



PRELIMINARY PROGRAM

2019

ASFA's 40th Annual Meeting

PORTLAND, OREGON • MAY 14-18, 2019

ASFA 2019 Annual Meeting

PRELIMINARY PROGRAM

PRECONFERENCE: Tuesday, May 14, 2019

7:00AM – 6:00PM	Meeting Registration
7:45AM – 5:00PM	State of Science Conference on ECP (Pre-registration with ASFA and Additional Registration Fees Required)
7:00PM – 10:00PM	ASFA Board of Directors and State of Science Conference Speakers Dinner

PRECONFERENCE: Wednesday, May 15, 2019

7:00AM – 6:00PM	Meeting Registration		
7:00AM – 5:00PM	Preconference Workshop: Apheresis Review Session <i>(Pre-registration with ASFA and Additional Registration Fees Required) *free if registered to take the QIA exam</i> <i>The Apheresis Review Session will provide a basic overview of the theory and applications of apheresis medicine. Experts in the field will provide a broad overview of each of the topics and participants will have an opportunity to work with case studies. The Review Session is an appropriate preparatory course for the Qualification in Apheresis (QIA) Exam, offered by ASCP.</i>		
	Morning Chairs: Debbie Ferrell, MSN, RN, HP(ASCP) & Peggy Reid, RN		
	Afternoon Chairs: Rebecca Nourse, RN, BSN & Lindsay Palomino, BSN, RN, HP(ASCP)		
	7:00AM – 7:30AM	Continental Breakfast	
	7:30AM – 8:00AM	Welcome and Introduction to the Apheresis Review Session (to include overview of the ASCP Qualification in Apheresis (QIA) Exam)	Christina Anderson, RN, BSN, HP(ASCP)
	8:00AM – 8:45AM	Basic Science in Apheresis	Jill Adamski, MD, PhD
	8:45AM – 9:30AM	Apheresis Instrumentation	Edwin A. Burgstaler, MT, HP(ASCP)
	9:30AM – 10:15AM	Apheresis Program Management Essentials	David Lin, MD, MHA, QIA
	10:15AM – 11:00AM	Break	
	11:00AM – 11:45AM	Clinical Applications: Therapeutic Apheresis	Nicole Aqui, MD
	11:45AM – 12:30PM	Clinical Applications: Cellular Therapy	Bruce Sachais, MD, PhD, QIA
	12:30PM – 1:30PM	Lunch & Equipment Fair	
	1:30PM – 2:00PM	Donor Apheresis Overview	Jeannie Nielsen, BSN, RN, HP(ASCP)
	2:00PM – 3:00PM	Donor/Patient Care	Tina Ipe, MD, MPH
	3:00PM – 3:45PM	Quality in Apheresis: Standards, Guidelines and Regulations	Margaret M. Hannan, BS, MSM/OL, CQA (ASQ)
	3:45PM – 4:00PM	Break	
	4:00PM – 4:45PM	Apheresis Math	Jay Raval, MD
	4:45PM – 5:00PM	Wrap up	Rebecca Nourse, RN, BSN
	7:00AM – 5:00PM	FACT Cellular Therapy Collection Workshop (Pre-registration with FACT Required and Additional Registration Fees Required)	
8:00AM – 3:00PM	ASFA Board of Directors Meeting (by invitation only)		
8:00AM – 4:30PM	Exhibit Hall Move In		
3:00PM – 5:00PM	WAA Board of Directors Meeting (by invitation only)		
3:00PM – 5:00PM	Journal of Clinical Apheresis Editorial Board Meeting (by invitation only)		
4:00PM – 6:00PM	Tour for ASFA Delegates (pre-registration with ASFA required):	Offsite	
4:30PM – 5:30PM	Poster Move In		
5:00PM – 6:00PM	ASFA Board of Directors and Sponsors Meeting (by invitation only)		
5:30PM – 6:00PM	New Member and First Time Attendee Meet and Greet		
6:00PM – 8:00PM	Exhibit Hall Open		

PRELIMINARY PROGRAM

PRECONFERENCE: Wednesday, May 15, 2019

6:00PM – 8:00PM	Welcome Reception in Exhibit Hall	
	<i>Please join us for a drink, hors d'oeuvres, and to network with your colleagues!</i>	
8:00PM – 10:00PM	ASFA Past Presidents' Dinner <i>(by invitation only)</i>	<i>Offsite</i>



