

## ESR-06 VICINI Anna Chiara

<p><b>Email address:</b> Anna.vicini@chem.ox.ac.uk</p> <p><b>Birthdate:</b> 10-02-1992</p> <p><b>Nationality:</b> Italian</p>	
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### 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:** Asymmetric Nucleophilic Fluorination via Hydrogen Bonding Phase Transfer Catalysis (HB-PTC)

**Supervisor:** Véronique Gouverneur

**Laboratory:** Chemistry Research Laboratory (CRL), 12 Mansfield Rd, Oxford, OX1 3TA, United Kingdom

**Organisation:** University of Oxford

### Work experiences

03/2016 – 08/2016: Internship at the department of “Chemical Biology and Drug Discovery” at Utrecht University (The Netherlands) as an Erasmus exchange student. Supervisor: Prof. Roland J. Pieters.

02/2014 – 07/2014: Internship at the department of Industrial Chemistry “Toso Montanari” (organic chemistry laboratories) at the University of Bologna (Italy). Supervisors: Prof. Luca Bernardi, Dr. Mariafrancesca Fochi.

### Education

10/2014 – 10/2016: Master in Chemistry, curriculum Synthetic methodologies and bioorganic chemistry (University of Bologna, Italy).

Thesis title: “A new synthetic strategy to carbohydrate-based building blocks for rigid spacers”. Supervisors: Prof. Alessandra Tolomelli (University of Bologna, Italy) and Prof. Roland J. Pieters (Utrecht University, The Netherlands). The research was carried out in the laboratories of the department of Chemical Biology and Drug Discovery at Utrecht University (The Netherlands) within the frame of the Erasmus Exchange project.

10/2011 – 10/2014: Bachelor in Industrial Chemistry (University of Bologna, Italy). Supervisors: prof. Luca Bernardi and Dr. Mariafrancesca Fochi,

department of Industrial Chemistry "Toso Montanari", University of Bologna.

09/2006 - 07/2011: Liceo Scientifico PNI A. Sorbelli (high school), Pavullo nel Frignano (MO), Italy. Title acquired: "Diploma di maturità scientifica"

### Trainings during ISOTOPICS

- 11/2016 (3 days): 1<sup>st</sup> ISOTOPICS training, CEA (Saclay, France)  
11/2016 (1 day): "Modern NMR Spectroscopy for the Research Chemist", Prof. Tim Claridge, University of Oxford (Oxford, UK)  
04/2017 (4 days): 2<sup>nd</sup> ISOTOPICS training, SANOFI (Frankfurt, Germany)  
03/2017 (0,5 days): MNova: Analysing NMR effectively, using automation tools  
MNova: Reaction Monitoring by NMR, a practical guide  
03/2017(0,5 day): Chiral HPLC separation, Dr. Brian Montgomery, HiChrom  
10/2017 (1 day): "Sharing Best Practice in HPLC/UHPLC/LCMS techniques", Earl McKoy (Oxford, UK)  
10/2017 (0,5 day): "Radiation Safety for Laboratory Workers", Dr. Mark Bradley, University of Oxford (Oxford,UK)  
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)  
03/2019 (3 days) 5<sup>th</sup> ISOTOPICS training, University of Oxford (Oxford, UK)

### 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)  
09/2017 "Organocatalytic nucleophilic fluorination" (poster), 17<sup>th</sup> Annual RSC Fluorine Subject Group Postgraduate Meeting, Leicester, UK.  
11/2017: 3<sup>rd</sup> ISOTOPICS meeting, University of Liège (Liège, Belgium)  
05/2017: "Asymmetric nucleophilic fluorination under hydrogen bonding phase-transfer catalysis" (publication), Pupo, G.\*; Ibba, F.\*; Ascough, D. M. H.\*; Vicini, A. C.; Ricci, P.; Christensen, K. E.; Pfeifer, L.; Morphy, J. R.; Brown, J. M.; Paton, R. S.; Gouverneur, V., *Science*, **2018**, 360, 638 (DOI: 10.1126/science.aar7941)  
09/2018: 4<sup>th</sup> ISOTOPICS meeting, Karolinska Institutet (Stockholm, Sweden)  
01/2019 "Hydrogen Bonding Phase-Transfer Catalysis with Potassium Fluoride: Enantioselective Synthesis of  $\beta$ -Fluoroamines" (publication) G. Pupo,\* A. C. Vicini,\* D. M. H. Ascough, F. Ibba, K. E. Christensen, A. L. Thompson, J. M. Brown, R. S. Paton, V. Gouverneur *J. Am. Chem. Soc.*, **2019**, *141*, 2878  
03/2019 5<sup>th</sup> ISOTOPICS meeting, University of Oxford (Oxford, UK)  
04/2019 *Oral presentation* at the 18<sup>th</sup> RSC Fluorine Subject Group Postgraduate Meeting (Southampton, UK)

- 05/2019 *Poster presentation* at the 2<sup>nd</sup> Chem East Organic Symposium (Norwich, UK). **Prize winner for best poster.**
- 05/2019 *Oral presentation* at the AstraZeneca symposium 2019 (Oxford, UK)

**Outreach activities during ISOTOPICS:**

- 2018: Registered as a **STEM ambassador**. It's a network of volunteers working in STEM (Science, Technology Engineering and Mathematics) related disciplines. [www.stem.org.uk](http://www.stem.org.uk)
- 10-2017/05- 2018: **Atom to Galaxy Event Manager** of Pint of Science 2018, Oxford. Logistic role in the organization of the event from finding a good venue to contacting the speakers.  
<https://pintofscience.co.uk/>
- 10-2017/10-2018: **Chemistry Coordinator** for OxHOS (Oxford hands on Science): Responsible for developing chemistry experiments for primary and secondary school students. [http://oxhos.org/Current\\_Committee](http://oxhos.org/Current_Committee)
- 08/ 2018: Volunteer at the Summer **OxHOS Roadshow** in Nottingham. We brought exciting hands-on physics, chemistry and biology experiments to various primary and secondary schools in Nottingham,UK.
- 03/2019 **ATOM Science and Technology Festival**. Demonstrator of chemistry experiments as part of OxHOS. (Abingdon-on-Thames, UK)
- 05/2019 **Tech me out Event Manager** of Pint of Science 2019, Oxford. Logistic role in the organization of the event from finding a good venue to contacting the speakers.  
<https://pintofscience.co.uk/>