

Monica I. Ardura, DO

PERSONAL

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Place of birth: Elizabeth, NJ, USA

EDUCATION

Undergraduate

1989-1993 Ursinus College, Colledgeville, PA BS

Medical school

1993-1997 Philadelphia College of Osteopathic Medicine,
Philadelphia, PA DO

Other postgraduate education

1997-2000 Intern and Resident, Pediatrics
Penn State Geisinger Health System, Danville, PA

2000-2001 Chief Resident, Pediatrics and Medicine/Pediatrics
Staff, General Pediatrics
Penn State Geisinger Health System, Danville PA

2004-2007 Fellow, Pediatric Infectious Diseases
University of Texas Southwestern Medical Center, Dallas, TX

2007-2008 Post-Doctoral Research Fellow, Pediatric Infectious Diseases
University of Texas Southwestern Medical Center, Dallas, TX

2007-2010 Clinical Research Scholar, Department of Clinical Sciences
University of Texas Southwestern Medical Center, Dallas, TX

ACADEMIC APPOINTMENTS

2008-2009 Instructor, Clinical Scholar Track, Department of Pediatrics
University of Texas Southwestern Medical Center, Dallas, TX

2009-2011 Assistant Professor
Clinical Scholar Track (09-10), Clinical Track (10-present),
Department of Pediatrics, Division of Infectious Disease
University of Texas Southwestern Medical Center, Dallas, TX

2011- present Assistant Professor of Clinical Pediatrics

Department of Pediatrics, Section of Infectious Disease
The Ohio State University & Nationwide Children's Hospital Columbus, OH

CLINICAL ACTIVITIES

- 2008-2011 Pediatric Infectious Disease Physician, Children's Medical Center Dallas
90% dedicated clinical time: Immunocompromised Host ID and General ID Services, 10% research and education
- 2008-2011 Children's Medical Center Dallas, Infection Control Committee
- 2009-2011 Infectious Disease Clinical Team Leader for Oncology/HSCT and Solid Organ Transplantation
- 2010-2011 Children's Medical Center Dallas, Antimicrobial Stewardship Committee
- 2011-present Pediatric Infectious Disease Physician, Nationwide Children's Hospital

HOSPITAL OR AFFILIATED INSTITUTIONAL APPOINTMENTS

- 2000-2001 Janet Weiss Children's Hospital
Penn State Geisinger Health System, Danville, PA
- 2001-2004 Mercy Regional Hospital, Laredo TX
Doctor's Hospital of Laredo, Laredo TX
- 2008-2011 University of Texas Southwestern Health System
Children's Medical Center Dallas, Dallas, TX
Saint Paul Medical Center, Dallas, TX
Parkland Health System, Dallas, TX
- 2011-present The Ohio State University, Columbus, OH
Nationwide Children's Hospital, Columbus, OH

OTHER PROFESSIONAL ACTIVITIES OR POSITIONS

- 2001-2004 National Health Service Corps Scholar
Gateway Community Health Center 'La Clinica', Laredo, TX
- 2011-present Pediatric Infectious Disease Society, Antimicrobial Stewardship Committee, Special Populations Subcommittee

MAJOR HONORS AND AWARDS

- 1989-1993 Freeland Scholar, Ursinus College
- 1989-1993 National Hispanic Scholar
- 1993 Scholar Award, NJ Association of Osteopathic Physicians
- 1994-1997 Scholar, National Health Service Corps
- 1999 Outstanding Resident Award, American Osteopathic Foundation
- 2000 Resident of the Year, American College of Osteopathic Physicians
- 2001 Service Award, Penn State Geisinger Health System
- 2006 Jonathan Freeman Scholarship, Society for Healthcare Epidemiology of America
- 2006 Young Investigator Travel Award, Society for Pediatric Research/PAS

- 2006 ID Fellow Travel Grant Award, ICAAC
 2006 Research Travel Grant Award, Infectious Disease Society of America

PROFESSIONAL ACCREDITATION AND LICENSES

- 2000-2015 Certified Diplomat, American Board of Pediatrics: General Pediatrics
 2007-2014 Certified Diplomat, American Board of Pediatrics: Infectious Diseases
 2001-2013 Texas Medical Board, License #L2107, expiration 2/28/13
 2001-present DEA License, expiration 6/30/14
 2001-2012 Texas DPS License, expiration 1/31/12
 2011-present State Medical Board of Ohio, License #010250, expiration 7/1/13

