

SPRING 2025 PHD COURSE SCHEDULE

School of Graduate Studies Health Science Campus, Newark

Additional courses located on the Master schedule may be available with permission from the course director.

Highlighted courses are not available for online registration. Students must seek permission from the course director.

[Click here for a Description of Courses](#)

Course Number	Course Title	Course Director	Prerequisites	Credits	Grade Mode	Date	Day	Time	Instruction Mode	Location
BIOC 5125Q	Viruses, Cells and Disease	Dr. Sergie Kotenko primay instructor kotenkse@njms.rutgers.edu 973-972-3134 Dr. Michael Mathews mathews@njms.rutgers.edu 973-972-3133	PhD & Masters Students Instructor's permission is required for Master Students Enrollment Limit: 30 Students	2	N	1/7-2/25	Tuesday Thursday	5:00pm-7:00pm	In-Person	CC H-1196
BMEG 5000Q	Thesis Research	Faculty	Completion of course requirements	4.5 PT 9 FT	S/U	N/A	By Arrangement			
BMEG 5930Q	Biomedical Engineering Research	Faculty		1 to 9	N	N/A	By Arrangement			
BMEG 593AQ BQ CQ	Biomedical Engineering Research	Faculty		2-3	N	N/A	By Arrangement			
CBMM 5020Q	Developmental Biology & Stem Cells	Dr. Diego Fraidenraich fraidedi@njms.rutgers.edu 973-972-5525	PhD & Masters Students Enrollment Limit: 30 Students	2	N	2/11-3/28	Tuesday Friday	10:00am-11:50am	In-Person/ Remote	MSB B610
CBMM N5001	Basic Histology	Dr. Virgil Muresan muresavi@njms.rutgers.edu 973-972-2392 office 908-723-1006 cell	PhD & Masters Students Enrollment Limit: 55 Students	3	N	1/2-4/10	Thursday	6:00pm-9:00pm	In-Person/Remote	MSB B610
CBNP 5000Q	CBNP Thesis Research	Faculty	Completion of course requirements	4.5 PT 9 FT	S/U	N/A	By Arrangement			
CBNP 5033Q	Systems Neuroscience	Dr. Kevin Beck beckkd@njms.rutgers.edu 973-676-1000	PhD & Masters Students Master students must have had Funds of Neuroscience Enrollment Limit: 25 Students	2	N	4/22-6/17	Tuesday Wednesday	5:00pm-6:50pm	In-Person/ Remote	MSB B619
CBNP 5036Q	Molecular Physiology of Cell Communication	Dr. Ioana Carcea ic283@njms.rutgers.edu 973-972-7798	Required of all CBNP 1st year students	4	N	1/8-4/23	Monday Wednesday	2:00pm-3:50pm	In-Person	MSB H609

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CBNP 5068Q	Molecular Mechanisms of Diseases	Dr. Lai-Hua Xie xiela@njms.rutgers.edu 973-972-2411	PhD & Masters Students Must have background in Cell & Molecular Biology Enrollment Limit: 20 Students	3	N	2/5-5/7	Wednesday	2:00pm-4:50pm	In-Person/ Remote	MSB B619
CBNP 5156Q	Critical Readings in CBNP	Dr. Gopal Babu primary instructor babugo@njms.rutgers.edu 973-972-5376 Dr. Annie Beauve beuveav@njms.rutgers.edu Dr. Debkumar Pain paine@njms.rutgers.edu	PhD Students	1	S	1/3-4/4	Friday	1:30pm-2:50pm	In-Person	MSB B619
CBNP 5930Q	Lab Rotations in CBNP	Dr. Tibor Rohacs rohacsti@njms.rutgers.edu 973-972-4464	Use this course# for all subsequent rotations	1 to 9	S/U	By Arrangement				
CBNP 593AQ BQ CQ	Lab Rotations in CBNP	Dr. Tibor Rohacs rohacsti@njms.rutgers.edu 973-972-4464	Use for first 3 rotations	2-3	N	By Arrangement				
DENT 5225Q	Bacteriology & Oral Infectious Diseases	Dr. Daniel Kadouri kadourde@sdm.rutgers.edu 973-972-7401	PhD & Masters Students Not open to students taking or had Oral Microbiology Enrollment Limit: 50 Students	3	N	2/6-5/1	Tuesday Thursday	10:00am-11:50am	In-Person	MSB B619
DENT 5220Q	Methods in Microscopic Imaging	Dr. Kabilan Velliyagounder velliyyka@sdm.rutgers.edu 973-972-5051	PhD & Masters Students Enrollment Limit: 12 Students	2	N	1/8-4/23	Wednesday	1:00pm-2:50pm	In-Person/ Remote	TBA
GSND 5001Q	Responsible Conduct of Research	Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	PhD Students	1	S/U	1/20-5/5	Monday	4:00pm-4:50pm	In-Person	MBS B619
GSND 5113Q	Gene Expression	Dr. Emanuel Goldman egoldman@njms.rutgers.edu 973-972-4367 office 201-774-0161 cell	PhD & Masters Students Enrollment Limit: 25 Students	3	N	4/29-6/26	Tuesday Thursday	3:20pm-5:50pm	Remote	N/A

