

CURRICULUM VITAE

PERSONAL DATA

Name: Andrea A. Zachary
Birth Date: September 25, 1946
Place of Birth: Cleveland, Ohio

EDUCATION and HONORS

B.S.	1967	The Ohio State University	Columbus, Ohio
M.S.	1969	The Ohio State University	Columbus, Ohio
Ph.D.	1982	Case Western Reserve University	Cleveland, Ohio

Mirrors The Ohio State University
National Sophomore Women's Honorary
Arbor Vitae The Ohio State University Campus Honorary
Alpha Epsilon Data National Pre-Medicine Honorary
Sigma Xi National Science Honorary
Who's Who in American Women
Who's Who in American Men and Women of Science
American Society of Transplant Physicians, Outstanding Poster Award, 1998
American Society for Histocompatibility and Immunogenetics,
Distinguished Service Award, 2000
The Ohio State University, Alumni Association, Professional Achievement Award, 2001

CERTIFICATION

Diplomate, American Board of Histocompatibility and Immunogenetics
Certificate number 054; issued, August 1, 1996.

SCIENTIFIC and ACADEMIC POSITIONS

2004- Professor, Department of Medicine
The Johns Hopkins University School of Medicine, Baltimore, MD

2002- McKusick-Nathans Institute of Genetic Medicine
Affiliate Member

1994- Director, Immunogenetics Laboratory
The Johns Hopkins University School of Medicine, Baltimore, MD

1994-2004 Associate Professor, Department of Medicine

The Johns Hopkins School of Medicine, Baltimore, MD

1991-1994 Chief, Transplantation Section
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD

1991-1994 Lecturer in Medicine
The Johns Hopkins University School of Medicine, Baltimore, MD

1990-1991 Adjunct Assistant Professor
Case Western Reserve University, Cleveland, OH

1982-1991 Director, Histocompatibility and Immunogenetics Laboratory
Cleveland Clinic Foundation, Cleveland, OH

1981-1982 Project Scientist, Histocompatibility and Immunogenetics Laboratory
Cleveland Clinic Foundation, Cleveland, OH

1974-1981 Supervisor, Histocompatibility and Immunogenetics Laboratory
Cleveland Clinic Foundation, Cleveland, OH

1971-1974 Senior Technologist, Histocompatibility and Immunogenetics Laboratory
Cleveland Clinic Foundation, Cleveland, OH

1970-1971 Technologist, Blood Bank
Cleveland Clinic Foundation, Cleveland, OH

1969-1970 Research Assistant, College of Dentistry
The Ohio State University, Columbus, OH

1967-1969 Graduate Teaching Assistant, College of Cellular and Molecular Biology
The Ohio State University, Columbus, OH

SCIENTIFIC and PROFESSIONAL ORGANIZATIONS HELD

American Association for the Advancement of Science

American Association of Immunologists

American Society for Histocompatibility and Immunogenetics

President, 1990-1991

President-Elect, 1989-1990

Vice President, 1988-1989

Councilor at Large, 1977-1978 and 1983-1986

American Society of Human Genetics

American Society of Transplantation(Previously, Am. Soc. Of Transplant Physicians)

Genetics Society of America
International Transplantation Society
New York Academy of Sciences
Transplant Society of Northeast Ohio

BOARD and COMMITTEES

American Board of Histocompatibility and Immunogenetics
Doctoral Certification Committee: 1993-1996, 2003-2004

American Board of Transplant Coordinators
Expert Advisory Committee: 1988-1989

American Society for Histocompatibility and Immunogenetics
Accreditation Committee:
Chair, 1986-1988
Ex-officio, 1988-1990
Deputy Chair, 1995-1996
Advisory Board, 1996-1998, 2000-2002
Program Director, 1998-1999
Education Committee: 2001-2004
Education Program Faculty 1977-1983, 1985, 1988-1993, 1995-1998, 2000,2008
National Affairs Committee: Chair, 1990-1991; Member, 1987-1991, 1994-1995
Program Committee: Chair, 1991-1992; Member 1995-1996
Publications Committee: Co-Editor, Laboratory Manual, 1981, 1990
Chair, Laboratory Manual Subcommittee, 1987-1990

