

Investigate the use of sampling to perform approximate inference in PSMs

```
graph TD; Root[Investigate the use of sampling to perform approximate inference in PSMs] --> Theory[Theory]; Root --> Algorithms[Algorithms]; Root --> Applications[Applications]; Theory --> Gibbs[Gibbs Sampling in PSMs]; Algorithms --> Mixing[Improved Mixing using Semigradients]; Applications --> Modeling[Modeling Interactions btw. Cancer Mutations];
```

Theory

Algorithms

Applications

Gibbs Sampling in PSMs

Improved Mixing
using Semigradients

Modeling Interactions
btw. Cancer Mutations