



Federica Bosca

Phone number: (+39) 00 (Mobile)

● WORK EXPERIENCE

15/02/2023 – CURRENT Desenzano, Italy

HOSPITAL PHARMACIST PHARMACIST AT AZIENDA SOCIO SANITARIA TERRITORIALE DEL GARDA - PRESIDIO DI DESENZANO/ MANERBIO

- Validazione e corretta erogazione dei farmaci e DM richiesti dai reparti dei quattro presidi tramite Piattaforma NFS
- Validazione e corretta erogazione dei farmaci e DM in transito richiesti dai reparti dai quattro presidi tramite Piattaforma NFS
- Gestione delle richieste di nuova introduzione in prontuario per farmaci e DM
- Gestione delle dispensazioni farmaco in AIFA e dei rimborsi a fine trattamento
- Gestione e Fornitura di farmaci Stupefacenti per tutti i presidi
- Gestione e Fornitura di farmaci anti-HCV per tutti i presidi
- DEC di tre appalti di gara per la fornitura di disinfettanti
- Conoscenza del programma Oncosys: inserimento di nuovi protocolli e nuove specialità medicinali
- Validazione delle terapie informatizzate in Oncosys
- Gestione e riordini dei farmaci chemioterapici

Tutor: Dr. Giulia Dusi, Direttore S.C. Farmacia

01/02/2022 – 31/01/2023 Bressanone, Italy

HOSPITAL PHARMACIST

Pharmacist at Azienda Sanitaria dell' Alto Adige - Comprensorio Sanitario di Bressanone

- Organizzazione dello sportello distribuzione diretta
- Valutazione di appropriatezza delle prescrizioni
- Corretta erogazione dei farmaci prescritti
- Allestimento preparazioni galeniche per i reparti e per i pazienti con malattie rare/Fibrosi Cistica
- Gestione del portale AIFA
- Affiancamento in UFA preparazione delle terapie oncologiche

Tutor: Dr. Marco Primerano, Direttore FF S.C. Farmacia

01/05/2020 – 31/01/2022 Milano, Italy

HOSPITAL PHARMACIST

Pharmacist at Azienda Socio Sanitaria Territoriale - A.S.S.T. Niguarda Grande Ospedale Metropolitano

“Sportello dispensazione farmaci in distribuzione diretta”:

- Organizzazione dello sportello
- Valutazione di appropriatezza delle prescrizioni
- Corretta erogazione dei farmaci prescritti
- Rendicontazione File F di farmaci erogati

Tutor: Dr. Loretta Cervi, Direttore FF S.C. Farmacia

04/07/2018 – 30/04/2020 Milano, Italy

HOSPITAL PHARMACIST

Pharmacist at Azienda Socio Sanitaria Territoriale - A.S.S.T. Niguarda Grande Ospedale Metropolitano

Hepatitis Center Ambulatory fellowship: ' Collaborazione Farmacia e Hepatitis Center per il processo operativo e funzionale alla dispensazione dei farmaci anti HCV a anti HBV nell' ambulatorio dedicato' :

- anti-HBV and anti-HCV drug distribution and patients consulting in the Hepatitis Center ambulatory
- collaboration with medical doctors and S.C. Farmacia for AIFA monitoring treatments to check clinical data
- collaboration with S.C. Farmacia for drugs supplying, storage and dispensation through dedicated software
- GTIS File F by using FarmaSafe prescription procedure verification and critical issues reporting
- drugs consumption reports

Tutor: Dr. Massimo Luigi Medaglia, Direttore S.C. Farmacia

26/10/2018 – 10/02/2023 Torino, Italy

PHARMACIST

Part-time Pharmacist in Turin, Madonna delle Rose MDR Pharmacy

Tutor: Dott.ssa Valeria Arietti e Antonella Manenti

15/05/2018 – 22/07/2018

PHARMACIST

Part-time Pharmacist in Collegno, Turin

Tutor: Dott.ssa Milena Arduino

02/2018 – 06/2018

INDUSTRIAL PHARMACIST

L.i.c.a. srl Cosmetic Laboratory, Caselette Turin

Toxicological data research for cosmetic ingredients by using CIR, TOXNET, CosIng database to improve the PIF (Product Information File) quality