Public Policy Committee: 2000-
Task Force on Specialist Certification: 1983-1984
Technical Affairs Committee: Chair, 1982-1984
American Society of Transplantation
Education Committee: 2005-present
Scientific Studies Committee: 1993-1997
Program Committee: 1997-1999
Task Force on Organ Allocation: 2001

Health Resources and Services Administration, Division of Organ Transplantation
Ad Hoc Consultant: 1993

LifeBanc, Inc.: Medical Advisory Board, 1986-1990

International HLA Councillor

NIH, National Institute of Allergy and Infectious Diseases
Serum Bank Advisory Committee: 1974-1981

Ad Hoc Consultant: 1985-1986, 1995
Transplant Research Coordinating Committee: coordinator, 1991-1994
Training Program Advisory Committee: 1993-1994
Council News Editorial Board: 1993-1994

Living Legacy Foundation of Maryland(formerly Transplant Resource Center Of MD)
Organ Sharing Advisory Committee: 1994-1997
Board of Trustees: 2000-2006
Clinical Advisory: Board 2006-

NIH, Office of Research on Women's Health
Grant Review Committee: 1993-1994

SouthEastern Organ Procurement Foundation
Contract Reviewer: 1984, 1986
Specialist Course in Histocompatibility Testing
Course Faculty: 1983-
Program Faculty: 1983-

Surgeons General's Workshop
Session Co-Chair: 1991
Expert Advisory Committee: 1991

United Network for Organ Sharing
Ad Hoc Committee for Development of a National Allocation Plan: 1994-1995
Board of Directors: 1987-1988, 1991-1992
Consultant to Task Force for National List Feasibility Study: 1992
Ethics Committee: 1989-1991
Histocompatibility Committee: 1985-1989, 1992-1993
Standards Subcommittee: 1989-1990
Reference Laboratory: 1988-1989
Subcommittee on HLA Matching: 1995-1996
Transportation Committee: 1988-1989

INVITED PRESENTATIONS

- 1 Serum Screening
American Association of Clinical Histocompatibility Testing, Annual Meeting
Boston, MA, June 19, 1978
- 2 Serum Screening
American Association of Clinical Histocompatibility Testing, Annual Meeting
San Diego, CA, May 3, 1979
- 3 Serum Screening
American Association of Clinical Histocompatibility Testing, Annual Meeting
St. Louis, MO, April 28, 1980
- 4 Serum Screening
American Association of Clinical Histocompatibility Testing, Annual Meeting
Orlando, FL, April 30, 1981
- 5 Serum Screening
SouthEastern Organ Procurement Foundation Tri-Annual Meeting
Cincinnati, OH, May 6, 1981
- 6 Probability of Transplantation
North American Transplant Coordinators Organization, Annual Meeting
Minneapolis, MN, August 24, 1984
- 7 Professional Standards in Histocompatibility Testing
Pittsburgh Conference on Transplantation
Pittsburgh, PA, May 9, 1987
- 8 Management of the Sensitized Patient
American Society of Transplant Physicians, Annual Meeting
Chicago, IL, June 1, 1988
- 9 ASHI Accreditation
American Society for Histocompatibility and Immunogenetics, Annual Meeting
San Francisco, CA, October 16, 1988
- 10 Keynote Address: HLA in the 90's
3rd Biennial Wichita Transplant Symposium
Wichita, KS, November 4, 1988
- 11 Technique and Application of B cell Crossmatches in Renal Transplantation
SouthEastern Organ Procurement Foundation
Savannah, GA, May 10, 1989

