



# CHARLES UNIVERSITY

## First Faculty of Medicine

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## JAKUBEK LAB



BIOCEV

Biotechnology and Biomedicine Centre of the Academy of Sciences and Charles University in Vestec

### EXPERTISE

Synthetic Organic Chemistry Bioanalytical Chemistry

### CONTRACT RESEARCH

API development and formulation design

### PROJECTS

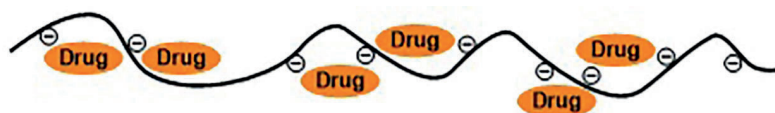
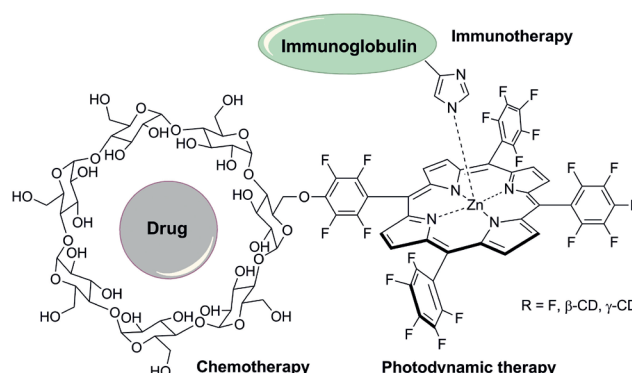
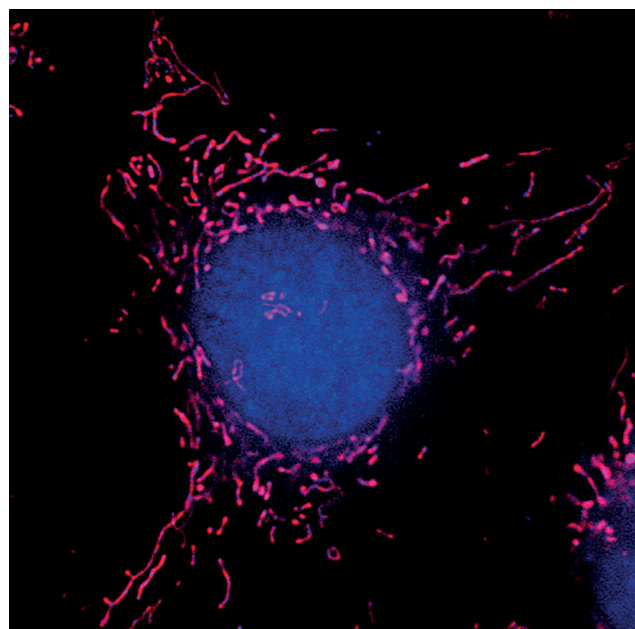
- Development of technology for dietary supplement preparation containing curcumin with high degree of bioavailability. (Scientific research with mcePharma, s.r.o.)
- Oxycellulose and its chemical and non-covalent modifications: Application for systems of drug controlled release, cosmetics and wound healing preparations. (Contract research in cooperation with Synthesia, a.s.)
- Improved growth of human skin cells on biomimetic nanofibrous matrices for active wound healing. GAČR 17-02448S
- Study of molecular and functional mechanism of novel cytostatics (cyclic polymethinum salts) using human genom-wide screening. GAČR 17-07822S

### PARTNERS

Synthesia, a.s.

mcePharma s.r.o.

Zentiva Group, a.s.



Oxycellulose with non-covalently bonded drugs

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