### MD-PhD Health Sciences and Technology Curriculum Map

#### Year I
- **Summer Course/Research Rotation**
  - August
  - Growth of Physician Scientist (GPS)

#### Year II
- **Research**
  - Fall I: Microbiology, Human Reproductive Biology, Gastroenterology, Neuroscience
  - Winter/Spring II: Epidemiology, Pharmacology, Psychopathology, Intro to Clinical Medicine

#### Year III
- **USMLE Study/Step 1**
- \(\text{Graduate School Coursework/Research Rotations/Thesis Research}\)
- \(\text{Continuing Clinical Education Opportunities}\)

#### Year IV
- \(\text{Thesis Research}\)
- \(\text{Continuing Clinical Education Opportunities}\)

#### Year V
- \(\text{Thesis Research}\)
- \(\text{Continuing Clinical Education Opportunities}\)

#### Year VI
- \(\text{Thesis Research/Submit Paper(s)/Complete Thesis Requirements}\)
- \(\text{Continuing Clinical Education Opportunities}\)
- \(\text{Reintroduction to Clinical Medicine}\)

#### Year VII
- **Principal Clinical Experience (PCE): Core Clerkships**
  - Medicine, Neurology, OB/GYN, Pediatrics, Primary Care, Psychiatry, Radiology, Surgery
- \(\text{Advanced Clinical & Science Experiences**}\)
  - Clinical electives, sub-internships, other electives including research

#### Year VIII
- **Advanced Clinical and Science Experiences**
  - USMLE Step 2 CK
  - Clinical Capstone (1 required month)

### Key Dates
- **Step 1**: Study July and take Pre-PhD in August
- **Step 2 CK**: Take by 12/31 Year VIII

### Additional Notes
- **Introduction to the Profession (ITP)**
  - August: Biostatistics, Matlab for Medicine, Intro to Biochemistry
  - January: Essentials of the Profession, Principles of Biomedical Imaging

- **Spring I**: Introduction to Care of Patients, Hematology, Endocrinology, Cardiovascular Pathophysiology, Respiratory Pathophysiology, Renal Pathophysiology, Musculoskeletal Pathophysiology

- **Anchoring Clinical Experience (ACE)**
  - Note: For five-year students only, two-month full-time experience at Mt. Auburn Hospital, followed by Step 1
  - MD Re-entry: Three possible points to re-enter PCE
  - Recess: *Note: Due to varying schedules, students in Advanced Clinical & Science Experiences have different break periods.

- **Comprehensive Exam**

- **USMLE Step 1, Steps 2 CK**

### Research Opportunities
- While research opportunities are available in the last year and half of medical school, these cannot overlap with clinical coursework which require 100% effort.

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*Last updated 4/1/21*