

Gianluca Destro

Email address: gianluca.destro@cea.fr

Birthdate: 19/07/1991

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: "CO₂ Chemistry for the synthesis of radio – labelled compounds"

Supervisor: Frederic Taran

Laboratory: Davide Audisio

Organisation: CEA Saclay DRF IBITECS SCBM LCM

Work experiences

03/2016 – 05/2016: Visiting Scientist, Prof. Ulf Nilsson, Centre for Analysis and Synthesis – University of Lund (Sweden)

11/2015 – 03/2016: Visiting Scientist, Prof. Marco Lolli and Prof.ssa Donatella Boschi, Lab supervisor: Agnese Pippione PhD, Dipartimento di Scienza e Tecnologia del Farmaco (DSTF) – University of Turin (Italy).

04/2015 – 11/2015: Master student, Prof. Marco Lolli, Lab supervisor: Agnese Pippione PhD, Dipartimento di Scienza e Tecnologia del Farmaco (DSTF) – University of Turin (Italy).

Education

10/2016 – to date: Marie Curie - Early Stage Researcher in organic chemistry

09/2010 – 11/2015: Master in Pharmaceutical and Chemistry Technologies, Prof. Marco Lolli, Lab supervisor: Agnese Pippione PhD, Dipartimento di Scienza e Tecnologia del Farmaco (DSTF) – University of Turin (Italy).

09/2005 – 06/2010: High School Diploma, Liceo Scientifico Statale Carlo Cattaneo; Via Sostegno 41 10146 Torino (Italy).

Secondments during ISOTOPICS

1/2019-3/2019: Secondment at AstraZeneca Goteborg with Dr. C. Elmore, on ¹⁴C labelling of pharmaceuticals.

11/2018- 12/2018: Secondment at Karolinska Institutet with Dr. M. Schou and Prof. C. Halldin on ^{11}C labelling of pharmaceuticals

Trainings during ISOTOPICS

11/2016 (3 days): 1st ISOTOPICS training, CEA (Saclay, France)
04/2017 (4 days): 2nd ISOTOPICS training, SANOFI (Frankfurt, Germany)
11/2017 (4,5 days): 3rd ISOTOPICS training, University of Liège (Liège, Belgium)
09/2018 (5 days): 4th ISOTOPICS training, Karolinska Institutet (Stockholm, Sweden)
03/2019 (5 days): 5th ISOTOPICS training, Oxford University (Oxford, United Kingdom)

Dissemination and communication actions during ISOTOPICS

11/2016: 1st ISOTOPICS meeting, CEA (Saclay, France)
04/2017: 2nd ISOTOPICS meeting, SANOFI (Frankfurt, Germany)
11/2017: 3rd ISOTOPICS meeting, University of Liège (Liège, Belgium)
09/2018: 4th ISOTOPICS meeting, Karolinska Institutet (Stockholm, Sweden)
03/2019: 5th ISOTOPICS meeting, Oxford University (Oxford, United Kingdom)

Oral communication

05/2019, "Dynamic carbon isotope exchange enabled labeling of pharmaceuticals with ^{13}C ", SECO56, La Clusaz, France.
03/2019, "Carbon Isotope Exchange (CIE) for the synthesis of radiolabeled compounds", invited speaker for Research in Progress Seminar Series, William Harvey Research Institute, QMUL, London, UK.
06/2018 "Carbon Isotope Exchange (CIE) for the synthesis of radiolabeled compounds", 13th International Symposium on the synthesis and application of isotopically labelled compounds, Prague, Czech republic.
Winning "Journal of Labelled Compounds and Radiopharmaceuticals Young Scientist Award" for oral presentation

Poster communication

06/2018, "Carbon Isotope Exchange (CIE) for the synthesis of radiolabeled compounds", XXII International Conference on Organic Synthesis, Florence, Italy.
04/2018, "Carbon Isotope Exchange (CIE) for the synthesis of radiolabeled compounds", International Symposium "Drug Discovery and New Therapeutics", Orsay, France.

Publication

1) Gianluca Destro, Olivier Loreau, Elodie Marcon, Frédéric Taran, Thibault Cantat, Davide Audisio, "Dynamic carbon isotope exchange enabled labeling of pharmaceuticals with ^{13}C " J. Am. Chem. Soc. 2019, 141, 2, 780-784
2) Destro G, Audisio D, Cantat T, "A process for the synthesis of carbon labeled organic compounds" 2018, Patent application EP18305407
3) Antonio Del Vecchio, Gianluca Destro, Frédéric Taran, Davide Audisio, "Recent Developments in Heterocycles Labeling with Carbon Isotopes" J Label Compd Radiopharm. 2018, 61, 988-1007