Short CV – Antimo Gioiello

Antimo Gioiello is Associate Professor at the Department of Pharmaceutical Sciences of the University of Perugia (Italy). After studying organic synthesis, he obtained his PhD in medicinal chemistry with Professor Roberto Pellicciari. He was visiting scientist at the University of Western Brittany (UBO, France), University of Vienna (Austria) and Glaxo Smith Kline (UK). Antimo has led several academic and industrial collaborations and his work experience spans various stages of early drug discovery mainly in the area of liver, CNS and metabolic diseases including cancer. His main research interests include steroid chemistry, the discovery of NCEs and chemical probes for nuclear and membrane receptors, and the development of enabling synthesis and chemical technologies for lead discovery and process chemistry optimization. He is also a co-founder of TES Pharma (www.tespharma.com), a research-based biopharmaceutical company focussed on delivering first in class preclinical candidates for novel therapeutic targets. Antimo Gioiello has co-authored more than 100 scientific papers published in international peer-review journals, and holds several patents in process chemistry and bile acid receptor field. In 2018, he was acknowledged as Full Professor in Medicinal Chemistry in the framework of the national scientific habilitation process (ASN). Currently, Antimo is member of the Board of Directors at the University of Perugia, member of the ESMEC scientific committee, responsible for the drug discovery research programs at the University of Perugia ('Piano di Ateneo di Azioni collaborative e trasversali in material di Ricerca e Terza Missione'), and serves as Presidente della Società Chmica Italiana – Sezione Umbria.

Selected publications:

1. Moroni, G.; Calabria, D.; Quintavalla, A.; Lombardo, M.; Mirasoli, M.; Roda, A.; Gioiello, A.* "Thermochemiluminescence–based Sensitive Probes: Synthesis and Photophysical Characterization of New Acridine-containing 1, 2-Dioxetanes Focusing on Fluorophore Push–Pull Effects" *ChemPhotoChem* **2021**, *6*, e202100152.

2. Perino, A.; Velázquez-Villegas, L. A.; Bresciani, N.; Sun, Y.; Huang, Q.; Fénelon, V. S.; Castellanos-Jankiewicz, A.; Zizzari, P.; Bruschetta, G.; Jin, S.; Baleisyte, A.; Gioiello, A.; Pellicciari, R.; Ivanisevic, J.; Schneider, B. L.; Diano, S.; Cota, D.; Schoonjan, K. "Central Anorexigenic Actions of Bile Acids are Mediated by TGR5" *Nature Metab.* **2021**, *3*, 595–603.

3. Gioiello, A.; Piccinno, A.; Lozza, A. M.; Cerra, B. "The Medicinal Chemistry in the Era of Machines and Automation: Recent Advances in Continuous Flow Technology" *J. Med. Chem.* **2020**, *63,* 6624-6647.

4. Mancino, V.; Croci, F.; Lozza, A. M.; Cerra, B.; Gioiello, A. "Streamlined Synthesis of the Neurosteroid 3β-Methoxypregnenolone Assisted by Statistical Experimental Design and Automation" *React. Chem. Engineer.* **2020**, *5*, 300-307.

5. Pellicciari, R.; Passeri, D.; De Franco, F.; Mostarda, S.; Filipponi, P.; Colliva, C.; Gadaleta, R. M.; Franco, P.; Carotti, A.; Macchiarulo, A.; Roda, A.; Moschetta, A.; Gioiello, A. "Discovery of 3α,7α,11β-Trihydroxy-6α-ethyl-5β-cholan-24-oic Acid (TC-100), a Novel Bile Acid as Potent and Highly Selective FXR Agonist for Enterohepatic Disorders" *J. Med. Chem.* **2016**, *59*, 9201-9214.

6. Filipponi, P.; Ostacolo, C.; Novellino, E.; Pellicciari, R.; Gioiello, A. "Continuous Flow Synthesis of Thieno[2,3-disoquinolin-5(4H)-one Scaffold: A Valuable Source of PARP-1 Inhibitors" *Org. Proc. Res. Dev.* **2014**, *18*, 1345-1353.