01/11/2017 – 31/01/2018

HOSPITAL PHARMACY ASSISTANT

Farmacia Ospedaliera della Fondazione del Piemonte per l'Oncologia IRCCS Candiolo

Voluntary worker

Main activities:

- Support worker during supplying, storage and dispensation (via File F) of antitumoral oral and subcutaneous therapies by using FarmaSafe (Dedalus)
- Coworker during AIFA anticancer drugs monitoring: resupply and dispensation
- Aid worker for oral and intravenous experimental protocols management
- Assistant helping during experimental protocols evaluation (monitor visit)
- Assistant during many no sterilized pharmaceutical preparations (mouthwash for stomatitis, Lugol 2 e 3% solution, Fucsina e Argento Nitrate solution for Cobaltotherapy, Acetic acid dilution);
- Support worker in antitumoral intravenous preparations compounding for each patient

Tutor: Dott.ssa Fiorenza Enrico (Direttore FF Farmacia Ospedaliera)

01/11/2014 – 31/10/2017

PH. D STUDENT

Ph.D. (Doctor of Philosophy) Student in Pharmaceutical and Biomolecular Sciences

Department of Drug Science and Technology (Turin)

Thesis Title: Synthesis, characterization and structure-property relationship study of molecular and supramolecular systems for sonodynamic therapy applications

Scientific Supervisor: Alessandro Barge, associate professor at University of Turin

08/02/2016 – 12/12/2016

PH. D STUDENT

Case Western Reserve University and UH University Hospital Cleveland OH (United States)

Ph.D. Student (Fellowship)

The project strove to combine synthetic porphyrins with a peculiar nanoparticles (nanobubbles) in order to obtain an US-activated theranostic agent for sonodynamic application (as new anticancer approach): formulation, characterization and *in vitro* test.

Scientific supervisor: Agata Exner, professor at Case Western Reserve University (CWRU)

26/06/2014 – 30/09/2014

MASTER STUDENT

Universidad Mayor de San Andres, La Paz, Bolivia

UNI.COO Project: UNito for International COoperation

Title Project: ESTRAZIONE E ISOLAMENTO DELLA CLOROFILLA DA *GALIPEA LONGIFLORA (Evanta)* : extraction of chlorophyll and biological active substances from Amazonian plants and samples characterization.

Scientific Supervisor: Alessandro Barge and Marco Lolli, assistants professor at University of Turin

Co-supervisor: Alberto Gimenez, professor at Universidad Mayor de San Andres, La Paz, Bolivia

01/05/2013 – 15/05/2014

MASTER STUDENT

University of Torino, Department of Drug Science and Technology

Winner of 'MFAG 2012' contract

Project of research: 'In vivo sonodynamic therapy: evaluation of cavitation effects on cancer tissue with innovative sonosensitizers': synthesis and physico-chemical characterisation of porphyrins derivatives.

Contract supported by AIRC, Italian Association for Cancer Research

Scientific supervisor: Alessandro Barge, assistant professor, University of Turin

01/09/2011 – 05/03/2012

PHARMACY ASSISTANT

Vittorio Verona Pharmacy (Italy)

Internship in Public Pharmacy:

Tutors: Dr. Sarah Leonetti and Verona Vittorio

● EDUCATION AND TRAINING

15/11/2022 Milano, Italy

HOSPITAL PHARMACIST DEGREE UNIMI, University of Milan

University of Milan (Italy)

Department of Onco-Hematology

Student at Specialization school in Toxicology and Clinical Pharmacology

27/02/2018 Torino, Italy

PH. D IN PHARMACEUTICAL AND BIOMOLECULAR SCIENCES University of Turin, Department of Drug Science and Technology

Ph.D. in Pharmaceutical and Biomolecular Sciences

Thesis Title: Synthesis, characterization and structure-property relationship study of molecular and supramolecular systems for sonodynamic therapy applications

Scientific Supervisor: Alessandro Barge, associate professor at University of Turin

26/06/2013 Torino, Italy

MS_ PROFESSIONAL PRACTICE EXAM University of Turin, Department of Drug Science and Technology

