



# Your Partner within Partners: Research and Teaching Opportunities at the MGH Institute of Health Professions

Peter S. Cahn, PhD

Associate Provost for Academic Affairs

[pcahn@mghihp.edu](mailto:pcahn@mghihp.edu)



# Mass. General to offer Masters degrees

16 students in first 'class' at first hospital in the commonwealth to receive degree-granting authority

By Marvin Pave  
Globe Staff

They're not ready yet to call Massachusetts General Hospital "Stanford East," but six advanced Masters degree candidates in physical therapy and 10 students working toward a certificate in medical social work have become the first "class" at MGH's new **Institute of Health Professions**.

Headed by Provost Dr. Julian F. Haynes, the **Institute**, which opened in September, is the first hospital in the Commonwealth to receive academic degree-granting authority from the Massachusetts Board of Higher Education.

The **Institute** is headquartered at the hospital's Bartlett Hall classrooms are also held at Sleeper Hall and at clinical and lab facilities at MGH and Children's Hospital and there are plans to phase-in five other health care disciplines, starting with Masters programs in dietetics and nursing in the fall of 1981.

Starting dates have not yet been set for a Masters program in speech-language pathology and for undergraduate programs in respiratory therapy and radiologic technology.

"We're not rushing into accommodating large numbers of students (who pay \$6500 annual tuition, based on about \$2200 for each of three semesters) at this point," said Haynes, who was selected from among 148 candidates nationally and was formerly assistant to the coordinator for health science education at the University of Maine.

"This is certainly not the hospital's first venture into the education field," he added, "but it is the beginning of our authority to grant academic degrees. The seven disciplines represent areas in which the hospital has had a long tradition in granting certificates."

The major difference now is that the **Institute** is more classroom-oriented, with the emphasis on more formal instruction and more laboratory instruction — as opposed to a strict on-the-job training.

"We'll develop gradually," he added. "We're taking candidates on a limited basis while we get our curriculum in place."

MGH's venture is one of the latest among several institutions in the state whose chief function, traditionally, is not teaching. Degree-grant-

ing authority has been granted recently, for example, to Cambridge consultant Arthur D. Little (1976) for a management education **Institute**, and, within the past year, to Wang Laboratories, which has started an **Institute** for graduate studies in Tyngsboro.

"One of our objectives," Haynes added, "is to have people on the faculty who maintain an active practice in the discipline. As we progress, we hope to admit 20 to 25 social work candidates each year and about 20 candidates per year in physical therapy, each within five years."

"We're going in the direction of a non-departmental structure, a unitary faculty and an interdisciplinary curriculum," Haynes said, "and because the **Institute** and hospital are linked physically and legally, we can use the hospital facilities more easily than if this was just an affiliation."

The school year is 45 weeks, or three semesters long, with time for vacation and semester breaks, and 26 faculty members are currently involved.

This is a brief description of the programs:

Currently operating: Graduate Certificate in Social Work is a 12-month program that provides preparation for work as case assistants; Master of Science in Physical Therapy is a two-year program of advanced professional study combining theory and clinical experience in neuromuscular, perceptual, developmental, musculoskeletal, cardiovascular and respiratory disorders.

For Fall, 1981: Master of Science in Nursing is a three-year program for college graduates who have a bachelor's degree but no previous nursing education; Master of Science in Dietetics is an 18-month program combining 12 months of professional study with an internship in clinical, community or administrative dietetics.

Unspecified starting dates: Master of Science in Speech-Language Pathology (two years, bachelor's degree or equivalent required); Bachelor of Science in Respiratory Therapy (two years, associate's degree needed) and Bachelor of Science in Respiratory Therapy (two years, associate's requirement).

Dr. Julian Haynes, provost of the MGH Education Division, and his assistant, Cynthia Snow, look at plans for renovation of a former nursing student dormitory.