Invited Presentations

- 12 Application of Genetic Testing to Parentage Determination
Ohio Judicial College
Lorain, OH, May 25 and June 1, 1989
- 13 Recurrent Spontaneous Abortion
National Red Cross
Rockville, MD, June 14, 1989
- 14 Laboratory Quality Control
American Association of Blood Banks, Annual Meeting
New Orleans, LA, October 12, 1989
- 15 Histocompatibility Testing, Diagnostic Laboratory Immunology Course
American Academy of Allergy and Immunology
Baltimore, MD, May 25, 1990
- 16 DNA Testing for Paternity Determination
Ohio Society of Medical Technology, Annual Meeting
Independence, OH, April 26, 1990
- 17 Crossmatch Testing
American Society for Histocompatibility and Immunogenetics
Regional Education Program
Milwaukee, WI, May 17, 1990
- 18 Standards and Regulations Governing Histocompatibility Testing
American Society for Histocompatibility and Immunogenetics
Washington, DC, November 6, 1990
- 19 Laboratory Control
American Association of Blood Banks, Annual Meeting
Los Angeles, CA, November 11, 1990
- 20 Access to Transplantation
Division of Transplantation, Annual Meeting
Washington, DC, February 11, 1991
- 21 HLA Sensitization
Ohio Association of Blood Banks
Dayton, OH, May 3, 1991
- 22 Future Prospects for Transplantation
North American Transplant Coordinators Organization, Annual Meeting
Novo Scotia, Canada, August 15, 1991
- 23 Importance of the Crossmatch in Non-Renal Transplantation
SouthEastern Organ Procurement Foundation, Annual Meeting
Atlanta, GA, March 5, 1992
- 24 Is there Racial Bias in Transplantation?
Transplant: 2nd Annual NYU Post Graduate Course

Invited Presentations

- New York, NY, May 5, 1992
- 25 The Genetics of Race
The Third Annual Samuel L. Koontz Symposium
Washington, DC, March 30, 1993
 - 26 DNA-based HLA Typing
American Society of Transplant Physicians, Annual Meeting
Houston, TX, May 7, 1993
 - 27 Molecular Approach to HLA Typing
Association of Medical Laboratory Immunologists, Eighth Annual Meeting
Vail, Co, August 11, 1995
 - 28 Immunogenetics and the Unwanted Immune Response
Association of Medical Laboratory Immunologists, Eighth Annual Meeting
Vail, CO, August 11, 1995
 - 29 Laboratory Regulations
American Society for Histocompatibility and Immunogenetics, Annual Meeting
Dallas, TX, October 7, 1995
 - 30 Histocompatibility Testing
United Network for Organ Sharing, Region 2 Clinical Forum
Baltimore, MD, June 12, 1997
 - 31 Introduction to Statistics and Population Data
American Society for Histocompatibility and Immunogenetics, Annual Meeting
Atlanta, GA, October 16, 1997
 - 32 The Cost of Histocompatibility Testing
United Network for Organ Sharing 6th Annual Transplant Management Forum
San Antonio, TX, May 3, 1998
 - 33 Solid Phase Assays for Antibody Screening and Crossmatching
American Society for Histocompatibility and Immunogenetics
Regional Education Meeting, Salem, MA, May 18, 1998
 - 34 New Methods for Antibody Screening
American Society for Histocompatibility and Immunogenetics
Regional Education Program, Richmond, VA, June 4, 1998
 - 35 Who's Who in Accreditation
American Society for Histocompatibility and Immunogenetics
Regional Education Program, Allentown, PA, May 7, 1998

Invited Presentations

- 36 ELISA test for HLA-Specific Antibody
American Society for Histocompatibility and Immunogenetics
Regional Education Program, Providence, RI, May 7, 1999
- 37 Effect of Pre-Sensitization and Anti-HLA Antibodies
XVIIIth International Congress of The Transplantation Society
Rome, Italy, September 1, 2000
- 38 Molecular Basis for the Association of HLA Alleles with Immune Responses and Disease
Susceptibility: Implications of Limited Polymorphism Among the Yupik Eskimo
Grand Rounds, Yukon Kuskokwim Regional Hospital
Bethel, AK, November 14, 2000
- 39 HLA Specific Antibodies in Transplantation: New Information About an Old Enemy.
American Society for Histocompatibility and Immunogenetics and
American Association of Immunologists, Joint Symposium
Orlando, FL, April 1, 2001
- 40 Characterizing and Controlling the Humoral Response in Renal Transplantation
Association of Medical Laboratory Immunologists, Annual Meeting
San Diego, CA, August 18, 2001
- 41 Clinical Significance of HLA antibodies in Transplantation
17th Annual Advanced Technical Workshop, One Lambda
Cancun, Mexico, March 1, 2002
- 42 Effect of Plasmapheresis CytoGam7 Protocol on HLA-Specific Antibody
NIH, NIDDK Transplant Grand Rounds
Bethesda, MD, March 20, 2002
- 43 Relevance and Treatments of Antibodies in Transplantation
Duke University, Transplant Academia
Durham, NC, April 23, 2002
- 44 Update on the Relevance of Antibodies in Transplantation
Johns Hopkins University, Bayview, Department of Nephrology
Baltimore, MD, October 9, 2002
- 45 HLA Testing for the High Risk Patient
Transplanting the High Risk Patient
Orlando, FL, December 7, 2002
- 46 Antibodies in Transplantation: Relevance, Specificity, Treatment
Twelfth Annual Laboratory Symposium in Transplantation
University of Miami, School of Medicine
Miami, FL, January 18, 2003

