

# Biomedical Informatics in Perspective

Basic Research

Biomedical Informatics Methods,  
Techniques, and Theories

Applied Research

Bioinformatics

Imaging  
Informatics

Clinical  
Informatics

Public Health  
Informatics

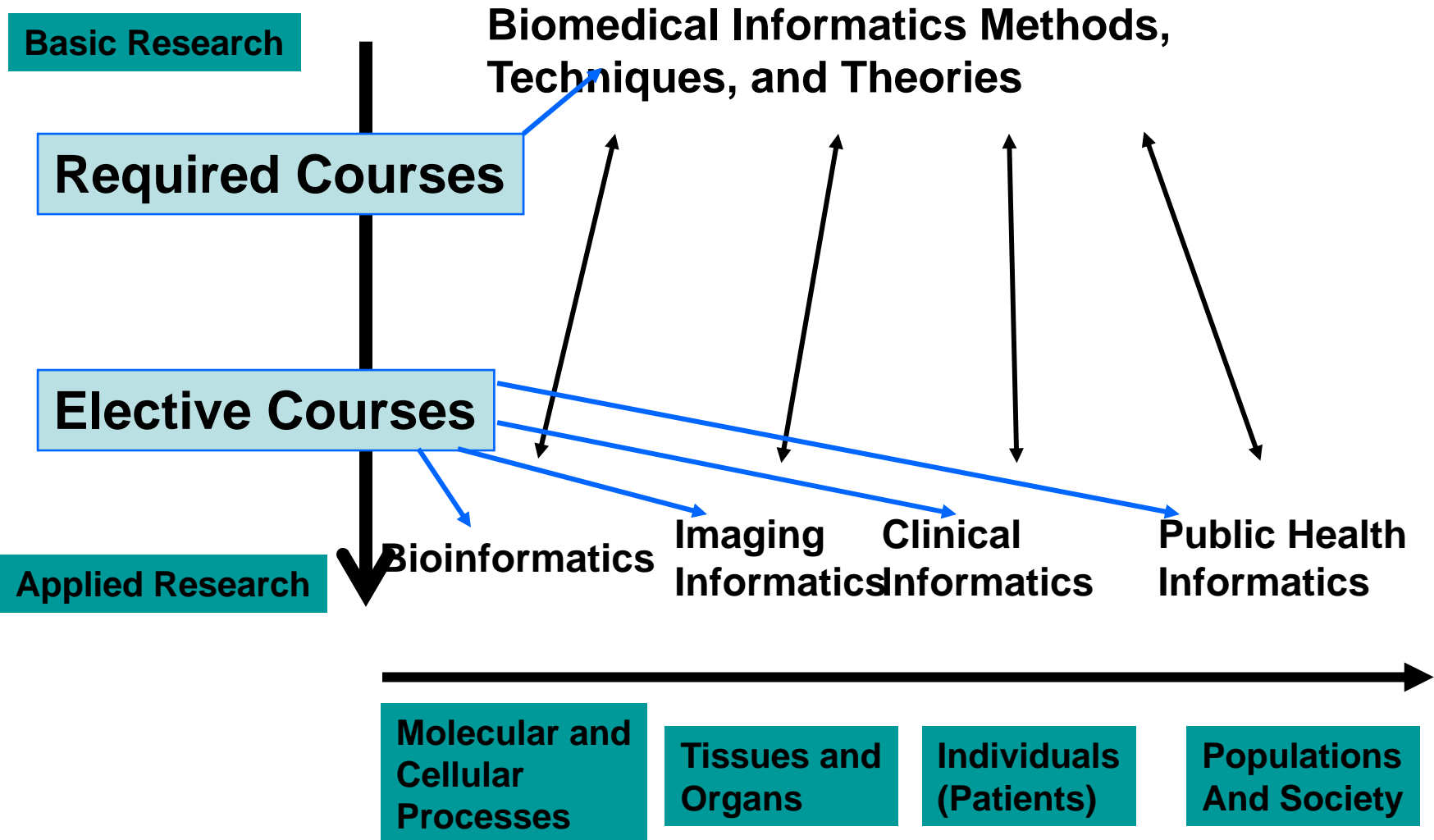
Molecular and  
Cellular  
Processes

Tissues and  
Organs

