HIGHLIGHTS OF THE MEETING
LIFETIME ACHIEVEMENT AWARD

SIR TERENCE ENGLISH, KBE, FRCS
OXFORD, UNITED KINGDOM

THE 2014 LIFETIME ACHIEVEMENT AWARD RECIPIENT

The lifetime achievement award is bestowed every other year to an ISHLT member who is recognized for their outstanding achievements and tireless dedication in the field of heart and lung transplantation.

A lecture will be given by Sir Terence English, KBE, FRCS, the 2014 recipient of the Lifetime Achievement Award, in the Opening Plenary Session.
Basic Science and Translational Research (BSTR) will be showcased like never before at ISHLT 2014. The ISHLT Academy: Core Competencies in Basic Science will be held on Wednesday, providing an opportunity for delegates to gain or refresh knowledge in the fundamentals of basic science. On the following day, during the pre-meeting symposia, Lung Transplant Immunology 201-Plus, will provide an extension course for Academy attendees and Annual Meeting delegates alike, while a Sunrise Symposium primer for budding researchers, Lab Methods 101, will shed light where there is currently only darkness. BSTR will really take to the sky during the pre-meeting symposia on Thursday when the leaders in the field will use a case based discussion format to ‘decode’ the early engraftment events that control graft survival and to expose the role of primary graft dysfunction, TH17 skewing of the immune response, allo- and auto-immunity in the chronic loss of the pulmonary allograft. Finally, in what will surely be two of the highlights of the meeting, Lori West will tell how, on the ‘Wings of Science’ the crazy idea of ABO incompatible heart transplantation became a reality and then, in the closing plenary session, how one might trade the ABO and HLA sensitization hands one is often dealt to improve long-term outcomes.
HEART TRANSPLANTATION

ISHLT 2014 will offer new insights into some of the most intriguing and provocative areas of Heart Failure and Transplant Medicine and Heart Transplantation. There are three Pre-Meeting Symposia, two Sunrise Symposia and a Concurrent Symposium, all of which are guaranteed to keep your interest so that you don’t wander to the beach or to Petco Park to watch the Padres play baseball. We believe that you will be enthralled by these programs. The Pre-Meeting Symposia will highlight areas of emerging technologic advances and of controversies. We will explore the use of ex-vivo support of donor hearts to expand organ availability and to recondition and optimize donor heart function. Speaking at this Symposium will be experts who are working to make this technology the standard of care. The next Symposium will tackle the issue of when to transplant and when to VAD. Current outcomes for each approach to advanced heart failure as well as patient selection will be addressed as will when palliative care is a more appropriate option than aggressive interventions. These two Symposia were developed jointly with the Mechanical Circulatory Support (MCS) Council. The third Symposium will highlight the “sexiest” controversies in end-stage heart failure and transplantation and will include both talks and debates by experts in the various fields. This Symposium was developed in concert with enthusiastic input from the MCS and BSTR Councils. The Sunrise Symposia will discuss the somewhat neglected but very important topic of exercise training in heart transplantation as well as endothelial dysfunction in advanced heart failure, MCS and heart transplantation. Finally, a Concurrent Symposium will address the vexing and controversial area of how to approach the sensitized patient awaiting heart transplantation.
At ISHLT 2014, join our experts to learn more about the fungus among us in our Pre-Meeting Symposium entitled **Invasive Fungal Infections Among Cardiothoracic Transplant Recipients: Consensus Guidelines and Recommendations From The ISHLT Fungal Expert Panel** as well as the conundrum of multi-drug resistant infections in Bad Bugs? Optimize the Drugs! For the coffee-fueled early birds, the meeting itself will feature two Sunrise Symposia on managing donors with high risk of infections **(High-Risk Donor: Extending Our Criteria in Times of Organ Shortage)** and the challenges of navigating modern molecular diagnostics and therapies for infectious complications of cardiothoracic transplant in the cleverly titled **What You Always Wanted To Know About LISH (Laboratory Tests, Infectious Agents, Special Situations, Hidden Infections) But Were Afraid To Ask.** There will continue to be a focus on the infectious complications of mechanical circulatory support with a multidisciplinary cast of characters including everyone from infectious diseases specialists to surgeons in the Concurrent Symposium, **Infections in Mechanical Circulatory Support Devices – Understanding and Conquering the Beast.** Other great infectious diseases highlights will include sessions on infections in pediatrics, lung transplantation, concurrent oral abstract sessions and the final plenary. Catch some infections (knowledge, that is) if you can!
LUNG FAILURE AND LUNG TRANSPLANTATION