Invited Presentations

- 47 Renal Transplantation with a Positive Crossmatch: No Longer the Forbidden Fruit
University of Pittsburgh, Grand Rounds, Department of Transplantation Surgery
Pittsburgh, PA, March 14, 2003
- 48 Anti-HLA Antibodies in Transplantation
American Society for Histocompatibility and Immunogenetics
Regional Education Workshop, Los Angeles, CA, April 11, 2003
- 49 The Positive Crossmatch: The Final Frontier
American Society for Histocompatibility and Immunogenetics
Regional Education Workshop, Atlantic City, NJ, May 1, 2003
- 50 Transplanting Patients with a Positive Crossmatch
American Society for Histocompatibility and Immunogenetics
Regional Education Workshop, Ann Arbor, MI, May 18, 2003
- 51 Antibodies in Transplantation: The Problems and The Solutions
Oregon Health & Science University, April 17, 2003
- 52 Snapping it Into Place: The Vital Role of Immunogenetics Testing/Monitoring. Continuing
Medical Education Seminars: Incompatible Transplantation: Solving the Puzzle: High
PRA, Positive Crossmatch, Paired Kidney Exchange, and ABO Incompatible Transplants.
Johns Hopkins School of Medicine, May 16, 2003
- 53 Donor-Specific Antibody Detection and Relevance of Low Levels of Class II-specific
Antibodies. Seventh Banff Conference on Allograft Pathology
Aberdeen, Scotland, June 15, 2003
- 54 Histocompatibility Testing for Incompatible Kidney Transplants. Video conference
presentation for MedImmune 6th Annual Kidney Pancreas Advisory Panel, Kohler, WI,
September 19, 2003
- 55 Desensitization Protocols: Clinical and Laboratory Aspects. Carolinas Medical Center
Transplant Program, Charleston, NC, November 17, 2003
- 56 Antibodies in Transplantation: The Problems and The Solutions. University of Minnesota
Transplant Program, Minneapolis, MN, March 10, 2004
- 57 Desensitization Protocols: The Laboratory's Role, SouthEastern Organ Procurement
Foundation 35th Anniversary Celebration Meeting, Richmond, VA, March 24, 2004
- 58 Laboratory Support for Desensitization Protocols
American Society of Transplantation Annual Meeting, Boston, MA, May 15, 2004
- 59 Antibodies in Transplantation: Something's Got to Give
Association of Medical Laboratory Immunologists Annual Meeting
Baltimore, MD, August 22, 2004
- 60 Desensitization Protocols: The Laboratory's Critical Role
American Society of Histocompatibility and Immunogenetics Annual Meeting
San Antonio, TX, October 3, 2004

Invited Presentations

- 61 Desensitization Protocols: Laboratory's Role
Hartford Hospital Transplant Program, Hartford, CT, October 20, 2004
- 62 Bringing Order to Chaos
Canadian Transplant Society Meeting, Banff, Canada, March 20, 2005
- 63 Algorithm for Prioritization of Sensitized Patients in Renal Allocation
Presentation to UNOS KARS Committee, Chicago, IL, March 10, 2005
- 64 Desensitization Protocols: Impact on Access and Success of Transplantation
American Society for Histocompatibility and Immunogenetics Regional Meeting
Philadelphia, PA, March 14, 2005
- 65 Desensitization Protocols: Impact on Access and Success of Transplantation
American Society for Histocompatibility and Immunogenetics Regional Meeting
New Orleans, LA, June 10, 2005
- 66 Making Sense of Desensitization
University of Nebraska Medical Center Transplant Program
Omaha, NE, June 22, 2005
- 67 Preventing and Treating AMR: The Role of the Histocompatibility Laboratory
University of Minnesota Immunosuppression Course
Minneapolis, MN, September 30, 2005
- 68 Desensitization: A Partnership with the Immune System
14th International Histocompatibility Workshop
Melbourne, Australia, November 30, 2005
- 69 Transplantation and the Highly Sensitized Patient
University of Cincinnati Grand Rounds, Cincinnati, OH, January 10, 2006
- 70 Desensitization Protocols: The Laboratory's Critical Role
Florida Hospital Medical Center Transplant Program, Orlando, FL
January 20, 2006
- 71 Relevance of Antibodies In Transplantation
Department of Surgery, Medical University of South Carolina, Charleston, SC
February 27, 2006
- 72 Desensitization Protocols: Impact on Access and Success of Transplantation
Department of Surgery, Medical University of South Carolina, Charleston, SC
February 28, 2006