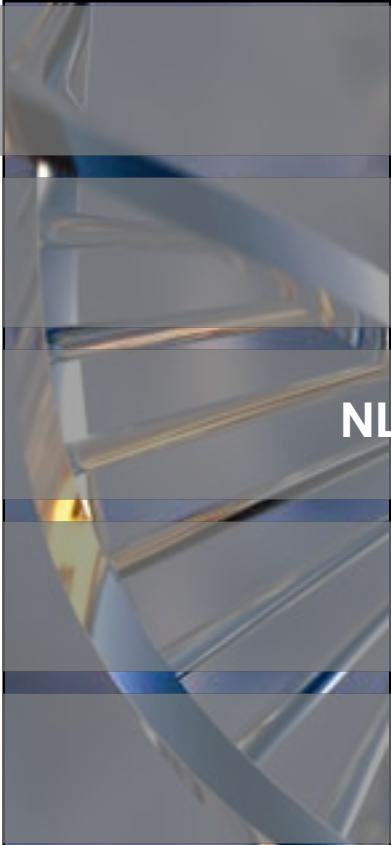
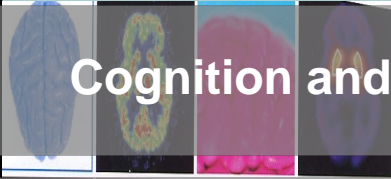
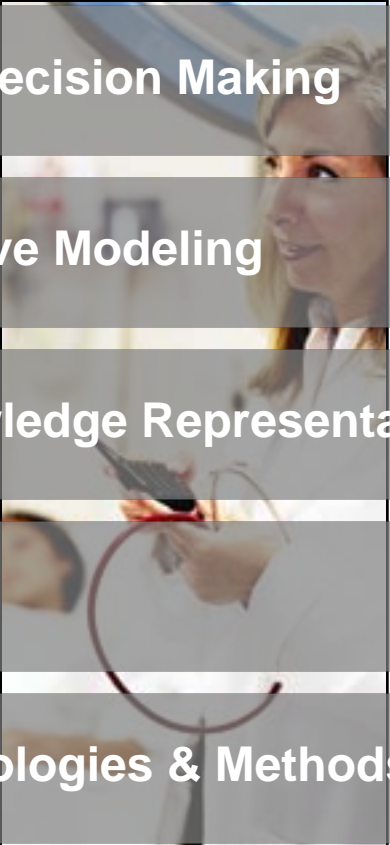
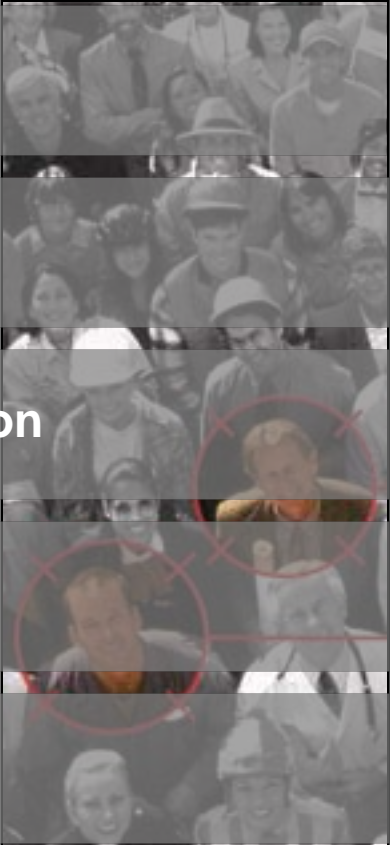
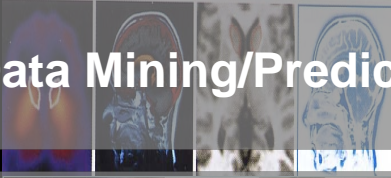
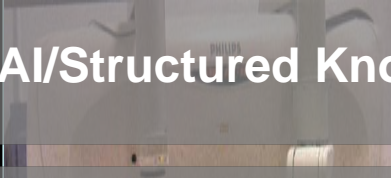
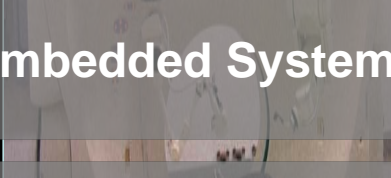
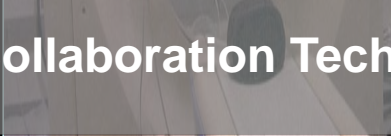
Individuals  
(Patients)

