



Columbia University Biomedical Informatics Consultants

Overview

Columbia University Biomedical Informatics Consultants (*CUBIC*) is a new entity formed to help industry and institutional clients with specific problems and needs using the personnel and resources of Columbia University. It is an offering by the Department of Biomedical Informatics (technical services) and the Center for Advanced Information Management (administrative and client support).

Projects are generally of limited duration and are not intended to replace standard research agreements and other arrangements for longer term collaborations. *CUBIC* projects may evolve into longer length traditional joint studies and may include student participation on the team.

Services are (initially) offered in the following technical areas: Evaluation Design, Measurement, Studies, Use Case Analysis, Systems Architecture, Systems Performance, Interview/Focus Group, Survey Questionnaires, Observational Studies, Human Computer Interaction, Statistical Analysis, and Data Mining.

A skills matrix of available personnel is included below. More details can be found at www.dbmi.columbia.edu/.

Application Procedure

Interested potential clients are asked to complete a *Client's Need Assessment Survey* which will serve as an introduction and outline for the project. The Survey will be reviewed by the *CUBIC* team and, if the client's needs can be met, an initial meeting at Columbia will be scheduled for a presentation by the client to the team.

Services

CUBIC team members will provide best effort advice and recommendations in their areas of expertise to the client. They will not normally become involved in the routine implementation of their recommendations at the business level. However, where appropriate, arrangements can be made for student interns to participate in the team activities and carry out extended activities.

Cost of Services

There is no charge for processing an application or for an initial 30 minute meeting with a *CUBIC* task team. If the task leader and client agree on going forward to collaborate, a *Project Agreement* with budget, work statement, and list of deliverables will be proposed to the client. The signed Agreement, together with the initial (or sole) payment, is expected before the team begins its work. See fee schedule below.

Fee Schedule

There is no cost for an initial 30 minute presentation session with the CUBIC team. Normally, this visit will include a 1-3 person team and CAT representative, depending on client needs. After the initial session the normal consulting rate(s) will be

- single faculty project: \$400/hour, \$2,500/day
- group (≥ 2) faculty project: \$600/hour, \$4,000/day

Informatics Affiliates Program members will receive a 40% discount.

CUBIC Team Skills Matrix

	Evaluation Design	Measurement Studies	Use Case Analysis	Systems Architecture	Systems Performance	Interview/Focus Group	Survey Questionnaires	Observational Studies	Human Computer Interaction	Statistical Analysis	Data Mining	Text Mining	Natural Language Processing	Business/ Marketing Analysis
Technical														
Bakken	✓	✓	✓			✓	✓	✓		✓				
Chen			✓								✓			
Chiang	✓													
Friedman												✓	✓	
Hripcsak	✓	✓			✓					✓	✓	✓		
Johnson			✓								✓		✓	
Jordan			✓								✓			
Kaufman	✓							✓	✓					
Kukafka	✓	✓				✓	✓			✓				
Lussier			✓							✓	✓			
Mendonca	✓										✓			
Patel	✓							✓	✓					
Sengupta				✓		✓								
Shortliffe*														
Yu										✓	✓			
Business														
Gardner														✓
Silfen														✓

*For special client needs, Professor Ted Shortliffe will be available for limited consulting.

More details on Department of Biomedical Informatics faculty participating in the CUBIC project, and their areas of specialization, are available at www.cat.columbia.edu/CUBIC.

For more information, contact
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