Invited Presentations

- 73 Antibody Testing by Solid Phase Immunoassays
Department of Surgery, Fairfax Inova Hospital, Fairfax, VA
May 26, 2006
- 74 The Great Debate
ASHI 32nd Annual Scientific Meeting, San Diego, CA
October 20, 2006
- 75 Science: Arrogance, Attentiveness, and Aspirations
Keynote Address, Invitrogen Innovative Awards Banquet, San Diego, CA
January 3, 2007
- 76 Desensitization Protocols: The Laboratory's Critical Role
One Lambda Technical Workshop
Cancun, Mexico, March 10, 2007
- 77 Monitoring Donor Specific Antibody During and after Desensitization
Symposium on Overcoming the Barrier of Immune Memory
American Transplant Congress, San Francisco, CA, May 5, 2007
- 78 HLA Specific B Cells
Johns Hopkins CTC CME Series, Baltimore, MD, May 16, 2007
- 79 MHC Biosynthesis: Antigen Presentation and Mechanisms of Viral Evasion
INDRE- Department of Immunogenetics
Mexico City, Mexico, July 30, 2007
- 80 Interference in Laboratory Assays: Causes and Solutions
INDRE- Department of Immunogenetics
Mexico City, Mexico, August 1, 2007
- 81 Desensitization Protocols and the Fate of DSA
INDRE- Department of Immunogenetics
Mexico City, Mexico, August 2, 2007
- 82 Outcomes of Incompatible Kidney Transplants
INDRE- Department of Immunogenetics
Mexico City, Mexico, August 2, 2007
- 83 104 Histocompatibility Testing for Renal Transplantation
UNOS Region 2 Forum
Baltimore, MD, November 9, 2007
- 84 HLA Mismatches: Impact on Sensitization
One Lambda User's Group Meeting
Honolulu, HI, February 25, 2008
- 85 Post-Transplant Antibody Monitoring
Joint Histocompatibility Conference of ASHI, AST, ASTS, and UNOS
Chicago, IL, March 2, 2008
- 86 Monitoring Antibodies for Transplantation
Federation of Clinical Immunology Societies Annual Meeting

Invited Presentations

- Boston, MA, April 5, 2008
- 87 Genetics and Statistics
AFDT Histocompatibility Specialists' Course
Palm Springs, CA, June 21, 2008
- 88 MHC Genetics
AFDT Histocompatibility Specialists' Course
Palm Springs, CA, June 22, 2008
- 89 Overview of the 15th International Histocompatibility Workshop
AFDT Histocompatibility Specialists' Course
Palm Springs, CA, June 23, 2008
- 90 Solid Phase Immunoassays
AFDT Histocompatibility Specialists' Course
Palm Springs, CA, June 26, 2008
- 91 Incompatibility: Making it History
AFDT Histocompatibility Specialists' Course
Palm Springs, CA, June 27, 2008
- 92 Antigen Presentation and Mechanisms of Viral Evasion
INDRE- Department of Immunogenetics
Mexico City, Mexico, July 28, 2008
- 93 Solid Phase Immunoassays
INDRE- Department of Immunogenetics
Mexico City, Mexico, July 30, 2008
- 94 Interference in Laboratory Assays: Causes and Solutions
INDRE- Department of Immunogenetics
Mexico City, Mexico, July 30, 2008
- 95 Desensitization Protocols and the Fate of DSA
INDRE- Department of Immunogenetics
Mexico City, Mexico, July 30 2008
- 96 Case Study
Congress of the International Transplant Society
Post-Graduate Program
Sydney, Australia, August 9, 2008
- 97 Impact of Persistent DSA
Congress of the International Transplant Society
Post-Graduate Program
Sydney, Australia, August 9, 2008
- 98 Monitoring Desensitization on the Luminex Platform Clinical Aspects
Congress of the International Transplant Society
Early Morning Workshop
Sydney, Australia, August 11, 2008

Invited Presentations cont.

