

Annette ten Teije (now)



Medical Knowledge Representation:

- bridging the gap between clinical knowledge and medical research, using semantic representations (ontologies)
- formalising medical knowledge
(patient data, clinical trials, guidelines, quality indicators)
- re-using medical knowledge in different contexts

General Knowledge Representation:

- re-use knowledge across tasks
- from informal models to formal representations
- generalise *medical* knowledge representation findings to *generic* knowledge representation results

Annette ten Teije (in 5 years)



Medical Knowledge Representation:

- knowledge integration from pharma to clinical (support for translational medicine)
- support for updating medical guidelines from research findings

General Knowledge Representation:

- approximate reasoning: trade offs between efficiency, soundness, quality, completeness, abstraction, lifeness, etc.