

ROBERT L. TAYLOR, JR., curriculum 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 – 2022

Mississippi State University, Starkville, MS

Graduate Faculty Committee Participant, Dept. of Basic Sciences (CVM), 2013 – 2018

Northern Illinois University DeKalb, IL

Graduate Faculty Scholar, Dept. of Biological Sciences, 2013 – 2018

University of Arkansas Fayetteville, AR

Adjunct Professor, Center of Excellence for Poultry Science, 2004 – 2008

HONORS

West Virginia University Gamma Sigma Delta - International Distinguished Achievement in Agriculture Award 2022

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 2016-2022

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 – 2022

Graduate Faculty Committee Member, Mississippi State University, Starkville, MS 2013–2018

Graduate Faculty Scholar, Northern Illinois University DeKalb, IL, 2013–2018

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

ESCAP/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

University 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
Project numbers NE-60, NE-1016, NE-1034, NE-1334, NE-1834

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, 2018

Poultry Science Association

Committee on Fellows 2016-2021

Alltech Student Research Manuscript Award Committee 2018-2022

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**

Editor-in-Chief *Poultry Science* 2016-2022

Year	Articles published	3 yr Impact Factor	Citations
2016	341	1.908	15,980
2017	513	2.216	19,149
2018	501	2.027	20,848
2019	776	2.659	25,835
2020	757	3.352	29,138
2021	698	4.014	35,657
2022	623		32,995

Journal Planning Committee 2018-present

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* 2010-2016

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

West Virginia Agricultural Experiment Station

Administrative Advisor NE-1834 Technical Committee 2017-present

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 2014-2018

Division Undergraduate Enrollment

Students enrolled in three Division programs

increased 18.2% from 2014-2018 (4.3% annually)

WVU Farm Advisory Council 2014-2017

Advisory Committee to the Dean for all University farm operations

Review of WVU Reymann Memorial Farm, Wardensville, WV 2016

Coordinated external review of activities and facilities at Reymann Memorial Farm

Division Faculty Evaluation

Developed faculty performance evaluation 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

Developed first Department Graduate Student Evaluation

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; MHC control of responses to oncogene tumors, infectious brochitis virus, and Marek's disease virus; identifying chicken alloantigen genes and proteins, gene expression in immune responses and immune cell development

GRANTS, West Virginia University (2014-present)

USDA, NIFA Seed Grant " Targeted RNA in situ hybridization to determine the spatial expression of the clustered homolog of immunoglobulin-like receptors (CHIR) in the chicken intestine after coccidiosis vaccine challenge" **Co-investigator.** \$250,000 2022

Balchem, Inc. "Mineral supplements to improve egg shell quality and immune response in late stage production. **Co-principal investigator.** \$43,700 2022

American Association of Immunologists Intersect Fellowship for Computational Scientists and Immunologists, "Characterizing immune cell populations and killer cell immunoglobulin-like receptors (KIRs) role in the reproductive tract of chickens" awarded to Dr. Theros Ng, Western University of the Health Sciences, **Collaborator.** 2022

USDA and West Virginia Agricultural Experiment Station NE-1834 "Genetic Bases for Resistance and Immunity to Avian Diseases" **Principal investigator.** \$17,000 2018-2023

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

USDA and West Virginia Agricultural Experiment Station NE-1334 "Genetic Bases for Resistance and Immunity to Avian Diseases" **Principal investigator.** \$7,000 2016-2018

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)

Cobb, Inc., Livability and Robustness Roundtable, Siloam Springs, AR 2022

West Virginia University, Division of Animal & Nutritional Sciences, Morgantown, WV 2021

West Virginia University, Dept. of Microbiology, Immunology & Cell Biology, Morgantown, WV 2019

University of Arkansas, Center of Excellence for Poultry Science, Fayetteville, AR, 2019

North Carolina State University, Prestage Department of Poultry Science, Raleigh, NC, 2019

Clemson University, College of Agriculture, Forestry and Life Sciences, Clemson, SC, 2018

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, Puerto 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, Division 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, West Virginia University (2014-present)

AVS 251	Principles of Animal Science Poultry Laboratory (fall) 2020, 2021
AVS 402	Values and Ethics (spring) 2023
AVS 696	Graduate Seminar (spring, fall) 2019-present
WVU	Crellin Elementary School, Oakland, MD, Poultry Project lecture 2019

