ROBERT L. TAYLOR, JR., curriclulum vitae

EDUCATION

Ph. D. *Mississippi State University* (Animal Physiology-Immunology), 1981
Dissertation: Pituitary and testicular activity in male New Hampshire chickens following embryonic exposure to testosterone propionate
Research Assistant, Dept. of Poultry Science (Animal Physiology), 1978 - 1982

M. S. *Auburn University* (Microbiology), 1978
Thesis: Antibiotic resistance in *Chromobacterium violaceum*
Teaching-Research Assistant, Dept. of Botany and Microbiology, 1976 – 1977

B. A. *Carson-Newman College*, 1975

PROFESSIONAL EXPERIENCE

West Virginia University, Morgantown, WV
Professor, Division of Animal and Nutritional Sciences, 2018 – present
Director and Professor, Division of Animal and Nutritional Sciences, 2014 – 2018
Co-Director and Professor, School of Agriculture and Food, 2014 – 2018
Professor, Interdisciplinary Program in Reproductive Physiology, 2014 – present
Adjunct Professor, Dept. of Microbiology, Immunology and Cell Biology, 2014 – present

University of New Hampshire, Durham, NH
Professor, Dept. of Biological Sciences, Genetics Program, 2008 – 2014
Professor, Dept. of Animal and Nutritional Sciences, Genetics Program, 1996 – 2008
Associate Professor, Dept. of Animal and Nutritional Sciences, Genetics Program, 1990 – 1996
Assistant Professor, Dept. of Animal and Nutritional Sciences, Genetics Program, 1984 – 1990

Medical College of Virginia, Richmond, VA
Post-doctoral Fellow, Dept. of Pathology, 1982 - 1984

GRADUATE FACULTY APPOINTMENTS

North Carolina State University Raleigh, NC
Graduate Faculty Scholar, Dept. of Poultry Science, 2013 – present

Mississippi State University, Starkville, MS
Graduate Faculty Committee Participant, Dept. of Basic Sciences (CVM), 2013 – present

Northern Illinois University DeKalb, IL
Graduate Faculty Scholar, Dept. of Biological Sciences, 2013 – present

University of Arkansas Fayetteville, AR
Adjunct Professor, Center of Excellence for Poultry Science, 2004 - 2008

HONORS

West Virginia University Gamma Sigma Delta Senior Faculty Award of Merit 2017
Poultry Science Association - Committee on Fellows 2016-2021
Poultry Science – journal Editor-in-Chief 2016-present
World's Poultry Science Association – Nominating Committee 2016
Fellow, Poultry Science Association 2015
West Virginia Poultry Association – Board of Directors 2014-present
President, World's Poultry Science Association – USA Board of Directors 2013-2015
Graduate Faculty Scholar, N. C. State University, Raleigh, NC, 2013 – present
Graduate Faculty Committee Member, Mississippi State University, Starkville, MS 2013–present
Graduate Faculty Scholar, Northern Illinois University DeKalb, IL, 2013–present
Chair, Poultry Science Association – Publication Strategic Plan committee 2012-2016
World's Poultry Science Association – USA Board of Directors 2011-2015, 2015-2019
Poultry Science – journal Section Editor- Immunology, Health and Disease 2010-2016
Madison Who's Who Among Executives and Professionals Member of the Year 2009
Poultry Science Association - Invited Speaker, Centennial Symposium 2008
Madison Who's Who Among Executives and Professionals Member of the Year 2008
Windsor Who's Who 2008
Madison Who's Who Among Executives and Professionals 2007
Who's Who Among American Teachers and Educators 2006-2007
Poultry Science – journal Associate Editor- Immunology, Health and Disease 2005-2010
National Register Who's Who Among Executives and Professionals 2005
Adjunct Professor, University of Arkansas Center of Excellence for Poultry Science 2004-2008
ESCOP/ACOP National Leadership Development Program Class 14 2004-2005
Poultry Science Association - Ancillary Scientists Committee 2004-2006
Chair, Poultry Species Committee National Animal Germplasm Program 2004-2008
National Animal Germplasm Program Species Coordinating Committee 2004-2008
Co-Chair, Poultry Science Association - Ancillary Scientists Immunology Symposium 2003
New Hampshire Agricultural Experiment Station Project Review Committee 2000-2005
Co-Chair - Avian Genetic Resources Task Force 1995
Faculty Fellow - Graduate School 1993-1994
Poultry Science Association - Ad hoc Committee on *Poultry Science* journal 1990-1992
Uinversity of New Hampshire Summer Faculty Fellowship 1990
Alpha Zeta 1988-present
Poultry Science – journal Associate Editor-Immunology 1988-1995
Sigma Xi Chapter Secretary 1988-1990
St. Edward's School, Richmond, VA - Co-Advisor Division Science Fair Winner 1984
Southeastern Immunology Conference - Board of Directors 1981-1982
Gamma Sigma Delta 1981
Sigma Xi - Associate Member 1979; Member 1983
Editor, *THE EMBRYO* - Mississippi State University Poultry Science Club publication 1979
American Society of Zoologists - Best Contributed Paper 1978
Virginia Chapter of 4-H All Stars - Life Member 1969

