

WESTIN MISSION  
HILLS GOLF  
RESORT & SPA

**ASFA**

*Palm Springs, California*

**2016**

*May 4-7  
2016*

**PRELIMINARY  
PROGRAM**

**ASFA**



American Society for Apheresis

**AN EDUCATIONAL AND NETWORKING  
FORUM FOR PROFESSIONALS IN THE FIELD  
OF APHERESIS MEDICINE**



## ASFA 2016 Annual Meeting

# PRELIMINARY PROGRAM

### PRECONFERENCE: Tuesday, May 3, 2016

3:00PM – 6:00PM	<b>Meeting Registration</b>	Celebrity Foyer
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### PRECONFERENCE: Wednesday, May 4, 2016

7:00AM – 6:00PM	<b>Meeting Registration</b>	Celebrity Foyer
7:00AM – 5:00PM	<b>Preconference Workshop: Apheresis Review Session</b> (Pre-registration with ASFA and Additional Registration Fees Required)	Celebrity ABCD
<p><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></p> <p><b>Morning Chairs:</b> Debbie Ferrell, MSN, RN, HP(ASCP) &amp; Margaret Hannan, LPN, AT (ASCP)  <b>Afternoon Chairs:</b> Bryan Prentice, RN, MSN &amp; Alicia Garcia, RN, HP(ASCP)</p>		
7:00AM – 7:30AM	<b>Continental Breakfast</b>	
7:30AM – 7:45AM	Welcome	
7:45AM – 8:15AM	Introduction to ASCP Qualification in Apheresis (QIA) Exam	Christina Anderson, RN, BSN, HP(ASCP)
8:15AM – 9:00AM	Basic Science in Apheresis	Hans Vrieling, MD
9:00AM – 10:00AM	Clinical Applications: Therapeutics	Jeffrey L. Winters, MD
10:00AM – 10:30AM	<b>Break</b>	
10:30 AM – 11:30 PM	Clinical Applications: Donor and Cellular Therapy	Jay S. Raval, MD
11:30 AM – 12:15PM	Apheresis Instrumentation	Edwin A. Burgstaler, MT, HP(ASCP)
12:15 PM – 1:15PM	<b>Lunch &amp; Equipment Fair</b>	
1:15 PM – 2:45PM	Donor and Patient Care	Leah L. Irwin, RN, MSN, CRNP
2:45 PM – 3:30PM	Apheresis Program Essentials	Darlene Cloutier, MT, HP
3:30PM – 3:45PM	<b>Break</b>	
3:45 PM – 4:30 PM	Standards, Guidelines, and Regulations	Theresa C. Stec, BA, MT(ASCP)



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	4:30PM – 5:00PM	Wrap Up	Alicia Garcia, RN, HP(ASCP)
7:00AM – 5:00PM	<b>FACT Cellular Therapy Collection Workshop</b> <i>(Pre-registration with FACT Required and Additional Registration Fees Required)</i>		Rancho Mirage
8:00AM – 3:00PM	<b>ASFA Board of Directors Meeting</b> <i>(by invitation only)</i>		Mission Hills
8:00AM – 4:30PM	<b>Exhibit Hall Move In</b>		Celebrity EFGH
3:00PM – 5:00PM	<b>Journal of Clinical Apheresis Editorial Board Meeting</b> <i>(by invitation only)</i>		Oasis
4:00PM – 5:30PM	<b>Qualification in Apheresis Information Session</b> <i>Join us for coffee and tea and to learn more about the new Qualification in Apheresis (QIA) exam offered through ASCP.</i>		Moroccan
4:30PM – 5:30PM	<b>Poster Move In</b>		Celebrity EFGH & Foyer
5:00PM – 6:00PM	<b>ASFA Board of Directors and Sponsors Meeting</b> <i>(by invitation only)</i>		Mission Hills
5:30PM – 6:00PM	<b>New Member and First Time Attendee Meet and Greet</b>		Oasis
6:00PM – 8:00PM	<b>Exhibit Hall Open</b>		Celebrity EFGH
6:00PM – 8:00PM	<b>Welcome Reception in Exhibit Hall</b> <i>Please join us for a drink, hors d'oeuvres, and to network with your colleagues!</i>		Celebrity EFGH & Foyer
8:00PM – 10:00PM	<b>ASFA Past Presidents' Dinner</b> <i>(by invitation only)</i>		Offsite