TEACHING EXPERIENCE, University of New Hampshire (1984-2014)

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 MENTOR, West Virginia University (2014-present)**Ph.D.**

Brandi Sparling (advised with Y. Drechsler, Western University) presently enrolled

Ph.D. candidate

Poultry Science Association (PSA) Foundation Endowed Cobb-Vantress PhD Fellowship

GRADUATE COMMITTEES, West Virginia University (2014-present)**M. S.**

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) 2022

Nikhil Nuthalapati (Mississippi State University) 2018

John Boney 2017

Brian G. Glover 2017

Renee Kopulos (Northern Illinois University) 2016

Jesica Jacobs 2016

Ashley M. Evans 2015

GRADUATE MENTOR, University of New Hampshire (1984-2014)**M. S.**

Nicole Wilkinson 2006

Thesis: MHC (*B*) complex recombinant immune responses in the chicken

Elizabeth S. Schulten 2003

Thesis: Immune responses in six recombinant lines congenic for the major histocompatibility (*B*) complex

Graduate Summer Fellowship Recipient

PSA Graduate Student Certificate of Excellence

Christina Mesrobian (Genetics) 2002

Thesis: The effect of *Rfp-Y* haplotype on immune response in *Gallus domesticus*

Graduate Summer Fellowship Recipient

Christine V. Hoogasian 2001

Thesis: Analysis of matrix metalloproteinases-2, 9, and 13 in Rous sarcoma virus-induced tumors in *B2B2* and *B5B5* congenic chickens

Heather L. Senseney 1999

Thesis: B complex effects on Rous sarcoma tumor outcome in Line UCD 003 X Line UCD 001 chickens

Jordan Karagiannides (Genetics) 1997

Thesis: Immunity induced by a *v-src* DNA construct in 6.*B* congenic chickens

Lynda A. Caron 1996

Thesis: Resistance, susceptibility, and immunity to *Eimeria tenella* in UCD *B*-complex congenic lines of chickens

Cassandra L. Ash 1995

Thesis: Tumor growth, metastasis and immune protection by *src* oncogene constructs
Graduate Summer Fellowship Recipient

Keith T. LePage (Genetics) 1994

Thesis: Effects of major histocompatibility (*B*) complex dosage on a T cell dependent antibody response in an aneuploid line of chickens

Jacqueline K. Cieszynski 1994

Thesis: The role of calcium in interleukin 1 (IL-1) production by the MQ-NCSU cell line

Christine J. Bombara 1990

Thesis: Signal transduction events and major histocompatibility *B* complex effects on avian interleukin 1 production

Nicholas W. Lukacs 1988

Thesis: Response of major histocompatibility (*B*) complex haplotypes *B22*, *B26* and *B30* to Rous sarcomas and the role of endogenous lectins in avian *Eimeria* parasites
University of New Hampshire CURF Grant Recipient

Ph.D.

Zdravka O. Medarova (Genetics) 2002

Dissertation: The effects of erythrocyte alloantigen *L* on the avian immune response
PSA Graduate Student Certificate of Excellence

Keith T. LePage (Genetics) 1998

Dissertation: Non-major histocompatibility (*B*) complex effects on Rous sarcomas and *v-src*-induced tumors
PSA Graduate Student Certificate of Excellence

GRADUATE COMMITTEES, University of New Hampshire (1984-2014)

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 MENTOR, West Virginia University (2014-present)

Megan Alderman - Research Apprenticeship Program (RAP) 2019

UNDERGRADUATE MENTOR, University of New Hampshire (1984-2014)

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 Stempel - 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

UNDERGRADUATES ASSISTED, University of New Hampshire (1984-2014)

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-1834) 1984-present

Project numbers NE-60, NE-1016, NE-1034, NE-1334, NE-1834

Administrative Advisor Technical Committee 2017-present**Chair** NE-1834 Project Revision Committee 2022-2023**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 (PSA)**

Alltech Student Research Manuscript Award Committee 2018-2022

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 (PSA) Annual Meeting**Presenter** PSA Fellow Awards San Antonio, TX 2018**Presenter** PSA 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**Editor-in-Chief** *Poultry Science* 2016-2022

