New York State College of Veterinary Medicine

Administration

Edward C. Melby, Jr., dean
Charles G. Rickard, associate dean for academic programs
Lennart P. Krook, associate dean for postdoctoral education
Robert B. Brown, assistant dean for administration
Richard Rotowsky, assistant dean for hospital administration
John C. Semmler, assistant dean for facilities and research administration
Ann Marcham, assistant to the dean for instructional support and special projects
Edward J. Trehaway, assistant to the dean for public affairs
Neil L. Norcross, secretary of the college
Fred W. Quimby, director of laboratory animal medicine and service
Marcia James Sawyer, director of student affairs and admissions
Howard Moraff, director of computer resources
Alexander deLahunta, medical director of the Teaching Hospital
Charles E. Short, director of continuing education
Raymond H. Cypess, director of the Diagnostic Laboratory

The College

The College of Veterinary Medicine offers a professional program which requires four years of full-time academic and clinical study of the normal and abnormal structure and function of the animal body and the diagnosis, treatment, and prevention of animal disease. Graduates of the college receive the Doctor of Veterinary Medicine (D.V.M.) degree, which is recognized by licensing boards throughout the world. Graduates generally enter private practice or become engaged in one of the increasing number of other biomedical activities.

Admission requires a minimum of three years of college work, including specific prerequisite courses and experience. Exceptional cases, outstanding students who have completed all of the prerequisites in two years of undergraduate education may be considered for admission. Applications must be filed approximately one year before the proposed matriculation date. The competition for admission is keen since there are many more qualified applicants than can be admitted.

Graduate programs in veterinary research and postdoctoral training in clinical specialties are open to Doctors of Veterinary Medicine and some highly qualified holders of baccalaureate degrees, and lead to the degree of Master of Science, Doctor of Science in Veterinary Medicine, or Doctor of Philosophy. More detailed information is contained in the Announcement of the New York State College of Veterinary Medicine, which may be obtained by writing to the college.

Anatomy

500 Gross Anatomy Fall.
501 Gross Anatomy Spring.
502 Developmental Anatomy and Cytology Fall.

Clinical Sciences

503 Histology and Organology Spring.
504 Neuroanatomy Spring.
505 Applied Anatomy Fall.
506 Applied Anatomy Spring.
600 Special Projects in Anatomy Fall and spring.
601 Advanced Anatomy Fall and spring.
602 Advanced Clinical Neurology Spring.
700 Vertebrate Morphology Spring.

Avian and Aquatic Animal Medicine

555 Avian Diseases Spring.
672 Aquavet: Introduction to Aquatic Veterinary Medicine Fall.
673 Diseases of Aquarium Fish Spring.
770 Advanced Work in Avian Diseases Fall and spring.
771 Graduate Seminar in Diseases of Aquatic Animals Fall and spring.
772 Advanced Work in Aquatic Animal Diseases Fall and spring.

