

SPRING 2021 PHD COURSE SCHEDULE

School of Graduate studies

Consult (<http://njms.rutgers.edu/gsbs/index.cfm>) or respective Course Director(s) for up to date information.

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COURSES HIGHLIGHTED IN YELLOW ARE NOT AVAILABLE FOR ONLINE REGISTRATION

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Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Start Time	End Time	Location
6718 5600S	Communicating Science	Nicholas Ponzio ponzio@njms.rutgers.edu 973-972-5238	PhD Students only. Permission of Instructor Needed	3	S/U	Wednesday	1/20	5/5	4:00 PM	7:00 PM	Virtual
BIOC 5125Q	Viruses, Cells and Disease	Michael Mathews mathews@njms.rutgers.edu 973-972-3133 Sergei Kotenko kotenkse@njms.rutgers.edu	Open to Masters & PhD students. Approval by Course Directors for Masters students. Enrollment limit 30	2	N	Tuesday & Thursday	1/7	2/25	5:00 PM	6:50 PM	Virtual
BMEG 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
BMEG 5930Q*	Biomedical Engineering Research	Faculty		1 to 9	S/U	By Arrangement					
BMEG 593AQ, BQ, CQ*	Biomedical Engineering Research	Faculty		2	N	By Arrangement					
CBMM 5020Q	Developmental Biology & Stem Cells	Diego Fraidenraich fraidedi@njms.rutgers.edu 973-972-5525	Open to Masters & PhD students. Enrollment Limit 20	2	N	Tuesday & Friday	2/19	4/9	10:00 AM	11:50 AM	Virtual
CBNP 5000Q	CBNP Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
CBNP 5033Q	Systems Neuroscience	Kevin Beck beckkd@njms.rutgers.edu 973-676-1000 x3682	Enrollment limit 25.	2	N	Tuesday & Wednesday	4/20	6/20	5:00 PM	6:50 PM	Virtual
CBNP 5036Q	Molecular Physiology of Cell Communication	Mariana De Lorenzo delorems@njms.rutgers.edu 973-972-0822 Andrew Harris aharris@njms.rutgers.edu 973-972-1620	Open to PhD Students only. Required of all CBNP 1st year students.	4	N	Monday & Wednesday	1/6	4/19	2:00 PM	3:50 PM	Virtual

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CBNP 5068Q	Molecular Mechanisms of Diseases	Yongkyu Park parky1@njms.rutgers.edu 973-972-5504	Open to Masters & PhD students. Background in Cell and Molecular Biology	3	N	Mondays	2/8	5/17	6:00 PM	9:00 PM	Virtual
CBNP 5140Q	Topics in Neuroimmunology	Christine Rohowsky-Kochan rohowscm@njms.rutgers.edu	Open to Masters and PhD Immunology Course as a prerequisite or Permission of instructor	2	N	Monday & Wednesday	2/22	4/12	5:00 PM	6:50 PM	Virtual
CBNP 5156Q	Critical Readings in CBNP	Gopal Babu babugo@njms.rutgers.edu 973-972-5376 Jorge Contreras contrejo@njms.rutgers.edu 973-972-3666	Open to PhD Students only.	1	S/U	Friday	1/8	4/2	1:30 PM	2:50 PM	Virtual
CBNP 5930Q*	Lab Rotations in CBNP	Joshua Berlin berlinjr@njms.rutgers.edu 973-972-1618 Joseph McArdle mcardle@njms.rutgers.edu 973-972-4428	Use this course # for all subsequent rotations.	1 to 9	S/U	By Arrangement					
CBNP 593AQ, BQ, CQ*	Lab Rotations in CBNP	Joshua Berlin berlinjr@njms.rutgers.edu 973-972-1618 Joseph McArdle mcardle@njms.rutgers.edu 973-972-4428	Utilize for first 3 rotations	2	N	By Arrangement					
DENT 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
DENT 5025Q	Fundamentals of Dental Materials Science	Anil Ardesna ardeshap@sdm.rutgers.edu 973-972-1892	Open to Masters & PhD students. Enrollment limit 35. See below for the required/recommended text for the course.	2	N	Friday	1/15	4/15	10:00 AM	11:50 AM	Virtual