Year	Articles published	3 yr Impact Factor	Citations
2016	341	1.908	15,980
2017	513	2.216	19,149
2018	501	2.027	20,848
2019	776	2.659	25,835
2020	757	3.352	29,138
2021	698	4.014	35,657
2022	623		32,995

Journal Planning Committee 2018-present

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

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

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

External Reviewer for Faculty Tenure and/or Promotion

University of Arizona 2022

USDA-ARS Personnel Promotion Review Panel 2021

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
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

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 2014-present

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

University - University of New Hampshire 1984-2014

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 - West Virginia University 2014-present

Faculty Enrichment Grant Review Committee 2022-2023

Outstanding Merit Fellowship Review Committee 2021-2022

College Structure Committee 2021-2022

Gamma Sigma Delta Nominating Committee 2021-2022

Administrative Team 2014-2018

WVU Farm Advisory Council 2014-2017

Review of WVU Reymann Memorial Farm, Wardensville, WV 2016

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

Division of Animal & Nutritional Sciences - West Virginia University 2014-present**Chair**, Ad hoc Seminar Committee, 2020**Chair**, Physiology Lab Reentry Plan Committee, 2020

Promotion and Tenure Committee, secondary alternate 2019-2020

Promotion and Tenure Committee, primary alternate 2018-2019

Veterinary Admission Mock Interviews – Davis-Michael Scholars Program 2015-present

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

Graduate Coordinating Committee 2014

By-Laws Revision 2011

Animal Science Curriculum 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 Hampshire 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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Google Scholar = <https://scholar.google.com/citations?user=EzMXsOAAAAAJ&hl=en&oi=ao>

Publications	Number	Definition
Referred	127	
Technical reports	47	
Abstracts	129	
sequences	82	nucleotide
sequences	2823	expressed sequence tag (EST)
Citations	2409	
h-index	27	h # papers cited $\geq h$ times
i10-index	62	# papers cited ≥ 10 times
g-index	45	total citations for top g papers $\geq g^2$

Coe, C., T. Boltz, R. Stearns, P. Foster, **R. L. Taylor, Jr.**, J. S. Moritz, J. Jaczynski, A. Freshour, and C. Shen. 2022. Thermal inactivation of *Salmonella typhimurium* and the surrogate *Enterococcus faecium* in mash broiler feed in a laboratory scale circulated thermal bath. *Poult. Sci.* 101:101976 <https://doi.org/10.1016/j.psj.2022.101976>

Fulton, J. E. W. Drobik-Czwarno, A. Wolc, A. M. McCarron, A.R. Lund, C. J. Schmidt and **R. L. Taylor, Jr.** 2022. The chicken A and E blood group systems are due to variation in proteins encoded by genes within the chicken RCA syntenic gene region. *J. Immunol.* 209:1-10 <https://doi.org/10.4049/jimmunol.2101010>

Taylor, R. L., Jr. 2022. Nunc Dimitis – Fred M. McCorkle, Jr. *Poult. Sci.* 101:101854 <https://doi.org/10.1016/j.psj.2022.101854>

Taylor, R. L., Jr. 2022. The 50 most downloaded articles from Poultry Science in 2021. *Poult. Sci.* 101: 101818 <https://doi.org/10.1016/j.psj.2022.101818>

Zhang, J., R. M. Goto, C. F. Honaker, P. B. Siegel, **R. L. Taylor, Jr.**, H. K. Parmentier, and M. M. Miller. 2022. Association of MHCY genotypes in lines of chickens divergently selected for high or low antibody response to sheep red blood cells. *Poult. Sci.* 101:101621 <https://doi.org/10.1016/j.psj.2021.101621>

Zhang, J., R. M. Goto, A. Psifidi, M. P. Stevens, **R. L. Taylor, Jr.**, and M. M. Miller. 2022. Research Note: MHCY haplotype and *Campylobacter jejuni* colonization in a (Line N x Line 61) x Line N backcross population. *Poult. Sci.* 101:101654 <https://doi.org/10.1016/j.psj.2021.101654>

