Collected tumor specimens

Pilocytic Astrocytoma samples (**PA**)
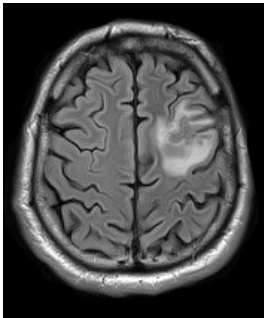
WHO II/III samples (**DA**)
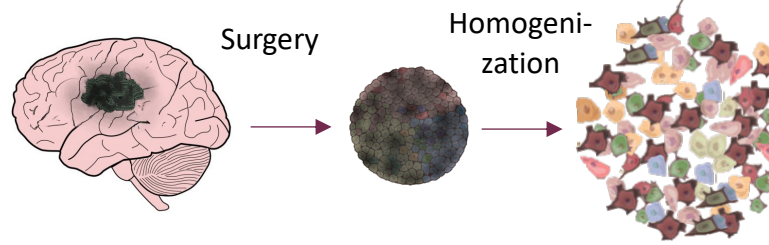
Glioblastoma samples (**GB**)

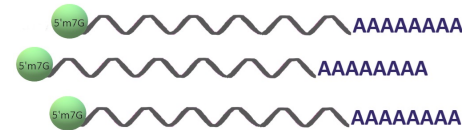**Clinical data**

- **Age**
- **Sex**
- **Pathology**
- **Tumor location**
- **Treatment**
- **Overall survival**

Experimental workflow

Surgery   Homogeni-zation

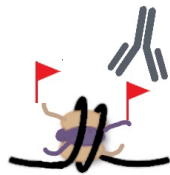- **Gene expression analysis**

5'm7G — AAAAAAAA
5'm7G — AAAAAAAA
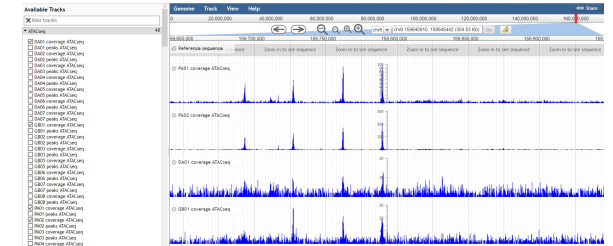5'm7G — AAAAAAAA

- **Open chromatin profiling**
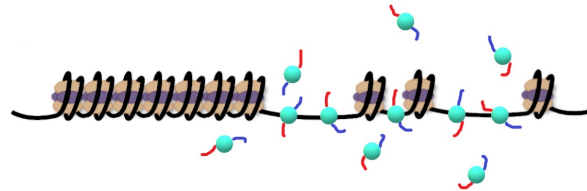
- **Histone modification profiling**

Data analysis and visualization
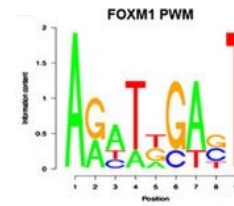
Genome browser: [http://regulomics.mimuw]
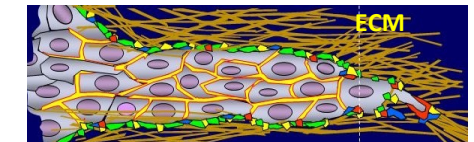
- **Integration of transcriptomics and epigenetics**
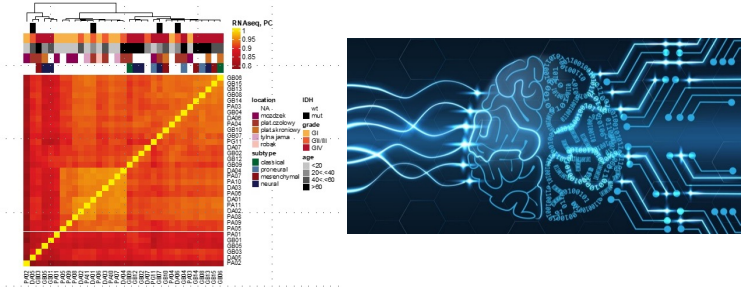
- **Regulatory element prediction**

FOXM1 PWM

- **Finding regulatory networks driving glioma pathogenesis**

ECM

Invasive tumor cells degrade the extracellular matrix (ECM)