CONFERENCE DAY 1: Thursday, May 16, 2019			
7:00AM – 6:00PM	Meeting Registration		
7:15AM – 8:15AM	Continental Breakfast		
7:15AM – 8:15AM	Breakfast with the Experts I (<i>First-come, first-served – arrive early for your favorite topic!</i>) Join us for roundtable discussions with experts in the field on the topics below.		
	Chairs: Jennifer Collins, RN & Laura Collins, RN, BSN, HP (ASCP)		
	Quality and Apheresis – 2 tables	Margaret M. Hannan, BS, MSM/OL, CQA (ASQ) & Erica Agy, BS	
	Role of Advanced Practitioners in Apheresis	Amelework Wodajo	
	Lipoprotein Apheresis - LDL Apheresis for Nephrotic Syndrome	Amber Sanchez, MD	
	Pediatric Therapeutic Apheresis – 2 tables	Kira Geile, RN, CPNP & Alicia Garcia, RN, HP(ASCP)	
	Unexpected Events During Apheresis	David Lin, MD, MHA, QIA	
	QIA – The Who, What, Where, When, and How	Antonia Hagan-Coonradt, RN	
	HPC Collection Challenges	Laurie Wolf, BSN, RN, HP	
	Meet the JCA Editor	Jeffrey L. Winters, MD	
	ISBT Labeling for Cellular Collections	Kristen Klimisch, BS	
	Graduate Medical Education: Cell Therapy Education Across Specialties	Michael Linenberger, MD, FACP	
	8:30AM – 10:15PM	Opening Symposium – Current State of Cell & Gene Therapy	
Chair: Laura Connelly-Smith, MBBCh, DM & Nicole AQUI, MD			
8:30AM – 9:00AM		Opening Remarks and Awards Presentation	ASFA President-Elect and Organizing Chair, Yanyun Wu, MD, PhD, QIA & ASFA President, Joseph Schwartz, MD, MPH
9:00AM – 9:40AM		Current State of CAR-T Therapy	Don Siegel, MD, PhD
9:40AM – 10:15AM		Collection for CAR-T Manufacturing	Nicole AQUI, MD
10:15AM – 10:45AM	Break in Exhibit Hall		
10:45AM – 12:15PM --Concurrent Session	Cell & Gene Therapy (Continued)		
	10:45AM – 11:25AM	Current State of Gene Therapy	Pamela Becker, MD, PhD
	11:25AM – 12:15PM	Current State of Regulatory Approval for Cell and Gene Therapies: Balancing Safety and Innovation	Peter Marks, MD, PhD
10:45AM – 12:15PM --Concurrent Session	Education Session I: Donor Apheresis		
	Chairs: Eileen Galvin Karr, RN BSN HP(ASCP)QIA & Margaret M. Hannan, BS, MSM/OL, CQA (ASQ)		
	10:45AM -11:25AM	Impact of Frequent Apheresis Blood Donation on Bone (ALTRUYST Study)	Walter Bialkowski, PhD
	11:25AM -12:15PM	Engagement Amongst Staff Working in Donor Centers- How This Contributes to the Success of Hitting Collection Goals	Fran Carson
10:00AM – 8:00PM	Exhibit Hall Open		
12:30PM – 1:30PM	Corporate Lunch Symposium – Terumo BCT (<i>open to all registered delegates</i>)		
12:30PM – 1:30PM	Corporate Lunch Symposium – Sanofi Genzyme (<i>open to all registered delegates</i>)		
12:30PM – 1:30PM	Lunch in Exhibit Hall		
1:45PM – 2:30PM	Francis S. Morrison, MD Memorial Lecture		
	We are pleased to honor Jeffrey L. Winters, MD as this year's recipient of the Francis S. Morrison, MD Memorial Lecture award.		
	Chair: ASFA President, Joseph Schwartz, MD, MPH		