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GSND 5120Q	Clinical Implications of Human Poisoning	Dr. Cynthia Santos csi315@njms.rutgers.edu 718-887-6530	PhD & Masters Students Enrollment Limit: 75 Students	3	N	6/2-7/24	Monday Thursday	2:00pm-4:50pm	In-Person	MSB B610
GSND 5320Q	Pharmacology & Pharmaceutical Marketing	Dr. David Segarnick segarnjd@njms.rutgers.edu 201-919-1202	Open to Masters & PhD Students PHPY 5020, PHPY N5021, PHPY N5225 Enrollment Limit: 50 Students	2	N	1/7-3/4	Tuesday	7:00pm-8:30pm	Remote	N/A
GSND 5325Q Section 001	Introduction to BioMedical Ethics	Dr. Michael Shapiro mes362@njms.rutgers.edu 973-972-5017	Enrollment Limit: 30 Students	2	N	1/9-4/24	Thursday	10:00am-11:50am	Remote	N/A
GSND 5325Q Section 002	Introduction to BioMedical Ethics	Dr. Michael Shapiro mes362@njms.rutgers.edu 973-972-5017	Enrollment Limit: 30 Students	2	N	1/7-4/22	Tuesday	2:00pm-3:50pm	In-Person	MBS B610
GSND 5340Q	High Throughput Biomedical Data Analysis (BMDA)	Dr. Evan Johnson wj183@njms.rutgers.edu 801-472-6951	PhD & Master Students Enrollment Limit: 20 Students	2	N	4/21-6/12	Monday Wednesday	10:00am-12:00pm	In-Person/ Remote	TBA
GSND 5345Q	Fundamentals of Data Science	Dr. Evan Johnson wj183@njms.rutgers.edu 801-472-6951	PHD & Master Students Enrollment Limit: 30 Students	2	N	1/6-2/21	Monday Wednesday	10:00am-12:00pm	In-Person/ Remote	TBA
MBGC 5000Q	MBGC Thesis Research	Faculty	PhD Students	4.5 PT 9 FT	S/U	By Arrangement				
MBGC 5002Q	Intorduction to Genomics, Proteomics, and Bioinformatics	Dr. Seema Husain primary instructor husainse@njms.rutgers.edu Dr. Vivian Bellofatto bellofat@njms.rutgers.edu	PhD & Masters Students GSND 5200Q or GSND N500A or permission from the course director Enrollment Limit: 24 Students	2	N	2/24-4/16	Monday Wednesday	10:00am-11:50am	In Person	MSB B619
MBGC 5015Q	Cancer Biology: External Factors in Cancer Progression	Dr. Robert Weider wiederro@njms.rutgers.edu 973-972-4871	PhD Students	2	N	2/25-4/11	Tuesday Friday	10:00am-11:50am	In Person/Remote	CC H1196

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MBGC 5020Q	Cancer Biology: Intrinsic Cell Signaling and Cancer Development	Dr. Robert Weider wiederro@njms.rutgers.edu 973-972-4871	PhD Students	2	N	1/3-2/21	Tuesday Friday	10:00am-11:50am	In Person/Remote	CC H1196 room confirmed
MBCG 5910Q	MBGC Seminar Series	Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Fall & Spring registration of this course is required for MBGC students	0.5	S/U	1/2-6/6	Varies	Varies	In-Person/Remote	N/A
MBGC 5930Q*	Lab Rotations in MBGC	Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Use this course number for all subsequent rotations	1-9	S/U	By Arrangement				
MBCG 593AQ BQ, CQ*	Lab Rotations in MBGC	Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Use for first 3 rotations	2-3	N	By Arrangement				
MPHD 5000Q	MD/PhD Thesis Research	Dr. Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to MD/PhD Students	4.5 PT 9 FT	S/U	By Arrangement				
MPHD 5930Q	MD/PhD Laboratory Research	Dr. Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to MD/PhD Students	1 to 9	S/U	By Arrangement				
MSBS N512Q	Topics in Cancer Stem Cell Biology	Dr. Garima Sinha sinhagl@njms.rutgers.edu	PhD & Masters Students	2	N	5/22-6/26	Tuesday Thursday	6:00pm-7:50pm	Remote	N/A
MSBS N5134	Hematopoietic Stem Cell Biology and Dysfunction	Dr. Lauren Sherman shermalal@njms.rutgers.edu	PhD & Masters Students Background in cell biology and stem cell biology suggested	2	N	1/13-3/31	Monday	6:00pm-8:00pm	In-Person	MSB B610
NEUR N5040	Neurobiology of Disease	Dr. Kevin Beck beckkd@njms.rutgers.edu 973-676-1000	PhD & Master Students Neur 5200Q, CBNP 5033 or permission from course director Enrollment Limit: 25 Students	3	N	1/9-4/17	Thursday	5:30pm-8:20pm	In-Person/Remote	MSB B619
PATH 5130Q	DNA Repair in Health & Disease	Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	PhD & Masters Students Enrollment Limit: 18 Students	1	N	1/13-2/24	Monday Wednesday	4:00pm-5:20pm	In-Person/Webex	MSB B610