At ISHLT 2014, there will be four Pre-Meeting Symposia and two Sunrise Symposia with primary content of interest for any lung transplant healthcare professional, and many of the other symposia taking place at the meeting, such as those addressing infectious disease, basic science, nursing, pharmacy, pediatrics and pulmonary hypertension, will have content of interest to the lung transplant professional. This year we will highlight two exciting areas in our field aimed at increasing the availability of organs for our patients: DCD donors and EVLP. The Pre-Meeting Symposium on DCD donors will explore their use across the globe, highlighting challenges and successes and hopefully help all of us learn more and utilize this resource the best possible way. The Pre-Meeting Symposium on EVLP will discuss its history and the ways it has been utilized in different regions (cold vs. warm transport) and where the future might take us. In addition, another Pre-Meeting Symposia will address controversial issues on patient selection, including frailty, infections and transplant from extra corporeal life support (a very exciting debate between two past presidents of the Society). Our last Pre-Meeting Symposium will address our perennial nemesis, chronic lung allograft dysfunction and its many faces. This session will bring pathologists in and discuss the clinical and pathological issues of restrictive vs. obstructive CLAD. All these sessions will take place on Thursday, April 10th. Our Sunrise Symposia will include a session on CMV and what is new from a basic science perspective to restoration of T-cell immunity to CMV resistance with talks from experts in the field. We will have a session with popular debates on controversial issues, like sizing organs to make them fit, using single vs. double lung transplant and transplant for scleroderma.
ISHLT 2014 will showcase clinical care and research initiatives through a diverse program of informative sessions relevant to the nursing, health science and allied health community. The ISHLT Academy: Core Competencies in Nursing, Health Science and Allied Health, taking place on the Wednesday immediately prior to the start of the Annual Meeting on Thursday, will offer an invaluable educational resource in the fields of nursing and health sciences for transplant-related core competencies. The Pre-Meeting Symposia will highlight two symposia developed jointly with other Councils and titled, Here They Come: Preparing Pediatric Patients for Transition to Adult Care and Frailty: How Do We Assess this Physiologic Variable and At What Point Does It Represent a Contraindication to Transplant? Two Sunrise Symposia will draw together speakers and members from various disciplines as they examine The Effects of Prostaglandin Therapy in PAH: The Seen and Unseen Risk/Benefit Profile and VAD Teams Working Across Different Countries: How To Do It. To finish, a plenary session lecture will explore The Invisible Team Member: Family Caregivers of Thoracic Transplant and Mechanical Circulatory Support Patients to emphasize the importance of engaging and supporting these important team members. During these highlighted sessions, participants will gain key information concerning new assessment and interventional strategies to enhance clinical outcomes and quality of life for patients and their caregivers.
MECHANICAL CIRCULATORY SUPPORT

ISHLT 2014’s scientific content will highlight some of mechanical circulatory support’s most captivating topics. The speakers will tackle the perioperative management of complex heart failure challenging postoperative VAD complications. There are also early morning sessions on building a VAD program and shared care along with how to run the pump and the effect on the aortic valve. There are many MCS-focused symposia that have been devised with other ISHLT councils to improve multidisciplinary educational content. Topics includes a wonderful symposium developed with the BSTR and JFT Councils reviewing the impact of mechanical circulatory support on myocardial cellular function; a concurrent session developed with the ID Council on device infections, biofilms and medical imaging; a session developed with the NHSAH Council on shared care and physician outreach; a session developed with the PED and JFT Councils on building a successful pediatric VAD to adult transition program; and a phenomenal symposium developed with the PHARM Council discussing diagnosis of VAD thrombosis and pharmacologic interventions for the prevention and treatment of LVAD-associated thrombosis. The MCS-focused educational content offers input from the experts and the latest in MCS scientific investigation.