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DENT 5085Q	Dental Biochemistry	Michael A. Lea lea@njms.rutgers.edu 973-972-5345 (Please read syllabus thoughly Tuesday Class to be not be held during weeks 4/12 and 5/17)	Open to Masters & PhD students. This is a Dental School course. Limited intake of 15 students only. Special permission required from: Dr. Vincent K. Tsiagbe 973-972-2612 tsiagbvk@sdm.rutgers.edu.	4	N	Monday Tuesday	3/22	6/15	11:00 AM 10:00 AM	12:50 PM 12:50 PM	Virtual
DENT 5220Q	Methods in Microscopic Imaging	Kabilan Velliyagounder velliyka@sdm.rutgers.edu 973-972-5051	Open to Masters & PhD students. Enrollment Limit 12.	2	N	Wednesday	1/6	4/21	1:00 PM	2:50 PM	Virtual
DENT 5300Q	Oral Microbiology	Scott Kachlany kachlasc@sdm.rutgers.edu 973-972-3057	Enrollment limit of 75. Open to Masters & PhD Students. Previous course in Microbiology or good academic performance in first or second semester at SGS-N is an advantage. Advice from Dental Scholar Adviser or Course Director is recommended.	3	N	Monday Tuesday Friday	1/4	3/12	1:00 PM 1:00 PM 10:00 AM	2:50 PM 2:50 PM 11:50 AM	Virtual
DENT 5310Q	Oral Immunology	Vincent Tsiagbe tsiagbvk@sdm.rutgers.edu 973-972-2612 (Please read syllabus thoughly)	Enrollment limit of 70. Open to Masters & PhD Students. Previous course in Cell Biology or good academic performance in first or second semester at SGS-N is an advantage. Advice from Dental Scholar Adviser or Course Director is recommended.	3	N	Monday Tuesday Wednesday	3/22	4/20	2:00 PM 1:00 PM 9:00 AM	3:50 PM 2:50 PM 10:50 AM	virtual
DENT 5910Q	Oral Biology Research Seminar	Scott Kachlany kachlasc@sdm.rutgers.edu	Open to Masters & PhD students.	1	N	Friday	1/15	4/2	1:00 PM	1:50 PM	Virtual
GSND 5001Q	Responsible Conduct of Research	Carol Lutz lutzcs@njms.rutgers.edu	Mandatory for all PhD Students.	1	S/U	Monday	1/25	5/3	4:00 PM	4:50 PM	Virtual

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GSND 5008Q	QA/QI Research in Clinical Settings	Ping-Hsin Chen chenpi@njms.rutgers.edu 973-972-7351 Steven Keller sek1949@gmail.com 973-972-5036	Open to Masters & PhD students. Prior experience in chart reviews and statistical analysis are not assumed or required. Enrollment limit of 35. Immunizations according to Rutgers policy.	3	N	Thursday	1/7	4/15	12:00 PM	1:50 PM	Virtual
GSND 5120Q	<u>Clinical Implications of Human Poisoning</u>	Lewis Nelson ln196@njms.rutgers.edu Cynthia Santos cynthia.d.antos@rutgers.edu	Enrollment Limit 30	2	N	Monday & Thursday	6/7	7/30	2:00 PM	4:50 PM	Virtual
GSND 5300Q	Independent Study in Biomedical Sciences	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899		1 to 4	S/U	By Arrangement					
GSND 5320Q	Pharmacology & Pharmaceutical Marketing	David Segarnick, PhD segarnjd@njms.rutgers.edu	Open to Masters and PhD students. Principles of Pharmacology (PHPY N5020) Fundamentals of Pharmacology (PHPY N5021) or Principles of Toxicology (PHPY N5225) or permission by the instructor)	2	N	Wednesday	1/13	3/10	7:00 PM	8:20 PM	Virtual
GSND 5325Q	Introduction to Bio-Medical Ethics	Dr. Michael E. Shapiro mes362@njms.rutgers.edu 973-972-6639	Open to Masters and PhS students Enrollment Limit 30	2	N	Thursday	1/7	5/6	10:00 AM	11:50 AM	Virtual
MBGC 5000Q	MBGC Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
MBGC 5002Q	Introduction to Genomics, Proteomics, and Bioinformatics	Seema Husain husainse@njms.rutgers.edu Vivian Bellofatto bellofat@rutgers.edu	Open to Masters & PhD students. IBMS (GSND 5200Q) or Fundamentals A (GSND N500A) or permission of the course director.	2	N	Monday & Wednesday	2/24	4/15	10:00 AM	11:50 AM	Virtual
MBGC 5015Q	Cancer Biology: Extrinsic Factors in Cancer Progression	Dr. Robert Wieder wiederro@njms.rutgers.edu 973-972-4871	PhD Students only.	2	N	Tuesday & Friday	3/2	4/13	10:00 AM	11:50 AM	Virtual

