

Roberta Fretta

PERSONAL INFORMATION

Address: [REDACTED]
Mobile: [REDACTED]
e-mail: [REDACTED]
Date of birth: [REDACTED]
Nationality: Italian

SUMMARY

I have over 15 years of experiences in the field of process development, focused on active pharmaceutical ingredients manufacturing.

My core competencies cover the entire process lifecycle, from laboratory studies to commercial production. I have a solid experience in Design of Experiments, robustness studies and several purification techniques, among which ultra and nanofiltration, ion exchange and reverse phase chromatographic purification.

As a project leader, I manage complex projects involving several organizational functions/external suppliers. A strong attitude to solve problems and a customer-oriented approach complete my professional profile.

CORE COMPETENCES

Organisational and managerial skills

Team leader for multidisciplinary projects
Budget management
General management of complex structures (maintenance, procedures evaluation and application, inspections, emergency issues, people management up to 90 headcount)
Supervision of external collaborations and international partnerships

Job-related competences

Lab scale process development: feasibility, optimization, robustness studies
Design of Experiments; QbD; PAT
Spray drying, nanofiltration, ion exchange, RP chromatography scale up
Scale up to pilot and industrial plant
Support to start-up of new industrial plants
Technology transfer documentation
Troubleshooting; quality investigations
Support to RA (CMC submission; responses to Regulatory agencies)
Process analysis: critical points, process times and bottlenecks, plant capability and cost evaluation, material balances, risk assessment
Patent and literature analysis; new patent draft preparation
Lean Manufacturing projects

Other professional skills

Familiarity with the most common analytical techniques (HPLC; GC; NMR; MS; NIR; IR; XRPD; PSD measurement; etc).

Mother tongue

Italian

Other language

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

WORK EXPERIENCE

BRACCO IMAGING S.p.A

Contrast agents for diagnostic imaging
Colleretto Giacosa (TO), Italy

From November 2019

Research Centre Director (Global R&D)

Manager of the main R&D centre of the company, including chemical, analytical biological and animal test facilities. Headcount: 90 direct and indirect reports.

March – October 2019

Process Innovation Manager (Global R&D)

Responsible for process innovation and process LCM activities for all the company APIs. Headcount: 12 indirect reports.

Jan 2015 - Mar 2019

Process Chemistry Head (Global Innovation & Technical Operation – API)

Process development and optimization, pilot scale up, technology transfer, support during validation and routine commercial manufacturing, troubleshooting. Headcount: 10-15 direct and indirect reports.

May 2007 - Jan 2015

Laboratory manager and Process Innovation Team Leader (Process chemistry, R&D Department)

Process development and optimization for API manufacturing. Headcount: 4 direct and 8 indirect reports (researches).

TEVA SICOR S.r.l.

Highly potent generic drugs (hormones, antitumorals and steroids)
Santhià (VC), Italy

Feb 2003 – May 2007

Process development researcher (R&D department): development and optimization of industrial manufacturing processes for highly potent API.

INNOSENSE S.r.l.

Biotechnologies
Colleretto Giacosa (TO), Italy

Nov 2000 -Nov 2002

Researcher (R&D laboratory): synthesis and purification of fluorescent labelling dyes.

NYCOMED AMERSHAM SORIN S.r.l.

Radiolabelled drugs and contrast agents for diagnostic imaging
Saluggia (VC), Italy

Jun 2000 – Oct 2000

Quality assurance operator (in process controls; documentation preparation).

EDUCATION & TRAINING

*October 1993 – March
1999*

Degree in **Medicinal Chemistry and Pharmaceutical Technologies**
5 year course; 110/110 *cum laude*
Faculty of Pharmacy, University of Torino (Italy).

1988-1993

Secondary school leaving certificate (60/60)
Liceo Scientifico Statale Marie Curie, Grugliasco (Torino).

ADDITIONAL INFORMATION

Others

License to practice Chemistry (7/6/2000).
Licence for the use of toxic gases (ammonia, cyanide salts, ethylene epoxide; 22/5/2008).

Hobbies & Sports

Ceramics modelling and decoration; running; long distance trekking.

Note

Available to relocation.

PATENT APPLICATIONS

- WO2018224581 A process for the recovery of iodine from aqueous solutions
- WO2018104228: Mechanochemical synthesis of radiographic agents intermediates
- WO2016012386: Preparation of a solid form of gadobenate dimeglumine
- WO2015189244: Method for the preparation of (s)-2-acetyloxypropionic acid and derivatives thereof
- EP2327395: Process for the preparation of gadobenate dimeglumine complex in a solid form
- WO2010121904: Process for the iodination of aromatic compounds
- WO2010105983: Process for the preparation of triiodinated carboxylic aromatic derivatives
- WO2006108155: Process for the preparation of anticancer drugs
- WO2006024016: Synthesis of idarubin aglycone
- WO2006020885: Process for the preparation of 3-oximino steroids