ADMINISTRATIVE EXPERIENCE

National and Regional

Leader Multistate Project "Genetic Bases for Resistance and Immunity to Avian Diseases" 1984-present
Administrative Advisor Technical Committee 2017-present
Secretary Technical Committee 1986-1987, 2009-2010
Chair Technical Committee 1987-1988, 2006-2007, 2010-2011
Chair four consecutive project revision committees 1992, 1997, 2002, 2007
Host Technical Committee Annual Meeting 1987, 1998

Poultry Science Association
Committee on Fellows 2016-2021
Chair Early Achievement Awards Committee 2012-2013
Developed standardized award criteria
American Poultry Historical Society Hall of Fame committee 2009-2011
Early Achievement Award committee 2009-2013
Ancillary Scientists Symposium Committee 2004-2006
Recommended procedural changes for symposium to improve operation
Ad hoc Committee on Poultry Genetic Stocks 2004-2005
Co-Chair Ancillary Scientists Immunology Symposium 2003
General Program Chair Annual Meeting 1996
Recommended procedural changes to improve scientific program
Graduate Student Research Manuscript Award Committee 1989-1992
Research Committee 1985-1988

Poultry Science journal
Journal Planning Committee 2016-present
Editor-in-Chief *Poultry Science* 2016-present
Evaluated proeedures for peer review, manuscript processing and publication
Chair Publication Strategic Plan Committee 2012-2016
Recommended operational changes to maintain publication viability
Chair Open Access Committee 2010-2011
Section Editor-Immunology, Health and Disease *Poultry Science* 2010-present
Associate Editor-Immunology, Health and Disease *Poultry Science* 2005-2010
Ad hoc Committee on *Poultry Science* journal 1990-1992
Associate Editor-Immunology *Poultry Science* 1988-1995

Co-Chair Avian Genetic Resources Task Force, 1995-1999

National Animal Germplasm Program (NAGP)
Chair , Poultry Species Committee 2004-2008
Developed committee operational priorities
Member Poultry Species Committee - 2000-present
Member Species Coordinating Committee 2004-2008

Participant - National Association of State Universities and Land-Grant Colleges (NASULGC) Leadership Conference 2002

ESCOP/ACOP National Leadership Development Program Class 14 2004-2005

West Virginia University (2014-present)

Office of Lab Animal Resources (OLAR) = search committee for OLAR Director
Reviewed applications, interviewed and evaluated candidates

University of New Hampshire (1984-2014)

University Genetics Program 1986-2014
Interdepartmental Program for genetics combining expertise from 5 departments
Genetics Executive Committee 1988-1991, 1993, 1995, 1997-2000

Biology Course Executive Committee 1986-1988
Developed new General Biology course for the University
Annual enrollment 500 students
Planned General Biology curriculum
Reviewed General Biology curriculum to improve student learning

Commission on Research and Graduate Education 1990-1991
Reviewed university policies and procedures related to research
Recommended a new indirect cost distribution formula

Commission on Graduate Education 1991-1993
Reviewed university policies and procedures related to graduate education
Recommended distinct, cooperating offices for Graduate Dean and Research Vice President

Faculty Fellow - Graduate School 1993-1994
Surveyed new University of New Hampshire graduate students about recruitment and retention
Participated in other Graduate School operations

New Hampshire Agricultural Experiment Station Project Review Committee 2000-2005
Evaluated NH AES project proposals for competitive funding
Worked to enhance experiment station projects (number and quality)

Institutional Animal Care and Use Committee (IACUC) 2001-2010
Reviewed research animal care protocols
Evaluated policies and procedures for animal maintenance and experimentation
Worked with investigators to insure regulatory compliance

New Hampshire Agricultural Experiment Station (AES) Sabbatical Project – Spring 2004
Interacted with NH AES project leaders
Prepared NH AES Annual Report of Accomplishments
Member, NH AES Research Advisory Committee which advised Dean and Director

University of New Hampshire Faculty Senate 2010-2012
Financial Affairs Committee
Reviewed University financial operations data
Evaluated financial aspects of proposed two college merger
Committee on Organization of Other Entities
Reviewed University financial data on colleges, athletics, other operations

West Virginia University, Division of Animal and Nutritional Sciences (2014-present)

Division Director 2014-2018

Co-Director School of Agriculture and Food 2014-present

WVU Farm Advisory Council 2014-present
Advisory Committee to the Dean for all University farm operations

Review of WVU Reymann Memorial Farm, Wardensville, WV 2016
Coorodinated extrenal review of activities and facilities at Reymann Memorial Farm

Division Faculty Evaluation
Developed faculty performance evalution guidelines
Instituted policy limiting full professor promotion evaluations to other full professors

University of New Hampshire, Dept. of Biological Sciences (2008-2014)

Animal Science Curriculum Committee 2010-2014
Developed new Animal Science curriculum to meet student needs

Advisory Committee 2009-2011
Advised Department Chair on curriculum, research and outreach

University of New Hampshire, Dept. of Animal and Nutritional Sciences (1984-2008)

Director University of New Hampshire Poultry Research Farm 1985-2007
Responsible for all activities including farm budget, personnel review, facilities and research