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CONFERENCE DAY 1: Thursday, May 5, 2016			
7:00AM – 6:00PM	<b>Meeting Registration</b>		<i>Celebrity Foyer</i>
7:00AM – 8:15AM	<b>Continental Breakfast</b>		<i>Celebrity Foyer/Plaza</i>
7:00AM – 8:15AM	<b>Breakfast with the Expert I</b> ( <i>First-come, first-served – arrive early for your favorite topic!</i> ) <i>Join us for roundtable discussions with experts in the field on the topics below.</i>		<i>Masters Plaza</i>
	<b>Chair:</b> Theresa C. Stec, BA, MT(ASCP)		
	Anticipating and Preventing Complications During and After Therapeutic Apheresis Procedures		Marisa B. Marques, MD
	IV Access		Leah L. Irwin, RN, MSN, CRNP
	HPC/MNC Collection		Una O’Doherty, MD
	Photopheresis		Lindsay Palomino, RN, BSN
	Online Documentation		Darlene Cloutier, MT, HP
	Apheresis Platelet Demand Planning		Tanya Ferber, MSN, RN
	Tandem Procedures		Christina Gallagher, RN
	Cellular Therapy (Spanish)		Christine Fernandez, RN, MSN
	Pediatric Apheresis		Christina Anderson, RN, BSN, HP(ASCP)
	Staff Training and Competency Assessment		Jennifer Wintz, BSN
	Graduate Medical Education: How to Manage an Apheresis Consult that Doesn’t Fit the Textbook?		Joseph Schwartz, MD, MPH & Sarita Joshi, MBBS, MD
ASFA Leadership - How <u>YOU</u> Can Become Involved		ASFA Presidents	
8:30AM – 12:15PM	<b>Opening Combined Symposium: Solid Organ and Hematopoietic Stem Cell Transplant</b>		<i>Celebrity ABCD</i>
<b>Chairs:</b> Laura Collins, RN, BSN, HP(ASCP) and Joseph Schwartz, MD, MPH			
8:30AM – 8:45AM	Opening Remarks		Eileen Galvin Karr RN, BSN, HP(ASCP) and Bruce Sachais, MD, PhD
8:45AM – 9:30AM	Therapeutic Plasma Exchange Facilitates Successful Solid Organ Transplantation: HLA Desensitization and Antibody Mediated Rejection		Theresa Kinard, MD
9:30AM – 10:15AM	Apheresis Medicine in ABO Incompatible Kidney Transplantation: Strategies for Successful Outcomes		Lance Williams, MD