Clinical Sciences

475 Health and Diseases of Animals Spring.
546 Clinical Orientation Fall.
547 Practice Management Experience at the Small Animal Hospital Spring.
550 Applied Radiation Biology and Veterinary Nuclear Medicine Fall.
560 Clinical Methods Fall.
561 Obstetrics and Reproductive Diseases Spring.
562 Obstetrics and Reproductive Diseases Fall.
563 Large Animal Medicine Fall.
564 Large Animal Medicine Spring.
565 Large Animal Surgery Spring.
566 Radiology Spring.
567 Clinical Nutrition Spring.
568 Veterinary Medical Orientation Fall.
569 Veterinary Medical Orientation Spring.
570 Theriogenology Spring.
571 Clinical Pathology Fall.
572 Senior Seminar Fall and spring.
573 Large Animal Clinic Fall.
574 Large Animal Surgical Clinic Spring.
575 Ambulatory Clinic Fall.
576 Ambulatory Clinic Spring.
577 Diagnostic Services Fall.
578 Anesthesiology Clinic Spring.
579 General Medicine Spring.
580 Radiology Clinic Spring.
581 Nutrition Fall.
582 Large Animal Surgical Techniques Spring.
583 Small Animal Medicine and Surgery Fall.
584 Small Animal Medicine and Surgery Spring.
586 Small Animal Surgical Exercises Spring.
587 General Surgery and Anesthesiology Fall.
589 Small Animal Medical Clinic Fall.
590 Small Animal Medical Clinic Spring.
591 Small Animal Surgical Clinic Fall.
592 Small Animal Surgical Clinic Spring.
593 Ophthalmology Spring.
594 Large Animal Medical Clinic Spring.
596 Opportunities in Veterinary Medicine Spring.
598 Dermatology Clinic Spring.
599 Special Problems in Large Animal Medicine Fall and spring.
675 Special Problems in Large Animal Surgery Fall and spring.
676 Special Problems in Large Animal Surgery Fall and spring.
677 Special Problems in Large Animal Obesterics Fall and spring.
679 Dairy Herd Health Fall.
680 Poisonous Plants Fall.
681 Horse Health Management Spring.
684 Horse Lameness Spring.
686 Goats: Management and Diseases Spring.
687 Diseases of Swine Spring.
688 Special Problems in Small Animal Medicine Fall and spring.
689 Special Problems in Small Animal Surgery Fall and spring.
690 Veterinary Dermatology Fall and spring.
691 Advanced Large Animal Internal Medicine Problems Spring.
778 Gastroenterology Conference Fall and spring.
779 Veterinary Gastroenterology Spring.
781 Advanced Work Fall and spring.
782 Ophthalmology Spring.
### Microbiology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
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</thead>
<tbody>
<tr>
<td>315</td>
<td>Basic Immunology, Lectures</td>
<td>Fall.</td>
</tr>
<tr>
<td>316</td>
<td>Basic Immunology, Laboratory</td>
<td>Fall.</td>
</tr>
<tr>
<td>317</td>
<td>Pathogenic Microbiology</td>
<td>Spring.</td>
</tr>
<tr>
<td>515</td>
<td>Veterinary Immunology</td>
<td>Fall.</td>
</tr>
<tr>
<td>516</td>
<td>Veterinary Bacteriology and Mycology</td>
<td>Fall.</td>
</tr>
<tr>
<td>517</td>
<td>Veterinary Virology</td>
<td>Spring.</td>
</tr>
<tr>
<td>518</td>
<td>Infectious and Zoonotic Diseases</td>
<td>Spring.</td>
</tr>
<tr>
<td>605</td>
<td>Special Projects in Microbiology</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>606</td>
<td>Small Animal Infectious Diseases</td>
<td>Spring.</td>
</tr>
<tr>
<td>607</td>
<td>Virus Diseases of Cattle</td>
<td>Fall.</td>
</tr>
<tr>
<td>706</td>
<td>Advanced Immunology, Laboratory</td>
<td>Spring.</td>
</tr>
<tr>
<td>707</td>
<td>Advanced Work in Bacteriology, Virology, or Immunology</td>
<td>Fall and spring.</td>
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<tr>
<td>708</td>
<td>Animal Virology, Lectures and Laboratory Demonstrations</td>
<td>Spring.</td>
</tr>
<tr>
<td>709</td>
<td>Laboratory Methods of Diagnosis</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>710</td>
<td>Microbiology Seminar</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>711</td>
<td>Seminars on Current Topics in Immunology and Microbiology</td>
<td>Fall, spring, and summer</td>
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### Pathology