CONFERENCE DAY 1: Thursday, May 16, 2019

2:45PM – 5:15PM --Concurrent Session	Plenary Abstract Session		
	Chairs:		
	2:45 PM – 3:00 PM	Modern Mortality of Thrombotic Thrombocytopenic Purpura: Longitudinal Analysis of 100 Consecutive Patients in a Large Single-center Database	Gustaaf de Ridder, MD, PhD
	3:00 PM – 3:15 PM	Incidence and Risk Factors Associated with Central Venous Catheter Use in Matched, Related Allogeneic Peripheral Blood Stem Cell Donors: An ASFA HPC Donor Safety Study	Laura Cooling, MD, MS
	3:15 PM – 3:30 PM	A Survey of Current Practices of Red Blood Cell Exchange Transfusion for Patients with Sickle Cell Disease	Matthew Karafin, MD, MS
	3:30 PM – 3:45 PM	Therapeutic Plasma Exchange Practices in Neuromyelitis Optica Spectrum Disorder Related Hospitalizations: Results from a Nationally Representative Sample	Sarah Makhani
	4:15 PM – 4:30 PM	Infectious Disease (ID) Rates among Donors Reinstated after Changes to the Men Having Sex With Other Men (MSM) Deferral Policy	Yvette Miller, MD
	4:30 PM – 4:45 PM	Real-world Study: Escalating Targeted Lipid-lowering Treatment with PCSK9-inhibitors and Lipoprotein Apheresis	Reinhard Klingel, MD, PhD
	4:45 PM – 5:00 PM	The Effect of Hydroxyethyl Starch on Renal Function in Long-term Granulocyte Donors	David Brust, MD
5:00 PM – 5:15 PM	Improved Collection Outcomes Using Higher Heparin Concentration with the Spectra Optia CMNC Program	Michelle Tumbaga-Flores, BSN, RN, HP	
2:45PM – 3:45PM --Concurrent Session	Education Session II: Hot Topics in Apheresis		
	Chairs: Antonia Hagan-Coonradt, RN & Peggy Reid, RN		
	2:45PM – 3:15PM	Managing Hemostasis/Coagulation Issues Related to TPE, from Testing, Replacement Fluid, to the Use of Anti-Coagulants	Thomas Deloughery, MD
	3:15PM – 3:45PM	Important Considerations for RBC Exchange, Cellular Depletion, and Priming for Apheresis	Haewon Kim, MD
3:45PM – 4:15PM	Break in Exhibit Hall		
4:15PM – 5:15PM --Concurrent Session	Education Session III: Joint AABB/ASFA Session		
	Innovative Concepts for the Management of Patients with Sickle Cell Disease		
	Chairs: Alicia Garcia, RN, HP(ASCP) & Jay Raval, MD		
	4:15PM – 4:45PM	Outline Current Clinical Trials, Concepts, Interventions for Treatment of Patients with Sickle Cell Disease	Michael Linenberger, MD, FACP
	4:45 PM – 5:15PM	Crossmatching Blood for Sickle Cell Patients undergoing RBC Exchange or Transfusion	Nicole Zantek, MD
5:30PM – 6:15PM	Committee Meetings <i>*New members welcome!</i>		
	Research Committee		Public Affairs Committee
	Allied Health Committee		International Affairs Committee
	Communications Committee		
6:00PM – 8:00PM	Poster Networking Evening in Exhibit Hall		
	<i>Please join us for a drink, hors d'oeuvres, and to visit the abstract posters.</i>		
7:30PM – 9:30PM	Dinner Symposium: International Practice Perspectives and Regulatory Variations on CAR-T Cell Therapies Supported by an Educational Grant by Terumo BCT. The content for the symposium was developed by the ASFA International Affairs Committee		
7:30PM – 9:30PM	Key Concepts in ECP Management with the Therakos® CELLEX® Photopheresis System – Part 2 Live Event Supported by Mallinckrodt		
7:30PM – 9:30PM	Focus Group		