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	10:15AM – 10:45AM	<b>Break in Exhibit Hall</b>	<i>Celebrity EFGH &amp; Foyer</i>
	10:45AM – 11:30AM	New Strategies for HPC Mobilization and Stem Cell Collection: Effect of Content on Outcomes	Jeffrey L. Winters, MD
	11:30AM – 12:15PM	Hematopoietic Progenitor Cell Products	Rona Singer Weinberg, PhD
10:00AM – 8:00PM	<b>Exhibit Hall Open</b>		<i>Celebrity EFGH &amp; Foyer</i>
12:30PM – 1:30PM	<b>Exclusive Corporate Symposium</b> ( <i>open to all registered delegates</i> )		<i>Ambassador</i>
12:45PM – 1:30PM	<b>Lunch in Exhibit Hall</b>		<i>Celebrity EFGH &amp; Foyer</i>
1:45PM – 2:30PM	<b>Francis S. Morrison, MD Memorial Lecture</b>		<i>Celebrity ABCD</i>
	<b>Chair:</b> Marisa Marques, MD		
	30+ Years in Apheresis and Transfusion Medicine		Mark E. Brecher, MD
2:45PM – 5:15PM --Concurrent Session	<b>Plenary Abstract Session</b> ★ Denotes an abstract award winner.		<i>Celebrity ABCD</i>
	<b>Chairs:</b> Anand Padmanabhan, MD, PhD & Christina Anderson, RN, BSN, HP(ASCP)		
	2:45 PM – 3:00 PM	The Journal of Clinical Apheresis Special Issue Committee Report on the 7 <sup>th</sup> Edition (2016)	Joseph Schwartz, MD, MPH
	3:00 PM – 3:15 PM	Extracorporeal Photopheresis Practice Patterns: An International Survey by the ASFA ECP Donor Subcommittee	Nancy Dunbar, MD
	3:15 PM – 3:30 PM	Paired Comparison of Therapeutic Plasma Exchange Using the Fenwal Amicus vs. Terumo BCT Spectra Optia	Edwin A. Burgstaler, MT, HP (ASCP)
	3:30 PM – 3:45 PM	Impact of Platelet Count on CD34 Mobilization and Response to Plerixafor in Lymphoma Patients Undergoing Autologous Peripheral Blood Stem Cell Collection	Kristina Annah Davis
	4:15 PM – 4:30 PM	Novel Biomarkers of Acquired Thrombotic Thrombocytopenic Purpura Disease Activity Identified by Metabolomic Profiling	Jay S. Raval, MD
	4:30 PM – 4:45 PM	Platelet Count and Serum Creatinine Do Not Help to Differentiate Thrombotic Thrombocytopenic Purpura from Other Thrombotic Microangiopathies	Manasa S. Reddy, MD
	4:45 PM – 5:00 PM	Iatrogenic Iron Deficiency Associated with Automated Red Blood Cell Exchange in Sickle Cell Disease	Shih-Hon Li, MD, PhD
	5:00 PM – 5:15 PM	More Efficient Exchange of Sickle Red Blood Cells Compared to Normal Red Blood Cells can be Achieved by Setting Exchange Parameters to Collect and Replace the Densest Red Blood Cells	Suzanne Thibodeaux
	<b>Education Session I: Basic Donor</b>		<i>Rancho Mirage</i>
	<b>Chairs:</b> Lee F. Clough, RN, BSN, HP(ASCP) & Tanya Ferber, MSN, RN		
2:45PM – 3:45PM --Concurrent Session	2:45PM – 3:05PM	Optimizing the Blood Donor in Center and on Mobile Blood Drives	Antonia Hagen-Coonradt
	3:05PM – 3:25PM	Iron Balance and Blood Donation	Anne Eder, MD, PhD



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	3:25PM – 3:45PM	Donor Math	Marleen Neyrinck, RN	
3:45PM – 4:15PM	<b>Break in Exhibit Hall</b>		<i>Celebrity EFGH &amp; Foyer</i>	
4:15PM – 5:15PM --Concurrent Session	<b>Education Session II: Advanced Therapeutics</b>		<i>Rancho Mirage</i>	
	<b>Chairs:</b> Jay S. Raval, MD & Debbie Ferrell, MSN, RN, HP(ASCP)			
	4:15PM – 4:45PM	Pharmacology	Yanyun Wu, MD, PhD	
	4:45PM – 5:15PM	Tiny Tandems: The Ins and Outs of Therapeutic Tandem Procedures	Christina Gallagher, RN	
5:30PM – 6:15PM	<b>Committee Meetings</b> <i>*New members welcome!</i>			
	<b>Applications Committee</b>	<i>Mission Hills</i>	<b>Public Affairs Committee</b>	<i>Ambassador</i>
	<b>Allied Health Committee</b>	<i>Oasis</i>	<b>International Affairs Committee</b>	<i>Rancho Mirage</i>
6:00PM – 8:00PM	<b>Poster Networking Evening in Exhibit Hall</b> <i>Please join us for a drink, hors d'oeuvres, and to visit the abstract posters.</i>		<i>Celebrity EFGH &amp; Foyer</i>	
7:30PM – 9:30PM	<b>Corporate Symposium Slot</b>		<i>Oasis</i>	