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Term</th>
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<tbody>
<tr>
<td>535</td>
<td>Veterinary Pathology I</td>
<td>Fall.</td>
</tr>
<tr>
<td>536</td>
<td>Veterinary Pathology II</td>
<td>Spring.</td>
</tr>
<tr>
<td>539</td>
<td>Introduction to Laboratory Animal Medicine</td>
<td>Fall.</td>
</tr>
<tr>
<td>540</td>
<td>Clinical Pathology</td>
<td>Spring.</td>
</tr>
<tr>
<td>541</td>
<td>Necropsy Clinic</td>
<td>Spring.</td>
</tr>
<tr>
<td>635</td>
<td>Special Problems in Pathology</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>636</td>
<td>Wildlife Pathology</td>
<td>Fall.</td>
</tr>
<tr>
<td>637</td>
<td>Postmortem Pathology</td>
<td>Fall.</td>
</tr>
<tr>
<td>638</td>
<td>Microscopy</td>
<td>Fall and summer.</td>
</tr>
<tr>
<td>640</td>
<td>Principles of Toxicological Pathology</td>
<td>Fall.</td>
</tr>
<tr>
<td>641</td>
<td>Clinical Immunology</td>
<td>Spring.</td>
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<tr>
<td>736</td>
<td>Pathology of Nutritional Diseases</td>
<td>Spring.</td>
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<tr>
<td>739</td>
<td>Advanced Work in Pathology</td>
<td>Fall and spring.</td>
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<tr>
<td>740</td>
<td>Reproductive Pathology</td>
<td>Spring.</td>
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<tr>
<td>749</td>
<td>Laboratory Animal Clinical Rotation</td>
<td>Fall and spring.</td>
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<tr>
<td>788</td>
<td>Seminar in Surgical Pathology</td>
<td>Fall and spring.</td>
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<tr>
<td>789</td>
<td>Seminar in Necropsy Pathology</td>
<td>Fall and spring.</td>
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<tr>
<td>790</td>
<td>Special Topics in Pathology</td>
<td>Fall.</td>
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<tr>
<td>792</td>
<td>Immunopathology</td>
<td>Spring.</td>
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<tr>
<td>795</td>
<td>Lectures in General Pathology</td>
<td>Fall.</td>
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### Pharmacology

<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
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<tbody>
<tr>
<td>528</td>
<td>Basic Pharmacology</td>
<td>Spring.</td>
</tr>
<tr>
<td>529</td>
<td>Clinical Pharmacology</td>
<td>Fall.</td>
</tr>
<tr>
<td>621</td>
<td>Toxicology</td>
<td>Spring.</td>
</tr>
<tr>
<td>622</td>
<td>Special Projects in Pharmacology</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>721</td>
<td>Research</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>724</td>
<td>Physiologic Disposition of Drugs and Poisons</td>
<td>Spring.</td>
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</tbody>
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### Physiology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
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<tbody>
<tr>
<td>530</td>
<td>The Vertebrates (Biological Sciences 274)</td>
<td>Spring.</td>
</tr>
<tr>
<td>531</td>
<td>Histology: The Biology of the Tissues (Biological Sciences 313)</td>
<td>Fall.</td>
</tr>
<tr>
<td>532</td>
<td>Ecological Animal Physiology, Lectures (Biological Sciences 217)</td>
<td>Fall.</td>
</tr>
<tr>
<td>533</td>
<td>Ecological Animal Physiology, Laboratory (Biological Sciences 217)</td>
<td>Fall.</td>
</tr>
<tr>
<td>346</td>
<td>Introductory Animal Physiology, Lectures (also Biological Sciences 311)</td>
<td>Fall.</td>
</tr>
<tr>
<td>347</td>
<td>Introductory Animal Physiology, Laboratory (also Biological Sciences 319)</td>
<td>Fall.</td>
</tr>
<tr>
<td>348</td>
<td>Biological Rhythms with a Period of One Day to One Year (Biological Sciences 351)</td>
<td>Fall.</td>
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<tr>
<td>349</td>
<td>Seminar in Anatomy and Physiology (Biological Sciences 410)</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>351</td>
<td>General Animal Physiology, Laboratory (Biological Sciences 416)</td>
<td>Spring.</td>
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<td>352</td>
<td>Comparative Physiological Reproductive of Vertebrates, Lectures (Biological Sciences 452 and Animal Sciences 452)</td>
<td>Spring.</td>
</tr>
<tr>
<td>353</td>
<td>Comparative Physiological Reproduction of Vertebrates, Laboratory (Biological Sciences 454 and Animal Sciences 454)</td>
<td>Spring.</td>
</tr>
<tr>
<td>354</td>
<td>Mammalian Physiology, Lectures (Biological Sciences 456)</td>
<td>Spring.</td>
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<tr>
<td>355</td>
<td>Mammalian Physiology, Laboratory (Biological Sciences 456)</td>
<td>Spring.</td>
</tr>
<tr>
<td>356</td>
<td>Undergraduate Research in Biology (Biological Sciences 499)</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>525</td>
<td>Cellular Mechanisms</td>
<td>Fall.</td>
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<tr>
<td>526</td>
<td>Physiology for Veterinary Students</td>
<td>Spring.</td>
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<tr>
<td>527</td>
<td>Physiology for Veterinary Students</td>
<td>Fall.</td>
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<tr>
<td>550</td>
<td>Applied Radiation Biology and Veterinary Nuclear Medicine</td>
<td>Fall.</td>
</tr>
<tr>
<td>600</td>
<td>Graduate Research in Animal Physiology and Anatomy (also Biological Sciences 719)</td>
<td>Fall and spring.</td>
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### Preventive Medicine