PROFESSIONAL SOCIETIES

- American Academy of Pediatrics, Fellow (FAAP)
 Pediatric Infectious Disease Society (PIDS)
 Infectious Disease Society of America, Fellow (FIDSA)
 American Society for Microbiology (ASM)
 The Society for Healthcare Epidemiology of America (SHEA)
 Immunocompromised Host Society

EDITORIAL RESPONSIBILITIES

- 2006 Reviewer, Pediatric Infectious Disease Journal
 2008 Reviewer, Journal of Pediatric Hematology/Oncology
 2009 Reviewer, Clinical Infectious Diseases
 2010 Reviewer, Pediatric Blood & Cancer
 2010 Reviewer, Pediatric Transplantation
 2010 Reviewer, Pediatric Nephrology

EDUCATIONAL ACTIVITIES AND RESPONSIBILITIES

- 2006-2011 Medical Microbiology Clinical Conferences, Group Leader, Medical Students II, University of Texas Southwestern Medical Center, Dallas, TX
 2010 Clinical Case Conferences: Infections in Pediatric Oncology Patients
 Children's Medical Center, Dallas, TX
 2010 Infection Prevention in the Immunocompromised Pediatric Patient,
 International Infection Prevention Conference, Children's Medical Center
 Dallas, TX
 2011 EBV-Driven PTLD in SOT: Continued Challenges
 Solid Organ Transplantation Educational Conferences, Children's Medical
 Center, Dallas, TX

ONGOING CLINICAL RESEARCH

Investigator-initiated research: "Immunogenicity of Trivalent Influenza Vaccine in Children with Hematologic Malignancies Receiving Chemotherapy." Nationwide Children's Hospital, Role: PI (2011-present)

Submitted, funding pending: NAI113678 "An open-label, multi-center, single-arm study to evaluate the safety and tolerability of intravenous zanamivir in the treatment of hospitalized adult, adolescent and pediatric subjects with confirmed influenza infection." GSK. Role: Site PI (2011-present)

COMPLETED RESEARCH

ADMA-001 "A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Dose-Ranging Trial Evaluation the Safety and Efficacy of RI-001 in Medically Immunosuppressed Respiratory Syncytial Virus (RSV) Infected Patients at Risk for Lower Tract RSV Illness" Role: PI (2009-2011); Co-Investigator (2007-9; PI: O. Ramilo)

ISN 9463-CL-2101 "A Phase 1, Open-Label Study of the Safety and Pharmacokinetics of Repeated-Dose Micafungin (FK463) in Children (2-5 years and 6-11 years) and Adolescents (12-16 years) with Esophageal Candidiasis or Other Invasive Candidiasis"; Funded: Astellas. Site PI: Pablo Sanchez, MD. Role: Local Site Sub-Investigator (2009-2011)

ISN 9463-CL-2102 "A Phase 1, Open-Label Study of the Safety and Pharmacokinetics of Repeated-Dose Micafungin (FK463) in Infants and Toddlers (≥ 4 months to <24 months of age) with Esophageal Candidiasis or Other Invasive Candidiasis"; Funded: Astellas. Site PI: Pablo Sanchez, MD. Role: Local Site Sub-Investigator. (2009-2011)

MI-CP141 "A Phase 2, Randomized, Double-blind, Placebo-controlled Study to Evaluate a Single Intravenous Dose Motavizumab for the Treatment of Hospitalized Children with RSV Illness"; Funded by MedImmune. PI: O Ramilo and P Sanchez. Role: Co-Investigator (2007-2010)

"Fluconazole Prophylaxis for Prevention of Candidiasis in Infants < 750 gm Birthweight"; Duke University, PI: D Benjamin; Role: Site SubInvestigator (2008-2011)

A1501095 "A Prospective, Randomized Trial Comparing the Safety, Tolerability, and Efficacy of Voriconazole and Anidulafungin in Combination to that of Voriconazole Alone when Used for Primary Therapy of Invasive Aspergillosis in Pediatric Subjects Aged 2-17 Years"; Funding/Contract pending: Pfizer. Role: Site PI (2010-11)

