

## **Internship/Bachelor/Master Thesis**

# ***Protein Engineering of Novel Visible Light Biocatalysis***

### **Background**

We are a team of protein engineers, theoreticians and synthetic chemists. Our project involves the rational design of sustainable catalytic strategies for the conversion of renewable chemical feedstock to high value chemicals. We focus on the discovery of novel light activated enzymes that could catalyze asymmetric single electron transfer processes under mild conditions, reactions that are almost unprecedented using chiral small molecule catalysis.

### **Qualifications:**

- Highly motivated, reliable student in the field of biotechnology, biology, chemistry or related.
- Interest in protein engineering and biocatalysis.
- Good knowledge of English (spoken and written).
- Basic knowledge of Microsoft Word, Excel and Power Point.

### **Our Offer**

- We offer an attractive international research environment with an international team, high-end technical equipment, interdisciplinary co-operations.
- Your main role will be the expression and purification of wild type and mutant enzymes.
- You will gain much knowledge on different research fields.
- You are expected to become a co-author in high impact factor publications.
- The position is available from early 2021.

### **Contact:**

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