

04/2017: 2<sup>nd</sup> ISOTOPICS meeting, SANOFI (Frankfurt, Germany)

11/2017: 3<sup>rd</sup> ISOTOPICS meeting, University of Liège (Liège, Belgium)

09/2018: 4<sup>th</sup> ISOTOPICS meeting, Karolinska Institutet (Stockholm, Sweden)

### **Oral communication to conferences:**

10/2018: “New Methodologies for the Labeling of Drug Candidates”, **Journée de l’Ecole Doctorale 2MIB**, Orsay (France)

06/2018: “CO<sub>2</sub> Fixation for Late Stage Labeling of Drug Candidates”, **13<sup>th</sup> International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labeled Compounds**, Prague, (Czech Republic).

04/2018: “CO<sub>2</sub> Fixation for Late Stage Labeling of Drug Candidates”, **First International Symposium on Drug Discovery and New Therapeutics**, University of Paris-Saclay, Paris, France.

### **Poster communication to conferences:**

09/2018: “Late-Stage Carbon Labeling of Pharmaceutically Active Ureas from CO<sub>2</sub>”, **22<sup>nd</sup> International Conference on Organic Synthesis**, Florence (Italy).

05/2017: “New Methodologies for the Late Stage Labeling of Drug Candidates” **Journée des doctorants” (PhD Day)**, Saclay, France.

### **Publications:**

06/2018: “Late Stage Isotopic-Carbon Labeling of Pharmaceutically Relevant Ureas Directly from CO<sub>2</sub>” (publication), Del Vecchio, A., Caillé, F., Chevalier, A., Loreau, O., Horkka, K., Halldin, C., Schou, M., Camus, N., Kessler, P., Kuhnast, B., Taran, F., Audisio, D., *Angew. Chem. Int. Ed.* **2018**, *57*, 9744–9748 (DOI).

06/2018: “Recent Developments in Heterocycle Labeling with Carbon Isotopes” (publication), Del Vecchio, A., Destro G., Taran F., Audisio, D., *J. Labeld. Compd. Radiopharm.* **2018**; 1-20 (DOI).

05/2018: “Visible-Light-Driven Reduction of CO<sub>2</sub> to CO and Its Subsequent Valorization in Carbonylation Chemistry and <sup>13</sup>C Isotope Labeling” (publication), Gotico, P., Del Vecchio, A., Audisio, D., Quaranta, A., Halime, Z., Leibl, W., Aukaloo, A. *ChemPhotoChem* **2018**, *2*, 715 – 719 (DOI).

### **Awards**

- **Journal of Labelled Compounds & Radiopharmaceuticals Award for Junior Scientists**: delivered at the 13th International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labeled Compounds, Prague, (Czech Republic).