**CONFERENCE DAY 2: Friday, May 6, 2016**

6:00AM – 7:00AM	<b>5K Fun Run</b> (Pre-registration with ASFA and Additional Registration Fees Required) <i>Get your blood flowing and join your colleagues for a fun run through the beautiful Westin Mission Hills property.</i>		<i>Oasis Courtyard</i>
7:00AM – 5:30PM	<b>Meeting Registration</b>		<i>Celebrity Foyer</i>
7:00AM – 8:30AM	<b>Continental Breakfast</b>		<i>Celebrity Foyer &amp; Plazas</i>
7:00AM – 8:30AM --Concurrent Session	<b>Breakfast with the Expert II</b> (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.</i>		<i>Masters Plaza</i>
	<b>Chair:</b> Patricia Fredrich, RN, BSN		
	Red Cell Exchange		Shannon Kelly, MD
	Pediatric IV Access		Leon Su, MD
	Meet the JCA Editor		Jeffrey L. Winters, MD
	Therapeutic Apheresis (Spanish)		Marisa B. Marques, MD
	Validation		Theresa C. Stec, BA, MT(ASCP)
	Implementation of Pathogen Inactivation		Margaret Hannan, LPN, AT(ASCP)



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	Mobile Apheresis Challenges	Bryan Prentice, RN, MSN
	Cellular Collections and Mobilization	Biljana Horn, MD
	Lipoprotein Apheresis	Robin Willis, RN, HP, BSN
	Credentialing for Apheresis Medicine Physicians & Practitioners	Chester Andrzejewski, MD, PhD, FCAP
	Renal Indications for Therapeutic Apheresis	Rasheed Balogun, MD, FCAP, FASN, HP(ASCP)
	Graduate Medical Education: How to Assess Physician Competency and Fulfill OPPE for Apheresis?	Walter Linz, MD, MBA
7:00AM – 9:00AM – Concurrent Session	<b>Qualification in Apheresis (QIA) Exam</b> Bring your laptop and write the QIA exam with the support of your colleagues! <i>*Note: Computers are not provided; please bring your own laptop. In addition, you must have applied for and met the eligibility requirements in advance of sitting the exam.</i>	Oasis
10:00AM – 4:30PM	<b>Exhibit Hall Open</b>	Celebrity EFGH & Foyer
8:45AM – 12:15PM --Concurrent Session	<b>Scientific Symposium: Curing Disease with Cellular Therapy</b>	<b>Celebrity ABCD</b>
	<b>Chairs:</b> Jill Adamski, MD, PhD & Nicole Aqui, MD	
	8:45AM – 9:30AM	Cellular Therapy Overview Nicole Aqui, MD & Jill Adamski, MD, PhD
	9:30AM – 10:15AM	Building Synthetic Immunity to Cancer Using Chimeric Immunoreceptors Michael C. Milone, MD, PhD
	10:15AM – 10:45AM	<b>Break in Exhibit Hall</b> Celebrity EFGH & Foyer
	10:45AM – 11:30AM	Familial Haploidentical Allogeneic Stem Cell Transplantation in Patients with High-Risk Sickle Cell Disease (SCD) Mitchell S. Cairo, MD
	11:30AM – 12:15PM	Unravelling the Saga of MSCs Edwin M. Horwitz, MD, PhD
9:15AM – 10:15AM --Concurrent Session	<b>Education Session III: Basic Therapeutics</b>	Rancho Mirage
	<b>Chairs:</b> Patricia Fredrich, RN, BSN & Antonia Hagen-Coonradt	
	9:15AM – 9:45AM	Red Cell Exchange Sonja Vozniak, RN, BSN
	9:45AM – 10:15AM	Mobile Therapeutic Apheresis Melinda Caltabiano, BA, MPA
10:15AM – 10:45AM	<b>Break in Exhibit Hall</b>	Celebrity EFGH & Foyer
10:45AM – 12:15PM --Concurrent Session	<b>Education Session IV: International Committee Session</b>	Rancho Mirage
	<b>Chairs:</b> Christine Fernandez, RN, MSN & Quentin Eichbaum, MD, PhD, MPH, MFA, FCAP, FASCP	
	10:45AM – 11:05AM	Plasma Exchange Around the World - A Perspective from Africa Colwyn Poole, MBChB



