

CLIZIA BERNARDI

EDUCATION

- November 2021 **License to practice Pharmacy**, University of Siena, Italy
- June 2021 **Long single cycle degree in Pharmacy And Industrial Pharmacy**, University of
Siena, Italy

RESEARCH EXPERIENCE

- December 2021 – present **Ph.D. in Biochemistry and Molecular Biology BiBiM 2.0:** “Enhancement of the agro-food chain of *Phaseolus vulgaris* L.: production and biological and nutraceutical activities of native variants and recovery of industrial processing waste” – Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Laboratory of Cellular and Macromolecular Biochemistry, (Prof. Lorenza Trabalzini).
- November 2020 – June 2021 **Thesis internship** – Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Laboratory of Cellular and Macromolecular Biochemistry, (Prof. Lorenza Trabalzini)
Preparation of research thesis: “Identification of natural origin anti - inflammatories such as inhibitors of Spike-ACE2 binding”.

TECHNICAL SKILLS AND COMPETENCES

Tumor and endothelial cell lines cultures; Protein extraction and quantification; Sample preparation; Gel electrophoresis/SDS-PAGE analysis; Western Blot analysis; Enzyme-linked immunosorbent assay (ELISA); RNA extraction; RT-PCR; Viability, proliferation and migration assays; Data analysis.

CONFERENCES

Bernardi C., Finetti F., Trabalzini L. “In vitro digested fractions of *Phaseolus vulgaris* protect colon cells from inflammation and oxidative stress”. Poster, submitted at 62° SIB Congress, 7-9 September 2023, Florence, Italy.

PUBLICATIONS

Bernardi C.; Macrì G.; Biagi M.; Miraldi E.; Finetti F.; Trabalzini L. “In vitro Digestion of *Phaseolus vulgaris* L. Cooked Beans Induces Autophagy in Colon Cancer Cells”. *Foods* 2023, 12, 839.

Finetti F., Paradisi L., Bernardi C., Pannini M., Trabalzini L. “Cooperation between Prostaglandin E2 and Epidermal Growth Factor Receptor in Cancer Progression: A Dual Target for Cancer Therapy”. *Cancers*. 2023; 15(8):2374.

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