

THE GENE-CENTRIC HUMAN PROTEOME PROJECT: ORGANISATION, SCOPE AND LIMITATIONS

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With the recent developments in proteomic technologies, a complete human proteome project appears feasible for the first time, and the Human Proteome Project has been launched in Sydney in September 2010. There is therefore a proposal on how it should be designed, what it should encompass, and how it should be organized, and this will be presented here. We will also try to detail how large-scale proteomics such as a human proteome project can insert into the larger omics chorus, what we can reasonably expect from a human proteome project in the way it has been proposed so far, and what challenges remain for proteomics beyond the HUPO Human Proteome Project.