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	11:05AM – 11:25AM	Red Blood Cell Exchange Around the World - A Perspective from Africa	Colwyn Poole, MBChB
	11:25AM – 11:45AM	Extracorporeal Photochemotherapy (ECP) Around the World	Paolo Perseghin, MD
	11:45AM – 12:05AM	The International Approach to Marginal Groups (Pediatrics and Geriatrics)	Volker Witt, MD
	12:05PM – 12:15PM	Discussion	
12:30PM – 1:30PM	<b>Corporate Symposium Slot 2</b> (open to all registered delegates)		Oasis
12:30PM – 1:30PM	<b>Corporate Symposium Slot 3</b> (open to all registered delegates)		Ambassador
12:45PM – 1:30PM	<b>Lunch in Exhibit Hall</b>		Celebrity EFGH & Foyer
1:45PM – 2:30PM	<b>ASFA Annual General Meeting and Sweets</b> (ASFA members only) Members – please join us for coffee and dessert and to learn more about ASFA’s activities, financials and leadership.		Celebrity ABCD
2:30PM – 4:30PM – Concurrent Session	<b>Qualification in Apheresis (QIA) Exam</b> Bring your laptop and write the QIA exam with the support of your colleagues! *Note: Computers are not provided; please bring your own laptop. In addition, you must have applied for and met the eligibility requirements in advance of sitting the exam.		Oasis
2:45PM – 5:15PM --Concurrent Session	<b>Abstract Session I: Therapeutic Apheresis</b> ★ Denotes an abstract award winner.		Celebrity ABCD
	<b>Chairs:</b> Christine Fernandez, RN, MSN & Yara Park, MD		
	2:45 PM – 3:00 PM	Total and Low-Volume Plasma Exchange in Alzheimer’s Disease: Interim Data on Safety, Tolerability and Feasibility from the Ambar Trial	Antonio Páez
	3:00 PM – 3:15 PM	Tandem Procedures Associated with Therapeutic Apheresis: A Multidisciplinary Approach at a High Volume Pediatric Center	Rachel M. Sirignano, MD
	3:15 PM – 3:30 PM	Plasmapheresis for Intractable Itch in Chronic Cholestatic Liver Disease	Oourania Varsou
	3:30 PM – 3:45 PM	Comparison of Norfolk Sport Port and Angiodynamic Vortex Ports for Therapeutic Plasma Exchange	Rebecca Dill, RN
	4:15 PM – 4:30 PM	Therapeutic Plasma Exchange in Patients with Hypertriglyceridemic Pancreatitis: When is it Indicated?	Jan C. Hofmann, MD, MPH
	4:30 PM – 4:45 PM	Clinical Factors Associated with Cardiac Allograft Recovery in Response to Therapeutic Plasma Exchange	Oluwatoyosi Onwuemene, MD
	4:45 PM – 5:00 PM	Surveillance of Post-Procedure Red Cell Gain/Loss Following Red Cell Exchange Procedures with and Without Depletion in Pediatric Sickle Cell Patients: A Single Institution Experience	Leon Su, MD
	5:00 PM – 5:15 PM	Hemoglobin S Change in Patients with Sickle Cell Disease Undergoing Chronic Red Cell Exchange for Stroke Prevention	Rance C. Siniard, MD
2:45PM – 5:15PM --Concurrent Session	<b>Abstract Session II: Donor Apheresis</b> ★ Denotes an abstract award winner.		Rancho Mirage
	<b>Chairs:</b> Wanda Koetz, RN, HP(ASCP) & Shanna Morgan, MD		
	2:45 PM – 3:00 PM	CD34 Collection Efficiency in the Allogeneic, Unrelated PBSC Donor – Insights for Optimizing Collections	Wanda B. Koetz, RN, BA, HP(ASCP)