Graduate Program Coordinator and Chair Graduate Education Committee 1990-2001
Overall responsibility for Graduate Program
Developed first Department Graduate Student Handbook
Coordinated applications review, examine computer literacy, assign assistantships
Evaluated graduate student performance as teaching assistants

Program Representatives Committee 1996-2000
Advise Department Chair on curriculum, research and outreach

Joint Department Merger Committee for Medical Laboratory Sciences 2000
Investigated mechanisms and benefits for integration of Medical Laboratory Sciences program

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Association of Immunologists
American Poultry Historical Society
Gamma Sigma Delta
Poultry Science Association
Society for Experimental Biology and Medicine
West Virginia Poultry Association
World's Poultry Science Association

RESEARCH INTERESTS

Immunogenetics of responses to oncogene tumors; MHC control of immune responses including resistance to pathogens such as Marek's disease virus , *Staphylococcus aureus*, and *Eimeria tenella,* gene expression in immune responses and immune cell development, avian alloantigens

GRANTS, West Virginia University (2014-present)

USDA NRSP-8 Coordinator funds "Typing single nucleotide polymorphisms to map and identify chicken blood group alloantigens" Co-investigator. $14,400 2017

USDA NRSP-8 Coordinator funds "Mapping and identifying chicken blood group alloantigens" Co-investigator. $5,000 2016

Briles Family Foundation "Elwood and Ruth Briles Avian Alloantigen Support Fund" Principal investigator. $25,000 2016-present

GRANTS, University of New Hampshire (1984-2014)

USDA and New Hampshire Agricultural Experiment Station H614 "Genetic Bases for Resistance and Immunity to Avian Diseases" Principal investigator. $24,000 2013-2016

University of New Hampshire Faculty Development Grant "Applying genetics to improve animal health" Principal investigator. $1000 2012-2013

USDA and Mississippi Agricultural and Forestry Experiment Station (MAFES) "Characterization of peripheral B-cells in the chicken embryo" Co-investigator. $10,000 2011-2013

University of New Hampshire Karabelas COLSA Faculty Research Development Grant "Comparative gene expression in chicken embryonic immune tissue from high and low antibody response lines" Principal investigator. $5,000 2009-2010

USDA and New Hampshire Agricultural Experiment Station H459 "Genetic Bases for Resistance and Immunity to Avian Diseases" Principal investigator. $50,000 2008-2013

University of New Hampshire Faculty Development Grant "New opportunities in chicken genome research " Principal investigator. $750 2006

USDA National Research Initiative Competitive Grants Program "Fine mapping Marek's disease resistance genes within the chicken *B* complex." (supplement) Co-investigator. $10,000 2006-2007

National Cancer Institute "MHC Loci in the control of Marek's lymphoma." Co-investigator. $200,000 2004-2006

USDA National Research Initiative Competitive Grants Program "Fine mapping Marek's disease resistance genes within the chicken *B* complex." Co-investigator. $239,000 2003-2005

USDA and New Hampshire Agricultural Experiment Station H459 "Genetic Bases for Resistance and Immunity to Avian Diseases" Principal investigator. $50,000 2003-2008

USDA and New Hampshire Agricultural Experiment Station A353 "Genetic control of oncogene tumor growth." Principal investigator. $30,000 1999-2002

Hubbard-ISA, Walpole, NH Research Grant "Relationship between livability and major histocompatibility complex haplotypes in Hubbard breeding stock" Principal investigator. $10,000 2002-2003

USDA National Research Initiative Competitive Grants Program "Marek's disease virus genes associated with cell-mediated immunity" Co-investigator. $200,000 2001-2003

USDA National Research Initiative Competitive Grants Program "*Rfp-Y* genes and the response of chickens to infectious disease." Co-investigator. $200,000 1998-2001

USDA and New Hampshire Agricultural Experiment Station A353 "Genetic Control of *src* Tumor Growth." Principal investigator. $30,000 1999-2002

USDA and New Hampshire Agricultural Experiment Station H303 "Genetic Bases for Resistance and Immunity to Avian Diseases" Principal investigator. $60,000 1998-2003

American Cancer Society Institutional Research Grant (University of California-Davis) "Role of ribosomal DNA genotype in tumorigenesis and metastasis." Co-investigator. $15,000 1996-1997

National Science Foundation "The biological significance of cellular alloantigen systems in captive avian populations." Co-investigator. $450,000 1996-1999

USDA and New Hampshire Agricultural Experiment Station A353 "Genetic control of *src* tumor growth." Principal investigator. $30,000 1996-1999

USDA National Research Initiative Competitive Grants Program "The *Rfp*-Y system in resistance of chickens to infectious disease." Co-investigator. $200,000 1994-1996

USDA and New Hampshire Agricultural Experiment Station H303 "Genetic bases for resistance and immunity to avian diseases." Principal investigator. $60,000 1993 - 1998

USDA and New Hampshire Agricultural Experiment Station A353 " Genetic complementation in tumor regression." Principal investigator. $30,000 1993-1996

SmithKline Beecham Animal Health BioResearch, Inc. "Genetics of the Immune Response to Coccidia Antigens *In Vivo*." Principal investigator. $5,000 1991

IGI, Inc. (Vineland Laboratories) "Efficacy of Infectious Bursal Disease Vaccine *In-Vivo*." Principal investigator. $2,000 1991

