Effect of Cyanotoxins on 3D in vitro liver models

Riju Roy Chowdhury¹, Marina Felipe Grossi¹, Darshak Chandulal Gadara¹, Iva Sovadinová¹, Vladimír Rotrekl^{2,3}, Zdeněk Spáčil ¹, Pavel Babica ^{1, 4}

MUNI RECETOX SCI

- ¹RECETOX, Faculty of Science, Masaryk University, Kamenice 5, Brno, Czech Republic
- ²Department of Biology, Faculty of Medicine, Masaryk University, Kamenice 5, Brno, Czech Republic
- ³International Clinical Research Center (ICRC), St. Anne's University Hospital, Pekařská 53, Brno, Czech Republic





Czech Science Foundation project No. GA19-19143S
 Czech Ministry of Education, Youth and Sports (No. LM2018121), and CETOCOEN EXCELLENCE Teaming 2 project supported by Horizon 2020 (No. 857560) and the
 (12000 cells/Spheroid)
 MC-LR toxicity- to be tested in advanced 3D models (Stay abroad internship)
 HepG2 Spheroids in dynamic culture- Speed and seeding density optimized for spheroids growing in Bioreactors

Czech ministry of Education, Youth and Sports (No. 02.1.01/0.0/0.0/18_046/0015975).

(Synthecon)

Work in Progress:

3D hESC- derived Hepatocyte like cells- characterization ongoing with repititions. Seeding density optimized