

CURRICULUM VITAE

Name: **Joan K. Lunney, Ph.D.**, Supervisory Research Scientist, Animal Parasitic Diseases Laboratory, Beltsville Agricultural Research Center, Agricultural Research Service, USDA.

[<https://www.ars.usda.gov/PandP/docs.htm?docid=24827>]

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Education:

1968 B.S. with honors in Chemistry, Chestnut Hill College, Philadelphia, PA
1976 Ph.D. Biochemistry, Johns Hopkins University, Baltimore, MD (Thesis: Studies on the regulation of serum glycoprotein homeostatis; Advisor: Dr. Gilbert Ashwell).

Experience:

Summer, 1967 Research Chemist, Corning Glass Works, Corning, NY
1968 - 1971 Chemistry Teacher, Camden Catholic High School, Cherry Hill, NJ
Summer, 1970 Fellow, NSF Summer Institute for Chemistry and Physics, American University; Part-time research, Reproduction Research Branch, NICHD, NIH, Bethesda, MD
1971 - 1976 Graduate Student, Biology Department, Johns Hopkins University, Baltimore, MD
Summer, 1971 Chemist, Reproduction Research Branch, NICHD, NIH, Bethesda, MD
Summer, 1972 Chemist, Laboratory of Biochemical Pharmacology, NIAMDD, NIH, Bethesda, MD
1973 - 1976 Graduate Student/Chemist, Lab Biochemistry + Metabolism, NIAMDD, NIH, Bethesda, MD
1976 - 1979 NRSA Postdoctoral Research Fellow, Immunology Branch, NCI, NIH, Bethesda, MD
1979 - 1983 Senior Staff Fellow, Immunology Branch, NCI, NIH, Bethesda, MD
1983 - 1991 Guest Worker, Immunology Branch, NCI, NIH, Bethesda, MD
1983 - 1987 GM13 Research Chemist, Helminthic Diseases Laboratory, USDA, ARS, Beltsville, MD
1987 - 1992 GM14 Research Immunologist, Helminthic Diseases Laboratory, USDA, ARS, Beltsville, MD
1992 - 1994 GM15 Research Immunogeneticist, Helminthic Diseases Lab, USDA, ARS, Beltsville, MD
1995 - 1997; 1998-2000 Adjunct Professor, Animal Science Dept., Univ. Maryland - College Park, MD
1994 - 1995 GM15 Acting Research Leader and Supervisory Research Immunogeneticist, Parasite Immunobiology Laboratory, USDA, ARS, Beltsville, MD
Fall, 2001 Acting National Program Leader, Animal Health, National Program Staff, ARS, USDA, Beltsville, MD
1995 - 2003 GM15 Research Leader and Supervisory Research Immunogeneticist, Immunology and Disease Resistance Laboratory, USDA, ARS, Beltsville, MD
2003 - 2015 GM15 Research Scientist, Animal Parasitic Diseases Lab, USDA, ARS, Beltsville, MD
2008 - present Adjunct Professor, Department of Veterinary Medicine, Univ. Maryland - College Park, MD
2008 - 2012 Adjunct Professor, Veterinary Science Dept., South Dakota State University, Brookings, SD
2009 - 2012 Adjunct Professor, Vet Medical Inst., Guangdong Ag Science Academy, Guangdong, China
2009 - 14; 2014-19 Guest (Adjunct) Professor, Huazhong Agricultural University, Wuhan, China
2014 - present Member, Science and Industry Advisory Committee (SIAC), Genome Canada.
2015 - present ST-1320 Supervisory Research Chemist, Animal Parasitic Diseases Lab, BARC, ARS, USDA, Beltsville, MD

Honors/Awards:

Chestnut Hill College - Academic Scholarship (1964-1968), American Inst. of Chemists Award (1968).
 USDA Certificates of Merit for "Acquisitive of knowledge on animal genome ... at BARC" (1991).
 USDA National Women's Action Taskforce - Women's Equality Day Supervisor's Award (1991).
 Beltsville Area Fed. Women's Prog. Impact Award for "dedicated promotion of women into science" (1992).
 USDA Certificates of Appreciation for "...development of BA Employees ... as a Mentor" (1993-2002).
 Selected as Distinguished Veterinary Immunologist by American Assn of Veterinary Immunologists (1996).
 Elected Fellow, American Association for the Advancement of Science (1998).
 USDA Beltsville Area Preston Tisdale Safety Award with DE Hill, R Hoagland, HR Gamble, "For originating, designing, and implementing a comprehensive Biosafety program in the Parasitology Unit. (2000)
 USDA Beltsville Area Distinguished Lecturer Award (2003)
 Selected by Chestnut Hill College as outstanding alumna and charter member of its honorary *Libris Society*.
 This award honors those graduates who exemplify the CHC motto of Faith, Charity, Knowledge. (2005).
 Association for Women in Science (AWIS)-Bethesda - Excellence in Mentoring Award (2006).
 Chestnut Hill College Alumnae/i Association Distinguished Achievement Award (2007)
 FAiR [EU Fairness and Accountability in Research] Selected as honorary member and US "ambassador" (2007)
 International Journal of Biological Sciences "Most Cited Paper Award" (2009)
 USDA Beltsville Area Senior Research Scientist Award (2010)
 USDA Beltsville Area Equal Employment Opportunity/Civil Rights/Diversity Award (2012)
 NRSP-8 (Animal Genome Program) Distinguished Lecturer (2014)
 USDA ARS national Outreach Diversity, and Equal Opportunity Award (2014)
 Genome Canada Science and Industry Advisory Committee (2014-16; 2016-18)
 Rural Development Administration (RDA), Korea, Honorary Scientist (2014)
 International Society for Animal Genetics, Fellow (2017)

Societies:

American Association for the Advancement of Science (Fellow, 1998; AAAS Electorate Nominating Committee - Section O 2017-20); American Association of Immunologists; American Association of Swine Veterinarians; American Association of Veterinary Immunologists; American Association of Veterinary Parasitologists; Association for Women in Science; Conference of Research Workers in Animal Disease; International Society for Animal Genetics; Transplantation Society; Xenotransplantation Association

Student Activities:

George Washington University, Public Health Microbiology, MS research intern, L Venner (2016-17)
 University of Maryland-College Park (UMCP), Zoology Dept.: Research Course for undergraduates, ~1 student every 2 years (1984-present); most recent C. Obele (2006); L Mann (2010-11); V Cohen (2012-3)
 UMCP, Animal Science Dept.: Adjunct Professor (1995-1997; 1998-2000); Major Advisor for M.S. of Sarah M. Hyatt (1993-1996). Department of Veterinary Medicine: Adjunct Professor (2008-)
 External Examiner: Univ. Toronto, Canada, R Allore (Ph.D. 1984); Univ. Guelph, Canada, B Mallard (Ph.D. 1988); Cornell Univ.: C Davies (Ph.D. 1989); Univ. Saskatchewan, SK, Canada: M. Salles (Ph.D. 2002); Wageningen Univ., Netherlands: H Rashidi (PhD 2016); J Cao, Virginia Tech (PhD 2017)
 Ohio State Univ., OARDC, Wooster, OH; with Dr. Linda Saif, Informal Advisor for 2 Ph.D. students (1990-93)
 Universidad Autonoma, Madrid, Spain: Major Advisor for Ph.D. for M. Gonzalez Juarrero (1986-1990)
 Research Fellowships: S. Chamorro, Spain (2000); S. Kothlow, Germany (2000); Univ. Sao Paulo, Brazil, Dr. S. Nishi (2001-2004); Univ. Sao Paulo, and FAPESP, Brazil, J- L Garcia (2002); CNPq-Embrapa/Labex, Brazil, K. Araujo (2010-12); Embrapa Visiting Scientist, C. Souza (2011-13).
 Committee member for South Dakota State Univ. MS student, Xiaoxin Zhou, under Dr. Ying Fang (2007-9).
 Huazhong Univ. (China) student, Hongbo Chen, under Dr. ShuHong Zhao (2009-2011); Linjun Hong under Dr. Mai Yu (2015-2016); both funded by China Scholarship Council awards.
 Committee member for Michigan State Univ. MS student, Maria Arceo, under Dr. JP Steibel (2010-2012)
 Organizer, Young Scientists Career Roundtable, XIVth International Nidovirus Symposium (2017)