University of New Hampshire Faculty Development Grant "New Methods for Assessing Chicken Immune Function." Principal investigator. $450 1991

USDA and New Hampshire Agricultural Experiment Station A353 "Genetic Complementation in Tumor Regression." Principal investigator. $30,000 1990-1993

Integrated Genetics - Genetrac Division "Comparison of a DNA Probe vs. Conventional Bacteriology for Identification of Poultry Salmonella" Framingham State College and University of New Hampshire Co-investigator. $2,000 1988

USDA and New Hampshire Agricultural Experiment Station H303 "Genetic Bases for Resistance and Immunity to Avian Diseases" Principal investigator. $45,000 1988 - 1993

University of New Hampshire Biotechnology Funds "Humoral and Cellular Responses to Recombinant Coccidia Antigens" Co-investigator. $2,000 1987

University of New Hampshire Faculty Development Grant "Production of Antisera to Major Histocompatibility (*B*) Complex Antigens" Principal investigator. $450 1987

USDA Competitive Animal Health Grant "Humoral and Cellular Responses to Recombinant Coccidia Antigens" Co- investigator. $74,800 1987 - 1988

Hoffman-LaRoche, Inc. "Evaluation of Immune Responses to Recombinant Coccidia Antigens" Co-investigator. $3,500 1986

USDA and New Hampshire Agricultural Experiment Station H303 "Genetic Bases for Resistance to Avian Diseases" Principal investigator. $60,000 1985 - 1988

Hoffman-LaRoche, Inc. "Evaluation of Immune Response to Coccidia Antigens *In Vivo*" Co-investigator. $23,500 1984

University of New Hampshire Research Initiation Fund Principal investigator. $5,000 1984

INVITED LECTURES, West Virginia University (2014-present)

The National Institute for Occupational Safety and Health (NIOSH), Morgantown, WV 2018
National Institute of Food and Agriculture, NIFA Listens Forum, Greenbelt, MD 2017
Virginia Polytechnic Institute, Department of Animal & Poultry Science, Blacksburg, VA 2017
Atlantic Veterinary College, Department of Pathology & Microbiology, Charlottetown, PEI 2017
Poultry Breeder's Roundtable, Program Speaker, St. Louis, MO, 2017
University of Wisconsin, Department of Animal Science, Madison, WI 2016
AMENA, Asociación Mexicana de Especialistas en Nutrición Animal, Puerta Vallarta, Mexico 2015
University of California, Davis, Department of Animal Science, Davis, CA, 2015
West Virginia University, Animal & Nutritional Sciences Faculty Think Tank , Morgantown, WV 2014
West Virginia University, Dept. of Microbiology, Immunology & Cell Biology, Morgantown, WV 2014
Northern Illinois University, Department of Biological Sciences, DeKalb, Il 2014
West Virginia University, Division of Animal & Nutritional Sciences, Morgantown, WV 2014

INVITED LECTURES, University of New Hampshire (1984-2014)

North Carolina State University, Department of Poultry Science, Raleigh, NC, 2013
West Virginia University, Davis-Michael Lecture, Division of Animal & Nutritional Sciences, Morgantown, WV 2012
Mississippi State University, Department of Poultry Science, Starkville, MS 2011
Wageningen Agricultural University, Adaptation Physiology Group, Wageningen, Netherlands 2010
Poultry Science Association, Genetics Session, Raleigh, NC, 2009
USDA-CSREES, Competitive Programs Unit, Washington, DC, 2009
Tennessee Technological University, Divison of Agriculture, Cookeville, TN 2009
Poultry Science Association, Centennial Symposium, Niagara Falls, ON 2008
University of Vermont, Department of Animal Science, Burlington, VT 2008
University of New Hampshire, Genetics Seminar, Durham, NH, 2007
University of Wisconsin, Research Animal Resource Center, Madison, WI 2007
Texas A&M University, Department of Poultry Science, College Station, TX 2007
North Carolina State University, Department of Poultry Science, Raleigh, NC, 2007
University of Maryland, Department of Animal & Avian Sciences, College Park, MD 2007
University of Florida, Department of Animal Sciences, Gainesville, FL 2006
Clemson University, Department of Animal & Veterinary Sciences, Clemson, SC, 2006
Poultry Science Association, Ancillary Scientists Symposium, Madison, WI 2003
University of Arkansas, College of Agriculture, Food & Life Sciences, Fayetteville, AR, 2002
North Carolina State University, Department of Poultry Science, Raleigh, NC, 2001
Hubbard-ISA, Inc., Immunogenetics Seminar, Walpole, NH, 2001
University of Arkansas, Department of Poultry Science, Fayetteville, AR, 1999
New England Turkey Growers Conference, Program Speaker, Sturbridge, MA, 1998
University of New Hampshire, Department of Animal & Nutritional Sciences, Durham, NH, 1995
North Carolina State University, Department of Poultry Science, Raleigh, NC, 1994
University of Massachusetts, Department of Veterinary & Animal Sciences, Amherst, MA, 1992
Embrex, Inc., Immunology Seminar, Raleigh, NC, 1992
Dartmouth Medical School, Department of Physiology, Hanover, NH, 1991
University of New Hampshire, Genetics Seminar, Durham, NH, 1991
University of New Hampshire, Department of Animal & Nutritional Sciences, Durham, NH, 1991
University of New Hampshire, Biotechnology Seminar for High School Teachers, Durham, NH, 1991
Transgenic Sciences, Inc., Immunology Seminar, Worcester, MA, 1988
National Breeder's Roundtable, Program Speaker, St. Louis, MO, 1988
Framingham State College, Department of Biology, Framingham, MA, 1988
Central Michigan University, Department of Biology, Mt. Pleasant, MI, 1987
University of New Hampshire, Genetics Seminar, Durham, NH, 1987
Hoffman-LaRoche, Inc., Immunology Seminar, Nutley, NJ, 1986
University of New Hampshire, Genetics Seminar, Durham, NH, 1986
University of New Hampshire, Department of Animal & Nutritional Sciences, Durham, NH, 1986
Cornell University, Department of Poultry & Avian Sciences, Ithaca, NY, 1985
University of New Hampshire, Department of Microbiology, Durham, NH, 1984
University of New Hampshire, Department of Animal & Nutritional Sciences, Durham, NH, 1984
USDA Poultry Research Lab, Immunology Seminar, East Lansing, MI, 1984
Los Alamos National Lab, Department of Pathology, Los Alamos, NM, 1984
Medical College of Virginia, Allergy/Immunology Seminar, Richmond, VA, 1983
Medical College of Virginia, Department of Pathology, Richmond, VA, 1982

