

Gian Cesare Tron

PERSONAL DATA

Born in 1969

BIO AND EDUCATION

Gian Cesare Tron was born in 1969 and at present, he is an Associate Professor of Medicinal Chemistry at the Università del Piemonte Orientale (Novara, Italy). He received his degree in Chimica e Tecnologia Farmaceutiche in 1994 and his Ph.D. in Organic Chemistry in 2001 at the Università di Torino (Italy) under the supervision of Prof. Giovanni Appendino. Over the years, he spent sabbatical leaves in the laboratory of Prof. Jieping Zhu (Institut de Chimie des Substances Naturelles - Gif-sur-Yvette, France), Varinder K. Aggarwal (School of Chemistry – Bristol, UK) and Valery Fokin (The Scripps Institute – La Yolla, USA). His personal scientific formation and his views on chemistry resulted from all those different experiences. In 2007 he was awarded the Farmindustria Prize for his achievements in medicinal chemistry. His research interests concern the discovery of new multicomponent reactions and their application in the field of medicinal chemistry. His scientific production counts 73 articles and 2 patents (May 2016).

UNIVERSITY CAREER

2012-	Associate Professor, Università del Piemonte Orientale
2001-2012	Researcher, Università del Piemonte Orientale

MAIN FIELDS OF INTEREST

1. Multicomponent reactions
2. Isocyanides chemistry
3. Drug design
4. Antitumoral drugs
5. Kinase inhibitors

CURRENT ISSUES OF RESEARCH

1. Discovery of novel multicomponent reactions isocyanide mediated
2. Synthesis of antitubulin compounds

- Synthesis of PI3 kinase and DAG kinase inhibitors
- Synthesis of Nicotinamide phosphoribosyltransferase inhibitors
- Synthesis of TRPM8 modulators

CURRENT FUNDED PROJECTS

PROGRAMME	FUNDED PROJECT
Telethon 2013	Role of SAP-mediated inhibition of DGKa in regulating restimulation induced cell death (RICD): does DGKa targeting rescue RICD in XLP patients?

TOP FIVE PAPERS

- Pirali T, Mossetti R, Galli S, Tron G.C. "Stereospecific synthesis of syn- α -oximinoamides by a three-component reaction of isocyanides, syn-chlorooximes, and carboxylic acids". *Org Lett.* **2011**, 13, 3734-3737.
- Mossetti R, Pirali T, Saggiorato D, Tron G. C. "Imides: forgotten players in the Ugi reaction. One-pot multicomponent synthesis of quinazolinones". *Chem Commun* **2011**, 47, 6966-6968.
- Giovenzana, Giovanni Battista; Tron, Gian Cesare; Di Paola, Stefano; Menegotto, Ivan Guglielmo; Pirali, Tracey "Split the primary amine in two: secondary diamines may play the role of the primary amine in the Ugi 4CR" *Angew. Chem. Int. Ed. Eng.* **2006**, 7, 1099-1102
- Colombano, Giampiero, Travelli, Cristina; Galli, Ubaldina; Caldarelli, Antonio; Chini, Maria Giovanna; Canonico, Pier Luigi; Sorba, Giovanni; Bifulco, Giuseppe; Tron; Gian Cesare; Genazzani, A. Armando "A novel potent nicotinamide phosphoribosyltransferase inhibitor synthesized via click chemistry" *J. Med. Chem.* **2010**, 46, 267-269.
- Galli U., Travelli C., Aprile S., Arrigoni E., Torretta S., Grosa G., Massarotti A., Sorba G., Canonico P.L., Genazzani A.A., Tron G.C. Design, Synthesis and Biological Evaluation of Combretabenzodiazepines: a Novel Class of Antitubulin Agents *J. Med. Chem.*, **2015**, 58, 1345-1357.

AWARDS

- Farindustria prize 2007