**P**hysical therapy and medical social work are the pioneers, but there are plans to phase-in five other health care disciplines ranging from nursing to radiologic technology





MGH INSTITUTE  
OF HEALTH PROFESSIONS  
BOSTON, MASSACHUSETTS







MGH INSTITUTE  
OF HEALTH PROFESSIONS  
BOSTON, MASSACHUSETTS





## **School of Nursing**

- Accelerated Bachelor of Science in Nursing
- Master of Science in Nursing
- Doctor of Nursing Practice

## **School of Health and Rehabilitation Sciences**

- Master of Science in Speech-Language Pathology
- Doctor of Occupational Therapy
- Doctor of Physical Therapy
- Master of Physician Assistant Studies
- PhD in Rehabilitation Sciences

## **Center for Interprofessional Studies and Innovation**

- Online Science Prerequisites
- Master of Science in Health Professions Education
- Continuing and Professional Development



# Research Labs



COGNITIVE  
NEUROSCIENCE  
GROUP  
MGH Institute  
of Health Professions



Fatigue Research Lab



SPEECH  
& FEEDING  
DISORDERS LAB



Speech & Language  
Literacy Lab

Bob Hillman: [rhillman@mghihp.edu](mailto:rhillman@mghihp.edu)



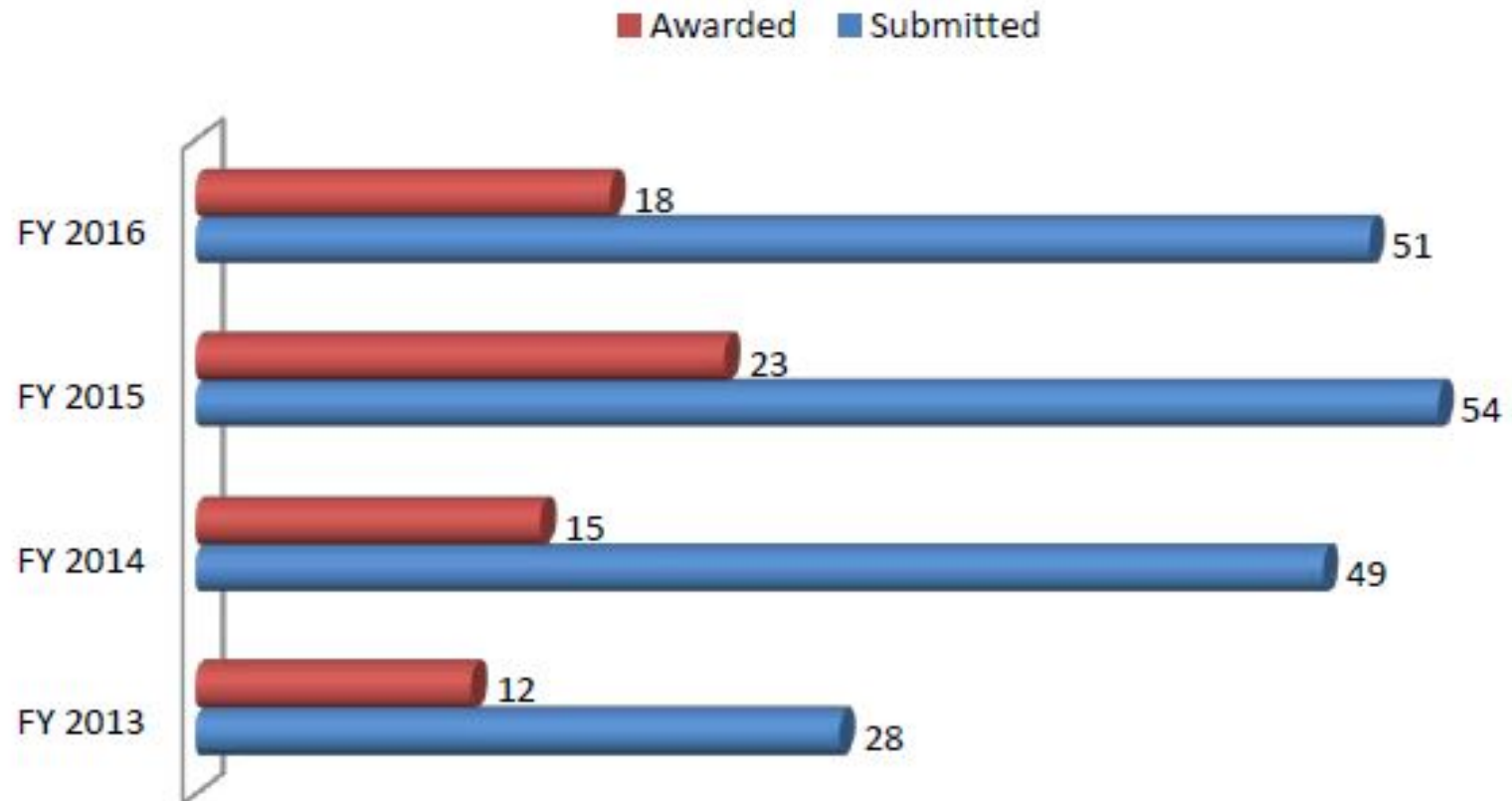


MGH INSTITUTE  
OF HEALTH PROFESSIONS  
BOSTON, MASSACHUSETTS





## Grants Submitted and Awarded







# Currently Funded Research

- Biomechanics of Articulatory Imprecision in Children with Cerebral Palsy
- Neurocognitive Underpinnings of Dyslexia and Dyscalculia
- Promoting Independence and Self-Management using mHealth
- Speech Movement Classification for Assessing and Treating ALS
- The Relation of Foot Mechanics to Medial Knee Load and Osteoarthritis Risk
- Understanding the Impact of Nurse Practitioners and Physician Assistants in Multiple Sclerosis Care
- Quantification of Predictive Motor Impairments in Individuals with ASD