CONFERENCE DAY 2: Friday, May 17, 2019			
6:00AM – 7:00AM	5K Fun Run (<i>Pre-registration with ASFA and Additional Registration Fees Required</i>) Get your blood flowing and join your colleagues for a fun run		
7:00AM – 5:30PM	Meeting Registration		
7:30AM – 8:30AM	Continental Breakfast		
7:30AM – 8:30AM --Concurrent Session	Breakfast with the Experts II (<i>First-come, first-served – arrive early for your favorite topic!</i>) Join us for roundtable discussions with experts in the field on the topics below.		
	Chair: Antonia Hagen-Coonradt, RN & Peggy Reid, RN		
	Pediatric HPC/MNC Collections	Alicia Garcia, RN, HP(ASCP)	
	Immunotherapy and Collection of the Unstimulated Donor	Dana Atkinson, BS, MT(ASCP), CCRA & Christine Fernandez, RN, MSN, OCN	
	Staff Training & Competency	Michelle Flores	
	Apheresis in Low Resource Areas / Tele-health / Tele-medicine	Walter Linz, MD, MBA	
	Apheresis Metrics	Christina Anderson, RN, BSN, HP(ASCP)	
	Abstract Writing for Allied Health	Jay Raval, MD & Edwin A. Burgstaler, MT, HP(ASCP)	
	Validations	Kristen Klimisch, BS	
	Donor Recruitment and Retention	Jeannie Nielsen, BSN, RN, HP(ASCP)	
	Staff Engagement & Retention	Eileen Galvin Karr, RN, BSN, HP(ASCP), QIA	
	ECP Challenges	Laurie Wolf, BSN, RN, HP & Rebecca Nourse, RN, BSN	
	Cyto Reductions (Platelet and WBC)	Tina Ipe, MD, MPH	
	Vascular Access for Low Body Weight	Kate Douglas, RN	
	Graduate Medical Education: Got Your Entrustable Professional Activities in Apheresis Medicine Ready?	Angie Treml, MD	
10:00AM – 4:30PM	Exhibit Hall Open		
8:45AM – 12:15PM --Concurrent Session	Scientific Symposium – I: The Immune System and Neurologic Disorders: Intersections with TPE		
	Chairs: Thomas Deloughery, MD & Jay Raval, MD		
	8:45AM – 9:30AM	Immunology Breakdown: General Principles and Recent Updates in Function and Dysfunction	Sean Stowell, MD, PhD
	9:30AM – 10:15AM	Current and Emerging Targeted Therapies for Neuro-Immune Disorders	Jeanne Hendrickson, MD
	10:15AM – 10:45AM	Break in Exhibit Hall	
	10:45AM – 11:35 AM	TPE and Alzheimer's Disease: AMBAR Study	Ziggy Szczepiorkowski, MD, PhD, FCAP & Oscar Lopez, MD
11:35AM – 12:15PM	TPE for Treatment of Neuro-Immune Disorders: Updates!	Thomas Deloughery, MD	
8:45AM – 10:15AM --Concurrent Session	Education Session IV – Vascular Access - Tips & Tricks/Best Practices (<i>Pre-registration with ASFA required</i>)		
	Chairs: Betty Doggett, AT(ASCP) & Tomas Armendariz, BSN		
	This interactive session provides hands on instruction in a variety of apheresis venous access options. This year, we are pleased to feature experts in ultra sound guided peripheral access, standard dual lumen and newly FDA approved Implanted Venous Access devices, as well as central venous catheters.		
10:15AM – 10:45AM	Break in Exhibit Hall		
10:45AM – 12:15PM --Concurrent Session	Education Session V: ASFA Forum Live – Ask the Experts		
	Chairs: Christina Anderson, RN, BSN, HP(ASCP) & Amelework Wodajo		
	The ASFA website Discussion Forum is a networking resource to query the community on common practices and challenges related to apheresis. Join us for a live discussion forum with expert panelists answering past forum queries and audience questions focusing on Immunotherapy, Quality and Pediatric Apheresis.		
	Immunotherapy	Nicole Aqui, MD, Lindsay Palomino, BSN, RN, HP(ASCP), Christine Fernandez, RN, MSN, OCN, Erica Agy, BS, Lizette Caballero, MLS(ASCP)CM, Kate Douglas, Eneida Nemececk, Sarita Joshi, MBBS, MD, Lyndsey Saunier, RN, BSN, CPN, & Laurie Wolf, BSN, RN, HP	
	Quality		
Pediatric Apheresis and Considerations			

