

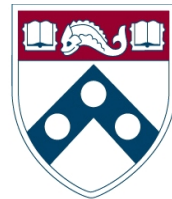


HHMI Med into Grad Scholars Program University of Pennsylvania School of Medicine





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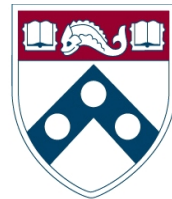


REQUIRED COURSES

- Cellular Physiology
- Cellular Pathology
- Human Physiology
- Pathologic Mechanisms of Disease
- Basic Immunology
- 2 courses on translational research -
TIMM and CSTR
- 1 Bench to Bedside Elective



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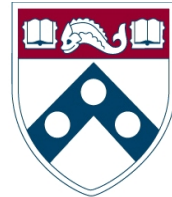
TIMING OF COURSES

	Fall	Spring
Year 1	Cell Physiology	Cell Pathology
Year 2	Medical Physiology	Human Pathology
Year 3	Case Studies Translational Research	

TiMM + B-B electives - when convenient



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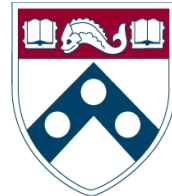


TOPICS IN MOLECULAR MEDICINE

A weekly seminar course provides a connections between biomedical research and clinical medicine
Designed for first year MD/PhD, VMD/PhD and our PhD students

CASE STUDIES IN TRANSLATIONAL RESEARCH

CSTR emphasizes the mechanisms for translational research. Focus is on translational research ongoing at Penn/CHOP as well as regional pharmaceutical companies

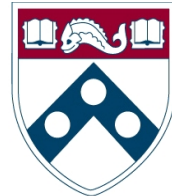


FORMAT OF COURSES

- Lecture: Cell Physiology, Basic Immunology, Human Physiology
- Lecture /Small Group: Pathologic Mechanisms of Disease
- Seminar : TiMM, CSTR
- Elective: B-B Seminar or Lecture



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STUDENT ASSESSMENT

Lecture courses: multiple choice test / essay

Seminar: presentations, participation, papers

How do you know the students are learning the necessary elements?

How do we know we are teaching the necessary elements?



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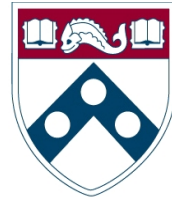
OPTIMIZATION

How do you provide the knowledge in an economical way?

- Utilization of existing courses in BGS
- Seek out additional clinical faculty.



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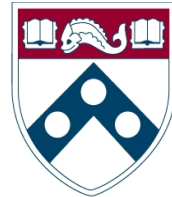


CHALLENGES AND SOLUTIONS

- Students come from 7 different graduate groups and have very different backgrounds.
- Graduate Groups have different expectations /priorities.
- Identify clinical faculty committed to the program



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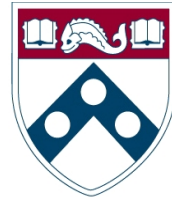


CHALLENGES AND SOLUTIONS

- Didactic training
- Efficiency
- Integration
- Sustainability



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CHALLENGES AND SOLUTIONS

- Certificate program
- Graduate group
- Scholars program