Editorial Boards/Advisory Activities:

Animal Biotechnology, Editorial Board (1989- 2017); Annual Review Animal Biosciences (2015 - ...)
 Veterinary Immunology and Immunopathology, Editorial Board (1989-1998; 2007-14);
 Journal of Immunology, Associate Editor (1989-1993); Section Editor (1998-2002)
 Animal Genetics, Advisory Board (1992-99); Elected to Editorial Board (2000-04); Editorial Board (2011-)
 Animal Health Research Reviews, Editorial Board (1999-2012); Virus Research, Co-Editor, Special Issue (2010)
 BMC Genomics, Associate Editor (2014-...); Veterinary Microbiology, Co-Editor, Special Issue (2016-17)

Cellular Physiology Panel, NSF, Washington, DC (1983-1987)
 US National Research Council, Institute of Medicine Committee to develop national report on “Xenograft Transplantation: Ethical Issues and Public Policy” (1995-1996)
 Advisory Committee, International Veterinary Immunology Symposia (Canada, 1986; Germany 1989; Hungary, 1992; Chair, Scientific Program, Davis, CA, 1995; India, 1998; Sweden, 2001; Brazil 2007; Japan 2010; Italy 2013; Australia 2016; USA 2019)
 Intn'l Advisory Council, Junta Nacional de Investigacao Cientifica e Tecnologica, Portugal (1987-1990)
 Animal Genome Mapping Comm., Coauthor of "Implementation Plans for Joint Animal Germplasm Program and Animal Genome Research Program" report to ESCOP (1990), report to Congress (1991)
 International Swine CD Workshop for Analysis of Monoclonal Antibodies, Chair (1st Workshop 1990-3); Co-Chair (Second Workshop 1993-7); Chair, Swine Section, Animal Homologues, HLDA8 workshop (2002-6).
 Am Assn Immunologists, Veterinary Immunology Comm (1990-3) Committee on Status of Women (2001-04)
 NIH Symposium on "Protein-carbohydrate Interactions" to honor Dr. Gilbert Ashwell, Co-organizer (1991)
 USDA Animal Genome Program (NRSP8), Secy (2007); Chair (2008); Swine Species Comm. Chair (1994-5; 2004); Secy (2012); Swine genome NC1004/1037 Projects (1992-); Chair (1994-5)
 USDA ARS Committee on Ethics in Science, Beltsville Area Representative (1993-7)
 Pharmacia & Upjohn/Pfizer Animal Health Discovery Research Council (1998); Parasite Vaccines (2005-7)
 Plant & Animal Genome (PAG) meetings, San Diego, CA, Organizing Committees: Ag Microbial Genome (2000-2); Chair, Swine Workshop (2005, 2013-14); PAG NRSP-8 Chair (2008-9).
 Veterinary Immunology Comm., Intn'l Union Immunological Soc. (1993-8); Chair (1998-2004); member (2004- present); Chair, Toolkit Sub-Committee (2016-2019).
 USDA NIFA grant panels: Animal Genetics (1994; 2000); Strengthening (1998); Microbial Genom2 (2003); US-UK Animal Health Researchers and Funders Workshop (2015); Animal Health (2016)
 Invited keynote talks for EC project, EADGENE [European Animal Disease Genomics Network of Excellence] France (2004); Norway (2006); Netherlands (2007); EC reviewer for EADGENE project (2006-2010).
 American Assn. Vet. Immunologists (AAVI) (President 2007; VP 2005; Pres.-Elect 2006; Past Pres. 2008-9).
 Genome Canada Competition III review panel chair (2005-6); Intn'l Scientific Review Comm (2007); Genome BC Applied Genomics Innovation Program (2008); Science and Industry Advisory Comm (2014-present).
 Member, US EU Animal Biotechnology Working Group (2011-4)
 NC-229 Project on PRRS; BARC rep (2003- present); Elected Chair (2007-9); Intl PRRS Symp [Scientific Program Chair (2006-7); Chair (2008-9); Organizing Committee (2012 Kansas City; 2013 Beijing China)].
 NPB CoChair for PRRS Genetic Research Meetings (2005-7); Chair, Health panel, NPB Sow Longevity (2009)
 Invited seminars: China Ag Univ, Beijing; Huazhong Ag Univ; Binzhou (China 2013); Texas A&M Univ. CVM (2014), INRA Jouy-en-Josas (2015); Wageningen Univ., Netherlands (2016); Univ. of Calgary (2016); NIAS, RDA Jeonju, Korea (2016); Univ. Kentucky Lexington (2017); Virginia Tech (2017); North American PRRS Symposium, Chicago, (2017)
 Invited speaker: NRSP-8 (US National Animal Genome Program) Distinguished Lecturer (2014); International Society Animal Genetics (ISAG), Invited Plenary Lecturer, Xi'an, China (2014)
 Scientific Advisory Board: Bovine Respiratory Disease Complex (BRDC) Coordinated Agriculture Project (CAP) (2012-16); EU PoRRSCon project (2012-15)
 Assessment board, Animal Genetics Division, Institut National de la recherche Agrono - France (INRA) (2015)
 Member, Scientific Advisory Board (SAB) of the Netherlands Centre for One Health (NCOH), Wageningen, The Netherlands (2017 -)