PEDIATRICS

For members interested in pediatric topics, ISHLT 2014 promises to be busy and enlightening. In a series of Thursday Pre-Meeting Symposia, you will hear experts discuss Preparing pediatric patients for transition to adult care, The evolution, the biology and the limits of ABO incompatible heart transplantation, Developing a pediatric VAD program and State of the art update on infectious diseases in pediatric thoracic transplantation. And if you have ever wondered Why not infant lung transplantation?, a Sunrise Symposium during the meeting is planned just for you.
PULMONARY HYPERTENSION

We are very pleased to present an outstanding program at ISHLT 2014 that covers a diverse range of innovations and controversial topics in Pulmonary Hypertension. There are four Pre-Meeting Symposia, three Sunrise Sessions and one Concurrent session that will highlight the latest clinical consensus statements, discuss the emerging sciences and pose questions to the experts and audiences for discussion and feedback. These sessions will be of keen interest to all members of ISHLT engaged in the care of patients with cardiopulmonary disease and right heart failure. To kick off the meeting, Pre-Meeting Symposium 2: Pulmonary Hypertension… You Can’t Ignore It any Longer will tackle the controversial area of managing patients with lung disease and pulmonary hypertension, WHO Group III, focusing on patients with ILD, COPD and sarcoidosis. Next, what better place to focus on all the latest exciting developments in chronic thromboembolic pulmonary hypertension (CTEPH) than San Diego! Pre-Meeting Symposium 8: CTEPH: Busting the Clot features both medical and surgical aspects in managing CTEPH patients with presentations highlighting the emerging new treatment, riociguat, as well as a debate to consider exercise-induced PH as an indication for pulmonary thromboendarterectomy. Pre-Meeting Symposium 14: Treating All Stages of Severe PH: Are We Doing it Right? will discuss the emerging basic sciences focusing on mechanisms and management approaches for patients with severe PH and right heart failure, from pulmonary vasodilators to mechanical supports. We are also very excited to present to you the ISHLT and World Symposium on PH (WSPH) Consensus Initiative on PH and Left Heart Disease in Pre-Meeting Symposium 20, which will present discussions asking what are the important hemodynamic variables in those with advanced heart failure and PH? There are two excellent and novel Pharmacy Council sessions focusing on PH. Concurrent Symposium 6 will present the Lifecycle Journey of a patient facing PAH, focusing on clinical milestones and challenges that face these patients from diagnosis to advanced stages of disease. Sunrise Symposium 7: The Effects of Prostaglandin Therapy in PAH: The Seen and Unseen Risk/Benefit Profile explores all
the effects, both seen and unseen, in patients associated with parenteral prostanoid treatments. We are also very pleased to bring you a “How To” session, featuring oft asked questions regarding PA catheters in our Sunrise Symposium 12. You will get to engage in discussions regarding how to do volume loading, when to use vasodilator testing and how to utilize exercise RHC and what the results mean. Finally, don’t miss the Sunrise Symposium 2, Under Too Much Pressure, which will feature challenging cases with expert panelists to lead the discussions. The grand finale, during the Closing Plenary session, will feature a debate you don’t want to miss: Stop Treating Secondary PH Right Now! See which side you will vote for!

