

## PROJECT - nr 6

### **Exploiting bacterial interactions and gene regulation to fight dental caries**

Dental caries occurs when acidic byproducts of bacterial metabolism and fermentation in dental biofilms cause the destruction of dental hard tissues. Such processes vary significantly across different bacteria and, indeed, the oral microbiome harbours a dynamic community with a wide variety of microorganisms that is subject to a plethora of different environmental conditions. In this three-year PhD project, we aim to explore bacterial interactions and gene regulation in the oral microbiome to reveal novel therapeutic targets for dental caries.

We seek a highly motivated and ambitious person to be part of a multicultural research team striving to advance microbial sciences. As a PhD research fellow, your responsibility is to carry through the project under supervision and a high degree of personal responsibility and willingness to engage in problem-solving is expected. A good candidate:

- must hold a degree equivalent to a Norwegian master's degree in a subject area related to the project, *e.g.* dentistry, medicine, microbiology or related area.
- has research experience in microbiology or molecular biology.
- has good team-working skills as well as an ability to work independently.
- has good communication skills, including fluent oral and written English.
- has availability to go abroad for short-term periods.

#### **Contact information**

For further information about the project, please contact:

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