Grants (Selected):

NSF summer fellowship for high school chemistry or physics teachers (1970).

NIH, NIAID, National Research Service Award for postdoctoral training (1976-1979).

USDA, CSRS competitive grant to JK Lunney, V Pursel, R Wall to study "Enhancement of disease resistance in genetically engineered swine" (1985-88).

ARS Research Associate Postdoctoral fellowship Awards to JK Lunney (1986; 1989; 2006).

National Pork Producers Council (NPPC) grant to JK Lunney, LS Mansfield, JF Urban, for "Production of a new tool to assess effective swine disease responses" (1993-4).

USDA, CSRS grant to JK Lunney, C Louis "Production and use of a swine chromosome 6 genomic library" (1993-6); renewal C Louis, JK Lunney for "Development ... QTL on swine chromosome 6" (1995-7).

NPPC grant #1679 to JK Lunney, JP Dubey for *Toxoplasma gondii* studies (1996-7); #00-132 to J.K. Lunney (2000-1); National Pork Board (NPB) grant #01-085 to JK Lunney (2001-02); #02-101 (2002-03).

Biotechnology Research and Devel. Corp. grant to JK Lunney, G Solano-Aguilar, JF Urban, DS Zarlenga for "Cytokine ..." (1997-2001); to JK Lunney, F Zuckermann, UIL for "... vaccines in swine." (2001-03).

Pharmacia Animal Health (\$7,500) for "Cytokines and swine health" (1999-2004).

PIC USA grant to JK Lunney, G Solano-Aguilar (2000-01); continuation to JK Lunney (2001-03).

USDA CSREES NRI grant #2003-03569 to C Tuggle, R Geisert, J Lunney, D Nettleton, J Reecy, ISU, OK State, USDA BARC, "Identifying Molecular Genetic Mechanisms Controlling Pig Litter Size" (2003-06).

USDA NRI Coordinated Agricultural Project (CAP) grant #2003-05164: "Integrated Control and Elimination of PRRSV in the U.S." M Murtaugh, UMN, CAP Chair; J Lunney, BARC Cooperating Scientist (2003-07).

NPB grant "Expanding the immune toolkit ..." to J Lunney, J Butler, Univ. IA (2005-6); renewed (2006-10).

Pfizer Animal Health trust for "Development of vet vaccines for parasitic infections" to J. Lunney (2005-07)

USDA NIFA grant #2006-35204-16880 grant for "US Veterinary Immune Reagent Network" to C Baldwin, J Lunney, and others (2005-09) www.vetimm.org; Renewal #2010-65121-20649 approved (2010-14).

NPB grant #07-233 "PRRS Host Genetics Consortium" to RRR Rowland; JK Lunney; R Johnson; J Reecy (2007-08); renewals #09-208, #10-156 to RRRR; JKL, JR (2009-11); #12-061 to JKL; JR (2012-14).

USDA NIFA grant #2009-35205-05192 "Developing Predictive Models for ... Pigs with Superior Immune Response" CK Tuggle, S Bearson, V Honavar, M Wannemuehler, J Lunney, D Nettleton (2009-12).