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MBGC 5020Q	Cancer Biology: Intrinsic Cell Signaling and Cancer Development	Dr. Robert Wieder wiederro@njms.rutgers.edu 973-972-4871	PhD Students only.	2	N	Tuesday & Friday	1/5	2/23	10:00 AM	11:50 AM	Virtual
MBGC 5910Q	MBGC Seminar Series	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405 Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Required course for MBGC students. Must register in the Fall AND Spring.	0.5	S/U	By Arrangement					
MBGC 5930Q*	Lab Rotations in MBGC	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405 Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Use this course # for all subsequent rotations.	1 to 9	S/U	By Arrangement					
MBGC 593AQ, BQ, CQ*	Lab Rotations in MBGC	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Utilize for first 3 rotations.	2	N	By Arrangement					
MICR 5000Q	Microbiology Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
MICR 5231Q	Molecular Virology	Hua Zhu zhuhu@njms.rutgers.edu 973-972-6488	Open to Masters & PhD students. Fundamentals A (GSND N500A), or IBMS (GSND 5200Q), or MGM (GSND 5210Q), or permission of course director.	3	N	Monday, Tuesday & Thursday	6/1	7/1	5:30 PM	8:20 PM	Virtual
MICR N5233	Microbes and Infectious Disease	Ian Whitehead whiteip@njms.rutgers.edu 973-972-5215	Open to Masters & PhD students.	3	N	Tuesday	1/5	4/20	2:00 PM	4:50 PM	Virtual

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MPHD 5000Q	MD/PhD Thesis Research	Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to students in MD/PhD program.	4.5 PT 9 FT	S/U	By Arrangement					
MPHD 5930Q	MD/PhD Laboratory Research	Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to students in MD/PhD program.	1 to 9	S/U	By Arrangement					
MSBS 5120Q	Pharmaceutical Internships	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Open to Masters & PhD students. Permission of the course director.	2 to 3	S/U	By Arrangement					
MSBS 5125Q	Teacher Training Internship	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Open to Masters & PhD students. Permission of Dr. Lutz.	1 to 3	S/U	By Arrangement					
MSBS N5134	Hematopoietic Stem Cell Biology	Panela Rameshwar rameshwa@njms.rutgers.edu 973-972-0625	Open to Masters & PhD students. Background in cell biology and stem cell biology suggested.	2	N	Mondays	1/25	3/29	6:00 PM	7:50 PM	Virtual
MSBS N512Q	Topics in Cancer Stem Cell Biology	Panela Rameshwar rameshwa@njms.rutgers.edu 973-972-0625	Open to Masters & PhD students.	2	N	Tuesday & Thursday	5/25	7/1	6:00 PM	7:50 PM	Virtual
NEUR N5040	Neurobiology of Disease	Kevin Beck beckkd@njms.rutgers.edu 973-676-1000 x3682 Stella Elkabes elkabest@njms.rutgers.edu 973-972-5163	Open to Masters & PhD students. Fundamentals of Neuroscience (NEUR 5200Q) or permission of course director.	3	N	Thursday	1/7	4/15	5:30 PM	8:20 PM	Virtual
PATH 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
PATH 5130Q	DNA Repair in Health and Disease	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Class size limited to 18 students This course is for PhD and Masters students	1	N	Monday & Wednesday	1/20	2/24	4:00 PM	5:20 PM	Virtual
PHMS 5000Q	Interdisciplinary Ph.D. Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					