12:30PM – 1:30PM	Corporate Lunch Symposium – Alexion (open to all registered delegates)	
12:30PM – 1:30PM	Corporate Lunch Symposium - Fresenius Kabi (open to all registered delegates)	
12:30PM – 1:30PM	Lunch in Exhibit Hall	
1:45PM – 2:30PM	ASFA Annual General Meeting (ASFA members only) <i>Members – please join us for coffee and dessert and to learn more about ASFA’s activities, financials and leadership.</i>	
2:45PM – 5:15PM --Concurrent Session	Abstract Session I: Therapeutic Apheresis	
	Chairs:	
	2:45PM – 3:00PM	Therapeutic Plasma Exchange for Management of Heparin-induced Thrombocytopenia: Results of an International Practice Survey Oluwatoyosi Onwuemene, MD, MS
	3:00PM – 3:15PM	Apheresis Red Blood Cells Associated with Hemolysis during Blood Priming of the Cellex Photopheresis System Laura Cooling, MD, MS
	3:15PM – 3:30PM	Heterogeneity of Pediatric Apheresis Physician Viewpoints and Practice Patterns: A Study by the ASFA Pediatric Subcommittee Jay Raval, MD
	3:30PM – 3:45PM	Relationship of Aquaporin-4 Antibody with Presenting Sequelae in Neuromyelitis Optica Spectrum Disorder Patients Receiving Therapeutic Plasma Exchange Tina Ipe, MD
	4:15PM – 4:30PM	Mathematical Investigation of Impact of Recirculation in Patients Receiving Tandem Extracorporeal Membrane Oxygenation and Therapeutic Plasma Exchange Charles Puelz
	4:30PM – 4:45PM	Delta Hematocrit after a Red Cell Exchange Procedure is a Good Quality Assurance Indicator Parvez Lokhandwala, MD, PhD
	4:45PM – 5:00PM	Therapeutic Plasma Exchange to Manage Patients with HIT Prior to Possible Heparin Re-exposure Chelsea Halprin, DO
	5:00PM – 5:15PM	Therapeutic Plasma Exchange in Sepsis Shock Patients: A Retrospective Analysis of Clinical Outcomes Tran Giang
2:45PM – 5:15PM --Concurrent Session	Abstract Session II: Donor Apheresis	
	Chairs:	
	2:45PM – 3:00PM	Use of Fluorinated Plastic Catheters for Peripheral Venous Cannulation Using Ultrasound Guidance is Highly Effective in Facilitating Red Blood Cell Exchange Anand Padmanabhan, MD, PhD, QIA
	3:00PM – 3:15PM	Is the Minimal Residual Disease (MRD) in HPC Apheresis Products in Patients with Neuroblastoma of Importance for the Prognosis; A Retrospective Data Analysis Volker Witt, MD
	3:15PM – 3:30PM	Autologous Lymphapheresis of Multiple Myeloma Patients Yields Adequate CD3+ Lymphocytes for Car-BCMA T-cell Production Shelley Sahu, MD
	3:30PM – 3:45PM	A Prospective, Observational, Longitudinal Pilot Study of Hematological and Biochemical Changes in Healthy Donors after Automated Plateletpheresis Donation Divya Setya
	4:15PM – 4:30PM	Calcium Chloride Is Superior to Calcium Gluconate as a Calcium Replacement during Peripheral Blood Stem Cell Collections James Sikora
	4:30PM – 4:45PM	Comparative Flow Cytometry Analysis of White Blood Cells in Peripheral Blood and Collected Autologous Transplant in Non-hodgkin's Lymphoma and Myeloma Patients Ronnie Peleg
4:45PM – 5:00PM	Dual Lumen Ports Used for Automated Red Blood Cell Exchange in Pediatric Sickle Cell Patients Allow for Shorter Procedures and with Less Procedural Complications Than in Adults. Leon Su, MD	

PRELIMINARY PROGRAM

	5:00PM – 5:15PM	Preventative Therapeutic Plasma Exchange Prior to Rituximab for Mixed Cryoglobulinemia	Edward Yoon, MD
2:45PM – 3:45PM --Concurrent Session	Education Session VI: Therapeutics Apheresis		
	Chairs: Ame Pousson, BSN, RN, QIA & Mike Perez, MD		
	2:45PM – 3:15PM	TBV Calculations in Special Populations (obese, pregnant, amputee)	Liz Rosenbaum, MD
	3:15PM – 3:45PM	TPE in Pregnancy	Antonio Torloni, MD
3:45PM – 4:15PM	Break in Exhibit Hall		
4:15PM – 5:15PM --Concurrent Session	Education Session VII: Ethical Considerations in Apheresis		
	Chairs: Peggy Reid, RN & Rebecca Nourse, RN, BSN		
	4:15PM – 5:15PM	When to Say No to Apheresis (unstable patients, death is imminent, legal issues)	Jan Hofmann, MD, MPH, MS & Andrew Nord, PA-C
4:30PM – 5:30PM	Poster Move Out		
4:45PM – 9:00PM	Exhibit Hall Move Out		
5:15PM – 6:00PM	Committee Meetings <i>*New members welcome!</i>		
	Physicians Committee	Application Committee	
	Education Committee		
6:30PM- 8:30PM	ASFA Networking Event		
7:30PM – 9:30PM	Dinner Symposium: Stem Cell Collections in Rare & Genetic Disorders Supported by an Educational Grant by bluebird bio		