Pharmacist medical licence

15/03/2013 Torino, Italy

MS_ MASTER'S DEGREE University of Turin, Faculty of Pharmacy

Degree in Medicinal Chemistry and Pharmaceutical Technology

Master Thesis Title: NMR characterization and reactivity of pyrazolo[1,5a]-pyridine as fluorescent probe in Medicinal Chemistry

Final mark: 104/110 e menzione

Scientific Supervisor: Marco Lucio Lolli, assistant professor at University of Turin

Cosupervisor: Damien Jeannerat, senior lecturer at University of Geneva UNIGE

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	B2	B2	B2
FRENCH	B2	B2	C1	C1	B2
SPANISH	A2			A1	

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

● **DIGITAL SKILLS**

Microsoft Word | Microsoft Excel | Power Point | Google Drive | Microsoft Office | Google Docs | Oncosys | NFS | Portale AIFA | NSIS Nuovo sistema informativo sanitario | GPI | FarmaSafe

● **ADDITIONAL INFORMATION**

PUBLICATIONS

Publications

R. Giossi, D. Menichelli, F. D'Amico, L. Idotta, M. Cirino, L. Scardoni, C. Furlanetto, M. Maggi, O. Bernocchi, **F. Bosca**, L. Girlando, P. Pignatelli, A. Pani, D. Pastori, A. Tozzo, F. Scaglione, D. Fornasari, **Efficacy and safety of direct oral anticoagulants in the pediatric population: a systematic review and a meta-analysis**, Journal of Thrombosis and Haemostasis. 2023, <https://doi.org/10.1016/j.jtha.2023.07.011>

F. Bosca, F. Foglietta, A. Gimenez, R. Canaparo, G. Durando, I. Andreana, A. Barge, E. Peira, S. Arpicco, L. Serpe e B. Stella; **Exploiting Lipid and Polymer Nanocarriers to Improve the Anticancer Sonodynamic Activity of Chlorophyll**; Pharmaceutics 2020, 12, 605

F. Bosca, I. Corazzari, F. Foglietta, R. Canaparo, G. Durando, L. Pastero, S. Arpicco, F. Dosio, D. Zonari, G. Cravotto, S. Tagliapietra, L. Serpe, F. Turci e A. Barge; **SWCNT-porphyrin nano-hybrids selectively activated by ultrasound: an interesting model for sonodynamic applications**; RSC Adv., 2020, 10, 21736–21744

S. Sainas, A. C. Pippione, A. Giraud, K. Martina, **F. Bosca**, B. Rolando, A. Barge, A. Ducine, A. Federico, S. J. Grossert, R. L. White, D. Boschi and M. Lolli; **Regioselective N. Alkylation of Ethyl 4-Benzoyloxy-1,2,3-triazolecarboxylate: a useful tool for the synthesis of Carboxylic Acid Bioisosters**, J. Heterocyclic Chem. 2019, 56, 501

Federica Bosca, Peter A. Bielecki, Agata A. Exner, Alessandro Barge; **Porphyrin-Loaded Pluronic Nanobubbles: A new US-activated Agent for Future Theranostic Application**, *Bioconjugate Chem.* 2018, 29, 234-240; DOI: 10.1021/acs.bioconjchem.7b00732

Federica Bosca, Laura Orio, Silvia Tagliapietra, Ingrid Corazzari, Francesco Turci, Katia Martina, Linda Pastero, Giancarlo Cravotto and Alessandro Barge; **Microwave-assisted Synthesis and Physicochemical Characterization of Tetrafuranylporphyrin-grafted Reduced-Graphene Oxide**; *Chem. Eur. J.* 2016, 21, 1-7; DOI: 10.1002/chem.201503887

Federica Bosca, Silvia Tagliapietra, Claudio Garino, Giancarlo Cravotto and Alessandro Barge; **Extensive methodology screening of meso-tetrakis-(furan-2-yl)-porphyrin microwave-assisted synthesis**; *New J. Chem.* 2016, 40, 2574-81; DOI: 10.1039/c5nj02888d

F Bosca, J. C. Ticona, A. Giménez, N. Flores, R. Chuqui, A. Barge and M. L. Lolli, **Chlorophylls: from Evanta byproduct to natural porphyrin source**, *JUNCOO (Journal of UNiversities and international development COoperation)* 2017, 1

DRIVING LICENCE

Driving Licence: B