Felföldi, B., H. Wang, N. Nuthalapati, **R. L. Taylor, Jr.**, J. D. Evans, S. L. Branton, and G. T. Pharr. 2021. Expression of chicken leukocyte cell-derived chemotaxin 2 in the embryonic bursa of Fabricius. *Int. J. Poult. Sci.* 20: 43-47 <https://doi.org/10.3923/ijps.2021.43.47>

Nuthalapati, N., T. A. Burks, **R. L. Taylor, Jr.**, P. B. Siegel, and G. T. Pharr. 2021. Protein tyrosine kinase gene expression profiles in the embryonic bursa of Fabricius of chicken lines selected for high and low antibody responses. *Int. J. Poult. Sci.* 20:173-178 <https://doi.org/10.3923/ijps.2021.173.178>

Taylor, R. L., Jr. 2021. The 100 most cited papers from Poultry Science's centennial. *Poult. Sci.* 100:101256 <https://doi.org/10.1016/j.psj.2021.101256>
<https://www.sciencedirect.com/journal/poultry-science/special-issue/10HJB0LSV24>

Taylor, R. L., Jr. and D. Jones. 2021. A century of progress 1921-2021. *Poult. Sci.* 100:101073 <https://doi.org/10.1016/j.psj.2021.101073>

*Wilkinson, N. G., R. T. Kopulos, L. M. Yates, W. E. Briles, and **R. L. Taylor, Jr.** 2021. Research Note: Rous sarcoma growth differs among congenic lines containing major histocompatibility (B) complex recombinants. *Poult. Sci.* 100:101335 <https://doi.org/10.1016/j.psj.2021.101335>

Taylor, R. L., Jr. 2020. A Year of Change. *Poult. Sci.* 99:6291–6292 <https://doi.org/10.1016/j.psj.2020.09.018>

*Wilkinson, N. G., R. T. Kopulos, L. M. Yates, W. E. Briles, and **R. L. Taylor, Jr.** 2020. Major histocompatibility (B) complex recombinant R13 antibody response against bovine red blood cells. *Poult. Sci.* 99:4804-4808 <https://doi.org/10.1016/j.psj.2020.06.069>

Council for Agricultural Science and Technology (CAST) [Long., J. H. Blackburn, A. Martin, F. Silversides, **R. L. Taylor, Jr.** and C. Youngs]. 2019. Protecting food animal gene pools for future generations—A paper in the series on The Need for Agricultural Innovation to Sustainably Feed the World by 2050. Issue Paper 65. CAST, Ames, Iowa. <https://www.cast-science.org/publication/protecting-food-animal-gene-pools-for-future-generations/>

Nuthalapati, N., J. D. Evans, **R. L. Taylor, Jr.**, S. L. Branton, B. Nanduri, and G. T. Pharr. 2019. Transcriptomic analysis of early B-cell development in the chicken embryo. *Poult. Sci.* 98:5342-5354 <https://doi.org/10.3382/ps/pez354> published online: 06/25/19

Xu, L., Y. He, Y. Ding, G. E. Liu, H. Zhang, H. H. Cheng, **R. L. Taylor, Jr.**, and J. Song. 2018. Genome-wide assessment of inbred chicken lines indicates genomic signatures of resistance to Marek's Disease. *J. Anim. Sci. Biotech.* 9:65-75 doi 10.1186/s40104-018-0281 published online: 09/13/18)

Taylor, R. L., Jr. 2018. Nunc Dimitis – Walter M. Collins. *Poult. Sci.* 97:3005 doi.org/10.3382/ps/pey169

Swaggerty, C. L., I. Y. Pevzner, **R. L. Taylor, Jr.** C. M. Ashwell, R. J. Arsenault, and M. H. Kogut. 2017. Selection of broilers for increased innate immune markers: Past strategies and looking ahead. Pages 20-36 *In: Proc. 66th National Breeder's Roundtable*, P. Settar, (ed.), Poultry Breeders of America, U. S. Poultry and Egg Association, Tucker, GA

Taylor, R. L., Jr. 2017. Unscrambling chickens' genetic control of oncogene tumor outcome. Pages 5-12 *In: Proc. 66th National Breeder's Roundtable*, P. Settar, (ed.), Poultry Breeders of America, U. S. Poultry and Egg Association, Tucker, GA

Taylor, R. L., Jr. 2017. Renew the priority for manuscript review. *Poult. Sci.* 96:4133 doi 10.3382/ps/pex267