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PHPY 5005Q	Fundamentals of Human Physiology	Krista Blackwell blackwkn@njms.rutgers.edu 973-972-2863	Open to Masters & PhD students. PhD students must have permission to enroll in the course.	3	N	Monday	1/4	4/19	2:00 PM	4:50 PM	Virtual
PHPY 5085Q	Neuroendocrinology: Regulation of Physiological Processes	Vanessa Routh routhvh@njms.rutgers.edu 973-972-1489	Open to Masters & PhD students. IBMS (GSND 5200Q) or Fundamentals A (GSND N500A), or permission of course director. Physiological Principles (PHPY 5290) and/or Foundations in Neuroscience (NEUR 5110) suggested but not required. Enrollment limit 20	2	N	Tuesday & Thursday	2/23	4/15	4:00 PM	5:50 PM	virtual
PHPY N526Q	Principles of Toxicology II	Ramez Labib ramezlabib@yahoo.com Thomas Visalli tvis624@yahoo.com	Open to Masters & PhD students.	3	N	Tuesday	2/2	5/4	6:00 PM	8:50 PM	Virtual
TIII 5000Q	I3 Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
TIII 5022Q	Advanced Concepts in I3	George Yap yapgs@njms.rutgers.edu 973-972-5394 Padmini Salgame salgampa@njms.rutgers.edu 973-972-9490	Open to PhD students only. Classic & 21st Century Pathogens (TIII 5620Q) and Molecular & Cellular Immunology (PATH 5210Q).	4	N	Monday & Wednesday	2/25	6/14	1:00 PM	2:50 PM	Cancer Center Room F1196
TIII 5170Q	<u>Antigenic Variation and Drug Resistance in Infectious Diseases</u>	Katsunori Sugimoto sugimoka@rutgers.edu 973-972-4436		0.5	N	Wednesday	3/10	4/28	9:30 AM	10:30 AM	ICPH Building
TIII 5055Q sec. 003	<u>Critical Reading in Parasitology</u>	Purnima Bhanot bhanotpu@njms.rutgers.edu 973-972-3273		0.5	N	Tuesday	TBA	TBA	10:00 AM	11:30 AM	TBA
TIII 5055Q sec. 005	Critical Reading The Genomic Landscape of the Immune System	Jason Weinstein jw1194@njms.rutgers.edu Aimee Beaulieu ab1550@njms.rutgers.edu		0.5	N	Monday	5/10	6/28	3:00 PM	3:50 PM	TBA

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TIII 5930Q*	Lab Rotations in I3	David M. Lukac lukacdm@njms.rutgers.edu 973-972-4868 Matthew Neiditch neiditmb@njms.rutgers.edu 973-972-8981	Use this course # for all subsequent rotations.	1 to 9	S/U						By Arrangement
TIII 593AQ, BQ, CQ*	Lab Rotations in I3	David M. Lukac lukacdm@njms.rutgers.edu 973-972-4868 Matthew Neiditch neiditmb@njms.rutgers.edu 973-972-8981	Utilize for the first 3 rotations.	2	N						By Arrangement

*** First three rotations -- register for A, B, C respectively -- all subsequent rotations register for 1 to 10 cr S/U**

Last Update: 12/30/2020 MB

Required Texts

DENT 5300Q	Medical Microbiology 8th Edition. Authors: Patrick Murray Ken and Rosenthal Michael Pfaller (Paperback ISBN: 9780323299565)
GSND 5320Q	The Pharmacological Basis of Therapeutics (12th Edition)