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
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<tbody>
<tr>
<td>330</td>
<td>The Population Biology of Health and Disease</td>
<td>Spring.</td>
</tr>
<tr>
<td>331</td>
<td>Medical Parasitology</td>
<td>Fall.</td>
</tr>
<tr>
<td>332</td>
<td>Systematics and Bionomics of Animal Parasites</td>
<td>Fall.</td>
</tr>
<tr>
<td>510</td>
<td>Animal Parasitology</td>
<td>Fall.</td>
</tr>
<tr>
<td>511</td>
<td>Diagnostic Parasitology</td>
<td>Fall.</td>
</tr>
<tr>
<td>520</td>
<td>Preventive Medicine in Animal Health Management</td>
<td>Spring.</td>
</tr>
<tr>
<td>525</td>
<td>Principles of Epidemiology</td>
<td>Spring.</td>
</tr>
<tr>
<td>568</td>
<td>Veterinary Medical Orientation</td>
<td>Fall.</td>
</tr>
<tr>
<td>660</td>
<td>Safety Evaluation in Public Health</td>
<td>Spring.</td>
</tr>
<tr>
<td>662</td>
<td>Advanced Epidemiology</td>
<td>Spring.</td>
</tr>
<tr>
<td>737</td>
<td>Advanced Work in Animal Parasitology</td>
<td>Fall and spring.</td>
</tr>
<tr>
<td>766</td>
<td>Graduate Research</td>
<td>Fall, spring, and summer.</td>
</tr>
<tr>
<td>768</td>
<td>Master's-Level Thesis</td>
<td>Fall, spring, and summer.</td>
</tr>
<tr>
<td>769</td>
<td>Doctoral-Level Thesis Research</td>
<td>Fall, spring, and summer.</td>
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</tbody>
</table>

