

We are looking for staff reinforcement starting **01 September 2021** for a project investigating possible effects of potentised substances under laboratory conditions. We are a small, innovative research group that relies on precision and team spirit.

Open Position

Research Fellow (f/m/d) at the Gerhard Kienle Lehrstuhl

(part time position (60%), project-bound and limited to three years until September 2024), Gerhard-Kienle-Weg 4 58313 Herdecke, Germany.

The project focuses on a *Lemna* intoxication model. It is based on an ISO-certified ecotoxicology assay and uses arsenic-stressed duckweed (*Lemna gibba* L.) treated with different potency levels of *Arsenicum album*. Arsenic stress here mimics a disease state and is thought to increase the sensitivity of the aquatic plants to the homeopathic treatment. The main outcome is the growth rate, which is determined by image analysis software. A secondary outcome will be integrated in the form of metabolome analyses, which could show changes at a molecular level. Several precursor studies observed significant growth enhancement by treatment with potentised substances. The aim is now to vary experimental conditions of the model in order to increase the effect size. In addition, studies on the effect specificity of potentised substances will be performed. Further collaborations with other *in vitro* test models at the Arlesheim site are envisaged.

Working conditions

- Place of work is Arlesheim, Switzerland
- Salary according to the general conditions of Witten/Herdecke university
- In the context of the employment a doctorate (Dr. rer. medic.) is possible and desired.

Your tasks

- Work with bioassays (especially intoxication model *Lemna gibba* L.)
- Experimental design and realisation in a small team
- Publications in scientific journals

Your profile

- University degree in natural sciences or pharmacy (M.Sc. or Diploma)
- Interest in laboratory work
- Thorough and accurate work
- Very good knowledge of written and spoken English
- Interest in complementary medicine and homeopathy
- Willingness to work flexible hours

Have we aroused your interest? Then we are looking forward to receiving your complete application documents incl. curriculum vitae by e-mail by August 15, 2021. Please send your documents to Mr. Stephan Baumgartner, PhD (stephan.baumgartner@uni-wh.de).

If you have any questions about the project, please contact Annekathrin Ücker (annekathrin.uecker@uni-wh.de).