Master projects for bioinformaticians
(you must have a Biology, Bioinformatics or Computer Sciences bachelor)

Contact: Dr. Athanasia C. Tzika
(athanasia.tzika@unige.ch - reptilomics.org)

Project 1: Assembly & annotation of the corn snake genome v3
In the context of highly multidisciplinary studies investigating the development of skin colour patterns in the corn snake, we are seeking creative and highly motivated students with strong interest and skills in bioinformatics (basic programming skills are necessary) to assist in the assembly and annotation of the version 3 of the corn snake genome; version 2 is the best assembled snake genome to date. The successful candidates will interact with a multidisciplinary team of physicists, computer scientists and biologists (the latter using state-of-the-art imaging techniques and molecular developmental approaches).

Project 2: Comparative proteomics in reptiles
In the context of highly multidisciplinary studies investigating the development of skin colour patterns in the corn snake, we are seeking creative and highly motivated students with strong interest and skills in bioinformatics (basic programming skills are necessary) to work on the analysis of existing comparative proteomics data. The successful candidates will interact with a multidisciplinary team of physicists, computer scientists and biologists (the latter using state-of-the-art imaging techniques and molecular developmental approaches).