



ANNOUNCEMENT HUMBOLDT THEME CLASS

CANNABIS RESEARCH CLASS

BY DEMECAN AT THE FACULTY OF LIFE SCIENCES OF HU BERLIN

For the summer semester 2022, DEMECAN Holding GmbH is donating twelve German scholarships for the Humboldt theme class: Cannabis Research Class.

In the theme class, students from various disciplines work for one year under the supervision of the Faculty of Life Sciences on interdisciplinary projects on the subject of medical cannabis.

In interdisciplinary teams, the scholarship holders independently develop research projects and jointly implement them - from brainstorming to the conception, planning and implementation of the research to the public presentation of the results. The work of the theme class is accompanied and supported by scientists from the Life Sciences Faculty and the Faculty of Mathematics and Natural Sciences of the Humboldt-Universität zu Berlin. For successful participation, scholarship holders in the theme class receive five credit points per semester.

TOPIC

Starting in April 2022, students will have the opportunity to work on the following research projects in the Cannabis Research Class.

1. Plant physiology and agronomy.

- Biology and ecophysiology of cannabis varieties Indica and Sativa
- Influence of external stressors (light quality, dryness, etc...) on secondary and medically relevant ingredients
- Factors influencing selected ingredients (THC, CBD, Cannabichromen) in cultivation

2. Medical use and effects

- Psychoactive effects
- Effect in pain therapy

- Other medical indications

3. Chemistry

- Bioanalytical chemistry
- Extraction processes from cannabis plants

APPLICATION

We invite students from all disciplines, in particular life sciences, natural sciences, social sciences and cultural sciences, to conduct interdisciplinary research on the subject. Apply with your essay (max. 800 words) for a project of your choice and indicate another as an alternative (please state the numbers of the projects in the essay).

In your essay, please address the following questions:

- To what extent has the topic of "medical cannabis" played a role in your career and studies to date?
- What contribution can your studies make to the interdisciplinary treatment of these topics?
- Which research field(s) of the subject class are you particularly interested in? Please explain your interest with a concrete example.

The form in which the questions are answered is up to the applicants: Whether it is an essay, a research exposé, or a draft for a visualization in the context of an exhibition - you decide which type of presentation seems to you to be the most meaningful and appropriate. Your disciplinary competences as well as the interdisciplinary orientation of the proposed approach should be made clear.

PREREQUISITES

In addition to the general selection criteria of the Deutschlandstipendium, such as good performance, the scholarship in the Humboldt theme class "Cannabis Research Class" requires the willingness to actively participate in the theme class programme.

The project work begins with an obligatory, joint weekend workshop to get to know each other and identify topics at the beginning of the summer semester. Project work will be continued in meetings every fortnight. The meetings will also be supplemented by continuing education workshops and events. Participation in the Cannabis Research Class requires a workload of at least two hours per week in SoSe 2022 and WiSe 2022/23 (at times more).