CMX001-350 "Randomized, Placebo-Controlled, Multi-Site Phase 2 Study Evaluating the Safety and Efficacy of Preemptive Treatment with CMX001 for the Prevention of Adenovirus Disease Following Hematopoietic Stem Cell Transplantation (the ADV HALT Trial)"; Funding/Contract: Chimerix. PI: V Aquino, Role: Site Sub-Investigator (2010-11)

CMX001-350 Expanded Access "A Multicenter, Open-label Study of CMX001 Treatment of Serious Diseases or Conditions Caused by dsDNA Viruses"; Funding/Contract: Chimerix. Role: Site Co-PI (2010-11)

U19 AIO57234-02 "Biosignatures for Diagnosis of Biothreat"; Funded by NIAID (NIH) in cooperation with the Baylor Institute of Immunology Research. Overall PI: Jacques Banchereau, PhD; Project 3 "Microarray Analysis of the Host Pattern of Immune Response to Acute Infectious Pathogens", SubPI: Octavio Ramilo, MD. Role: Co-Investigator. (2005-

2009)

Project 0606.0 "Transcriptional Signatures for Diagnosis, Prognosis, and Assessment of Disease Severity in Bacterial Meningitis"; Funded by the Meningitis Research Foundation. PI: Octavio Ramilo, MD. Role: Co-Investigator, Clinical Leader. (2006-2009)

HRSA-EMSC TI "Application of Transcriptional Signatures for Diagnosis of Febrile Infants within the Pediatric Emergency Care Applied Research Network (PECARN)"; Funded by PECARN. PI: Octavio Ramilo, MD. Role: Co-investigator. (2007-2009).

CASG 114: "A Pharmacokinetic/Pharmacodynamic and Safety Evaluation of Oseltamivir (Tamiflu) for the Treatment of Children Less Than 24 Months of Age with Confirmed Influenza Infection"; Funded by Hoffman-LaRoche. PI: Richard Whitley, MD/ Children's Antiviral Study Group; Site PI: Pablo Sanchez, MD. Role: Local Site Sub-Investigator.

"Antimicrobial Therapy for Outpatient Management of Community-Associated Methicillin-resistant *S. aureus* Skin and Soft Tissue Infections in Children"; Non-funded; Role: PI (2008-2010)

0887X-101142 "Immunogenicity and Safety of pneumococcal conjugate vaccine in Immunocompromised Children with Cancer"; Funded: Wyeth Pharmaceuticals. Role: Sub-Investigator (2006-9).

"International Pediatric Fungal Network"; Sponsored and Funded by Duke University, Dr. W. Steinbach (Overall Study PI, 2007-2010); Role: Lead Site Investigator UTSW

BIBLIOGRAPHY

Peer-reviewed published manuscripts

1. Lopez-Medina E, **Ardura MI**, Siegel JD, Brock E, Sanchez PJ. "2009 Influenza A in Infants Hospitalized at Younger than 6 Months." *J Pediatr*, 2011 Nov 16 [Epub; PMID 22099687]
2. Cost C, Brock E, Adams-Huet B, Siegel JD, and **Ardura MI**. "2009 Pandemic Influenza A H1N1 virus infection in pediatric oncology and hematopoietic stem cell transplantation patients: Single Center Experience." *Ped Blood Cancer*, 2011 Jan; 56(1):127-33. [PMID 20973099]
3. **Ardura MI**. Invited Editorial: "*Staphylococcus aureus*- old bug with new tricks." English and Spanish; *Rev Chilena Infectol* 2009, 26(5): 401-5. [PMID 19915747]
4. **Ardura MI**, Banchereau R, Mejias A, DiPucchio T, Glaser C, Allantaz F, Pascual V, Banchereau J, Chaussabel D, and Ramilo O. "Enhanced monocyte response and decreased central memory T cells in children with invasive *S. aureus* infections." *PLoS ONE* 2009, 4(5): e5446. [PMID 19424507]
5. Mejías A, Bustos R, **Ardura MI**, Charina R, Sánchez PJ. "Persistence of Herpes Simplex Virus (HSV) DNA in Cerebrospinal Fluid (CSF) of Neonates with herpes simplex virus encephalitis". *J Perinatology*, April 2009; 29(4): 290-6. [PMID 19194454]
6. Chaussabel D, Quinn C, Shen J, Patel P, Glaser C, Baldwin N, Stichweh D,

