We offer 1 Postdoc Position (36 months) in the field of Metabolic Engineering of Microalgae within the CLIB competence center biotechnology (CBK). The project start is scheduled for 06/2018. The CBK is a collaborative research initiative comprising expert centers located at the Universities of Bielefeld, Düsseldorf and Dortmund as well as the Research Center Jülich. Part of the research conducted in the CBK is focused on bio-based concepts for the production of bulk chemicals with photoautotrophic microorganisms, such as the green microalga *Chlamydomonas reinhardtii*. Within the project distinct amines (cadaverin, putrescin, pimelic acid, 5-aminovalerate and L-aminobutyric acid) will be sustainably produced from sunlight and carbon dioxide using *C. reinhardtii* as a “green cell factory”. To this end, pathways for amine synthesis will be transferred to *C. reinhardtii* by metabolic engineering and amine-producing strains subjected to further rounds of strain engineering in order to improve the partitioning of fixed carbon into desired products.

Your qualifications:
- PhD in Biology, Molecular Biology or Biochemistry
- Strong background in molecular biology (cloning; gene knock-down techniques; mRNA/protein quantification) and metabolite analysis (GC-MS; HPLC).
- Good command of the English language and high level of motivation

Your benefits:
- The excellent infrastructure of the Center for Biotechnology at Bielefeld University with a superb working environment in which you have great opportunities to develop your ideas and accomplish your scientific goals in an international research group.
- The participation in workshops and conferences.

Bielefeld University is committed to support equal opportunity; we encourage applications from qualified women and persons with disabilities.

Your application:
Please send CV (including transcripts & certificates), personal statement of research background & motivation and the name and contact details of two referees as one pdf document per email to: Prof. Dr. Olaf Kruse, Bielefeld University; Dep. of Biology/CeBiTec; Chair of Algae Biotechnology & Bioenergy; olaf.kruse@uni-bielefeld.de. Application deadline is 30.04.2018.