SPECIAL PRESENTATION

Applying Semantic Web Principles to Protein Information

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Abstract: The Semantic Web is a set of standards and technologies for improving the usability and preciseness of data, with particular applications in the sciences. The benefits of applying Semantic Web principles to molecular and structural information are two-fold: 1) they can clarify the meaning and utility of all forms of associated data, including physical properties, interactions, mechanisms, functions, variants, and relations to diseases; and 2) the individual data entries can be universally referenced, linked, and annotated, regardless of any implemented data system, e.g., databases or files. This could have far-reaching benefits on how researchers can add and share new knowledge related to existing web-based information, and open the door for more sophisticated computational applications on the aggregated knowledge as a whole. Current and planned international activities in scientific area will be presented and discussed.

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12:00 p.m.-1:00 p.m.

Harvard Medical School
Building C, Room 216

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