



EUROPEAN UNION

European Regional
Development Fund

Senate Department
for Economics, Energy
and Public Enterprises

BERLIN

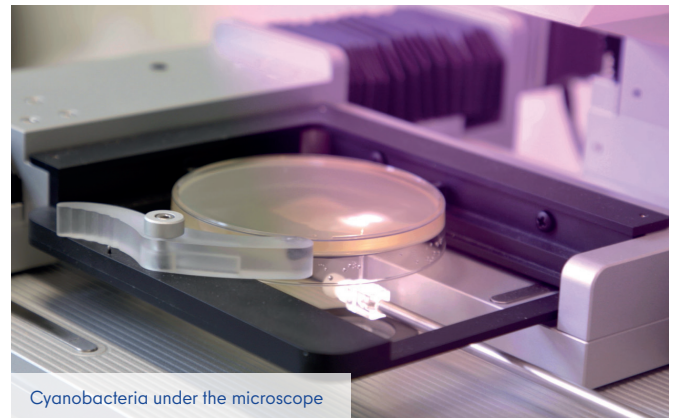


Europe Makes Berlin — Fit for the Future FOR A HEALTHIER AND LONGER LIFE

It is not necessarily about eternal youth when science deals with the human aging process. The study of age-related diseases is much more common in biotechnological research. The aim is to develop active ingredients that counteract premature aging, but also age-related metabolic diseases. One focus is also on the search for anti-cancer drugs. These are also the main topics of the project “CYFI”, whose research results lead to the production of new pharmaceutical products.

The close cooperation between universities and companies is particularly effective. Together with the “Cyano Biotech GmbH” from Berlin-Adlershof, an international leader in applied research and development, the “University of Applied Sciences” is researching the effect of cyanobacteria on cellular aging via the project “CYFI”.

The European Regional Development Fund (ERDF) allows researchers to further expand their networking capacities in the project and expand their experience in robotic screening technology.



“The substances can be used as
medical agents against age-related
diseases”

Prof. Dr. Jacqueline Franke, Project Manager “CYFI”



NEW RESEARCH FEATURES

Compared to other phytochemicals, the cyanobacteria are still a young research object, even though they have existed for a very long time. The microorganisms were the first living organisms in Earth's history that were able to perform photosynthesis and thus form oxygen. But only in the past five to ten years have they become the focus of biotechnology in connection with cell aging.

ERDF PROMOTES SPECIAL RESEARCH APPROACHES

An important part of the work in the project "CYFI" lies in cell-based screening methods. These allow researchers to understand in what way cyanobacterial secondary substances affect cellular skin aging.

ERDF WORKS IN BERLIN

The close cooperation between the "University of Applied Sciences (Hochschule für Technik und Wirtschaft)" and "Cyano Biotech GmbH" leads to useful innovations and at the same time high-quality workplaces in Treptow-Köpenick.

The ERDF makes Berlin fit for the future by

- highly innovating processes and products created by the collaboration between research and companies.
- expanding and developing research and innovation capacities

FUNDING

Funding priority:
Innovations

Funding instrument:
Profit – Programme for the promotion of research, innovation and technologies (subsidy)

Funding amount:
EUR 528.000 of which 50% ERDF

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