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★	3:00 PM – 3:15 PM	Impact of a Data-Driven Prediction Algorithm for Blood Volume Processing in Peripheral Blood Stem Cell Collection	Patricia A. Fredrich, RN
	3:15 PM – 3:30 PM	Proposed Formula for use by National Marrow Donor Program to Predict Volume to Process to Reach Target CD34 Dose	Lohith Bachegowda, MD
	3:30 PM – 3:45 PM	Comparison of the Efficacy on Granulocyte Yield of G-CSF plus Dexamethasone versus G-CSF Alone Mobilization Regimens in Granulocytapheresis Donors Over 20 Years	Hong Hong, MD
	4:15 PM – 4:30 PM	Microparticle Concentrations in Donor Blood, Apheresis Platelet Concentrates and their Potential Importance for Recipients	Daniel Millar
	4:30 PM – 4:45 PM	Comparison of Hematopoietic Progenitor Cell (HPC) Collection Using the New Spectra Optia Continuous Mononuclear Cell (CMNC) Collection Program vs. The Spectra Optia Mononuclear Cell (MNC) Program	Edwin A. Burgstaler, MT, HP(ASCP)
	4:45 PM – 5:00 PM	Extended Performance and Patency of Femoral Lines in Pediatric Patients Undergoing Autologous Peripheral Blood Stem Cell Collection	Laura Cooling, MD, MS
5:00 PM – 5:15 PM	Frequent Occurrence of Procedure-Associated Thrombocytopenia in Older, Related Allogeneic Peripheral Blood Stem Cell Donors: A Donor Safety Pilot Study by the ASFA HPC Subcommittee	Laura Cooling, MD, MS	
2:45PM – 3:45PM --Concurrent Session	<b>Education Session V: Photopheresis</b>		<i>Ambassador</i>
	<b>Chairs:</b> Jill Adamski, MD, PhD & Alicia Garcia, RN, HP(ASCP)		
	2:45PM – 3:15PM	Technical Challenges	Lindsay Palomino, RN, BSN, HP
	3:15PM – 3:45PM	Quality	Joanna Wigfield, DO
3:45PM – 4:15PM	<b>Break in Exhibit Hall</b>		<i>Celebrity EFGH &amp; Foyer</i>
4:15PM – 5:15PM --Concurrent Session	<b>Education Session VI: Pediatrics</b>		<i>Ambassador</i>
	<b>Chairs:</b> Keith Quirolo, MD & Patricia Fredrich, RN, BSN		
	4:15PM – 4:35PM	Case Study 1: Pediatric Plasma Exchange	Robin Willis, RN, HP, BSN
	4:35PM – 4:55PM	Case Study 2: Leukoreduction	Alicia Garcia, RN, HP(ASCP)
	4:55PM – 5:15PM	Case Study 3: Red Cell Exchange	Leon Su, MD
4:30PM – 5:30PM	<b>Poster Move Out</b>		<i>Celebrity EFGH &amp; Foyer</i>
4:30PM – 8:00PM	<b>Exhibit Hall Move Out</b>		<i>Celebrity EFGH</i>
5:15PM – 6:00PM	<b>Committee Meetings</b> <i>*New members welcome!</i>		
	<b>Communications Committee</b>	<i>Rancho Mirage</i>	<b>Physicians Committee</b>
	<b>Membership Committee</b>	<i>Celebrity ABCD</i>	<b>Education Committee</b>
			<i>Ambassador</i>
			<i>Mission Hills</i>