Miller, M. M., and **R. L. Taylor, Jr.** 2016. Brief review of the chicken major histocompatibility complex – the genes, their distribution on chromosome 16 and their contribution to disease resistance. *Poult. Sci.* 95:375-392 doi:10.3382/ps/pev379 (review)

Taylor, R. L., Jr. 2016. Letter to the Editor – A publication experiment. *Poult. Sci.* 95:227 doi:10.3382/ps/pev451

Taylor, R. L., Jr. 2016. Nunc Dimitis - W. Elwood Briles. *Poult. Sci.* 95:2477 doi:10.3382/ps/pew176

Taylor, R. L., Jr., Z. Medarova, and W. E. Briles. 2016. Immune effects of chicken non-Mhc alloantigens. *Poult. Sci.* 95:447-457 doi:10.3382/ps/pev331 (review)

Taylor, R. L., Jr. 2015. Letter to the Editor – An incomplete story told by a single number. *Poult. Sci.* 94:1995-1996 doi:10.3382/ps/pev221

Taylor, R. L., Jr. 2015. The future of poultry science research: Challenges as opportunities. AMENA, Asociación Mexicana de Especialistas en Nutrición Animal, Puerto Vallarta, Mexico http://www.poultryscience.org/2015_AMENA_Symposium.asp

Weathers, B., S. L. Branton, R. Jacob, **R. L. Taylor, Jr.,** E. D. Peebles, and G. T. Pharr. 2015. Expression of the ephrin receptor B2 in the embryonic chicken bursa of Fabricius. *Int. J. Poult. Sci.* 14:485-490

Anderson, J. L., M. C. Keeley, S. C. Smith, E. C. Smith, and **R. L. Taylor, Jr.** 2014. Rosiglitazone modulates pigeon atherosclerotic lipid accumulation and gene expression in vitro. *Poult. Sci.* 93:1368-1374 doi: 10.3382/ps.2013-03840

Anderson, J. L., S. C. Smith and **R. L. Taylor, Jr.** 2014. The pigeon (*Columba livia*) model of spontaneous atherosclerosis. (review) *Poult. Sci.* 93:2691-2699 doi: 10.3382/ps.2014-0428

*Burks, T. A. and **R. L. Taylor, Jr.** 2014. Genetic control of Rous sarcoma virus-induced tumor growth in chickens: Role of the major histocompatibility (B) complex. Animal Science Image Gallery. <http://animalimagegallery.org/search.php> #5178

University of New Hampshire Undergraduate Research Opportunities Program Advisee

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>

Anderson, J. L., S. C. Smith and **R. L. Taylor, Jr.** 2013. Atherosclerosis-susceptible and atherosclerosis-resistant pigeon aortic smooth muscle cells express different genes and proteins in vitro. *In: Current Trends in Atherogenesis.* R. Rezzani, (ed.) InTech, Inc., Rijeka, Croatia (review) pp. 165-186 accessed February 27, 2013 doi: 10.5772/52948 <http://www.intechopen.com/articles/show/title/atherosclerosis-susceptible-and-atherosclerosis-resistant-pigeon-aortic-smooth-muscle-cells-express->

Anderson, J. L., C. M. Ashwell, S. C. Smith, R. Shine, E. C. Smith, and **R. L. Taylor, Jr.** 2013. Atherosclerosis-susceptible and atherosclerosis-resistant pigeon aortic cells express different genes *in vivo*. *Poult. Sci.* 92:2668-2680 doi: 10.3382/ps.2013-03306

Anderson, J. L., **R. L. Taylor, Jr.,** E. C. Smith, W. K. Thomas and S. C. Smith. 2012. Differentially expressed genes in aortic smooth muscle cells from atherosclerosis-susceptible and atherosclerosis-resistant pigeons. *Poult. Sci.* 91:1315-1325 doi: 10.3382/ps.2011-01975

Anderson, J. L., S. C. Smith and **R. L. Taylor, Jr.** 2011. Spontaneous atherosclerosis in pigeons: A good model of human disease. *In: Atherogenesis*. S. Parthasarathy, (ed.) InTech, Inc., Rijeka, Croatia (review) pp. 25-48 Accessed January 11, 2012 doi: 10.5772/26121 <http://www.intechopen.com/articles/show/title/spontaneous-atherosclerosis-in-pigeons-a-good-model-of-human-disease>

