Postdoctoral Fellow: Semantic Web for Health Care and Life Sciences

Yale Center for Medical Informatics (YCMI; http://ycmi.med.yale.edu) is offering a postdoctoral fellowship at the Yale University School of Medicine sponsored by the National Library of Medicine (http://www.nlm.nih.gov/), starting July, 2008 or later. We are looking for a postdoctoral fellow who is interested in working with a multi-disciplinary team to expand the frontier of Semantic Web research in the Health Care and Life Sciences (HCLS). We expect the candidate to interact with communities such as bioinformatics/neuroinformatics, Semantic Web, ontology, and database communities.

The exploration of Semantic Web in the context of HCLS has become an integral part of our biomedical informatics research. We have research projects cross-cutting Semantic Web and various HCLS domains. For example, the Semantic Web development of SenseLab (http://senselab.med.yale.edu) represents a fruitful intersection between Semantic Web and neuroscience. We have been actively participating in the Semantic Web for Health Care and Life Sciences Interest Group (HCLSIG; http://www.w3.org/2001/sw/hcls/). We have a set of robust HCLS projects serving as a test bed for advancing Semantic Web.

YCMI focuses on the creative use of computers in clinical medicine, molecular biology, neuroscience, and other areas of biomedical research. We conduct research, provide support and coordinate collaborative projects involving Medical School faculty, Yale-New Haven Hospital, and faculty in other departments at Yale, such as Computer Science. The Center also serves as a focal point for training in biomedical informatics with a Postdoctoral Fellowship Program. In addition, we participate actively in Yale's interdepartmental Ph.D. program in Computational Biology and Bioinformatics (CBB; http://cbb.yale.edu/).

A qualified candidate should possess the following requirements:
- U.S. citizen or permanent resident (this is a restriction of our funding).
- Ph.D. degree in Computer Science or a related discipline.
- Research interest and expertise in the following areas: RDF, RDF-S, OWL, ontology, semantic Web Services, knowledge representation, integration and reasoning.
- The ability to collaborate and communicate with HCLS researchers in identifying research problems that can be addressed by effectively and creatively by Semantic Web.

Please email CV and letter of interest to Professor Kei Cheung (kei.cheung@yale.edu). Applications from women and members of minority groups are encouraged.