### Faculty Roster

- Antczak, Douglas F., Ph.D., U. of Cambridge. Asst. Prof., Microbiology
- Appel, Max J., Ph.D., Cornell U., Prof., Microbiology
- Bapish, John, Ph.D., Cornell U. Asst. Prof., Preventive Medicine
- Bell, Robin G., Ph.D., Australian National U. Asst. Prof., Microbiology
- Bergman, Emmett N., Ph.D., U. of Minnesota. Prof., Physiology
Blue, Julia T., U. of Pennsylvania Asst. Prof., Clinical Sciences
Bolton, Gary R., D.V.M., Iowa State U. Assoc. Prof., Clinical Sciences
Brunner, Michael A., Ph.D., Cornell U. Asst. Prof., Preventive Medicine
Calnek, Bruce W., D.V.M., Cornell U. Prof., Avian and Aquatic Animal Medicine
Campbell, S. Gordon, Ph.D., Cornell U. Prof., Microbiology
Carlisle, James C., M.S.C., Stirling U. Asst. Prof., Avian and Aquatic Animal Medicine/Pathology
Carmichael, Leil E., Ph.D., Cornell U. John M. Olin Professor, Microbiology
Carter, Alison P. Ph.D. U. of Rochester. Asst. Prof., Pathology
Castleman, William L., Ph.D., Cornell U. Prof., Clinical Sciences
Carmichael, John E, Ph D., Cornell U. Prof., Anatomy
Fox, Francis H., D.V.M., Cornell U. Prof., Preventive Medicine/Preventive Medicine/Preventive Medicine
Erb, Hollis N., Ph.D., Cornell U. Prof., Preventive Medicine/Preventive Medicine/Preventive Medicine
Evans, Howard E., Ph.D., Cornell U. Prof., Aquatic Animal Medicine/Pathology
Fabricant, Julius, Ph.D., Cornell U. Prof., Avian and Aquatic Animal Medicine/Microbiology
Fox, Francis H., D.V.M., Cornell U. Prof., Clinical Sciences
Gasteiger, Edgar L., Jr., Ph.D., Cornell U. Prof., Physiology/(Section of Physiology)
Gleespie, James H., V.M.D., U. of Pennsylvania. Microbiology
Hackett, Richard P., Jr., D.V.M., Ohio State U. Asst. Prof., Clinical Sciences
Hann, Charles E., D.V.M., Cornell U. Assoc. Prof., Clinical Sciences
Hansel, William, Ph.D., Cornell U. Prof., Physiology/(Section of Physiology)/Animal Science
Harvey, H. Jay, D.V.M., Kansas State U. Asst. Prof., Clinical Sciences
Henning, John D., Ph.D., SUNY at Albany. Asst. Prof., Diagnostic Laboratory
Korn, Katherine A., Ph.D., U. of Pennsylvania. Asst. Prof., Clinical Sciences
Korn, Richard, Ph.D., U. of Tennessee. Prof., Physiology/(Section of Physiology)
Koffler, Robert H., Ph.D., Montana State U. Asst. Prof., Diagnostic Laboratory/Pathology
Krafft, Francis A., Ph.D., Cornell U. Professor, Clinical Sciences/Physiology
Kern, Thomas J., D.V.M., U. of Missouri. Asst. Prof., Clinical Sciences
King, John M., Ph.D., Cornell U. Prof., Clinical Sciences
Kirk, Robert W., D.V.M., Cornell U. Prof., Clinical Sciences
Koest, Lennart P., Ph.D., Royal Veterinary Coll. at Stockholm. Prof., Pathology
LaFaucon, Norman A., D.V.M., U. of California at Davis. Asst. Prof., Clinical Sciences
Lee, Kyu M., Ph.D., Cornell U. Prof., Microbiology
Leibovitz, Louis, V.M.D., U. of Pennsylvania. Assoc. Prof., Avian and Aquatic Animal Medicine/Microbiology
Lein, Donald H., Ph.D., U. of Connecticut. Assoc. Prof., Diagnostic Laboratory
Lengemann, Frederick W., Ph.D., U. of Wisconsin. Prof., Physiology/(Section of Physiology)
Lindmark, Donald G., Ph.D., U. of Rhode Island. Assoc. Prof., Preventive Medicine
Low, John E., D.V.M., Cornell U. Assoc. Prof., Clinical Sciences
Lust, George, Ph.D., Cornell U. Assoc. Prof., Microbiology
MacCoy, Douglas M., D.V.M., U. of Georgia. Asst. Prof., Clinical Sciences
McGregor, Douglas D., D.Phil., Oxford U. Prof., Microbiology
Manning, Thomas O., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
