CP2 BIOTECH S.R.L.

SPIN-OFF ACCREDITATA DALL'UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

PRESENTATION

CP2 Biotech is an Italian small biotech start up and a spin-out company acknowledged by University of Milano-Bicocca, founded in 2020 by Dr. Matteo Piazza on a proposal from Prof. Francesco Peri and Prof. Barbara Simona Costa.

CP2 Biotech has a clear **Vision** and **Mission.**

Vision: Committed to offer **new innovative therapeutic solutions** for chronic and acute **inflammation**.
The related diseases, several of them **rare**, are **the most significant cause of death in the world** and available treatment are poor.

Mission: Block inflammatory cascade upstream targeting TLR4 pathway.

We are cooperating at national and international level to reach the goals of finding solution for saving the life of most of the patients.
affected by these severe diseases.

PRODUCTS & SERVICES

- **TLR4** is upstream to the inflammatory/innate immunity cascade. It activates 2 distinct pathways named MyD88 and TRAM-TRIF pathways leading, respectively, to the production of inflammatory cytokines (TNF-a, IL-6, IL-1b, etc…) and type I interferon (IFN-1).

- **TLR4** starts inflammation but is **also important** for initiating **wounding processes to repair tissue damages caused by inflammation**: it is therefore safer to have molecules that inhibit TLR4 (modulators) instead of totally blocking it (blockers).

At present there are not antibodies efficiently targeting TLR4 or TLR4/MD-2.

Our focus is to produce both **agonist and antagonist of TLR4**.

Antagonists (inhibitors): for chronic and inflammatory diseases, autoimmune diseases, septic shock ans similar syndrome.

Agonists (activators): vaccine adjuvant, tumors immunotherapeutics (stand-alone, coniugated to antibodies in ADCs) sepsis.

Team
Dr. Sergio Lai: CEO
Prof. Barbara S. Costa: President
Prof. Francesco Peri
Dr. Matteo Piazza

Support
Dr. Alice Italia
Dr. Alessio Romerio

Sector
Life Sciences & Biotechnology

Contact
CP2biotech@pec.it;
tel. +393483863177;
Monza (MB), viale Libertà, 94 — CAP 20900.