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CONFERENCE DAY 3: Saturday, May 7, 2016		
7:00AM – 12:30PM	<b>Meeting Registration</b>	<i>Celebrity Foyer</i>
7:00AM – 8:30AM	<b>Continental Breakfast</b>	<i>Celebrity Foyer</i>
7:00AM – 8:30AM --Concurrent Session	<b>Breakfast with the Expert III</b> ( <i>First-come, first-served – arrive early for your favorite topic!</i> ) <i>Join us for roundtable discussions with experts in the field on the topics below.</i>	<i>Masters Plaza</i>
	<b>Chair:</b> Robin Willis, RN, HP, BSN	
	Quality Connection Forum	Patricia Fredrich, RN, BSN
	Discovery of Apheresis Apps	David Ward, MD
	Immunotherapy and Collection of the Unstimulated Donor	John Manis, MD
	Emerging Indications for Therapeutic Apheresis	Jill Adamski, MD
	Pediatric Apheresis	Alicia Garcia, RN, HP(ASCP)
	Pediatric Photopheresis	Leon Su, MD
	Advancing Apheresis Practice through Research, Case Studies, & Publications	Robert Weinstein, MD
	Red Cell Exchange	Jay S. Raval, MD
	Atypical HUS	Tina Ipe, MD, MPH
	Expanding and Maintaining Your Donor Pool	Jeannie Gardener, RN, HP
	ASFA Mentorship	Lee F. Clough, RN, BSN, HP(ASCP)
	Graduate Medical Education: The Physician Perspective of Mobile Apheresis Units	Beth Shaz, MD & Jan C. Hofmann, MD, MPH
8:45AM – 12:15PM --Concurrent Session	<b>Closing Symposium: Emerging Indications and Alternative Therapies</b>	<i>Celebrity ABCD</i>
<b>Chairs:</b> Bruce Sachais, MD, PhD & Jill Adamski, MD, PhD		
8:45AM – 9:30AM	Emerging Indications in Apheresis from the JCA 2016 Special Issue	Anand Padmanabhan, MD, PhD
9:30AM – 10:15AM	LDL Apheresis as a New Treatment for FSGS	David Ward, MD
10:15AM – 10:45AM	<b>Break in Foyer</b>	<i>Celebrity Foyer</i>
10:45AM – 11:30AM	Novel Extracorporeal Therapies Targeting Critically Ill	Ayan Sen, MD



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	11:30AM – 12:15PM	Column Therapy	Volker Witt, MD
8:45AM – 10:15AM --Concurrent Session	<b>Education Session VII: ASFA &amp; AABB Joint Session - Emerging Blood Products to Support Future Transfusion Services:</b>		<i>Rancho Mirage</i>
	<b>Chairs:</b> Margaret Hannan, LPN, AT (ASCP) & Claudia Cohn, MD, PhD		
	8:45AM – 9:25AM	Introduction and Platelets	Beth Shaz, MD
	9:25AM – 10:05AM	Plasma and Red Blood Cells	Claudia Cohn, MD, PhD
	10:05AM – 10:15AM	Question and Answer Period	
10:15AM – 10:45AM	<b>Break in Foyer</b>		<i>Celebrity Foyer</i>
10:45AM – 12:15PM --Concurrent Session	<b>Education Session VIII : Cellular Therapy</b>		<i>Rancho Mirage</i>
	<b>Chairs:</b> Hien Liu, MD & Debbie Ferrell MSN, RN, HP(ASCP)		
	10:45AM – 11:15AM	CAR-T Cells	Una O’Doherty, MD
	11:15AM – 11:45AM	Technical Challenges with the Unmobilized Patient	Christine Fernandez, RN, MSN
	11:45AM – 12:15PM	Gene Therapy	John Manis, MD
12:15PM – 1:30PM	<b>Post-conference ASFA Board of Directors Meeting (by invitation only)</b>		<i>Mission Hills</i>