Mazin, George A., Ph.D., Cornell U. Assoc. Prof., Diagnostic Laboratory
Melby, Edward C., Jr., D.V.M., Cornell U. Prof., Clinical Sciences
Minor, Ronald R., Ph.D., U. of Pennsylvania. Assoc. Prof., Pathology
Noden, Drew M., Ph.D., Washington U. Assoc. Prof., Anatomy
Nordstrom, Neil L., Ph.D., U. of Massachusetts. Prof., Clinical Sciences/Microbiology
Noronha, Fernando M., D.V.M., U. of Lisbon. Assoc. Prof., Preventive Medicine/Preventive Medicine/Preventive Medicine
Owen, Fred B., Ph.D., U. of Pennsylvania. Assoc. Prof., Preclinical Sciences/Pathology
Pardi, Donald S., D.V.M., Ohio State U. Assoc. Prof., Clinical Sciences
Pearson, Erwin, D.V.M., Cornell U. Assoc. Prof., Clinical Sciences
Peckham, Malcolm C., D.V.M., Cornell U. Prof., Aquatic and Aquatic Animal Medicine
Poonenstiek, George C, V.M.D., U. of Pennsylvania. James Law Professor of Comparative Medicine, Microbiology
Postle, Donald S., D.V.M., Ohio State U. Assoc. Prof., Preventive Medicine/Preventive Medicine/Preventive Medicine
Quimby, Fred W., Ph.D., U. of Pennsylvania. Assoc. Prof., Laboratory Animal Sciences/Pathology
Rahman, John F., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
Reihl, William C., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
Reimers, Thomas J., Ph.D., U. of Illinois. Asst. Prof., Diagnostic Laboratory
Rendano, Victor T., V.M.O., U. of Pennsylvania. Assoc. Prof., Clinical Sciences
Rickard, Charles G., Ph.D., U. of Michigan. Prof., Pharmacology
Ries, Ronald C., D.V.M., U. of Minnesota. Assoc. Prof., Clinical Sciences
Sack, Wolfgang O., Ph.D., U. of Edinburgh. Prof., Anatomy
Schall, Karl A., Ph.D., Cornell U. Asst. Prof., Avian and Aquatic Animal Medicine
Schryver, Herbert F., Ph.D., U. of Pennsylvania. Assoc. Prof., Clinical Sciences/Pathology
Scott, Danny W., D.V.M., U. of California at Davis. Assoc. Prof., Clinical Sciences
Scott, Frederick, Ph.D., Cornell U. Prof., Microbiology
Sellers, Alvin F., Ph.D., U. of Minnesota. Prof., Physiology
Shemy, Ben E., Ph.D., U. of Wisconsin. Prof., Microbiology
Short, Charles E., D.V.M., Auburn U. Prof., Clinical Sciences
Slauen, David O., Ph.D., U. of California at Davis. Assoc. Prof., Pathology
Smith, Donald F., D.V.M., U. of Guelph. Asst. Prof., Clinical Sciences
Smith, Mary C., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
Sponenberg, Dan P., Ph.D., Cornell U. Assoc. Prof., Clinical Sciences
Summers, Brian A., B.V.Sc., U. of Melbourne (Australia). Assoc. Prof., Pathology
Tappel, Daniel N., Ph.D., Cornell U. Prof., Physiology/(Section of Physiology)
Tennent, Bud C., D.V.M., U. of California at Davis. Prof., Clinical Sciences
Thompson, John C., Jr., Ph.D., Cornell U. Assoc. Prof., Preventive Medicine
Timoney, John F. Ph.D., National U. of Ireland. Assoc. Prof., Microbiology
Timoney, Peter J., Trinity Coll., Dublin. Assoc. Prof., Diagnostic Laboratory
Trotter, Eric J., D.V.M., U. of Illinois. Assoc. Prof., Clinical Sciences
Wasserman, Robert H., Ph.D., Cornell U. Prof., Physiology/(Section of Physiology)
White, Karl K., III, D.V.M., Cornell U. Asst. Prof., Clinical Sciences
White, Maurice E., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
Whitlock, John H., D.V.M., Iowa State U. Prof., Preventive Medicine
Winter, Alexander J., Ph.D., U. of Wisconsin. Prof., Clinical Sciences/Microbiology
Woodson, John F, Ph.D., Cornell U Prof., Physiology
Zimmer, James, Ph.D., Cornell U. Asst. Prof., Clinical Sciences