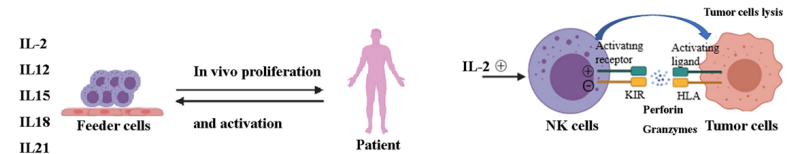


Background

Using **Natural killer (NK) cells** to treat cancer is a relatively novel treatment approach. These lymphocytes are mainly found in the human bloodstream, but their number is not enough to **successfully fight cancer**. To solve this issue, NK cells can be isolated from blood, enhanced through gene modification, stimulated in-vitro to expand in number, and injected back into the patient where they can selectively target and kill malicious cells. Current cell expansion processes are unable to deliver enough cells with high potency.

Methods

- Standard, small scale cell culture practices in static and dynamic format
- NK cell expansion in stirred tank bioreactors
- Flow cytometry analysis
- Enzyme immunoassays for cytokine quantification
- HPLC analysis of amino acids in culture supernatants



Requirements

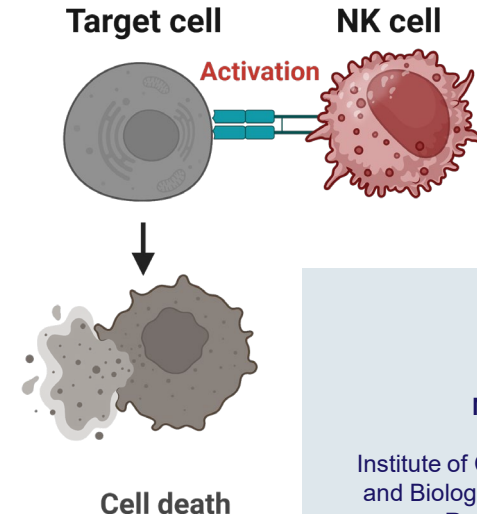
- Experience in standard cell culture work
 - Medium preparation
 - Cell counting
 - Passaging
- Precise, accurate independent work
- Able to follow and conduct experimental plan on its own
- Experience with the analytical methods above is an advantage

Opportunities

- Highly interesting, diversified position comprising cell culture and analytics on the novel field of cell therapies
- Newly built laboratory, state-of-the-art equipment
- Flexible working hours (20h per week)
- Young team of scientists and students
- Inspiring working location, in the heart of Vienna
- Gross **compensation of at least 1.264€ per month (20h)**

Time-frame

This work will be done at TU WIEN, Research Area of Biochemical Engineering, and can **start immediately**. The position **funded for at least one year**.



Please contact:

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