- Anatomic and Biomechanic Biomarkers of Lingual Impairment in Persons with ALS
- Building Nursing Workforce Capacity in Sexual and Reproductive Health and Abortion Care



# Teaching Opportunities

- Term Lecturer
- Teaching Assistant
- Lab Instructor
- Guest Lecturer







MGH INSTITUTE  
OF HEALTH PROFESSIONS  
BOSTON, MASSACHUSETTS





MGH INSTITUTE  
OF HEALTH PROFESSIONS  
BOSTON, MASSACHUSETTS

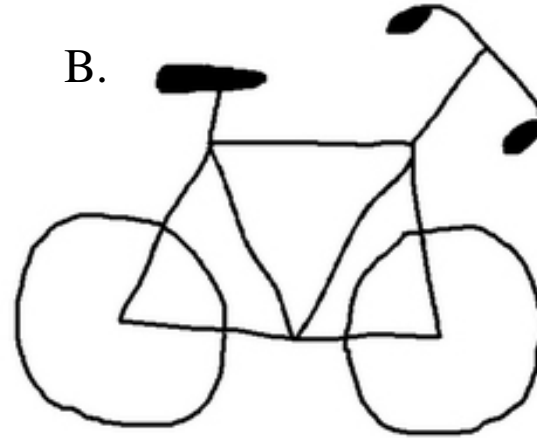




A.



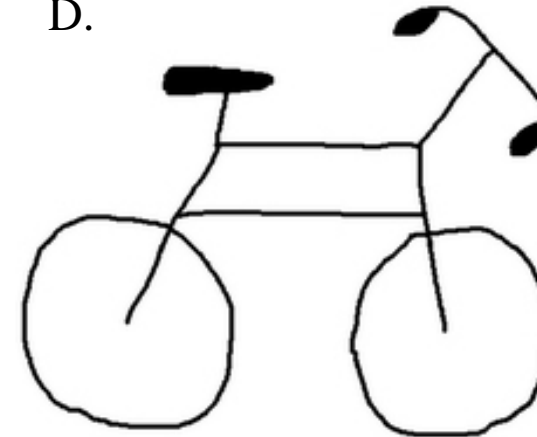
B.



C.



D.







Lawson, R. (2006). The science of cycology:  
Failures to understand how everyday objects  
work. *Memory & cognition*, 34(8), 1667-1675.



# Foundations of Teaching and Learning

- Online course
- Offered summer, fall
- Full-time employees of PHS may take one 3-credit course at half-price tuition

[ihpnondegree@mghihp.edu](mailto:ihpnondegree@mghihp.edu)



# Online Science Prerequisites

- Anatomy and Physiology I, II
- Biochemistry
- Biology I, II
- Chemistry I, II
- Exercise Physiology
- Microbiology
- Nutrition
- Physics I, II
- Abnormal Psychology
- Developmental Psychology
- Statistics

Lynn Foord: [lfoord@mghihp.edu](mailto:lfoord@mghihp.edu)





# Physician Assistant Studies

- Anatomy
- Physiology
- Immunology
- Microbiology

Lisa Walker: [lwalker15@mghihp.edu](mailto:lwalker15@mghihp.edu)



# Occupational Therapy

- Neuroscience
- Research methods
- SPSS
- Behavioral science

Regina Doherty: [rdoherty@mghihp.edu](mailto:rdoherty@mghihp.edu)



# Physical Therapy

- Inflammatory process, immune system response, and tissue healing
- Connective tissue composition and behaviors
- Pharmacodynamics and pharmacokinetics
- Muscle physiology

Pam Levangie: [pklevangie@mghihp.edu](mailto:pklevangie@mghihp.edu)