

Sebastiano Intagliata

Post-Doctoral Associate
Department of Medicinal Chemistry
College of Pharmacy
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• EDUCATION

February 2016

Doctor of Philosophy in Pharmaceutical Sciences
Dipartimento di Scienze del Farmaco, Università di Catania, Viale A. Doria 6,
95125 Catania, Italy
Dissertation title: "New alkylpiperazines as 5-HT₇R ligands"
Advisor: Maria N. Modica, Ph.D.

July 2012

Master's degree in Chemistry and Pharmaceutical Technology
Dipartimento di Scienze del Farmaco, Università di Catania, Viale A. Doria 6,
95125 Catania, Italy.
Dissertation title: "New quinazoline derivatives as potential 5-HT₇R ligands"
Advisor: Maria N. Modica, Ph.D.

• RESEARCH EXPERIENCE

January 2017 – Present

Post-Doctoral Associate, Department of Medicinal Chemistry, College of
Pharmacy, University of Florida. Gainesville, FL, USA
Supervisor: Christopher R. McCurdy, Ph.D.
Work description: design and synthesis of sigma receptor ligands, and opioid
derivatives.

May 2016 – January 2017

Post-Doctoral Associate, Department of BioMolecular Sciences, School of
Pharmacy, University of Mississippi, Oxford, MS, USA
Supervisor: Christopher R. McCurdy, Ph.D.
Work description: design and synthesis of sigma receptor ligands, and opioid
derivatives.

July 2015 – September 2015

Visiting scholar working, University of Mississippi, Oxford, MS, USA
Supervisor: Christopher R. McCurdy, Ph.D.

Work description: design and synthesis of new benzo[d]thiazol-2(3*H*)one based sigma-1 receptor ligands

January 2015 – May 2015

Visiting PhD Student, Institute of Pharmacology of the Polish Academy of Sciences, Department of Medicinal Chemistry, Krakow, Poland.

Supervisor: Andrzej J. Bojarski, Ph.D.

Work description: homology modeling of G-protein-coupled receptors, virtual screening, ligand docking, pharmacophore modeling, theoretical conformational analysis, prediction of physico-chemical, and pharmacokinetic properties of chemical compounds, in silico studies of ligand-receptor interactions

• PEER-REVIEWED PUBLICATIONS

Intagliata, S.; Modica, M.N.; Pittalà, V.; Salerno, L.; Siracusa, M.A.; Cagnotto, A.; Salmona, M.; Kurczab, R.; Romeo, G. New *N*- and *O*-arylpiperazinylalkyl pyrimidines and 2-methylquinazolines derivatives as 5-HT₇ and 5-HT_{1A} receptor ligands: Synthesis, structure-activity relationships, and molecular modeling studies. *Bioorg. Med. Chem.*, **2017**, 25, 1250.

Intagliata, S.; Modica, M.N.; Pittalà, V.; Salerno, L.; Siracusa, M.A.; Cagnotto, A.; Salmona, M.; Romeo, G. Design and synthesis of new homo and hetero bis-piperazinyl-1-propanone derivatives as 5-HT₇R selective ligands over 5-HT_{1A}R. *Bioorg. Med. Chem. Lett.*, **2016**, 26, 4052.

Modica, M.N.; **Intagliata, S.**; Pittalà, V.; Salerno, L.; Siracusa, M.A.; Cagnotto, A.; Salmona, M.; Romeo, G. Synthesis and binding properties of new long-chain 4-substituted piperazine derivatives as 5-HT_{1A} and 5-HT₇ receptor ligands. *Bioorg. Med. Chem. Lett.*, **2015**, 25, 1427.

Salerno, L.; Pittalà, V.; Modica, M.N.; Siracusa, M.A.; **Intagliata, S.**; Cagnotto, A.; Salmona, M.; Kurczab, R.; Bojarski, A.J.; Romeo, G. Structure-activity relationships and molecular modeling studies of novel arylpiperazinylalkyl 2-benzoxazolones and 2-benzothiazolones as 5-HT₇ and 5-HT_{1A} receptor ligands. *Eur. J. Med. Chem.*, **2014**, 85, 716.

• CONFERENCE CONTRIBUTIONS

Oral presentation:

Modica, M.N.; Salerno, L.; **Intagliata, S.**; Romeo, G.; Pittalà, V.; Panico, A.M.; Crascì, L.; Puglisi, G.; Montenegro, L. Attività antiossidante in vitro di

derivati dell'idebenone. Workshop delle sezioni Sicilia-Calabria SCI, Messina, 9-10 Febbraio **2017**, CO-13.

Intagliata, S.; Modica, M.N.; Romeo, G.; Pittalà, V.; Salerno, L.; Siracusa, M.A.; Cagnotto A. New alkylpiperazines as 5-HT₇R ligands. XXV Congresso della Società Chimica Italiana. SCI-2014. Arcavacata di Rende, Cosenza, 7-12 September **2014**, p. 305.

Poster presentation:

Romeo, G.; Pittalà, V.; Salerno, L.; Modica, M.N.; Candido, M.: **Intagliata, S.**; Marrazzo, A.; Amata, E.; Cagnotto, A.; Salmons, M.; Siracusa, M.A. Novel selective ligands for the serotonergic 5-HT₇ receptor: tricyclic derivatives bearing the pyrimido-4(3*H*)-one ring. XXIV NMMC & 10th NPCF - September 11th-14th **2016**, Perugia (Italy), PC-131.

Romeo, G.; Modica, M.N.; Salerno, L.; Pittalà, V.; **Intagliata, S.**; Cagnotto, A.; Salmons, M.; Siracusa, M.A. Thieno[3,2-*d*]pyrimidine as a scaffold for 5-HT₇ receptor ligands. XXV Congresso della Società Chimica Italiana. SCI-2014. Arcavacata di Rende, Cosenza, 7-12 September **2014**, p. 370-370.

Modica, M.N.; **Intagliata, S.**; Romeo, G.; Pittalà, V.; Salerno, L.; Siracusa, M.A.; Cagnotto, A. New thienopyrimidine and quinazoline derivatives as potential 5-HT₇ receptor ligands. Polish-Austrian-Czech-Germany-Greek-Hungarian-Italian-Slovak-Slovenian VIIIth Joint Meeting on Medicinal Chemistry, Lublin, Poland, June 30- July 4 **2013**, p. 31.

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

September 2017 – Present

American Association of Pharmaceutical Sciences (AAPS)

February 2017 – Present

National Postdoctoral Association (NPA)

July 2014 – Present

Member of the Italian Chemical Society (SCI)

- **REVIEWER FOR SCIENTIFIC JOURNALS**

Bioorganic & Medicinal Chemistry, Elsevier

Med. Chem. Comm., Royal Society of Chemistry Publishing

Letters in Organic Chemistry, Bentham Science