CONFERENCE DAY 3: Saturday, May 18, 2019			
7:00AM – 12:30PM	Meeting Registration		
7:30AM – 8:30AM	Continental Breakfast		
7:30AM – 8:30AM --Concurrent Session	Breakfast with the Experts III (<i>First-come, first-served – arrive early for your favorite topic!</i>) Join us for roundtable discussions with experts in the field on the topics below.		
	Chair: Christine Fernandez, RN, MSN, OCN & Lan Ma, RN, MSN		
	Anticoagulation Practices for CVC	Maria Di Mola, RN, BScN, CPL	
	Incorporating Pediatric Apheresis into an Adult Apheresis Service	Lyndsey Saunier, RN, BSN, CPN	
	Custom primes for pediatric procedures (albumin vs. red cell)	Jennifer Collins, RN	
	How to Get Involved with Apheresis Research at ASFA	Edward Wong, MD	
	Transfusion Medicine Basics for Apheresis Practitioners	Nabiha Huq Saifee, MD, MPH	
	Implementation of Ultrasound Guided Peripheral Access	Betty Doggett, AT(ASCP)	
	TPE for Nephrological Disorders	Amber Sanchez, MD	
	Cellular Therapy Regulations	Erica Agy, BS	
	Therapeutic Apheresis (Spanish)	Tomas Armendariz, BSN	
	Regulatory Aspects of Immune Effector Cells Collections	Nicole Aquí, MD	
	Apheresis in Low Resource Countries	Hans Vrielink, MD, PhD	
	How to Develop and Implement a Sound Survey: principles, practices and instruments	Quentin Eichbaum, MD, PhD, MPH, MFA, MMHC, JD, FCAP, FASCP & Matthew S. Karafin, MD MS	
Graduate Medical Education : Cell Therapy Education Across Specialties	Laura Connelly-Smith, MBBCh, DM		
Closing Symposium –Best Practice in Apheresis Medicine			
Chair: Nancy Dunbar, MD & YanYun Wu, MD, PhD, QIA			
8:45AM – 12:15PM --Concurrent Session	8:45AM – 9:15AM	Choosing Wisely	Vishesh Chhibber, MD & Laura Connelly-Smith, MBBCh, DM
	9:15AM – 9:45AM	Using Peripheral Access When Possible	Anand Padmanabhan, MD, PhD, QIA
	9:45AM – 10:15AM	Practice Variation in Coagulation Testing and Replacement Fluid for TPE, What Do We Know?	Nicole Zantek, MD, PhD & YanYun Wu, MD, PhD, QIA
	10:15AM – 10:45AM	Break in Foyer	
	10:45AM – 11:15AM	Evolving Evidence in Apheresis, ASFA Special Issue	Nancy Dunbar, MD
	11:15AM – 11:45AM	Evolving to Higher Value Care	Caleb Stowell, MD
	11:45AM – 12:15PM	The Establishment of the ASFA Therapeutic Apheresis Outcome Systems (TAOS), Moving To Outcome Driven Apheresis Practice	YanYun Wu, MD, PhD, QIA
	Education Session VIII: Member Proposal		
8:45AM – 10:15AM --Concurrent Session	The Dos and Don'ts of Tandem Procedures		
	Chairs: Tomas Armendariz, BSN & Rebecca Nourse, RN, BSN		
	8:45AM – 9:15AM	Which Patients Need Tandem Procedures – Indications for Apheresis and ECMO	Bree Kramer, D.O
	9:15AM – 9:45AM	Technical Aspects and Complications of Tandem Apheresis Procedures	Omar Al-Ibrahim, MD
9:45AM – 10:15AM	Technical Aspects and Complications with Tandem Apheresis Procedures in the Pediatric Population: ECMO/CRRT/TPE	Cindy George, RN, MSN	
10:15AM – 10:45AM	Break in Foyer		
Education Session IX: Program Management and Professional Development			
10:45AM – 12:15PM --Concurrent Session	Chairs: Antonia Hagen-Coonradt, RN and Betty Doggett, AT(ASCP)		
	10:45AM – 11:05AM	Training, Competency and Professional Development	Lindsay Palomino, BSN, RN, HP(ASCP)

PRELIMINARY PROGRAM

	11:05AM – 11:25AM	Staffing and Patient Scheduling in New and Ongoing Apheresis Programs	Laura Collins, RN, BSN, HP (ASCP)
	11:25AM – 12:15PM	Abstract Writing for Allied Health	Jay Raval, MD/ED & Edwin Burgstaller, MT, HP(ASCP)
12:15PM – 1:30PM	Post-Conference ASFA Board of Directors Meeting <i>(by invitation only)</i>		