- Blankenship D, Li L, Munagala I, Bennett L, Allantaz F, Mejias A, **Ardura M**, Kaizer E, Monnet L, Allman W, Randall H, Johnson D, Lanier A, Punaro M, Wittkowski KM, White P, Fay J, Klintmalm G, Ramilo O, Palucka AK, Banchereau J, Pascual V. "A modular analysis framework for blood genomics studies: application to systemic lupus erythematosus." *Immunity*, July 2008; 29(1):150-64. [PMID 18631455]
7. Saavedra-Lozano J, Mejías A, Ahmad N, Peromingo E, **Ardura MI**, Guillen S, Syed A, Cavuoti D, Ramilo O. "Changing Trends in Acute Osteomyelitis in Children: Impact of Methicillin-Resistant *Staphylococcus aureus* Infections." *J Pediatr Orthop*, July/August 2008; 28(5): 569-575. [PMID 18580375]
 8. **Ardura MI**, Mejias A, Katz KS, Revell P, McCracken GH, Sanchez PJ "Daptomycin therapy for invasive Gram-positive bacterial infections in children." *Pediatric Infect Dis J*, Dec 2007, 26(12):1128-32. [PMID 18043450]
 9. Ramilo O, Allman W, Chung W, Mejias A, **Ardura M**, Glaser C, Wittkowski KM, Piqueras B, Banchereau J, Palucka AK, Chaussabel D. "Gene expression patterns in blood leukocytes discriminate patients with acute infections." *Blood*, March 2007; 109(5):2066-77. [PMID 17724127]
 10. Allantaz F., Chaussabel D., Stichweh D., Punaro M., Bennet L., Allman W, Mejías A, **Ardura MI**, Chung W, Wise C, Palucka K, Ramilo O, Banchereau J and Pascual V. "Blood leukocyte microarrays to diagnose systemic onset juvenile idiopathic arthritis and follow the response to IL-1 blockade." *J Exp Med*, Sept 2007; 204(9):2131-44. [PMID 17105821]

In Process of Peer-review

- Banchereau R, Jordan-Villegas A, **Ardura MI**, Mejias A, Baldwin N, Xu H, Saye E, Rossello-Urgell J, Nguyen P, Blankenship D, Creech CB, Pascual V, Banchereau J, Chaussabel D, Ramilo O. "Host Immune Profiles in *Staphylococcus aureus* Infections Reflect heterogeneity of Clinical Manifestations and Infection Dissemination." Submitted to EMBO Journal, in process
- Twombly K, Pokala H, **Ardura MI**, Harker-Murray P, Johnson-Welch J, Seikaly M. Intraventricular Rituximab and Systemic Chemotherapy for Treatment of CNS PTLD after Kidney Transplantation." In process of submission to *Pediatric Transplantation*

Lectures and Presentations

1. **Ardura MI**, Nguyen S, Siegel J. "Invasive *Fusarium* Infections in Immunocompromised Children: Ten-year, Single Center Review of Contemporary Cases" 49th Annual Meeting of the Infectious Disease Society of America, Boston, MA, October 20-23, 2011. Abstract # 32327
2. **Ardura MI**. "Vaccination of the Immunocompromised Child" 29th Annual Pediatric Infectious Diseases Pearls Conference; Nationwide Children's Hospital, Columbus, OH. September 15, 2011.
3. T Mackling, RN, CPNP-PC/AC, T Shah, MD, V Dimas, MD, K Guleserian, MD, **M Ardura, DO**, J Gross-Toalson, PhD, Y Lee, PharmD, J Journeycake, MD, A Barnes, MD.

