

## INFORMAZIONI PERSONALI

## Elena Pini



📍 Dipartimento di Scienze Farmaceutiche  
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Sex Female | Date of birth 30/10/1962 | Nationality Italian

## WORKING POSITION

Research assistant professor at the University of Milan, Department of Pharmaceutical Science

Via Golgi 19 Edificio 1 Ingresso C, 20133 Milano

## WORK EXPERIENCE

February 2016 until today  
Settembre 2015 ad oggi  
2002

President of Commissione Paritetica for the degree in SSCTA

Vice President for the degree in SSCTA

Research Assistant Professor at the University of Milan, Department of Pharmaceutical Science, SSD CHIM06

2000-2002

Research grant, biennial renewal

1998-2000

Biennial Research grant

1996-1998

Post doctoral grant

## ISTRUZIONE E FORMAZIONE

1992-1995

Ph.D. in Medicinal Chemistry (VII Ciclo) University of Milan

1991

Qualified as a Pharmacist

1990

Doctor of Pharmaceutical Chemistry and Technology at the University of Milan,

## COMPETENZE PERSONALI

Mother tongue

Italian

Other languages

English

Professionals skills

The research activity is focused on organic synthesis and analytical chemistry.

Actual research fields:

a. Synthesis and chemical-physical characterization of molecules with potential biological activity

Other skills

b. Solid state characterization of drugs in bulk and in formulation.

Use of analytical techniques such as FTIR, UV-visible, NMR, mass spectrometry, DSC, DRX

## ULTERIORI INFORMAZIONI

Teaching experiences

2003-2004 until 2010

Chemistry laboratory –Pharmaceutical Biotechnology

2004-2005 until 2007

Chemical and chemical-physical characterization of API and API Molecular characterization CdL CTF

- 2007-2008 until 2013-2014 Physical methodology for the study of bioorganic compounds
- 2010-2011 ad oggi Organic chemistry and laboratory for CdL SSCTA
- 2013-2014 ad oggi Spectroscopic Methods in Organic Chemistry for CDL in Biotechnology
- Project funded**
- 1) **CARIPLO 2010**: Conducting polymers and silyane based coatings for the protection of lightweight alloys
  - 2) **Progetto Linea 2 B 2015, 2016, 2017, 2018**: Inhibitors of Salicylate Synthase from *Mycobacterium tuberculosis*: a novel strategy to antitubercular drugs
- Publications**
- The research activity, documented by 50 publications, 3 patent and seven Congress fundings
1. L.R. Chiarelli, M. Mori, D. Barlocco, G. Beretta, A. Gelain, E. Pini, M. Porcino, G. Mori, G. Stelitano, L. Costantino, M. Lapillo, D. Bonanni, G. Poli, T. Tuccinardi, Stefania Villa and F. Meneghetti. Discovery and Development of Novel Salicylate Synthase (MbtI) Furanic Inhibitors as Antitubercular Agents *European Journal of Medicinal Chemistry* **2018**, 155, 754e763.
  2. E. Pini, G. Poli, T. Tuccinardi, L.R. Chiarelli, M. Mori, A. Gelain, L. Costantino, S. Villa, F. Meneghetti and D. Barlocco New chromane-based derivatives as inhibitors of *Mycobacterium tuberculosis* salicylate synthase (MbtI): preliminary biological evaluation and molecular modeling studies *Molecules* **2018**, 23, 1506. R. Gandolfi, A.
  3. Contini, D. Pinto, B. Marzani, S. Pandini, D. Nava, E. Pini Synthesis and biological evaluation of new natural phenolic 2E, 4E, 6E octatrienoic esters *Chemistry and Biodiversity*, **2017**, 14 (12).
  4. E. Volpi, L. Falciola, M. Trueba, S.P. Trasatti, M.C. Sala, E. Pini, A. Contini Pyrrolyl silicon compounds with different alkyl spacer lengths: synthesis, electrochemical behavior and binding properties *Synmet*, **2017**, 231, 127-136.
  5. M. Ravaghi, C. Sinico, S. H. Razavi, S. Mohamma, E. Pini, A.M. Fadda Proniosomal powders of natural canthaxanthin: preparation and characterization *Food Chemistry*, **2017**, 220, 233-241
  6. C. Sinico, R. Pireddu, E. Pini, D. Valenti, C. Cadeo, A.M. Fadda, F. Lai Enhancing topical delivery of resveratrol through a nanozing approach. *Planta Medica*, **2016**, 83(5), 476-481.
  7. G. Giuliani, A. Benedusi, B. Marzani, S. Baroni, E. Pini Active compound and related composition for dermatological use in the pharmaceutical or cosmetic field. WO 2016020350 A1 20160211, **2016**
  8. G. Giuliani, A. Benedusi, B. Marzani, S. Baroni, E. Pini, R. Gandolfi Compounds with a combined antioxidant activity against free radicals together with an anti-inflammatory action, and pharmaceutical and cosmetic compositions containing them for the treatment of skin and hair. WO2015135927A1 20150917, **2015**
  9. N. Basilico, M. Migotto, Patoine wende Ilboudo D., Taramelli D., Stradi R., Pini E. Modified quaternary ammonium salts as potential antimalarial agents. *Bioorganic & Medicinal Chemistry*, **2015**, 23, 4681-4687.
  10. N. Ferri, G. Facchetti, S. Pellegrino, C. Ricci, G. Curigliano, E. Pini, I. Rimoldi. Antiproliferative platinum(II) complexes based on imidazole moiety: synthesis, evaluation in HCT-116 cancer cell line and interaction with Ctr-1 Met-rich domain. *Bioorganic & Medicinal Chemistry* **2015**, 23, 2538-2547,
  11. Andreea Ionescu, Raffaella Lento, Teresa F. Mastropietro, Iolinda Aiello, Roberto Termine, Attilio Golemme, Mauro Ghedini, Nathalie Bellec, Elena Pini, Isabella Rimoldi, and Nicolas Godbert Electropolymerized highly photoconductive thin films of cyclopalladated and cycloplatinated complexes. *ACS Applied Materials & Interfaces* **2015**, 7(7), 4019-4028.
  12. Francesco Lai, Ilaria Franceschini, Francesco Corrias, Maria Chiara Sala, Francesco Cilurzo, Chiara Sinico\*, Elena Pini Maltodextrin fast dissolving films for quercetin nanocrystal delivery. A feasibility study. *Carbohydrate Polymers* **2015**, 121,

