

Developing a urine test for bladder cancer

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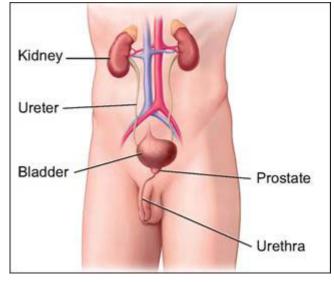






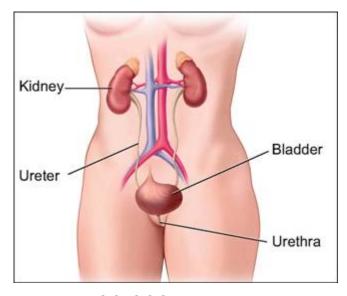


Bladder cancer



~118,000 men

Incidence Europe: ~151,000

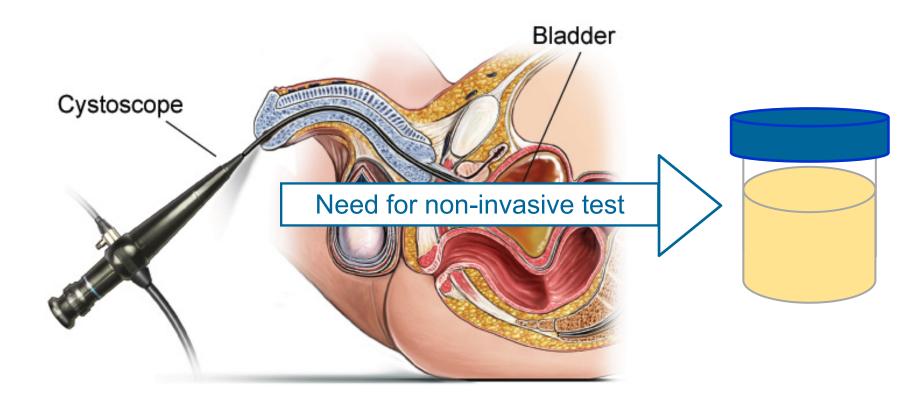


~33,000 women





Monitored by cystoscopy

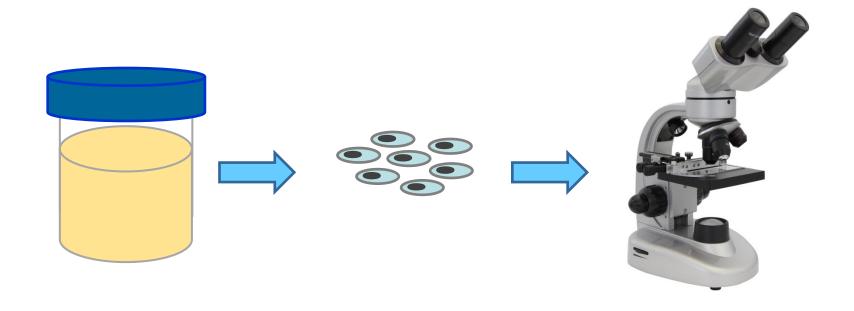








Urine contains cancer cells

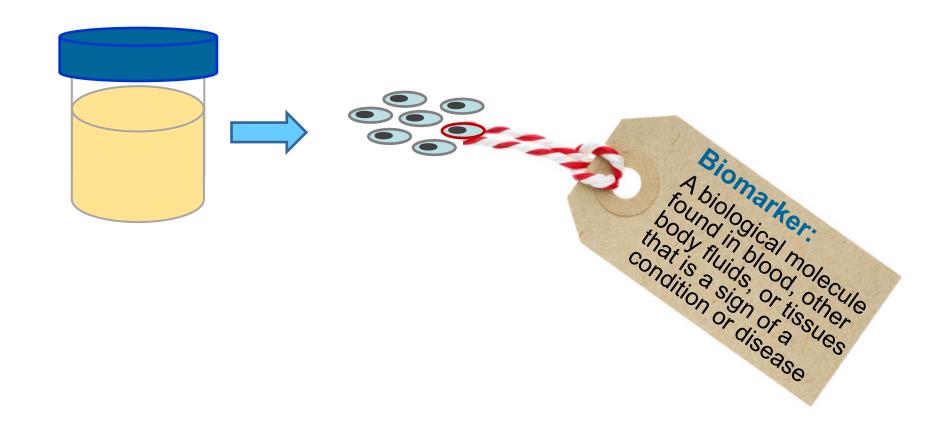








