

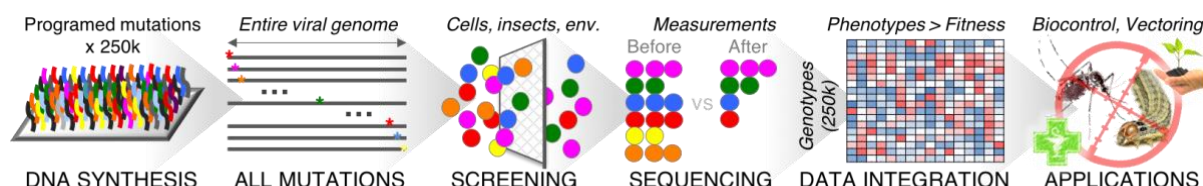


## Postdoctoral position (M/F) in Montpellier, France

### Deep mutational scanning of entire genomes

A 2-years post-doctoral position funded by the ATIP-Avenir program (CNRS-INSERM) is available to work in the “*Synthetic, Functional and Evolutionary Genomics*” group led by Guillaume Cambray at the *Centre de Biochimie Structurale* (CBS) in Montpellier, France.

**Project** — Densoviruses could provide **programmable biocontrol solutions** against insects, though such applications must rest on comprehensive understanding. To achieve this, precise libraries encompassing **all genomic point variants** will be constructed via DNA synthesis. High-throughput multiplex screens based on deep-sequencing will be developed to **extensively measure phenotypic consequences** (replication, packaging, delivery, pathogenicity...). Data integration will enable **reconstruction of functional and evolutionary landscapes for entire genomes**.



**Candidate** — The successful candidate should have a **PhD in biology** or related and a solid background in high-throughput **synthetic biology**, **molecular evolution** and/or **virology**. Dual experience with **wet** (molecular, cell biology) and **dry** (computer programming, statistical modeling) lab work will be strongly favored. The candidate should feel comfortable working in an interdisciplinary and international environment, be highly **motivated** and **independent** to take a strong lead on the project. Clear communication of scientific results through written scientific reports, oral presentations and attendance to scientific meetings is expected.

**Environment** — The *Centre de Biochimie Structurale* (CBS) is an **international institute** offering a **dynamic and stimulating scientific environment** (13 teams, 140 persons, multiple nationalities; English is the working language). It provides state-of-the-art facilities, with a collaborative and lively atmosphere. Montpellier hosts a vibrant and diverse research community focusing on basic research, biomedicine, evolution and ecology. It is well connected to other major research areas. Montpellier is located a few kilometers from **sea and mountains in the sunny South**, offers a high quality of life and is one of the **most attractive city in France**.

**Application** — Applications and informal queries about the project and the lab should be addressed to Guillaume Cambray ([guillaume.cambray@cbs.cnrs.fr](mailto:guillaume.cambray@cbs.cnrs.fr)). Candidates should send a brief statement of their research interests, their CV and up to 3 recommendation contacts. The position will begin in March 2020 at the earliest.