PATHOLOGY

Pathology will provide some very important content again at ISHLT 2014 in a number of symposia. The Many Faces of Chronic Lung Allograft Dysfunction will explore the clinical, radiologic and pathologic aspects of obstructive and restrictive allograft disorders that affect transplant recipients. Approach to the Highly Sensitized Patient Awaiting Heart Transplantation will examine diagnostic and therapeutic strategies for presensitized patients. The 2013 Working Formulation for Cardiac AMR will be discussed. The topic of mixed acute cellular rejection and antibody mediated rejection in cardiac transplant recipients will be addressed in Outcomes and Considerations in the Management of Mixed Rejection. The immunologic, histopathologic and clinical aspects of diagnosis and treatment will be addressed.

PHARMACY AND PHARMACOLOGY

The diverse nature of the Pharmacy and Pharmacology Council continues to allow integration of pharmacy professionals into several areas of Society interest. Pharmacy and Pharmacology professionals as well as the broad membership of the Society will benefit from the many learning opportunities provided by symposia constructed for ISHLT 2014. There will be three symposia, the first, developed with the PH Council, is the annual lifecycle
journey, this year focusing on pulmonary hypertension. Continuing the PH theme, second session, developed in conjunction with the NHSAH Council, focuses on The Effects of Prostaglandin Therapy in PAH: The Seen and Unseen Risk/Benefit Profile. The third session, Making Bloody Sense of Anticoagulation, was developed in conjunction with the MCS Council and examines the challenges of anticoagulation and antiplatelet therapy in the MCS population. With our ID Council colleagues, we developed multiple shared sessions: 1) Bad Bugs, Optimize the Drugs and 2) What You Always Wanted To Know About LISH (Laboratory Tests, Infectious Agents, Special Situations, Hidden Infections) But Were Afraid To Ask. As well, the ISHLT fungal expert panel will be presenting the consensus guidelines on invasive fungal infections among cardiothoracic transplant recipients, a hot topic for all of our members. Other sessions that will be of interest to the diverse pharmacy and pharmacology professionals include the following: 1) Treating All Stages of Severe Pulmonary Hypertension: Are We Getting It Right? 2) Infections in Mechanical Circulatory Support Devices – Understanding and Conquering the Beast, and 3) CMV Infection in Lung Transplant Recipients: Are We Ready for Personalized Medicine? For the pediatric practitioners the following symposia may be of interest: 1) Here They Come: Preparing Pediatric Patients For Transition To Adult Care, 2) Crossing Clinical Barriers on the Wings of Science: Evolution of ABO Incompatible Heart Transplantation, 3) Developing A Pediatric VAD Program, and 4) State of the Art Update on Infectious Disease Issues in Pediatric Thoracic Transplantation. And last, Lab Methods 101: What Everyone Needs to Know to Read Basic Transplant Papers looks to be a great primer for the interpretation of basic science literature and the symposia entitled Approach to the Highly Sensitized Patient Awaiting Heart Transplantation should provide some valuable information on strategies for management of this very difficult population.
The Junior Faculty Trainee Council (JFTC) submitted 14 proposals for symposia for ISHLT 2014, most of which were developed jointly with other councils. The JFTC is excited to have had 6 of these symposia selected for ISHLT 2014. Topics include a review of endothelial dysfunction and a discussion of the changes that occur at the cellular level during VAD support. In Pediatrics, there will be a symposium addressing that complicated transition of pediatric patients to adult cardiology care, and a “challenging clinical case” symposium investigating pulmonary hypertension conundrums. Finally, the popular “Clinical Case Dilemmas” session and the “JHLT Year in Review” summarizing the best research presented in the Journal with return to the 2014 meeting. These symposia in San Diego 2014 are not to be missed!
The President’s Cocktail Reception will be held Saturday evening, April 12, at the Manchester Grand Hyatt pool deck overlooking the bay.

One ticket to this event is included with all the scientific registration fees. Additional tickets may be purchased.

As always, you can expect plenty of food, drink, music and friends.