

# MD/PHD (MDPH)

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## **MDPH 5000 MD-PhD Laboratory Rotation (1 Credit)**

TBA (Fall, Winter, Spring, Summer) -First laboratory rotation (4 weeks) under supervision of faculty and staff.

Grading: Sat / Unsat

## **MDPH 5001 MD-PhD Laboratory Rotation (1 Credit)**

TBA (Fall, Winter, Spring, Summer) - Second laboratory rotation (4 weeks) under supervision of faculty and staff.

Grading: Sat / Unsat

## **MDPH 5002 MD-PhD Laboratory Rotation (1 Credit)**

TBA (Fall, Winter, Spring, Summer) - Third laboratory rotation (4 weeks) under supervision of faculty and staff.

Grading: Sat / Unsat

## **MDPH 5150 Grant Writing for MD-PhD Students (1 Credit)**

L. Schimmenti (Odd: Winter) – This one-week colloquium will cover grant writing, submission and review processes. Students will be required to produce a draft grant application (F30 format) and a completed NIH biosketch. Limited to M.D.-Ph.D. students. Medical students may take with permission from course director.

Grading: Sat / Unsat

## **MDPH 5200 Critical Reading Skills for MD-PhD Students (2 Credits)**

S. Kaufmann (Even: Winter) – This one-week colloquium is designed to enhance critical reading skills. The course involves large group discussions of recent literature articles, emphasizing best practices in experimental design, data analysis, presentation and interpretation as well as student presentations of paired articles, specifically articles that reach mutually incompatible conclusions. In addition, students will individually prepare brief written critiques of a recent article. Limited to M.D.-Ph.D. students. Medical students may take with permission of course director.

Prerequisites: MDPH 5000

Grading: Sat / Unsat

## **MDPH 5300 MD-PhD Conference (1 Credit)**

S. Kaufmann, (993: Fall, Winter, Spring) – Weekly MD-PhD Conference includes journal clubs (article presentation by students), clinical pathologic correlations (clinical cases presented by students) and career development talks. MD-PhD students in the PhD phase must present one article per year and one clinical pathologic correlations case every other year. Attendance required: 70% of scheduled conferences. Registration limited to M.D.-Ph.D. students in the PhD phase of the MD-PhD program. Register in fall quarter only (1 cr. /yr.).

Grading: Sat / Unsat

## **MDPH 6100 MD-PhD Clinical Experience (0 Credits)**

L. Schimmenti, A. Beyder (Winter, Summer) – For MD-PhD students in the research years to maintain focused clinical training by selecting an MD mentor and performing history/physical exams, developing a clinical plan, and, where able, participating in surgeries. Minimum of 20 hours per semester (longitudinal or immersion) during summer/fall or winter/spring). Pre-requisites: Successful completion of M1 and M2 coursework, USMLE Step 1, and Transitions to Clerkship Course (formerly Preclinical Block).

Grading: Sat / Unsat

## **MDPH 6200 Senior Post Graduate MD/PhD Research Experience (1 Credit)**

S. Kaufmann, L. Schimmenti (Fall, Winter, Spring, Summer) - This is an up to 16-week course for MD-PhD students who have completed their PhD coursework and thesis research, successfully defended, and completed the post-defense requirements and would like to return to the laboratory to work on a new project with a new laboratory mentor or complete a promising project that was started with their original mentor.

Grading: Sat / Unsat