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PHMS 5000Q	Biomedical Science Thesis Research	Faculty	Completion of course requirements	4.5 PT 9 FT	S/U	By Arrangement				
PHPY 5005Q	Fundamentals of Human Physiology	Dr. Patricio Mujica mujica.patricio@rutgers.edu	PhD & Masters Students Enrollment Limit: 230 Students	3	N	1/6-4/28	Monday	2:00pm-4:50pm	In-Person/ Remote	MSB B554
PHPY 5085Q	Neuroendocrinology: Regulation of Physiological Processes	Dr. Vanessa Routh routhvh@njms.rutgers.edu 973-972-1489 office 908-500-2755 cell	PhD & Masters Students IBMS or Funds A or permission of course director PHPY 5290 suggested but not required Enrollment Limit: 24 Students	2	N	2/25-4/17	Tuesday Thursday	4:00pm-5:50pm	In-Person/Remote	MSB B619 Tuesday MSB B616 b&c Thursday
PHPY N526Q	Principles of Toxicology II	Dr. Ramez Labib ramezlabib@yahoo.com Dr. Thomas Visalli tvis624@yahoo.com	PhD & Masters Students	3	N	2/4-5/6	Tuesday	6:00pm-6:50pm	Remote	N/A
TII 5000Q	III Thesis Research	Faculty	PhD Students	4.5 PT 9 FT	S/U	By Arrangement				
TIII 5021Q	Molecular Pathogenesis of Bacteria	Dr. Samantha Bell sb2118@njms.rutgers.edu 973-854-3366	PHD Students	2	N	2/24-4/18	Tuesday Friday	2:00pm-4:00pm	In-Person	ICPH E220R
TIII 5022Q	Advanced Concepts in I3	Dr. George Yap primary instructor yapgs@njms.rutgers.edu 973-972-5394	PHD Students TIII 5620Q and PATH 5210Q	4	N	2/24-6/20	Monday Wednesday	1:00pm-2:50pm	In-Person	CC F-1196
TIII 505DQ	Antigenic Variation and Drug Resistance in Infectious Diseases	Dr. Katsunori Sugimoto sugimoka@njms.rutgers.edu 973-972-4436	PHD Students	0.5	N	1/9-3/6	Thursday	9:45am-11:15am	In-Person	ICPH E225
TIII 505FQ	Critical Readings: Tuberculosis	Dr. Selvakumar Subbian subbiase@njms.rutgers.edu 973-854-3226	PHD Students	0.5	N	5/7-6/25	Wednesday	2:00pm-4:00pm	In-Person/Remote	TBA
TIII 505JQ	Critical Readings in Virology	Dr. Theresa Chang changth@njms.rutgers.edu 973-634-4553	PhD Students	0.5	N	3/4-4/22	Tuesday	9:30am-11:00am	In-Person	ICPH Auditorium

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TIII 5930Q	Lab Rotations I*	Dr. David Lukac lukacdm@njms.rutgers.edu 973-972-4868	Use this course# for all subsequent rotations	1 to 9	S/U	By Arrangement				
TIII 593AQ BQ CQ	Lab Rotations I*	Dr. David Lukac lukacdm@njms.rutgers.edu 973-972-4868	Use for the first 3 rotations	2-3	N	By Arrangement				

First Three Rotations- register for A, B, C respectively- all subsequent rotations register for 1 to 9 cr S/U

During the online registration period, students may obtain email permission from the course director and forward to the Registrar office leeba@gsbs.rutgers.edu and will be manually registered for courses highlighted in yellow

Add/Drop Forms are required after the online registration period has ended

It is the responsibility of the student to contact the professors for update-to-date course information. Emails & phone numbers are provided for your convenience