- "Management of Single Ventricle Patients with Berlin Heart EXCOR Ventricular Assist Device: Single Center Experience." The Seventh International Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion; Philadelphia, PA, May 5-7, 2011.
4. **Ardura MI** and Palmore T. Invited speaker. Meet the Experts: Infection Prevention in Immunocompromised Hosts. 21st Annual Scientific Meeting, The Society for Healthcare Epidemiology of America, Dallas, TX, April 1-4, 2011.
 5. Sawaya R, **Ardura MI**, Mejias A, Joglar J, Kwon J, Ramilo O. "Chest Computed Tomography (CT) in Suspected Pulmonary Mycobacterium Tuberculosis Disease in Children: Is There Value?" 48th Annual Meeting Infectious Disease Society of America, Vancouver, October 2010.
 6. Banchereau R, **Ardura MI**, Ionan A, Mejias A, Chaussabel D, Banchereau J, Ramilo O. "Blood Transcriptional Profiling Demonstrates Both Common Immune Alterations and Clinical Heterogeneity in Children with *Staphylococcus aureus* Infections." 48th Annual Meeting Infectious Disease Society of America, Vancouver, October 2010.
 7. Jordan-Villegas A, Gill M, **Ardura MI**. Clinical Case ID Fellow's Day: Brucellosis with vasculitic purpura. 48th Annual Meeting Infectious Disease Society of America, Vancouver, October 2010.
 8. Garcia C, Tucker C, Leff R, Sanchez PJ, **Ardura MI**. "Pharmacokinetics (PK) of peramivir in a child during extracorporeal membrane oxygenation (ECMO) and continuous venous-venous hemofiltration (CVVHD)." Pediatric Academic Societies and Society for Pediatric Research, Annual Meeting, May 1-4, 2010. Poster Presentation.
 9. Cost C, Brock E, Siegel JD, **Ardura MI**. "2009 Pandemic Influenza A H1N1 in Pediatric Oncology and Hematopoietic Stem Cell Transplant Patients: A Review of a Single Center Experience." American Society of Pediatric Hematology/Oncology, Annual Meeting, April 7-10, 2010. Poster Presentation, #205.
 10. Lopez-Medina E, **Ardura MI**, Brock E, Siegel JD, Sanchez PJ. "2009 H1N1 Influenza in Hospitalized Infants Under 6 Months of Age." Pediatric Academic Societies and Society for Pediatric Research, Annual Meeting, May 1-4, 2010. Oral Platform Presentation.
 11. Mejias A, **Ardura MI**, Garcia C, Torres E, Banchereau J, Chaussabel D, Ramilo O. "Can Disease Activity be Measured at the Molecular Level? Molecular Distance to Health Assesses Respiratory Syncytial Virus (RSV) Disease Severity In Children With Bronchiolitis." Submitted to Pediatric Academic Societies and Society for Pediatric Research, Annual Meeting, May 1-4, 2010.
 12. Soriano A, Garcia C, Techasaensiri B, Mejias A, Ramilo O, **Ardura MI**. "Epidemiology of Brain Abscesses in Children." 47th Annual Meeting Infectious Disease Society of America; Philadelphia, October 29-Nov 1. Poster Presentation.
 13. **Ardura MI**, Mejias A, Torres E, Banchereau J, Chaussabel D, Ramilo O. "Gene Expression Profiling Demonstrates Differences in the Host Immune Response to Invasive *Staphylococcus aureus* (Sa) and *Streptococcus pneumoniae* (Spn) Infections in