NPB PRRS funded grant #09-244 "Development of... multiplex test to simultaneously detect immune proteins (cytokines) ... PRRSV infection" to J Christopher-Hennings, EA Nelson, JK Lunney, Y Fang (2009-11).

USDA-NIFA Award #2008-55620-19132 PRRS CAP2 subgrant "Characterization of host factors ... PRRS disease resistance and susceptibility" to JK Lunney, PI and 7 collaborators at 4 universities (2008-12).

US DHS interagency agreement to H Lillehoj, JK Lunney for reagents (2009-2010). USDA NIFA #2010-39559-21860 "... Immune Reagents ..." to C Baldwin, JK Lunney, B Wagner, Y Sang, J Butler (2010-13).

USDA NIFA AFRI grant #2010-65205-20433 "Identifying porcine genes and gene networks involved in effective response to PRRS virus ..." to JK Lunney, PI and 7 collaborators at 4 universities (2009-14).

NPB PRRS funded grant #09-244 "Comparison of early immune responses of pigs which are genetically PRRS resistant... (cytokine) multiplex assay" to JK Lunney, PI and 5 collaborators at 3 universities (2009-11).

Genome Alberta, Alberta Livestock Genomics Program #29 for "Canadian Component of the PRRS Host Genetics Consortium" to S Moore/G Plastow, JK Lunney, B Kemp (2010-14) with PigGen Canada match.

Genome Canada grant to G Plastow, J Harding, B Kemp and 15 coPIs on "Application of genomics to improving swine health and welfare" (2011-15).

USDA NIFA Translational Genomics grant to J Dekkers, J Lunney, 11 others on " Genetically Improving Resistance of Pigs to PRRS Virus Infection" (2013-17).

Korean Rural Development Administration (RDA) project J Lunney, and Hyunjong Kim (Swine Science Division) on "Improvement of pig production using PRRS-resistant gene marker" (2014-18).

NPB PRRS funded grant #14-223 Impact of host immunity and genetics on persistence of PRRS virus in tonsils" to JK Lunney, J Dekkers, J Reecy (2014-16).

NIFA AFRI grant #2014-05989 US-UK Collaborative Swine Immune Toolkit to JK Lunney, M Bailey; G, Renukaradhya; J Labresh; Y Sang; L Wooldridge (2015-17).