TEACHING EXPERIENCE

ANSC 612	Genetics of Domestic Animals (fall) 2005-2013
ANSC 822	Immunogenetics (spring) 1998
ANSC 900	Topics in Animal and Nutritional Sciences 1998
ANSC 913	Contemporary Topics in Immunobiology (alternate fall)
ANSC 911	Lipids and Biological Membranes 1992 (co-taught)
ANSC 998	Animal Science Seminar 1987-1989
BIOL 411	Principles of Biology I 1987-1995
GEN 706	Human Genetics 1995 (co-taught), 1997, 1999-2014
GEN 998	Genetics Seminar 1989-1990, 1992, 2000 fall
INCO 790	Independent Study: Lab techniques (honors) 2011
MICR 705	Immunology 1996, 2002
ZOOL 401	Human Biology 2011-2014

Guest Lectures

ANSC 401	Animals and Society 1985-1994, 1996-2012
ANSC 556	Poultry Management 1986
ANSC 610	Feeds and Feeding 1985-1988
ANSC 702	Experimental Endocrinology 1987
ANSC 724	Reproductive Management and Artificial Insemination 1989-2007
ANSC 798	Contemporary Topics in Biomedical Science and Nutrition 1986
ANSC 901	Introduction to Research 1994-2012
ANSC ---	Science Short Course for High School Students 1985, 1986
BIOL 604	Principles of Genetics 1988
GEN 706	Genetics Laboratory 1985-1987
INCO 404	Biotechnology: Potentials and Hazards (honors) 1986-1988
MICR 806	Advanced Immunology 1989
PBIO 876	Radiation Biology 1991
UNH	Biotechnology Workshop for High School Teachers 1991
IMM 840	Immunogenetics North Carolina State University 1994
IMM 757	Avian Immunology North Carolina State University 2001

GRADUATE COMMITTEES, West Virginia University

M. S. Victoria Polentz Ayer (**co-advisor**) presently enrolled
Elizabeth Sheperd presently enrolled
Marina Berry (non-thesis) 2018
Danielle Fink (non-thesis) 2018
Molly Legg (non-thesis) 2018
Frances A. Reed (non-thesis) 2018
Finley Wiles (non-thesis) 2018
Kolby Foltz 2016
Michelle McGinley 2016

Ph.D. Shelly Nolin (North Carolina State University) presently enrolled
Nikhil Nuthalapati (Mississippi State University) presently enrolled
John Boney 2017
Brian G. Glover 2017
Renee Kopulos (Northern Illinois University) 2016
Jesica Jacobs 2016
Ashley M. Evans 2015

GRADUATE STUDENTS GUIDED, University of New Hampshire

M. S. Nicole Wilkinson 2006
Elizabeth S. Schulten 2003, Graduate Summer Fellowship Recipient
PSA Graduate Student Certificate of Excellence
Christina Mesrobian (Genetics) 2002, Graduate Summer Fellowship Recipient
Christine V. Hoogasian 2001
Heather L. Senseney 1999
Jordan Karagiannides (Genetics) 1997
Lynda A. Caron 1996
Cassandra L. Ash 1995, Graduate Summer Fellowship Recipient
Keith T. LePage (Genetics) 1994
Jacqueline K. Cieszynski 1994
Christine J. Bombara 1990
Nicholas W. Lukacs 1988, University of New Nampshire CURF Grant Recipient

Ph.D. Zdravka O. Medarova (Genetics) 2002, PSA Graduate Student Certificate of Excellence
Keith T. LePage (Genetics) 1998, PSA Graduate Student Certificate of Excellence

