



Mark S. Parcels, Ph.D.
Professor, Molecular Virology
Dept. of Animal and Food Sciences
Dept. of Biological Sciences
University of Delaware
052 Townsend Hall
531 South College Ave
Newark, DE 19716
Phone: (302) 831-0114
Email: Parcells@UDel.edu



Area of Expertise:

- Molecular virology
- Tumor viruses
- Viral diseases
- Immunology and vaccine development

Focus of Research:

- Molecular biology of Marek's Disease Virus (MDV)
- Understanding basic oncogenic mechanisms of MDV
- Understanding immunity to MDV-lymphomagenesis
- Development of novel vaccine and immune modulators for poultry

Courses Taught:

- ANFS 265, Careers in Animal and Food Sciences
- ANFS 332, Introduction to Animal Diseases
- ANFS 435/635, Animal Virology
- ANFS 671, Paradigms in Cell Signaling
- UNIV 101, First Year Experience

Current Funded Projects (Source):

- Recombinant vaccine development and testing (CEVA, Intervet-MSD)
- Undergraduate research experience (NIFA)
- Mechanism of Action (MOA) of immune modulators (Bayer Animal Health)
- Role of exosomes in MDV immunosuppression and vaccine responses (CANR)