BIBLIOGRAPHY

1. Adams PB, Lunney J. 1970. Water for ASTM test C-225. Chemical durability of glass bottles. *Am. Ceramic Soc. Bull.* 49:543-548.
2. Lunney J, Chrambach A, Rodbard D. 1971. Factors affecting resolution, band width, number of theoretical plates, and apparent diffusion coefficients in polyacrylamide gel electrophoresis. *Anal. Biochem.* 40:158-173.
3. Chrambach A, Hearing E, Lunney J, Rodbard D. 1972. Experimental validation of the predicted properties of a multiphase buffer system applied to polyacrylamide gel electrophoresis. *Separ. Sci.* 7:725-745.
4. Lunney J, Ashwell G. 1974. The effects of phospholipase on the binding of asialoglycoproteins by rat liver plasma membranes. *Biochem. Biophys. Acta.* 367:304-315.
5. Lunney JK. 1976. Studies on the regulation of serum glycoprotein homeostasis. (Ph.D. Thesis, The Johns Hopkins University).
6. Lunney J, Ashwell G. 1976. A hepatic receptor of avian origin capable of binding specifically modified glycoproteins. *Proc. Natl. Acad. Sci. USA* 73:341-343.
7. Sachs DH, Humphrey GW, Lunney JK. 1977. Sharing of Ia antigens between species. I. Detection of Ia specificities shared by rats and mice. *J. Exp. Med.* 146:381-393.
8. Lunney J, Sachs DH. 1978. Transplantation in miniature swine. IV. Chemical characterization of MSLA and Ia-like antigens. *J. Immunol.* 120:607-612.
9. Schmitt-Verhulst AM, Pettinelli CB, Henkart PA, Lunney JK, Shearer GM. 1978. H-2-restricted cytotoxic effectors generated in vitro by the addition of trinitrophenyl-conjugated soluble proteins. *J. Exp. Med.* 147:352-368.
10. Shinohara N, Lunney J, Sachs DH. 1978. Sharing of Ia antigens between species. II. Molecular localization of shared Ia determinants implies the existence of more than one I sublocus of the rat MHC. *J. Immunol.* 121:637-640.
11. Lunney J, Sachs DH. 1979. Transplantation in miniature swine. V. Characterization of Ia antigens. *J. Immunol.* 122:623-627.
12. White D, Lunney J. 1979. Transplantation in pigs. *Transplant. Proc.* XI:1170-1173.
13. Lunney JK, Mann DL, Sachs DH. 1979. Sharing of Ia antigens between species. III. Ia specificities shared between mice and human beings. *Scand. J. Immunol.* 10:403-415.
14. Sachs DH, El-Gamil M, Kizskiss P, Lunney JK, Mann DL, Ozato K, Shinohara N. 1979. Ia antigen cross-reactions between species. In Bach F, Bonavida R, Vitetta E, Fox CG (Eds.) *T and B Lymphocytes Recognition and Function XVI*, New York, Academic Press. pp. 563-571.
15. Ozato K, Lunney JK, El-Gamil M, Sachs DH. 1980. Evidence for the absence of I-E/C antigen expression on the cell surface in mice of the H-2b or H-2s haplotypes. *J. Immunol.* 125:940-945.
16. Johnson HJ, Lunney JK, Sachs DH, Flye MW. 1980. Preparation and characterization of an antiserum specific for T cells of pigs. *Transplantation.* 29: 477-483.
17. Pennington LR, Lunney JK, Sachs DH. 1981. Transplantation in miniature swine. VIII. Recombination within the major histocompatibility complex of miniature swine. *Transplantation.* 31: 66-71.
18. Metzger JJ, Gilliland GL, Lunney JK, Osborne BA, Rudikoff S, Sachs DH. 1981. Transplantation in miniature swine. IX. Swine histocompatibility antigens: Isolation and purification of papain-solubilized SLA antigens. *J. Immunol.* 127: 769-775.
19. Metzger JJ, Lunney JK, Sachs DH, Rudikoff S. 1982. Transplantation in miniature swine. XII. N-terminal sequences of Class I histocompatibility antigens (SLA) and beta₂-microglobulin. *J. Immunol.* 129: 716-721.
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21. Lunney JK, Osborne BA, Devaux C, Pierres M, Sachs DH. 1983. Interspecies cross-reactivity of monoclonal anti-I-E antibodies specific for polymorphic Ia determinants. In Pierce C et al. (Eds.) *Ir Gene: Past, Present and Future*, Clifton, NJ, The Humana Press, Inc. pp. 57-61.