GRADUATE COMMITTEES, University of New Hampshire

M. S. Suzanne Pearlman 2011
Angelic DeButts (Natural Resources) 2010
Patrick Tate (Natural Resources) 2007
Martha L. Gilman 2005
Andrew Timmins (Natural Resources) 2003
Janet L. Anderson 2003
Jason Hamel (Natural Resources) 2002
Roger Coup (Natural Resources) 1996
Scott Brodeur (Biochemistry) 1992
Melissa M. Chechowitz 1990
Kirsten L. Quist 1990
Robert A. Clare 1985

Ph.D. Janet Anderson 2007
Mark Chapman (University of Arkansas) 2007
Yong Li Bai (Biochemistry and Molecular Biology) 2000
Robert A. Clare 1988
Shari J. Litch 1988

UNDERGRADUATE RESEARCH GUIDED, University of New Hampshire

Tyler Burks - Research Experience and Apprenticeship Program (REAP) 2009
Undergraduate Research Experience 2009
Undergraduate Research Opportunities Program 2010
Independent Research 2010
International Research Opportunities Program 2011
Senior Thesis 2012
Meghen Schulte - Undergraduate Research Experience 2007
Andrea Plante - Undergraduate Research Experience 2006
Heather Farrell - Undergraduate Research Experience 2005
Sarah Greeley - Undergraduate Research Experience 2003-2004
Hubbard Undergraduate Research Fellowship 2004
Michelle Rodrigue - Undergraduate Research Experience 2002-2003
Marieke Martin - Undergraduate Research Experience 2002
Tanya Tupick - Summer Undergraduate Research Fellowship 2000
Hubbard Undergraduate Research Fellowship 2000
Biology Honors Thesis 2000
Undergraduate Research Opportunities Program 2001
Jannine Strempel - Undergraduate Research 1998
Bryan Wentzel - Hubbard Undergraduate Research Fellowship 1995
Michael Dix - Hubbard Undergraduate Research Fellowship 1991
Eugene White - Undergraduate Research Opportunities Program 1990
Pamela Ray - Hubbard Undergraduate Research Fellowship 1989
Sue Vincent - Hubbard Undergraduate Research Fellowship 1986

UNDERGRADUATE STUDENTS ASSISTED, University of New Hampshire

Maura Keeley – Senior Thesis (Biochemistry) 2009
Chris Connors – Senior Thesis (Biochemistry) 2008
Undergraduate Research 2008
Gwen Stewart - Undergraduate Research Opportunities Program 2006

UNIVERSITY SERVICE

National and Regional

Leader Multistate Project "Genetic Bases for Resistance and Immunity to Avian Diseases"
Project Technical Committee (current NE-1334) 1984-present
Project numbers NE-60, NE-1016, NE-1034, NE-1334
Administrative Advisor Technical Committee 2017-present
Chair NE-1016 Project Revision Committee 2006-2007
Chair NE-60 Project Revision Committee 2001-2002
Chair NE-60 Project Revision Committee 1996-1997
Chair National Research Support Project Committee 1991-1992
Chair NE-60 Project Revision Committee 1991-1992
Chair NE-60, NE-1016 Technical Committee 1987-1988, 2006-2007, 2010-2011
Host NE-60 Technical Committee Annual Meeting 1987, 1998
Member NE-60 Project Revision Committee 1986-1987
Secretary NE-60 Technical Committee 1986-1987, 2009-2010

Poultry Science Association
Alltech Student Research Manuscirpt Award Committee 2018
Committee on Fellows 2016-2021
Fellow 2015
Chair Early Achievement Awards committee 2011-2012
American Poultry Historical Society Hall of Fame committee 2009-2011
Early Achievement Award committee 2009-2013
Ancillary Scientists Committee 2004-2006
Ad hoc Committee on Poultry Genetic Stocks 2004-2005
Graduate Student Research Manuscript Award Committee 1989-1992
Research Committee 1985-1988

Poultry Science Association Annual Meeting

Presenter	Fellow Awards	San Antonio, TX 2018
Presenter	Fellow Awards	Orlando, FL 2017
Co-Chair	Publications Workshop	Orlando, FL 2017
Co-Chair	Landmark Contributions Symposium	Niagara Falls, Ontario 2008
Chair	Joint Program Committee-Immunology	San Antonio, TX 2007
Chair	Ancillary Scientists Symposium Session	Edmonton, Alberta, 2006
Chair	Program Committee-Immunology	St. Louis, MO 2004
Co-Chair	Ancillary Scientists Symposium	Madison, WI 2003
Chair	Program Committee	Louisville, KY 1996
Chair	Immunology Session	Edmonton, Alberta 1995
Co-Chair	Avian Immunology Symposium Session	East Lansing, MI 1993
Co-Chair	Avian Immunology Mini-Symposium	Fayetteville, AR 1992
Chair	Program Committee-Immunology	Baton Rouge, LA 1988
Chair	Immunology Session	Corvallis, OR 1987
Organizer	Avian Immunology Workshop	Raleigh, NC 1986

Poultry Science journal

Journal Planning Committee 2016-present
Editor-in-Chief *Poultry Science* 2016-present
Chair Publication Strategic Plan committee 2012-2016
Chair Open Access Committee 2010-2011
Section Editor-Immunology, Health and Disease *Poultry Science* 2010-present
Associate Editor-Immunology, Health and Disease *Poultry Science* 2005-2010
Associate Editor-Immunology *Poultry Science* 1988-1995
Ad hoc Committee on *Poultry Science* journal 1990-1992

