



DEPARTMENT OF IMMUNOLOGY

UNIVERSITY of WASHINGTON

**Medical Scientist Training Program (MSTP)
Supplemental Curriculum Specifications**

(Updated for 2016-17 Academic Year)

First Year MSTP Students – total of at least* 15 graded credits:

Autumn Quarter – 3 graded credits

Weeks 1-5

IMMUN 537 *Immunological Methods* – 1.5 graded credits

Weeks 6-10

Conjoint 532 *Signal Transduction from the Cell Membrane to the Nucleus* (PHCOL) – 1.5 graded credits

Conjoint 537 *Mechanism of Transcriptional Regulation* (BIOCHEM) – 1.5 graded credits

Or another approved electives course

Weeks 1-10

IMMUN 550 *Selected Topics in Immunology* (Research in Progress) – 1 ungraded credit

IMMUN 551-579 *Research Conferences & Lab Meetings* – 1 ungraded credit

IMMUN 573 *Immunology Seminar Series* – 1 ungraded credit

IMMUN 600 *Independent Research* – variable ungraded credits

Winter Quarter – 7 graded credits

Weeks 1-5 (choose 1 or 2 for the 1st 5 weeks of Winter Quarter)

MolMed 514A *Molecular Medicine* (MolMed) – 1.5 graded credits (must be paired with MolMed 514B)

Conjoint 544 *Protein Structure, Modification and Regulation* (MCB) – 1.5 graded credits

Conjoint 526 *Introduction to Systems Biology and Quantitative Approaches to Biomedical Sciences*
(*Biochem*) – 1.5 graded credits

Weeks 6-10

MolMed 514B *Molecular Medicine* (MolMed) – 1.5 graded credits (must be paired with MolMed 514A)

Weeks 1-10

IMMUN 532 *Intersection of Innate and Adaptive Immunity in Disease* – 4 graded credits

IMMUN 550 *Selected Topics in Immunology* (Research in Progress) – 1 ungraded credit

IMMUN 551-579 *Research Conferences & Lab Meetings* – 1 ungraded credit

IMMUN 573 *Immunology Seminar Series* – 1 ungraded credit

IMMUN 600 *Independent Research* – variable ungraded credits

PLUS ADD ELECTIVES as needed – 2-3 graded credits

Spring Quarter – 5 or 5.5 graded credits

Weeks 1-5

Conjoint 547 *Molecular Evolution of Viral-Host Interactions* (MICRO) – 1.5 graded credits

Weeks 6-10

Conjoint 549 *Pop Biol Microorg* – 1.5 graded credits

MolMed 504 *Challenges in Molecular Medicine* – 1.5 graded credits

Or Weeks 1-10

Conjoint 530 *Directing Stem Cells toward Regenerative Medicine* (Biochem) – 3 graded credits

Weeks 1-10

IMMUN 534A *Central Issues in Immunology* – ungraded credits (TBD)

IMMUN 538 *Immunology - Disease and Treatment* – 2 graded credits

IMMUN 550 *Selected Topics in Immunology* (Research in Progress) – 1 ungraded credit

IMMUN 551-579: *Research Conferences & Lab Meetings* – 1 ungraded credit

IMMUN 573 *Immunology Seminar Series* – 1 ungraded credit

IMMUN 600 *Independent Research* – variable ungraded credits



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Summer Quarter

UCONJ 510 *Introductory Laboratory Based Biostatistics* – 2 graded credits (required course)

Biomedical Research Integrity Series – Beginning with their first summer quarter, all students are required to attend lectures offered as part of a Summer Quarter series on *Biomedical Research Integrity*, and will be informed of these lectures as they are scheduled. The Department of Immunology requires Immunology graduate students to attend every offered lecture and a minimum of one discussion workshop in the *Biomedical Research Integrity Series* every 4th year.

* **NOTE:** MSTP Students must take 3 graded elective credits during AY Year 1 and Year 2 in order to have 18 graded credits before the General Exam in Year 2.

Note for 1st & 2nd Year Approved and/or Elective Courses:

Conjoint courses change occasionally. Students should check the Time Schedule on a quarterly basis for the most current Conjoint course listings and descriptions.

When choosing Conjoint courses or electives, please keep in mind that the following courses are ***not recommended*** for Immunology graduate students (as of AUT/15):

Conjoint 524 Structural Basis of Signal Transduction
Conjoint 531 Signaling Mechanisms in Excitable Cells
Conjoint 536 Experimental Design in Cell Biology
Conjoint 545 Molecular Interactions and Medicine
Conjoint 546 Survey of Technologies for Molecular Biology
Conjoint 551 Immunity (Roland Strong's course)

Other courses are more valuable to your Immunology course of study. Check with the Graduate Program Advisor, Sandy Turner, for a list of previously approved electives.

Second Year MSTP students – total of at least 3 graded credits

Autumn Quarter – Teaching Assistant for IMMUN 441

Winter Quarter - Elective(s) of 2-3 graded credits

Spring Quarter – graded credits (TBD)

IMMUN 534B *Central Issues in Immunology* – graded credits (TBD)

ADDITIONAL Autumn, Winter, Spring & Summer Quarters (as indicated)

IMMUN 550 *Selected Topics in Immunology* (Research in Progress) – 1 ungraded credit (A,W,Sp)

IMMUN 551-579 *Research Conferences & Lab Meetings* – 1 ungraded credit (A,W,Sp,S)

IMMUN 573 *Immunology Seminar Series* – 1 ungraded credit (A,W,Sp)

IMMUN 600 *Independent Research* (pre General Exam) – variable ungraded credits (A,W,Sp,S) **OR**

IMMUN 800 *Doctoral Dissertation* (post General Exam) – variable ungraded credits (A,W,Sp,S)

PLUS ADD ELECTIVES AS NEEDED

Third Year and Beyond

IMMUN 550 *Selected Topics in Immunology* (Research in Progress) – 1 ungraded credit (A,W,Sp)

IMMUN 551-579 *Research Conferences & Lab Meetings* – 1 ungraded credit (A,W,Sp,S)

IMMUN 573 *Immunology Seminar Series* – 1 ungraded credit (A,W,Sp)

IMMUN 600 *Independent Research* (pre-General Exam)– variable ungraded credits (A,W,Sp,S) **OR**

IMMUN 800 *Doctoral Dissertation* (post-General Exam)– variable ungraded credits (A,W,Sp,S)