- 99 Antibody Monitoring by Solid Phase Assays Clinical Relevance
Congress of the International Transplant Society
Symposium On Antibodies in Transplantation
Sydney, Australia, August 14, 2008
- 100 Population Genetics
International Summer School of Immunogenetics
Buzios, Brazil, September 13, 2008
- 101 Dealing With Unusual Antibody Findings
Annual Meeting of The Brazilian Histocompatibility Society
Buzios, Brazil, September 15, 2008
- 102 Utility of Solid Phase Antibody Assays
15th International Histocompatibility Workshop
Symposium on Antibodies in Transplantation
Rio de Janeiro, Brazil, September 18, 2008
- 103 Determination of Frequencies of Different Antibody Specificities
and Characterization of Immunogenicity of Different HLA Antigens
Report to the 15th International Histocompatibility Workshop Conference
Rio de Janeiro, Brazil, September 18, 2008
- 104 Antibody Frequencies: What Can They Tell Us
Luncheon Symposium
15th International Histocompatibility Workshop Conference
Rio de Janeiro, Brazil, September 19, 2008

PUBLISHED ARTICLES

- 1 **Zachary AA**: Ribosome-induced cell-mediated immunity to experimental salmonellosis in mice. A thesis. The Ohio State University, 1969.
- 2 Braun WE, Straffon RA, Nakamoto, SW, Popowniak KL, Gifford RW, Kuruvila C, and **Zachary AA**: Mismatched HLA haplotypes with antigens HLA-A1, 3 and 11 associated with excellent renal allograft function. *Transplantation* 15: 86-91, 1973.
- 3 Braun WE, Strimlan CV, Negron AG, Straffon RA, **Zachary AA**, Bartee SL, and Grecek DR: The association of w17 with familial renal cell carcinoma. *Tissue Antigens* 6: 10 1-4, 1975.
- 4 Braun WE, Frank S, and **Zachary AA**: HLA-Bw42. Proc. 1st HLA Workshop of Americas, Los Angeles, California, DHEW Publ. (NIH) 76-1064, 1976.
- 5 Dausset J, Entwistle C, Fong R, Goldman S, Lundy G, Naito S, Toyoda K, and **Zachary AA**: Bw22. Joint Report. In, Histocompatibility Testing 1977; Bodmer WF, Batchelor JR, Bodmer JG, Festenstein H, Morris PJ, eds. 177-178. 1977.
- 6 Khan MA, Kushner I, Braun WE, **Zachary AA**, and Steinberg AG: HLA-B27 homozygosity in ankylosing spondylitis: Relationship to risk and severity. *Tissue Antigens* 11: 434-8, 1978.
- 7 Braun WE, Jayavant M, DeJelo C, **Zachary AA**, Novick A, Santos N, and Williams T: MLC, PHA, HLA and DRw studies in renal allografting. *Transplantation Proceedings* 11: 1911-3, 1979.
- 8 **Zachary AA** and Braun WE: HLA Bw47. In, Histocompatibility Testing 1980; Terasaki PI, ed.; pp. 404-8. UCLA Tissue Typing Laboratory, LA, 1980.
- 9 **Zachary AA**, Murphy NB, and Braun WE: A new C locus antigen in linkage disequilibrium with B14. In, Histocompatibility Testing 1980; Terasaki PI, ed.; pp. 788. UCLA Tissue Typing Laboratory, LA 1980.
- 10 **Zachary AA**: An immunogenetic study of the equine leukocyte antigen (ELA) system. A thesis. Case Western Reserve University, 1982.
- 11 Braun WE, Novick AC, Steinmuller DR, Jayavant S, Mogor J, Williams T, DeJelo C, Murphy N, **Zachary AA**, Protiva D, and Buszta C: Optimization of living-related renal transplantation success through HLA genotyping, MLC stimulation cutoffs, and donor-specific blood transfusions. *Cleveland Clinic Quarterly* 49: 79-85, 1982.
- 12 **Zachary AA**: Serologic testing in the International Workshop, AACHTion News 6: 8-10, 1982.
- 13 Steinberg AG, Giblett ER, Lewis M, and **Zachary AA**: A crossover or mutation in the Rh region revisited. *American Journal of Human Genetics* 36: 700-3, 1984.