Urine contains cancer cells



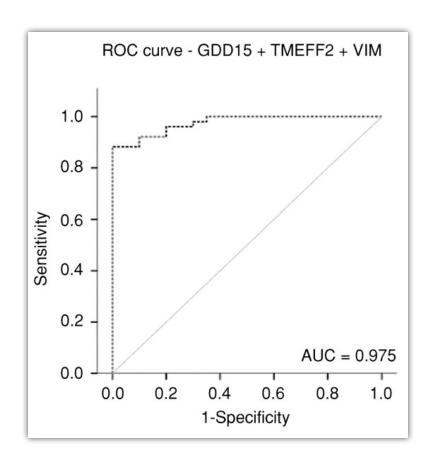






Urine-based non-invasive test





Costa et al, Clinical Cancer Research, 2010







Biomarker panels increase robustness

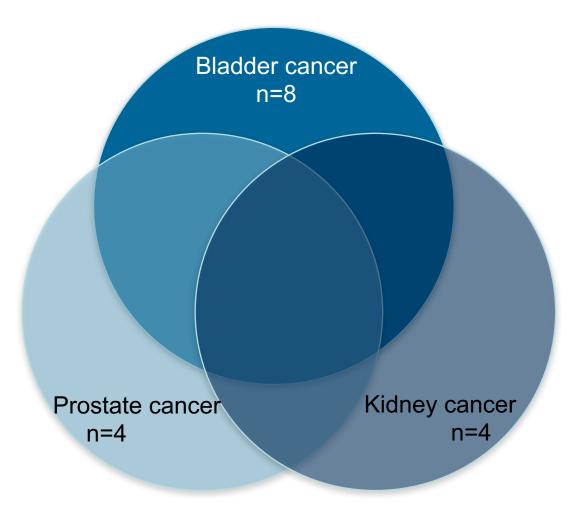






Discovery phase

In vitro models: Cancer cell lines









3 million positions analyzed



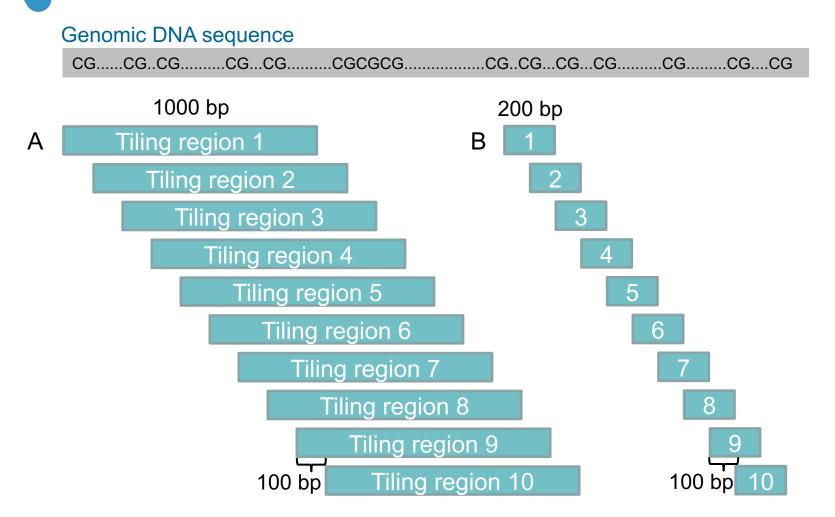
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Unbiased analyses

