

CSENGE BOCZ



National Academy of Scientist Education, 5th year

University of Szeged,
Faculty of Pharmacy, 5th year

YEAR OF BIRTH

2001

FORMER SZENT-GYÖRGYI PUPIL

no

RESEARCH UNIT

University of Szeged

SZENT-GYÖRGYI MENTOR

Mónika Kiricsi

JUNIOR MENTOR

Nóra Igaz

SPECIALIZATION

nanoparticles,
tumor stroma

SECONDARY SCHOOL

Petőfi Sándor Secondary
School, Bonyhád

NAME OF TEACHER

Andrea Nagy, Csaba Péter

LANGUAGES

English/advanced
German/basic

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Nowadays many people are affected by some kind of cancerous disease. Tumor cells are able to change their microenvironment, thereby creating the ideal conditions to multiply, migrate and become malignant. In this process stromal cells have a major role. These are altered functioned, cancer associated fibroblasts and immune cells. Targeting these cells is a potential therapeutic method. Nanoparticles can be used in the treatment of tumors, and they have several beneficial impacts, in contrast with the traditional cytotoxic molecules. In our research group we examine the anti-tumor effects of metal nanoparticles on stromal cells. Our goal is to get a better understanding of the communication between the cancer cells and their microenvironment, and recon the cellular and molecular events behind this process. This could provide relevant information in the fields of cancer research, and give the opportunity to develop new diagnostic techniques and treatments.

AMBITIONS AND CAREER GOALS

During my studies I would like to acquire the skills that will be really useful in my future work. I find it important to deepen my knowledge, and get a first-hand experience about what it is like to work in a laboratory and be part of a research group. My primary goal is to become a researcher and take part in the development of novel therapeutic strategies.

HONORS AND PRIZES

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PUBLICATIONS

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