



Dr. Wolff Research Grant: Master Periodontology

Dr. Wolff – since 1905 the name has stood for research that solves the skin, hair and dental problems of the population with innovative active ingredients. The focus of our efforts is the scientifically provable benefit of our products.

We are a Bielefeld-based family business in its fourth generation with around 780 employees.

Since the foundation of the company, Dr. Wolff has maintained a close cooperation with renowned scientists to the products available internationally today, our in-house research provides the basis for new active ingredients and innovative product developments. Our philosophy is to sell products that have been intensively studied on its benefits for the consumers.

Since 2008, Dr. Wolff is – among others – focussing on oral care products. The main active ingredient is biomimetic hydroxyapatite (HAP). More than 150 studies on HAP and oral care have been published to date. Not only enamel remineralization and dental caries prevention, but also reduction of dentin hypersensitivity and improvement of periodontal health have been proven in *in vivo*, *in situ* and *in vitro* studies. The benefits of this active ingredients are obvious: Our bones and teeth are made of HAP. Thus, it is a biomimetic mineral suitable for all age groups. Apart from that, study results have shown the benefits for oral health, while not being toxic.

With our scientific background, we are encouraging scientists all over the world to research and publish on biomimetic HAP.

The Dr. Wolff company is offering a research grant for the Master Periodontology at RWTH Aachen, Germany.

The grant is tied to a specific topic that will be studied for the master's thesis.

The **topic** for the master's thesis is:

“The additional use of a mouth wash with hydroxyapatite on the prevention and therapy of gingival diseases”

The focus of this research topic is as follows:

- Study group: Healthy patients and patients with gingivitis/ periodontitis
- Study design: Double-blind clinical trial
- Comparators: One group will be using hydroxyapatite-containing mouth wash in addition to the toothbrushing
 - Toothbrushing will be performed with a hydroxyapatite toothpaste (test) or a standard fluoride-containing toothpaste
- Methodology:
 - The patients will have regular dental visits at your clinics
 - Study duration: At least 6 months
 - At baseline, the final visit and the respective follow-up visits different clinical parameter will be measured
 - Gingival parameters (for example bleeding on probing (BOP), gingival index (GI))

- Plaque parameters (for example plaque control record (PCR))
- Dentin hypersensitivity (DH), and others
- This study will look at the beneficial effect of the additional use of a hydroxyapatite mouth wash on gingival and oral health
- Aim: PubMed-listed publication of this clinical trial

What we are offering:

- A contemporary research-topic
- Scientific support including:
 - Statistics
 - Literature research
 - Scientific writing
 - Online-meetings every 4–6 weeks to discuss the latest issues
 - Case-report forms
 - Ethics application
 - And others
- Direct contact to a leading German mid-sized company that is producing oral care products
- Support with paper-writing for a peer-review publication
- **Financial support/stipend: 10.000 €**

Whom we are looking for:

- Highly motivated, research orientated character
- male/female/other
- Fluent in English language (spoken and written)
- Minimum of 1 peer-reviewed publication (1st/last author) (favourable)
- Experience in periodontology/implantology of a minimum of 2 years
- Working at dental clinics with a focus on periodontology
- Qualification to conduct studies and practical work
 - Further qualifications (for example as an oral surgeon) are favourable
- Possibility to conduct a clinical trial in your clinics
 - Recruiting of patients, knowledge of ethics, follow-up investigations, study nurse (favourable), documentation, monitoring (favourable)

Please send us your application for the grant and the study with a motivational letter (one page), your peer-review publications and specifications of your private praxis/dental clinics until **15th May 2021**.

Scientific literature

Enax, J., Fabritius, H. O., Fabritius-Vilpoux, K., Amaechi, B. T. & Meyer, F. Modes of Action and Clinical Efficacy of Particulate Hydroxyapatite in Preventive Oral Health Care – State of the Art. *Open Dent J* 13, 274–287 (2019).