Smith, S. C., E. C. Smith and **R. L. Taylor, Jr.** 2011. Genetic analysis of spontaneous aortic atherosclerosis in susceptible and resistant pigeons. Animal Science Image Gallery. <http://animalimagegallery.org/search.php#5153>

Taylor, R. L., Jr. 2011. Letter to the Editor – Technology develops faster than we adapt. The New Hampshire 100 (48):16

Taylor, R. L., Jr. 2010. Letter to the Editor – Genetics Stocks. Poult. Sci. 89:3-4 doi: 10.3382/ps.2009-00540

Goto, R. M., Y. Wang, **R. L. Taylor, Jr.**, P. S. Wakenell, K. Hosomichi, T. Shiina, C. Blackmore, W. E. Briles, and M. M. Miller. 2009. BG1 has a major role in MHC-linked resistance to malignant lymphoma in the chicken. Proc. Natl. Acad. Sci. USA 106:16740-16745 doi: 10.1073/pnas.0906776106

*Schulten, E. S., W. E. Briles and **R. L. Taylor, Jr.** 2009. Rous sarcoma growth in lines congenic for major histocompatibility (*B*) complex recombinant haplotypes. Poult. Sci. 88:1601-1607 doi: 10.3382/ps.2009-00085

Taylor, R. L., Jr. 2009. The future of poultry science research: Things I think I think. Poult. Sci. 88:1334-1338 doi: 10.3382/ps.2009-00056

Taylor, R. L., Jr. 2009. In memorium – Bruce Glick. AAI Newsletter July/August p. 17

Taylor, R. L., Jr., and C. M. Ashwell. 2009. Landmark papers from the first 100 years of Poultry Science Symposium - Introduction. Poult. Sci. 88: 811-812 doi: 10.3382/ps.2008-00543

Taylor, R. L., Jr., and F. M. McCorkle, Jr. 2009. A landmark contribution to Poultry Science - Immunological function of the bursa of Fabricius. Poult. Sci. 88: 816-823 doi: 10.3382/ps.2008-00528

Taylor, R. L., Jr. and T. R. Scott. 2009. Nunc Dimitis - Bruce Glick. Poult. Sci. 88:1129

Chapman, M. E., **R. L. Taylor, Jr.**, and R. F. Wideman, Jr. 2008. Analysis of plasma serotonin levels and hemodynamic responses following chronic serotonin infusion in broilers challenged with bacterial lipopolysaccharide and microparticles. Poult. Sci. 87:116-124

Smith, S. C., E. C. Smith, M. L. Gilman, J. L. Anderson, and **R. L. Taylor, Jr.** 2008. Differentially expressed soluble proteins in aortic cells from atherosclerosis-susceptible and resistant pigeons. Poult. Sci. 87:1328-1334 doi: 10.3382/ps.2008-00051

*Schulten, E. S., L. M. Yates and **R. L. Taylor, Jr.** 2007. Antibody response against sheep red blood cells in lines congenic for major histocompatibility (*B*) complex recombinant haplotypes. Int. J. Poult. Sci. 6:732-738

Fulton, J. E., H. Juul-Madsen, C. M. Ashwell, A. M. McCarron, J. A. Arthur, N. O'Sullivan and **R. L. Taylor, Jr.** 2006. Molecular genotype identification of the *Gallus gallus* major histocompatibility complex. Immunogenetics 58:407-421

Tupick, T. A., S. E. Bloom and **R. L. Taylor, Jr.** 2005. Major histocompatibility (*B*) complex gene dose effects on Rous sarcoma virus tumor growth. *Int. J. Poult. Sci.* 4:286-291
University of New Hampshire Oliver Hubbard Undergraduate Research Fellowship
University of New Hampshire Undergraduate Research Opportunities Program Advisee

Erf, G. F. and **R. L. Taylor, Jr.** 2004. Ancillary Scientists Symposium - The avian immune system: Function and modulation: Introduction. *Poult. Sci.* 83:550-551

