

# Strategic Plan for The Department of Basic science for Physical Therapy

## (2025-2021)

**Mission:** The Department of Basic science for Physical Therapy advocates for advances societal health by optimizing wellness and human performance through excellence in education, research, clinical practice, and service.

**Vision:** By integrating education, research, clinical practice, and service, Department of Basic science for Physical Therapy excels in:

- Graduating culturally competent professionals capable of delivering excellent client-centered clinical care through critical thinking, evidence based practice and lifelong learning.
- Providing new knowledge and evidence that enhances physical therapy science and supports clinical practice through expertise, innovation, technology and science.
- Guiding and promoting the physical therapy profession and rehabilitation science through engagement with scientific and professional organizations as well as local, national, and international communities.

**Values:** These values will serve as the basis for Department of Basic science for Physical Therapy to fulfill its mission and achieve its vision.

- Excellence
- Leadership
- Diversity, cultural competence, and inclusivity
- Social responsibility
- Collaboration and communication
- Respect, ethical behaviour, integrity, and professionalism

**Goal 1:** Achieve national and international pre-eminence with collaborations and inter-professional partnerships:

- Objective A: Establish a Program Project and/or Center of Excellence to address factors affecting age-related transitions in human motor function leading to disability and role of magnetic field to postpone that.
- Objective B: Create advanced clinical training programs
- Objective C: Maximize interprofessional spheres of influence and utilization of available resources

**Goal 2:** Ensure an infrastructure of human and physical resources that promotes efficient, effective, progressive, and cutting-edge operations

- Objective A: Complete a post graduate plan to sustain efficient and effective practices

- Objective B: Develop a master and doctoral plan to recruit, develop and retain qualified, talented and diverse faculty staff and students to support departmental programs
- Objective C: Utilize appropriate technologies to maximize education, research and service

**Goal 3:** Establish a large number of researches that serve developing of knowledge in undergraduate courses and encourage Candide to involve on it.

- Objective A: develop research papers about new era in electrotherapy modalities and its effects on different body systems.
- Objective B: Utilize appropriate technologies to maximize the accuracy of range of motion estimation and muscle recording devices as an objective method for evaluation.
- Objective C: create or modify new therapeutic techniques in dealing with different human body disorders.
- Objective D: optimize role of hydrotherapy in treating musculoskeletal injury and rehabilitation.
- Objective E: Establish double blind study in dealing with new era in physical therapy to estimate its effectiveness.
- Objective y: integrate artificial intelligence with different basic science era.

**Goal 3:** Ensure financial viability, sustainability, resiliency and growth of Department of Basic science for Physical Therapy

- Objective A: Maximize and prioritize available financial resources and establish contingency plans
- Objective B: Research and develop new recurrent funding sources
- Objective C: Maximize advancement opportunities by increasing endowments, foundation and discretionary fund raising

Prof Dr.

**Amr Abogazia**

chairman of basic science department

Prof Dr.

**Mahmoud Ewidea**

Dean faculty of physical therapy