Populations  
And Society

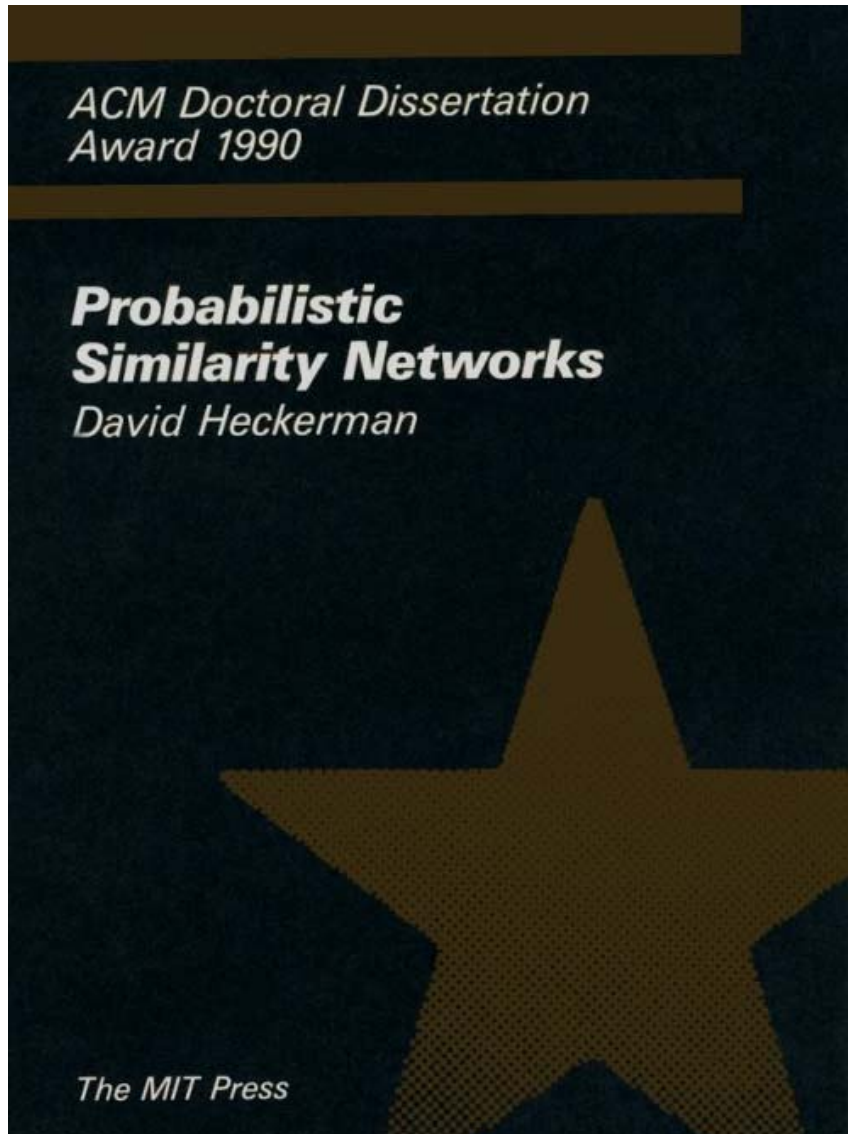
# Curricular Implications



# BMI Research Foci

Bioinformatics	Imaging Informatics	Clinical Informatics	Public Health Informatics
	 Cognition and Decision Making		
	 Data Mining/Predictive Modeling		
	 NLP/AI/Structured Knowledge Representation		
	 Embedded Systems		
	 Collaboration Technologies & Methods		

# David Heckerman, MD, PhD



- Briefly joined UCLA CS faculty
- Recruited to Microsoft Research
- Has directed uncertainty in AI research group
- Recently leading Microsoft effort to contribute to HIV vaccine development

# R. Martin Chavez, PhD (1990)



- Was MD/PhD student but after PhD decided not to complete MD degree
- Started Quorum Computing after completing his degree
- Goldman Sachs discovered his work and recruited him to New York office
- Subsequently transferred to London office where he quickly rose in company
- Recruited back to NYC to lead Credit Suisse First Boston operation
- Started Kiindex, Inc. (web-based energy futures services)
- Sold company and recruited back to Goldman Sachs
- Made partner in GS in 2006