

MATTIA TIBONI

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ABOUT ME

I graduated in Pharmaceutical Chemistry and Technology at the University of Urbino Carlo Bo in 2018 defending an experimental thesis entitled "Mannose-decorated lignin nanoparticles: A new potential carrier for targeted therapy". Currently, as a Ph.D. student at the University of Urbino Carlo Bo, I am developing my research activity under the supervision of Prof. Luca Casettari. In the framework of my Ph.D., my research is mainly focused on nanomedicine and 3D printing. I'm mostly interested in innovative drug delivery systems and in development of devices useful in the pharmaceutical field such as microfluidic chips. Among my actual research projects there are biomimetic nanovesicles, polymeric nanoparticles and 3D printed device with a controlled drug release.

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- Natassa Pippa, Athanasios Skouras, Nikolaos Naziris, Francesca Biondo, **Mattia Tiboni**, Hector Katifelis, Maria Gazouli, Costas Demetzos & Luca Casettari (2019) "Incorporation of PEGylated δ -decalactone into lipid bilayers: thermodynamic study and chimeric liposomes development", *Journal of Liposome Research*, DOI: 10.1080/08982104.2019.1625377
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- Serena Bertoni, Ariella Machness, **Mattia Tiboni**, Raquel Bartolo and Helder A. Santos "Reactive oxygen species responsive nanoplatfoms as smart drug delivery systems for gastrointestinal tract targeting", *Biopolymers*, 2019, In press DOI: 10.1002/bip.23336
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- Guidotti, G., Soccio, M., Posati, T., Sotgiu, G., **Tiboni, M.**, Barbalinardo, M., Valle, F., Casettari, L., Zamboni, R., Lotti, N., Aluigi, A., 2020. Regenerated wool keratin-polybutylene succinate nanofibrous mats for drug delivery and cells culture. *Polym. Degrad. Stab.* 179, 109272. <https://doi.org/10.1016/j.polymdegradstab.2020.109272>