- Children." Pediatric Academic Societies Annual Meeting; Baltimore, May 2-5, 2009. Platform Presentation.
14. Banchereau RF, **Ardura M**, Di Pucchio T, Mejias A, Chaussabel D, Banchereau J, Ramilo O. "Decreased Central Memory T cells and Increased Monocytes in Children with Invasive *Staphylococcus aureus*." Federation of Clinical Immunology Societies; San Francisco, June 11-14, 2009. Poster Presentation.
 15. **Ardura MI**, Mejias A, Torres E, Banchereau J, Chaussabel D, Ramilo O. "Gene Expression Profiling for Diagnosis of Meningitis in Children". The 48th Annual ICAAC and 46th Annual IDSA Joint Meeting of the American Society of Microbiology and The Infectious Disease Society of America; Washington DC, October 25-8, 2008. Poster Presentation.
 16. **Ardura MI**, Banchereau R, Mejias A, Torres E, DiPucchioT, Banchereau J, Chaussabel D, Ramilo O. "*Staphylococcus aureus* Infections Induce Over-expression of Innate Immune Genes that Correlate with Increased Number of Monocytes." The 48th Annual ICAAC and 46th Annual M IDSA Joint Meeting of the American Society of Microbiology and The Infectious Disease Society of America; Washington DC, October 25-8, 2008. Poster Presentation.
 17. Chaussabel D, Skinner J, Pankla R, Berry M, **Ardura M**, vonBernuth H, Jin Z, Lertmemongkolchai G, Ramilo O, Casanova JL, Ogarra A, Banchereau J. "Assessing the Pathophysiology of Infectious Diseases through Blood Genomics." Federation of Clinical Immunology Societies; Boston, June 5-9, 2008.
 18. **Ardura MI**, Mejías A, Torres E, Banchereau J, Chaussabel D, And Ramilo O. "Over-expression of Innate Immunity and Suppression of B and T Cell Responses Define the Transcriptional Profiles Induced by Acute *Staphylococcus aureus* Infections." PAS/SPR Annual Meeting, Toronto, Canada, May 5-8, 2007. Poster Platform Presentation.
 19. Mejías A, **Ardura MI**, Glaser C, Estripeaut D, de Salas M, Torres E, Banchereau J, Chaussabel D, Ramilo O. Blood Microarray Analysis In Children With Influenza A Virus (Flu) Infection Over Different Seasons Demonstrated Significant Differences In Gene Expression Profiles That Correlate With Disease Severity. Pediatric Academic Societies Annual Meeting. Toronto, Canada. May 5-8, 2007. Poster Presentation.
 20. Mejías A, Bustos R, Charina R, **Ardura M**, Sánchez PJ. Persistence of Herpes Simplex Virus (HSV) DNA by Polymerase Chain Reaction (PCR) in Cerebrospinal Fluid (CSF) of Neonates with HSV Encephalitis. Pediatric Academic Societies Annual Meeting. Toronto, Canada, May 5-8, 2007. Poster Presentation.
 21. **Ardura MI**, Mejías A, McCracken GH, and Sanchez PJ. "Daptomycin Therapy For Multi-Drug Resistant Gram-Positive Bacterial Infections In Children." 44th Annual Meeting Of The Infectious Disease Society Of America, Toronto, Canada, October 12-15, 2006.
*IDSA Travel Grant Award
 22. **Ardura MI**, Mejías A, Torres E, Banchereau J, Chaussabel D, And Ramilo O. "Characterization Of Transcriptional Signatures In Children With Invasive *Streptococcus Pneumoniae* Infections." 46th Annual Interscience Conference On Antimicrobial Agents

And Chemotherapy, San Francisco, CA, Sept 27-30, 2006. **ID Fellow Travel Grant Award*

23. **Ardura MI**, Mejías A, Gutierrez C, Torres E, Banchereau J, Chaussabel D, And Ramilo O. "Transcriptional Signatures For Diagnosis And Assessment Of Disease Severity In Children With *Staphylococcus Aureus* (SA) Infections." PAS/SPR Annual Meeting, San Francisco, CA, April 29-May 2, 2006. **Young Investigator's Travel Award*
24. Mejías A, **Ardura MI**, Fernández D, Gutierrez C, Allman W, Torres E, Banchereau J, Chaussabel D, and Ramilo O. "Modular gene expression analysis of children with respiratory syncytial virus (RSV) and influenza virus (flu) infections demonstrate differences in immune profiles and correlates with disease severity." Pediatric Academic Societies Annual Meeting. 29 April-2nd May 2006. San Francisco, CA. ** Awarded*
25. Mejías A, **Ardura MI**, Glaser C, Estripeaut D, Torres E., Banchereau, J, Chaussabel D. And Ramilo O. "Transcriptional Signatures As A New Approach For Assessing Disease Severity In Children With Respiratory Syncytial Virus (RSV) Bronchiolitis." 46th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA. September 2006 **Awarded*
26. Mejías A, Allman W, Long K, Chung W, **Ardura MI**, Torres E, Palucka K, Banchereau J, Chaussabel D, and Ramilo O. "Differential Gene Expression Profiles in Peripheral Blood Mononuclear Cells (PBMCs) of Children with Respiratory Syncytial Virus (RSV) and Influenza Virus (Flu) Infections." 45th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington DC, December 2005. No G-1356 **Awarded*

Accepted for Future Presentations

1. **Ardura, MI**, DeMasi J, Pavlock T, Simms-Waldrip T, Cox J, Koh A, Aquino VM. "BK Virus-Associated Hemorrhagic Cystitis in Pediatric Hematopoietic Stem Cell Transplantation Recipients." American Society for Blood and Marrow Transplantation: 2012 BMT Tandem Meetings, San Diego, CA; February 1-5, 2012. Abstract #150050.