Evaluator Graduate Student Presentations

Denver, CO 2010	Niagara Falls, ON 2008	
St, Louis, MO 2004	Indianapolis, IN 2001	Montreal, PQ 2000
Fayetteville, AR 1999	Starkville, MS 1994	East Lansing, MI 1993
Blacksburg, VA 1990	Madison, WI 1989	Corvallis, OR 1987

World's Poultry Science Association

USA Branch Board of Directors 2011-2015, 2015-2019
President, USA Branch Board of Directors 2013-2015
Chair, Cliff Carpenter Essay Award 2011-2012

External Reviewer for Faculty Tenure and/or Promotion

Kuwait Institute of Scientific Research (KISR), 2017
Volcani Center, Agricultural Research Organization, Israel 2013
Virginia Polytechnic Institute 2010, 2015, 2016
North Carolina State University 2008 (2), 2014
Quaid-I-Azam University, Pakistan, 2004
University of Arkansas 2003
King Saud University, Saudi Arabia 2002, 2013
Texas A&M University 2002
Pennsylvania State University 1993

External Reviewer for Doctoral Candidates

University of Agriculture, Faisalabad, Pakistan
S. Ahmad, Poultry Science, 2009
M. I. Anwar, Veterinary Parasitology, 2008
H. Masood, Poultry Science, 2007
Quaid-I-Azam University, Islamabad, Pakistan, 2004

Grant Referee

Wellcome Trust Competitive Research Grant 2009
University of Maryland AES Competitive Research Grant 2007, 2008
USDA ARS Research Project Plan 2001
Binational Agricultural Research and Development Fund (BARD) 1994, 1999
North Carolina Biotechnology Institute Research Grants 1994
USDA Competitive Research Grants 1989-2014
Research Council (Canada) Strategic Grants 1986

Journal Referee

Animal Science Image Gallery 2014
Animal 2009, 2010
American Journal of Physiology 2009
Parasitology 2006
Journal of Animal Science 2006, 2008
USDA ARS Avian Disease and Oncology Lab, 2004
Faculty of Applied Biology, Hiroshima University, Japan 1994, 1995, 1998

Journal Referee (continued)

Immunogenetics 1994
Center for Food and Animal Research, Agriculture Canada 1994
Avian Pathology 1992
Developmental and Comparative Immunology 1991, 2012
Toxicology 1990
Poultry and Avian Biology Reviews 1990, 1992, 1998
Journal of Heredity 1988, 1989, 1994, 1996, 2001

Reviewer Journal Proposal CRC Press, Boca Raton, FL
Critical Reviews in Poultry Biology 1986

Co-Chair Avian Genetic Resources Task Force, 1995-1999

Chair New England Poultry Health Conference Session 1997

National Animal Germplasm Program Poultry Species Committee
Member, Species Coordinating Committee, 2004-2008
Chair, Poultry Species Committee, 2004-2008
Member, Poultry Species Committee, 2000-present

Participant - National Association of State Universities and Land-Grant Colleges (NASULGC) Leadership Conference 2002

ESCOP/ACOP National Leadership Development Program (Class 14) 2004-2005

University - West Virginia University

Office of Lab Animal Resources (OLAR) = Director search committee 2016

University - University of New Hampshire

Faculty Senate 2010-2012
Financial Affairs Committee
Chair Financial Oversight Committee 2011-2012
Graduate School Dissertation Fellowship Committee 2005-2008
Institutional Animal Care and Use Committee (IACUC) 2001-2010
COLSA/Genetics Committee 1995
Biology Executive Committee 1994-1995
Faculty Fellow - Graduate School 1993-1994
Commission on Graduate Education 1991-1993
Commission on Research and Graduate Education 1990-1991
Chair Research Council Review Panel 1990-1991
Research Council 1989-1992
Molecular, Cellular and Developmental Biology Subcommittee 1988-1989
Genetics Executive Committee 1988-1991, 1993, 1995, 1997-2000
Sigma Xi Chapter Secretary 1988-1990
Biology Course Development 1986-1987
University of New Hampshire Genetics Program 1986-2014

College, University of New Hampshire 1984-2014

COLSA Academic Affairs Committee 2006
New Hampshire Agricultural Experiment Station Project Review Committee 2000-2005
New Hampshire Agricultural Experiment Station Research Advisory Committee 2000-2002
Faculty Search Committee – Hubbard Brothers Chair in Genomics 1999-2001
COLSA Information Technology Committee 1997-2014
Academic Affairs Committee 1988-1989
Alpha Zeta Faculty Advisor 1986-1990
Scholarship Committee 1986-1988
FFA Interscholastic Contest 1985-1987

Department of Biological Sciences, University of New Hampshire 2008-2014

Graduate Coordinating Committee 2014
By-Laws Revision 2011
Animal Science Currciulum Revision 2011
Judge, NESA Student Presentations 2011
Liaison, Hamel Center for Undergraduate Research 2010-2014
Advisory Committee 2009-2011
Seminar Planning Committee 2008-2009

Department of Animal & Nutritional Sciences, University of New Hampshire 1984-2008

