



the hyve

# The Hyve Introduction

CAMPUS PARTY 2016

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# The Hyve

- Professional support for open source software for bioinformatics and translational research software, such as tranSMART, cBioPortal, i2b2, OHDSI, Galaxy and ADAM

## Core values

Share



Reuse



Specialize



## Office Locations

Utrecht, Netherlands

Cambridge, MA, United States

## Services

Software development

Data science services

Consultancy

Hosting / SLAs

## Mission

Enable pre-competitive collaboration in life science R&D

by leveraging

**open source software**

## Fast-growing

Started in 2012

34 people by now






## Interdisciplinary team






software engineers, data scientists, project managers & staff; expertise in bioinformatics, medical informatics, software engineering, biostatistics etc.




# Share : Transparency




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## The Hyve



Open source bioinformatics & translational research service company

📍 Utrecht, Netherlands    🔗 <http://www.thehyve.nl>    ✉ [office@thehyve.nl](mailto:office@thehyve.nl)

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### transmart-base-ui

🍴 forked from [transmart/transmart-base-ui](#)

Boilerplate code for tranSMART UI

Updated 8 hours ago

JavaScript ★ 0 🍴 3

### qualify-devportal

QualiFY developer portal

Updated 9 hours ago

Liquid ★ 0 🍴 0

### People

33 >



[Invite someone](#)

### Teams

7 >



# Open Source in Precision Medicine

## Clinical - eCRF & apps:



## Imaging:



## Biobanking:



## Study design:



## Datawarehousing:



## Workflow / NGS:



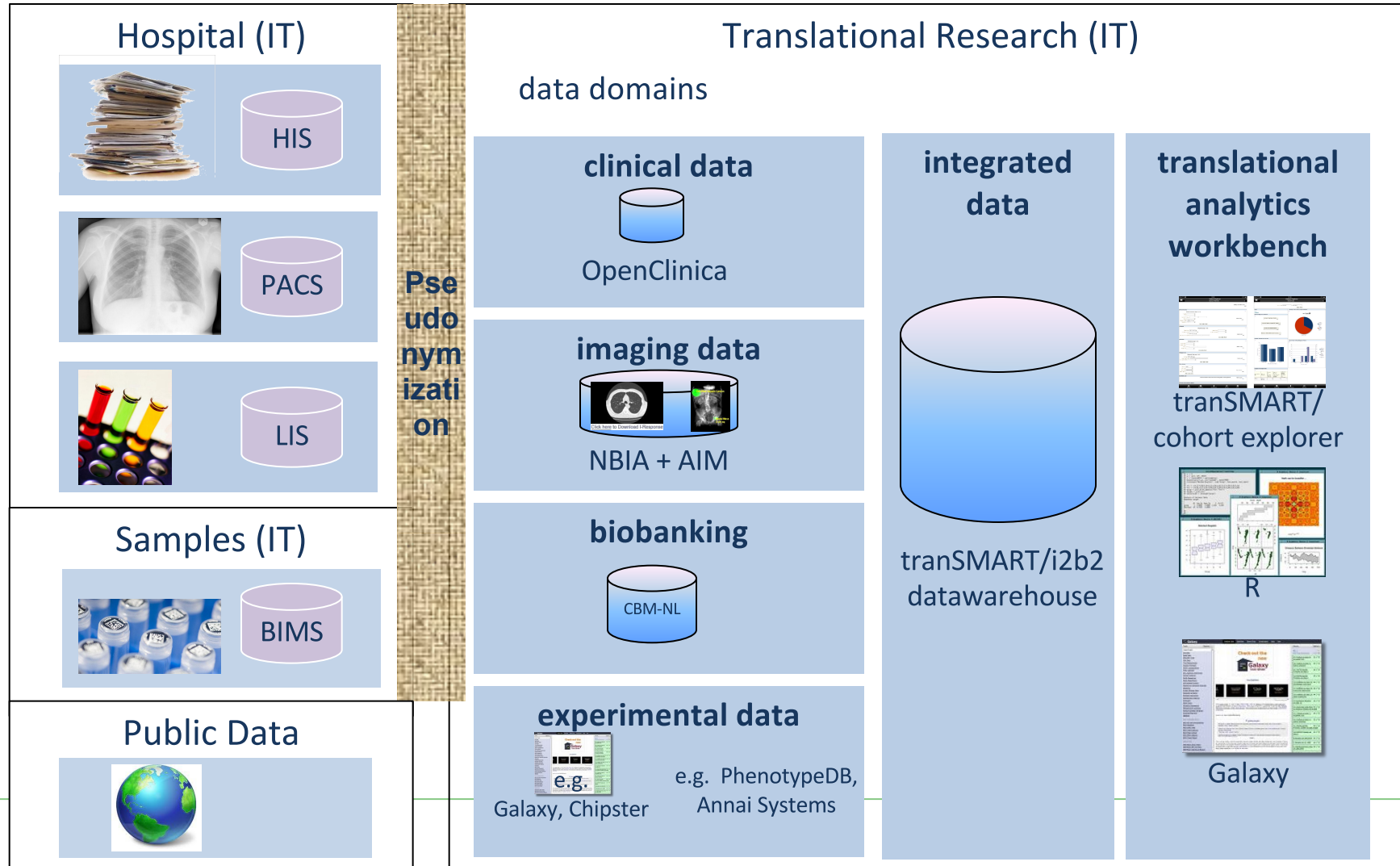
## Data visualisation:



