The project

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| * Runs for 20 weeks (5 months) and starts in September or February. * Is performed by a group of 3 or 4 students. Individual subprojects are possible but not necessary. Project assessment is mainly based on group work but includes individual performance. * Is part-time: effectively one 8-hour day per week |

The students

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| * The students are fresh 3rd year student that had at least 2 years of courses in our Bio-informatics curriculum. They have basic understanding of the theory and are capable of analysing simple genomic and transcriptomic data. They take compulsory additional courses on these topics during the project. * They have good python and bash skills and basic Java and R skills. The focus in year 1 and 2 is on building and applying programs and scripts, not developing applications. In years 3 they learn to build pipelines and visualize data analysis. (Web) application development is facultative for students but can be a topic for a bpexa project. * They have to work 11 hours a week on average on this project, so effectively they should work at least one 8-hour day per week for the PI. Students have a fixed weekday freed up in their schedule for this, but hours can be flexible and spread out over the workweek. They have an exam period half-way the project during which project workload will be lower. |

The PI/commissioner (YOU)

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| * The PI is the project principal and instructor on the project. * Supervises the students on content and helps with technical issues. * Direct weekly contact with the supervisor is crucial. We expect the supervisor to spend no more than 1 hour per week on the project. This can be more at the start but should be 30 mins in most weeks. Usual is a weekly meeting. Participation at weekly group/department meetings is also possible. This is entirely up to the PI. * A workspace is preferable but not crucial. * Students have their own laptop. For LUMC-projects we will organize the Shark-course so they can work on the Shark cluster. |

The Hogeschool supervisor/teacher:

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| * Is appointed to the student group for the entire duration of the project * Is responsible for coaching on project-working skills and communication * Has one 30 mins meeting per week to discuss progress and communication in the group and with the PI. * Assesses:   - group performance (input of PI necessary)  - individual contribution and communication (input of PI requested)  - final presentation (input of PI requested)  - final report (input of PI requested) |