Published Articles

- 14 Braun WE, Gandini E, **Zachary AA**, Murphy N, Cappelacci S, Carminati G, and Ferrara GB: Antigen report: HLA-B18. In, Histocompatibility Testing 1984; Albert ED, Baur MP, Mayr WR, eds.; pp. 143. Springer-Verlag, Berlin, 1984.
- 15 Braun WE, **Zachary AA**, Novick AC, Steinmuller DR, Cunningham RH, Stream SB, Buszta C, and Protiva D: Humoral and cellular response to donor-specific transfusions. *Transplantation Proceedings* 17: 1061-5, 1985.
- 16 **Zachary AA** and Braun WE: Calculation of a predictive value for transplantation. *Transplantation* 39: 316-8, 1985.
- 17 Dejelo CL, Braun WE, **Zachary AA**, Smerglia A, and Clark L: A monoclonal antibody detecting a possible public specificity of the HLA-C locus. *Tissue Antigens* 28: 57-62, 1986.
- 18 Casilio-Lonardo E, **Zachary AA** and Klinger KW: Extraction of DNA from solid tissue. *Journal of Clinical Laboratory Analysis* 1: 46, 1987.
- 19 Hodge E, Novick A, Lewis R, Steinmuller D, Stream S, Cunningham R, Braun WE, **Zachary AA**, and Protiva D: Results of transplantation with remote-positive proximate negative T-cell antiglobulin crossmatches. *Transplantation Proceedings* 19: 789-91, 1987.
- 20 Kramer RE, Dinner DS, Braun WE, **Zachary AA**, and Teresi GA: HLA DR-2 and narcolepsy. *Archives of Neurology* 44:853-5, 1987.
- 21 Ziegelbaum M, Thomas A, and **Zachary AA**: The association of Peyronie's Disease with HLA B7 cross-reactive antigens. A case report of identical twins. *The Cleveland Clinic Journal of Medicine* 54: 427-30, 1987.
- 22 Meisler DM, Zakov ZN, Braun WE, Hall GE, McMahon JT, **Zachary AA**, and Barna BP: Endophthalmitis associated with sequestered intraocular *Propionibacterium acnes*. *American Journal of Ophthalmology* 104: 428-9, 1987.
- 23 Chiewslip P, Sujrachato K, Mayr WR, Perrier P, Hasekura H, Ota M, Aizawa M, Wakisaka A, Ikeda H, Naito S, Akaza T, Jeannet M, **Zachary AA**, and Braun WE: Antigen society #16 report (Cw1, Cw3, Cw9, Cw10, Cw11). In, Immunobiology of HLA; Dupont B, ed.; v1: 217-22. Springer-Verlag, NY, 1987.
- 24 Segall M, Ando A, Badenhoop KWJ, Betuel H, Festenstein H, Gebuhrer I, Gorodezky C, Heard R, Lechler RI, Casilio-Lonardo E, Maeda M, Singal DP, Tokata H, and **Zachary AA**: Specificity analysis of DRA fragments in core cell lines. In, Immunobiology of HLA; Dupont B, ed.; v1: 885-6. Springer-Verlag, NY, 1987.
- 25 Segall M, Ando A, Badenhoop KWJ, Betuel H, Festenstein H, Gebuhrer I, Gorodezky C, Heard R, Lechler RI, Casilio-Lonardo E, Maeda M, Singal DP, Tokata H, and **Zachary AA**: Specificity analysis of DQA fragments in core cell lines. In, Immunobiology of HLA; Dupont B, ed.; v1:886-8. Springer-Verlag, NY, 1987.
- 26 McNamara C, Braun WE, **Zachary AA**, Klingman L, Stewart RW, Pippenger CE, Teresi GA,