Miller, M. M., J. Fulton, D. Burt, **R. L. Taylor Jr.**, M E. Delany, L. Hillier, J. B. Dodgson, D. J. Anderson, S. E. Antonarakis, P. Bork, M. Bronner-Fraser, A. C. Burke, J. Champagnat, V. A. Chiappinelli, J. Corwin, E. Eichler, H. Ellegren, P. Fuchs, T. C. Glenn, P. F. Goetinck, M. A. M. Groenen, R. P. Harvey, M. Jacob, H. J. Karten, M. Long, W. Miller, B. A. Morgan, P. Mozdziak, P. Neiman, M. A. Nieto, C. P. Ordahl, R. Owen. D. J. Perkel, O. Pourquie, L. Puelles, C. Ragsdale, M. Rao, A. D. Riggs, R. H. Sawyer, C. Scharff, G. C. Schoenwolf, B. Sokolowski, C. D. Stern, G. Ka-Shu Wong, H. Yang, and N. Yang. 2004. Genome news highlights loss of chicken strains. *Nature (Correspondence)* 432:799. (Nature Correspondence signed by 46 investigators drawing attention to the loss of genetic stocks critical to ongoing research.)

Taylor, R. L., Jr. 2004. Major histocompatibility (*B*) complex control of responses against Rous sarcomas. *Poult. Sci.* 83:638-649 (review)

*Medarova, Z., W. E. Briles and **R. L. Taylor, Jr.** 2003. Alloantigen system *L* affects antibody responses. *Int. J. Poult. Sci.* 2:23-27

*Medarova, Z., W. E. Briles and **R. L. Taylor, Jr.** 2003. Resistance, susceptibility, and immunity to cecal coccidiosis: *B* complex and alloantigen system *L* effects. *Poult. Sci.* 82:1113-1117

*Medarova, Z., W. E. Briles and **R. L. Taylor, Jr.** 2003. Immunological functions of avian alloantigens. *Recent Res. Dev. Infect. Immun.* (review) 1:145-166

*Medarova, Z., W. E. Briles and **R. L. Taylor, Jr.** 2002. Alloantigen system *L* affects the outcome of Rous sarcomas. *Exp. Biol. Med.* 227:158-163

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Pisenti, J. M., M. E. Delany, **R. L. Taylor, Jr.**, U. K. Abbott, H. Abplanalp, J. A. Arthur, M. R. Bakst, C. Baxter-Jones, J. J. Bitgood, F. Bradley, K. M. Cheng, R. R. Dietert, J. B. Dodgson, A. Donoghue, A. Emsley, R. Etches, R. R. Frahm, A. A. Grunder, R. J. Gerrits, P. F. Goetinck, S. J. Lamont, G. R. Martin, P. E. McGuire, G. P. Moberg, L. J. Pierro, C. O. Qualset, M. Qureshi, F. Schultz and B. W. Wilson. 2001. Avian genetic resources at risk: An assessment and proposal for conservation of genetics stocks in the USA and Canada. *Avian Poult. Biol. Rev.* 12:1-102 (review)

*Senseney, H. L., H. Abplanalp, W. E. Briles and **R. L. Taylor, Jr.** 2001. Complementation between *BQ* and *B17* MHC haplotypes increases Rous sarcomas regression. *In: Current Progress on Avian Immunology Research.* K. A. Schat (ed.), American Association of Avian Pathologists Kennett Square, PA, pp. 211-214

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*LePage, K. T., W. E. Briles, F. Kopti and **R. L. Taylor, Jr.** 2000. Nonmajor histocompatibility complex alloantigen effects on the fate of Rous sarcomas. *Poult. Sci.* 79:343-348

- *LePage, K. T., M. M. Miller, W. E. Briles and **R. L. Taylor Jr.** 2000. *Rfp-Y* genotype affects the fate of Rous sarcomas in *B2B5* chickens. *Immunogenetics* 51:751-754
- *Senseney, H. L., H. Abplanalp, W. E. Briles and **R. L. Taylor, Jr.** 2000. Allelic complementation between MHC haplotypes *BQ* and *B17* increases regression of Rous sarcomas. *Poult. Sci.* 79:1736-1740
- *Cieszynski, J. A., M. A. Qureshi and **R. L. Taylor, Jr.** 1999. Calcium role in chicken IL-1 secretion. *Poult. Sci.* 78:70-74
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Author or co-author of submissions to NCBI-GenBank for public access.

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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