22. Lunney JK, Osborne BA, Devaux C, Pierres M, Sachs DH. 1983. Interspecies cross-reactivity of monoclonal antibodies directed against polymorphic mouse Ia determinants. *Transplant. Proc.* 15: 139-141.
23. Thistlethwaite JR Jr, Auchincloss H Jr, Lunney JK, Pennington LR, Pescovitz MD, Sachs DH. 1983. Transplantation in miniature swine. In vitro testing and renal allograft survival in SLA-D matched swine. *Transplant. Proc.* 15: 152-155.
24. Lunney JK, Osborne BA, Sharrow SO, Devaux C, Pierres M, Sachs DH. 1983. Sharing of Ia antigens between species. IV. Interspecies cross reactivity of monoclonal antibodies directed against polymorphic, mouse Ia determinants. *J. Immunol.* 130: 2786-2793.
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26. Pescovitz MD, Sachs DH, Lunney JK, Hsu SM. 1984. Localization of class II MHC antigens on porcine renal vascular endothelium. *Transplantation.* 37: 627-631.
27. Pescovitz MD, Lunney JK, Sachs DH. 1984. Preparation and characterization of monoclonal antibodies reactive with porcine PBL. *J. Immunol.* 133: 368-375.
28. Lunney JK. 1984. Use of monoclonal antibodies for the analysis of immune responses in swine. In Stern NJ, Gamble HR (Eds.) *Hybridoma Technology in Agricultural and Veterinary Research.* Rowman & Allanheld, Totowa, NJ. pp. 298-301.
29. Pescovitz MD, Lunney JK, Sachs DH. 1985. Murine anti-swine T4 and T8 monoclonal antibodies: Distribution and effects on proliferative and cytotoxic T cells. *J. Immunol.* 134: 37-44.
30. Pescovitz MD, Popitz F, Sachs DH, Lunney JK. 1985. Expression of Ia antigens on resting porcine T cells: A marker of functional T cells subsets. In: JW Streilein et al. (Eds.) *Advances in Gene Technology: Molecular Biology of the Immune System.* ICSU Press. pp. 271-272.
31. Epstein SE, Lunney JK. 1985. A cell surface ELISA assay in the mouse using only poly-L-lysine as a fixative. *J. Immunol. Meth.* 76: 63-72.
32. Lunney JK, Urban JF Jr, Johnson LA. 1986. Protective immunity to *Ascaris suum*: Analysis of swine peripheral blood cell subsets using monoclonal antibodies and flow cytometry. *Vet. Parasitol.* 20: 117-131.
33. Lunney JK. 1986. Genetic control of host resistance to diseases. In Augustine PA, Danforth H, Bakst MR (Eds.) *Beltsville Symposium in Agricultural Research X. Biotechnology for Solving Agricultural Problems.* Martinus Nijhoff, Dordrecht, Netherlands. pp. 285-297.
34. Lunney JK, Pescovitz MP, Sachs DH. 1986. The Swine Major histocompatibility Complex: Its structure and Function. In Tumbleson ME (Ed.) *Swine in Biomedical Research.* Plenum Press, NY. Vol. 3, pp. 1821-36.
35. Lunney JK, Pescovitz MD. 1987. Phenotypic and functional characterization of pig lymphocyte populations. *Vet. Immunol. Immunopath.* 17: 135-144.
36. Ivanoska D, Cuperlovic K, Lunney JK. 1987. Analysis of peripheral blood subpopulations of Yugoslav meat breed swine using monoclonal antibodies. *Acta Veterinaria.* 37: 263-274.
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39. Quinones RR, Lunney JK, Gress RE. 1988. An anti-human-T-cell monoclonal antibody with specificity for a novel determinant. *Transplantation.* 46: 143-150.
40. Lunney JK, Murrell KD. 1988. Immunogenetic analysis of *Trichinella spiralis* infection in swine. *Vet. Parasitology,* 29: 179-199.
41. Lunney JK, Sun DC, Ivanoska D, Pescovitz MD, Davis WC. 1988. SLA monoclonal antibodies. In C Warner, M Rothschild, S Lamont, (Eds.) *The Molecular Biology of the Major Histocompatibility Complex of Domestic Animal Species.* ISU Press, Ames, IA. pp. 97-119.
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50. Ivanoska D, Sun DC, Lunney JK. 1991. Production of monoclonal antibodies reactive with polymorphic and monomorphic determinants of SLA class I gene products. Immunogenetics. 33:220-223.
51. Lunney JK. 1990. Use of SLA inbred swine (NIH minipigs) to analyze genetic control of swine immune responses. In O Barta (Ed.) MHC, Differentiation Antigens and Cytokines in Animals and Birds. BAR-LAB, Inc. p. 27-35.
52. Bala S, Failla M, Lunney J. 1990. Phenotypic and functional alterations in peripheral blood mononuclear cells of copper deficient rats. Ann. NY Acad. Sci. 587: 283-285.
53. Cuperlovic K, Ivanoska D, Sofronic-Milosavljevic LJ, Murrell KD, Lunney JK, Gamble HR. 1990. Hybridoma technology in studies of trichinellosis. Giornale di Malattie Infettive e Parassitarie. 42: 616-618.
54. Canals A, Mendoza C, Lunney JK. 1991. Complejo Principal de Histocompatibilidad. Porcis. 2:27-35.
55. Bala S, Failla ML, Lunney JK. 1991. Alterations in splenic lymphoid cell subsets and activation antigens in copper-deficient rats. J. Nutr. 12: 745-753.
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58. Sundt III TM, LeGuern C, Germana S, Smith CV, Nakajima K, Lunney JK, Sachs DH. 1992. Characterization of polymorphism of CD4 in miniature swine. J. Immunol. 148: 3195-3201.
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