- and Rincon G: Autolymphocytotoxins in cardiac transplantation: serology, significance and association with HLA-A1 and HLA-A3. In, *Immunobiology of HLA*; Dupont B, ed.; v2: 532-3. Springer-Verlag, NY, 1987.
- 27 **Zachary AA**: The antiglobulin crossmatch in the cyclosporine era (letter). *Transplantation* 44: 333-4, 1987.
- 28 Meyers SM and **Zachary AA**: Monozygotic twins with age-related macular degeneration. *Archives of Ophthalmology* 106: 651-3, 1988.
- 29 Braun WE, Klingman L, Stewart RW, Ratliff N, Tubbs R, **Zachary AA**, Teresi GA, Rincon G, and Protiva D: Two major serologic events in a successful cardiac transplant recipient-circumvention of hyper acute rejection despite a positive donor T lymphocyte crossmatch and late appearance of a probable anti-idiotypic antibody. *Transplantation* 46: 153-5, 1988.
- 30 Braun WE and **Zachary AA**: The HLA histocompatibility system in autoimmune states. *Clinics in Laboratory Medicine* 8: 351-72, 1988.
- 31 **Zachary AA**: Commentary on the Inspector General's Draft Report. *Journal of Transplant Coordination* 1: 58-59, 1991.
- 32 Tait BD, Naito S, Boyle A, et al: Antigen Society no. 105: HLA-B5, -B51, -B52, -B18, -B35, -B53. In, *HLA 1991*; Tsuji K, Aizawa M, and Sasazuki T, eds.; pp. 297-304. Oxford University Press, Oxford, 1992.
- 33 **Zachary AA**: Genetics of race. *Transplantation Proceedings* 25: 2397, 1993.
- 34 **Zachary AA**: Is there racial bias in transplantation. *Journal of National Medical Association* 85: 821-823, 1993.
- 35 **Zachary AA**, Braun WE, Hayes JM, McElroy JB, Novick AC, Schulak JA, and Sharp WV: Effect of HLA matching on organ distribution among Whites and African-Americans. *Transplantation* 57: 1115-19, 1994.
- 36 Leffell MS, Steinberg AG, Bias WB, Machan CH, and **Zachary AA**: Distribution of HLA antigens and phenotypes among donors and recipients in the UNOS registry. *Transplantation* 58: 1119-30, 1994.
- 37 Anasti JN, Adams S, Kimzey LM, Defensor RA, **Zachary AA**, and Nelson LM: Karyotypically normal spontaneous premature ovarian failure: evaluation of association with the class II major histocompatibility complex. *Journal of Clinical Endocrinology And Metabolism* 78: 722-3, 1994.
- 38 **Zachary AA**, Griffin J, Lucas DP, Hart JM, and Leffell MS: Evaluation of HLA antibodies with the PRA-STAT test: an ELISA assay using soluble HLA class I molecules. *Transplantation* 60: 1600-06, 1995.

- 39 **Zachary AA**, Klingman L, Thorne N, and Teresi GA: Variations of the lymphocytotoxicity test: an evaluation of sensitivity and specificity. *Transplantation* 60: 498-503, 1995.
- 40 **Zachary AA**, AG Steinberg, Bias WB, and Leffell MS: The frequencies of HLA alleles and haplotypes and their distribution among donors and renal patients in the UNOS registry. *Transplantation* 62: 272-83, 1996.
- 41 **Zachary AA**, Hart JM, Bartlett ST, Burdick J, Colombani P, Ratner LE, and Leffell MS: Local impact of 1995 changes in the renal transplant allocation system. *Transplantation* 63: 669-74, 1997.
- 42 Lucas DP, Paparounis ML, Myers L, Hart JM, and **Zachary AA**: Detection of HLA class I-specific antibodies by the QuikScreenJ enzyme-linked immunosorbent assay. *Clinical and Diagnostic Laboratory Immunology* 4: 252-57, 1997.
- 43 Leffell MS, Bennett LE, Ellison MD, and **Zachary AA**: Impact of changes in the UNOS renal allocation system. *Transplant. Proc.* 29: 3435-6, 1997.
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ABSTRACTS (2006-PRESENT)

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39. Vega R., Iglehart B., Callender C., Leffell M.S., Zachary A.A.: Laboratory Automation: Coming of Age. Poster presentation at the ASHI 34th Annual Meeting. October 28, 2008 Toronto, Canada
40. Rossiter N., Lucas D., Zachary A.A., Leffell M.S.: Association of Soluble CD30 Levels with IFN γ and TNF α Cytokine Polymorphisms. Oral presentation at the ASHI 34th Annual Meeting. October 29, 2008. Toronto, Canada