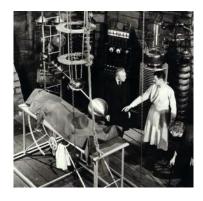# Semantic Web for Health Care and Life Sciences Summer School

- Learn about Semantic Web technology and tools.
- Exploit Semantic Web data for health care and life sciences use cases.
- Create code and data development communities.
- Preview vendor products.
- Leverage communities for a lasting healthy ecosystem of SemWeb-savvy researchers and developers.

MEET PEOPLE   **LEARN**   **CREATE**

27-30 August 2012
MIT CSAIL Stata Center
32-G449 (Kiva)

General Topics:
- Gentle (practical) introduction to Semantic Web.
- SPARQL tutorial for querying and updating Semantic Web.
- Data integration and query federation tools.
- Reasoning with Semantic Web rules.
- Practical ontology development with OWL.
- Distributed workflow management with SADI.
- Spontaneous seminars and lightning talks according to audience interests.

Health Care Topics:
- Introduction to health informatics landscape:
- I2B2, Indivo, SMART Platform
- HL7 FHIR as a semantic platform for health informatics.
- EHR exploitation for adverse event detection, efficacy monitoring, patient recruitment, etc.

Life Sciences Topics:
- Big Data applications in Life Sciences.
- Biological Expression Language (BEL) Framework for structured biological knowledge.
- BioPAX/SBPAX for kinetic computer models.

http://www.w3.org/wiki/HCLSHackathon2012