217-223.

13. Jocelyn Hudon, Karen L. Wiebe, Elena Pini and Riccardo Stradi Plumage pigment differences underlying the yellow-red differentiation in the northern flicker (*Colaptes auratus*) *Comparative Biochemistry and Physiology Part B* **2015**, 183, 1-10.

14. Francesco Lai, Elena Pini, Francesco Corrias, Jacopo Perricci, Maria Manconi, Anna Maria Fadda, Chiara Sinico Formulation strategy and evaluation of nanocrystal piroxicam orally disintegrating tablets manufacturing by freeze-drying *International Journal of Pharmaceutics*. **2014**, 467 (1-2), 27-33.

15. Francesco Lai, Rosa Pireddu, Francesco Corrias, Anna Maria Fadda, Donatella Valenti, Elena Pini Chiara Sinico. Nanosuspension improves tretinoin photostability and delivery to the skin. *International Journal of Pharmaceutics* **2013**, 458, 104-109..

16. Francesca Mainini, Alessandro Contini, Donatella Nava, Paola Antonia Corsetto, Angela Maria Rizzo, Elisabetta Agradi, Elena Pini\*. Synthesis, molecular characterization and preliminary antioxidant activity evaluation of quercetin fatty esters. *Journal of the American Oil Chemists' Society*. **2013**, 90, 1751-1759.

17. Simona Mura, Maria Manconi, Anna Maria Fadda, Maria Chiara Sala, Jacopo Perricci, Elena Pini, Chiara Sinico. Penetration enhancer-containing vesicles (PEVs) for cutaneous delivery of minoxidil: infrared spectroscopy characterization. *Pharmaceutical development and technology*. **2013**, 18(6), 1339-1345.

#### Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".

Data, 30 Ottobre 2018

Firma