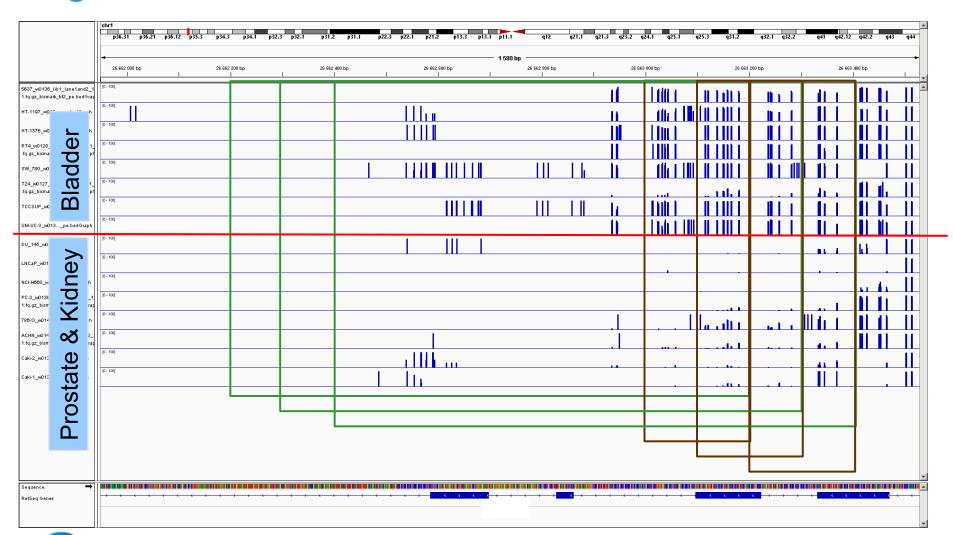








Candidate biomarker











Candidate biomarker



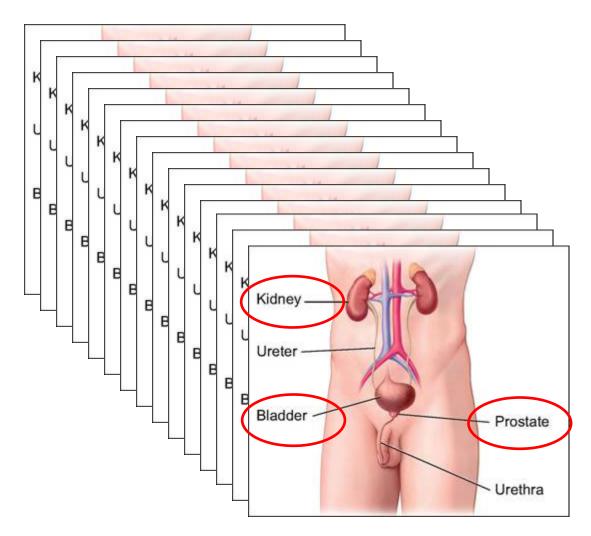








Validation in cancers and controls





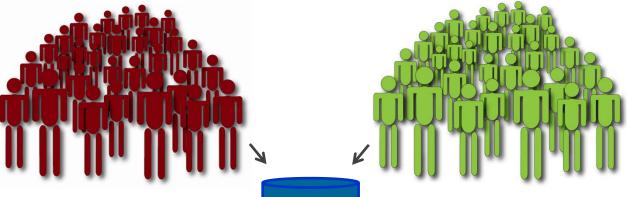






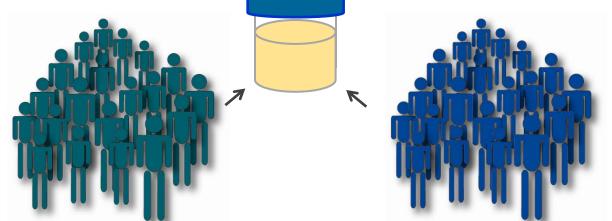
Urine samples





Healthy controls

Prostate cancer

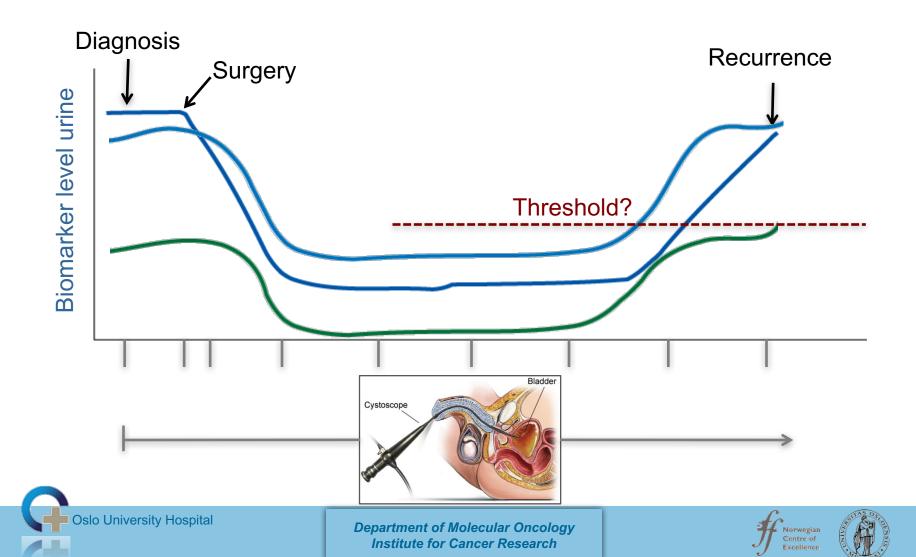


Kidney cancer



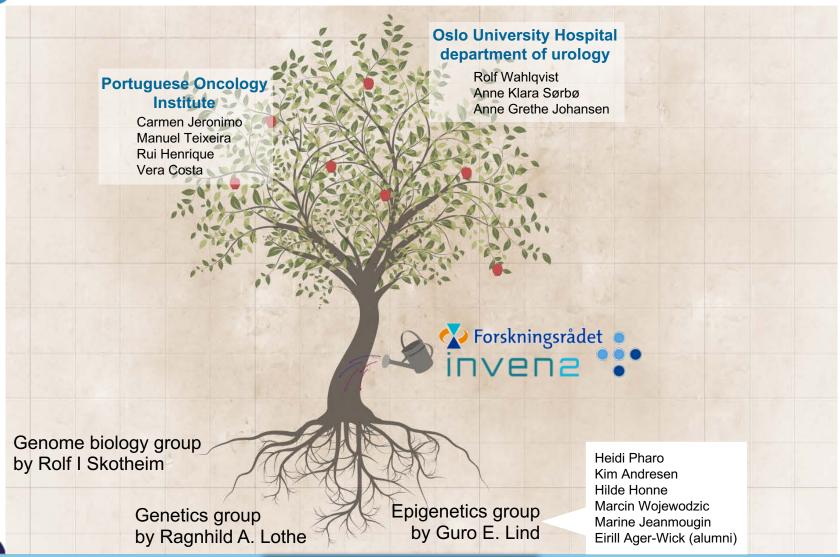


Monitoring using urine





Acknowledgement





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