## Scientific compute:



# TranSMART. TraIT

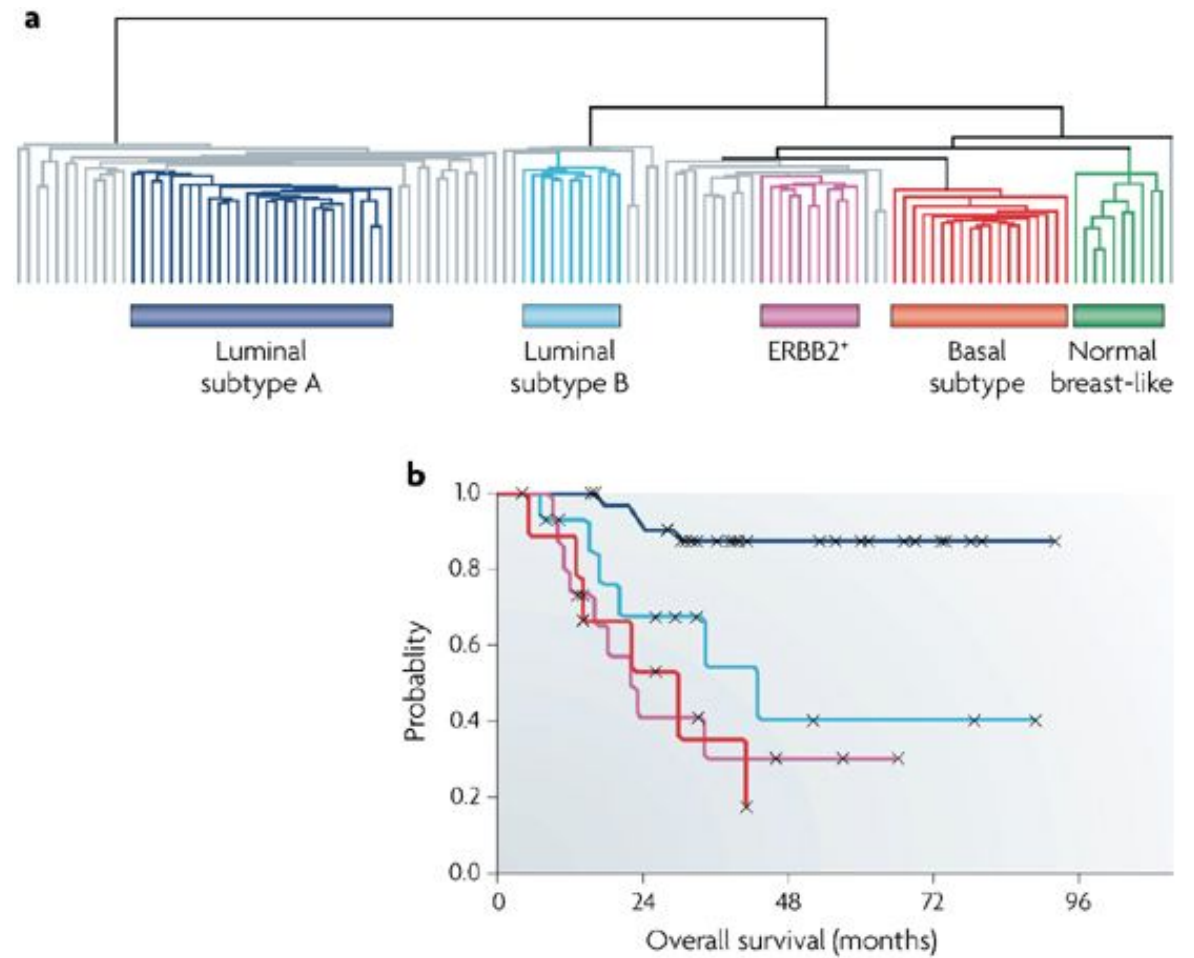




# study: Sorlie (2003)



- Breast cancer subtypes
- Kaplan Meier curve
- Redo heatmap



Nature Reviews | Cancer



# tranSMART Demo

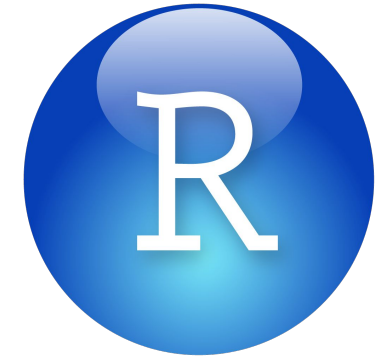
tranSMART Demo:

<http://transmart-demo.thehyve.net>





# Heatmap in R

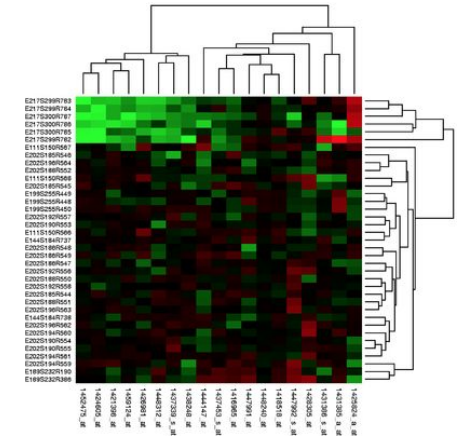


Please find Rstudio here:

<http://campus-party.thehyve.net:8787/>

full script available here:

<https://github.com/thehyve/utrecht-campus-party-2016>





We empower scientists by building on open source software