

TITLE: Query Combinators for Medical Informatics

PRESENTER: Clark Evans

PRESENTER (DEPARTMENT ONLY):

PRESENTER (INSTITUTION ONLY): Prometheus Research, LLC

PRESENTER (CITY ONLY): Chicago

PRESENTER (COUNTRY ONLY): United States

PRESENTER (STATE/PROVINCE ONLY): IL

ABSTRACT BODY:

Abstract:

Query Combinators provide a practical methodology for clinicians and medical researchers to directly engage with complex medical data. With Query Combinators, interrogating a data source is seen as an incremental process of constructing algebraic expressions. Primitive elements are functions representing conceptual and attribute relationships. Combinators (compose, filter, sort, group, connect, aggregate) are used to build higher-level, domain-specific notions from those primitives. The query language can be further specialized to specific domains with user-defined query components.

PRESENTATION TYPE: Poster

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