

CURRICULUM VITAE DR. MICHELE CIULLA

Dr. Michele Ciulla graduated in Pharmaceutical Chemistry and Technology at the University of Catania in 2013. In the same year he became licensed as pharmacist. In January 2014 he started his PhD supervised by Prof. Dr. Antonio Di Stefano. In April 2017 he obtained the PhD in Biomolecular and Pharmaceutical Sciences, with the additional title of *Doctor Europaeus* and, since May 2017, he started his postdoctoral training in the design, synthesis and vehiculation of new biologically active compounds. Moreover, in 2018 he started to work in the field of pharmaco-economic and health technology assessment. He is currently researcher (RTD-A PON AIM) on Organic Chemistry (sector 03/C1) at the Department of Pharmacy, “G. d’Annunzio” University of Chieti – Pescara. Regarding the didactics, at the same Department, from the academic year 2019-2020 he obtained a teaching position for the advanced course of Nuclear Magnetic Resonance with laboratory. During his PhD and the following period, he has been involved in seminars and tutoring activities as well as being a member of the examination committee regarding Pharmaceutical Technology, Drug Analysis and Organic Chemistry. From January 2015 to March 2016 he worked as visiting PhD at the Utrecht Institute for Pharmaceutical Sciences supervised by Prof. Dr. Ir. W.E. Hennink.

The research interest of Michele Ciulla is focused on the development and testing of new low concentration hydrate clathrate inhibitors for Flow Assurance in natural gas plants, the study of promoters of hydrated clathrates for the transport and storage of methane, the development of methods for the capture and the separation of CO₂ from biogas. His research activity is well documented by many papers published in peer-reviewed international scientific journals.

SELECTED PAPERS:

1. Siani, G., Tiecco, M., Di Profio, P., Guernelli, S., Fontana, A., Ciulla, M., Canale, V. Physical absorption of CO₂ in betaine/carboxylic acid-based Natural Deep Eutectic Solvents (2020) *Journal of Molecular Liquids*, 315, art. no. 113708.
2. Fiorito, S., Genovese, S., Palumbo, L., Scotti, L., Ciulla, M., di Profio, P., Epifano, F. Umbelliprenin as a novel component of the phytochemical pool from *Artemisia* spp (2020) *Journal of Pharmaceutical and Biomedical Analysis*, 184, art. no. 113205.
3. Pagoni, A., Marinelli, L., Di Stefano, A., Ciulla, M., et al. Novel anti-Alzheimer phenol-lipoyl hybrids: Synthesis, physico-chemical characterization, and biological evaluation (2020) *European Journal of Medicinal Chemistry*, 186, art. no. 111880.
4. Ciulla, M., Marinelli, L., Cacciatore, I., Di Stefano, A. Role of Dietary Supplements in the Management

of Parkinson's Disease (2019) *Biomolecules*, 9, Article n.: 271.

5. Di Stefano, A., Marinelli, L., Eusepi, P., Ciulla, M., Fulle, S., Di Filippo, E. S., Magliulo, L., Di Biase, G., Cacciatore, I. Synthesis and Biological Evaluation of Novel Selenyl and Sulfur-L-Dopa Derivatives as Potential Anti-Parkinson's Disease Agents (2019) *Biomolecules*, 9, Article n.: 239.
6. Marinelli, L., Fornasari, E., Eusepi, P., Ciulla, M., et al. Carvacrol Prodrugs as Novel Antimicrobial Agents (2019) *European Journal of Medicinal Chemistry*, 178, pp. 515-529. DOI: 10.1016/j.ejmech.2019.05.093.
7. Bernabò, N., Machado-Simoes, J., Valbonetti, L., Ramal-Sanchez, M., Capacchietti, G., Fontana, A., Zappacosta, R., Palestini, P., Botto, L., Marchisio, M., Lanuti, P., Ciulla, M., Di Stefano, A., Fioroni, E., Spina M., Barboni B. Graphene Oxide increases mammalian spermatozoa fertilizing ability by extracting cholesterol from their membranes and promoting capacitation (2019) *Scientific Reports*, 9, Article n.: 8155.
8. Cacciatore, I., Ciulla, M., Marinelli, L., Eusepi, P., Di Stefano, A. Advances in prodrug design for Parkinson's disease (2018) *Expert Opinion on Drug Discovery*, 13 (4), pp. 295-305.
9. Kostadinova, A.I., Middelburg, J., Ciulla, M., Garssen, J., Hennink, W.E., Knippels, L.M.J., van Nostrum, C.F., Willemsen, L.E.M. PLGA nanoparticles loaded with beta-lactoglobulin-derived peptides modulate mucosal immunity and may facilitate cow's milk allergy prevention (2018) *European Journal of Pharmacology*, 818, pp. 211-220.
10. Ciulla, M., Di Stefano, A., Marinelli, L., Cacciatore, I., Di Biase, G. RNAIII Inhibiting Peptide (RIP) and derivatives as potential tools for the treatment of *S. aureus* biofilm infections (2018) *Current Topics in Medicinal Chemistry*, 18 (24), pp. 2068-2079.
11. Marinelli, L., Fornasari, E., Di Stefano, A., Turkez, H., Arslan, M.E., Eusepi, P., Ciulla, M., Cacciatore, I. (R)- α -Lipoyl-Gly-L-Pro-L-Glu dimethyl ester as dual acting agent for the treatment of Alzheimer's disease (2017) *Neuropeptides*, 66, pp. 52-58.
12. Cacciatore, I., Fornasari, E., Marinelli, L., Eusepi, P., Ciulla, M., Ozdemir, O., Tatar, A., Turkez, H., Di Stefano, A. Memantine-derived drugs as potential antitumor agents for the treatment of glioblastoma (2017) *European Journal of Pharmaceutical Sciences*, 109, pp. 402-411.
13. Cacciatore, I., Ciulla, M., Fornasari, E., Marinelli, L., Di Stefano, A. Solid lipid nanoparticles as a drug delivery system for the treatment of neurodegenerative diseases (2016) *Expert Opinion on Drug Delivery*, 13 (8), pp. 1121-1131.