Memorial Committee for Dr. Richard Strout 2001-2002
Joint Merger Committee for Medical Laboratory Sciences 2000
Program Representatives Committee 1996-1999
Faculty Search Committee - Cellular Physiologist 1996
New England Poultry Health Conference Planning Committee 1992-1999
Chair Graduate Education Committee 1991-2001
Retirement Reception Committee - Dr. Richard Strout 1990
Promotion and Tenure Committee 1990-2007
Computer Coordinator 1990-2000
Graduate Program Coordinator 1990-2001
Advisory Committee 1990-1996
Faculty Search Committee - Reproductive Physiologist 1988
Liaison - Undergraduate Research Opportunities Program 1985-1998
Coordinator Animal Science Seminar 1987-1989
Retirement Reception Committee - Tom Danko 1987
Undesignated Gifts Committee Computer Grant 1986
Chair Faculty-Staff Dinner 1986
Computer-Aided Instruction Grant 1986
Faculty Search Committee - Reproductive Physiologist 1985
Examiner Graduate Student Computer Literacy 1985-2002
NH Poultry Health Conference Planning Committee 1985-1989
Summer Picnic 1984, 1985
Christmas Party 1984, 1985
Coordinator University of New Nampshire Poultry Research Farm 1984-2007

Host for Visiting Scientists, University of New Hampshire

Dr. Michael S. Halpern
The Wistar Institute of Anatomy and Biology
Sabbatical Research June 1993 - Sept. 1993

Dr. Fred M. McCorkle
Department of Biology, Central Michigan University
Faculty Summer Research Fellowship May - June 1986
Visiting Research Appointment June - July 1987
Special Research Fellowship June - July 1988
CMU Research Professorship January - May 1989

Dr. Paul Cotter
Department of Biology, Framingham (MA) State College
Sabbatical Research Sept. 1986 - Aug. 1987

PUBLICATIONS

* denotes graduate advisee

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Taylor, R. L., Jr., J. L. Anderson, and S. C. Smith, 2014. Commentary on: Atherosclerosis-susceptible and atherosclerosis-resistant pigeon aortic cells express different genes *in vivo.* International Atherosclerosis Society http://www.athero.org/commentaries/comm1188.asp

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Smith, S. C., E. C. Smith, and **R. L. Taylor, Jr**. 2001. Susceptibility to spontaneous aortic lesions in pigeons: An autosomal recessive trait. J. Hered. 92:439-442

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82 nucleotide sequences (Selected submissions are listed below).

DQ239533.1 *Gallus gallus* haplotype B24 microsatellite LEI0258 sequence, 309 bp linear DNA

DQ239532.1 *Gallus gallus* haplotype B23 microsatellite LEI0258 sequence, 357 bp linear DNA

DQ239531.1 *Gallus gallus* haplotype B22 microsatellite LEI0258 sequence, 249 bp linear DNA

DQ239525.1 *Gallus gallus* haplotype B2 microsatellite LEI0258 sequence, 261 bp linear DNA

NM_001044683.2 *Gallus gallus* MHC BF1 class I (BF1), mRNA, 1,244 bp linear mRNA

NM_001099355.1 *Gallus gallus* BG-like antigen 1 (BG1), mRNA, 1,023 bp linear mRNA

NM_001099353.2 *Gallus gallus* major histocompatibility complex, class II, DM alpha (DMA), mRNA, 915 bp linear mRNA

JQ780448.1 *Gallus gallus* BG1 protein (BG1) mRNA, BG1*R4 allele, complete cds, 1,536 bp linear mRNA

JQ780447.1 *Gallus gallus* BG1 protein (BG1) mRNA, BG1*R2 allele, complete cds, 1,439 bp linear mRNA

2823 expressed sequence tag (EST) sequences (Selected submissions are listed below).

JZ477010.1 1. WC_ROSI.B_H12 WC_ROSI *Columba livia* cDNA, mRNA sequence, 305 bp linear mRNA

JZ477009.1 2. WC_ROSI.B_H11 WC_ROSI *Columba livia* cDNA, mRNA sequence, 119 bp linear mRNA

JZ476832.1 108. WC_CONT.A_F06.B WC_CONT *Columba livia* cDNA, mRNA sequence, 171 bp linear mRNA

JZ476831.1 109. WC_CONT.A_F06.A WC_CONT *Columba livia* cDNA, mRNA sequence, 267 bp linear mRNA

JK714286.1 1. WC_C3_6WK_D_H12 WC_C3_6WK *Columba livia* cDNA, mRNA sequence, 238 bp linear mRNA

2JK714285.1 . WC_C3_6WK_D_H11 WC_C3_6WK *Columba livia* cDNA, mRNA sequence, 351 bp linear mRNA

JK714284.1 3. WC_C3_6WK_D_H10 WC_C3_6WK *Columba livia* cDNA, mRNA sequence, 424 bp linear mRNA

JK714283.1 4. WC_C3_6WK_D_H09 WC_C3_6WK *Columba livia* cDNA, mRNA sequence, 238 bp linear mRNA

JK714282.1 5. WC_C3_6WK_D_H07 WC_C3_6WK *Columba livia* cDNA, mRNA sequence, 268 bp linear mRNA

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