Gold Medal Award Winner

The Board of Trustees of the Society for Cardiovascular Magnetic Resonance (SCMR) awarded the 2013 SCMR Gold Medal Award to Stefan Neubauer, MD, Professor of Cardiovascular Medicine at the University of Oxford. The award is presented annually by the SCMR for outstanding achievement in the field of Cardiovascular Magnetic Resonance (CMR) as well as exemplary service to the Society. Dr. Neubauer has excelled in both throughout his distinguished career.

Professor Neubauer began his research in CMR almost 30 years ago, and his work has arguably been the broadest of any investigator in this field. He has pioneered the development and application of CMR methods in both the clinical and experimental settings. The scope of his research has ranged from CMR imaging to spectroscopy, from mice to patients. He has published over 300 peer reviewed manuscripts, with one of his papers – “The failing heart – an engine out of fuel” in the New England Journal of Medicine – cited by his peers over 500 times. He has multiple seminal papers, all cited over 200 times, on a range of myocardial diseases and novel CMR methods to enhance their evaluation.

Dr. Neubauer has dedicated immense time and energy to the SCMR. As President of the Society from 2006-2008, he skillfully guided its continued focus on the improvement and growth of CMR and instituted many of the initiatives to standardize clinical CMR that are in practice today. He was an SCMR board member from 1998-2009 and Program Chair for the highly successful 2004 meeting in Barcelona. He has been on the Editorial Board of the Journal of Cardiovascular Magnetic Resonance since its inception and is presently an Associate Editor.

Dr. Neubauer continues his outstanding research as Professor of Cardiovascular Medicine and Clinical Director of the Centre for CMR Research at Oxford where he runs one of the world's leading clinical and investigational programs. His research has been honored as the Paul Dudley White lecturer at the American Heart Association and the Sir Thomas Lewis Lecturer at the British Cardiovascular Society.

Just as important, Dr. Neubauer has a noteworthy track record as a teacher and mentor. Many of his innumerable students and fellows have won young investigator awards and gone on to distinguished careers in their own right.

Dr. Orlando Simonetti, chair of the selection committee, said: “Once again this year, several excellent candidates were nominated for the award. Dr. Neubauer stood out for both his tireless devotion to the Society as well as his outstanding contributions to the field of CMR.”

On receiving the award, Professor Neubauer said: “I am absolutely delighted and deeply honored to receive this award. I am most grateful to the Society for recognizing my contributions to SCMR and to the field of CMR in this way. My heartfelt thanks also go to the many colleagues and co-workers I was able to work with over the past 25 years. They all made important contributions to make this achievement possible.”

Dr. Neubauer's accomplishments, in both his dedication to the SCMR and his extensive research career in the field of CMR, are deserving of the highest commendation of the Society, and we congratulate him as the recipient of the 2013 SCMR Gold Medal Award.
2013 SCMR Scientific Sessions Highlights

Abstract, Web Case of the Year and JCMR Best Manuscript Award Winners

With a record attendance of 1427 registrations, this year’s SCMR Scientific Sessions were once again a very successful opportunity to update current knowledge on CMR as well as interact with other SCMR members. A special note should be highlighted on the quality of the abstracts presented this year with over 602 presentations being shown. The International Society for Magnetic Resonance in Medicine (ISMRM) Jointly Sponsored Workshop “New Horizons in High-field Cardiovascular Imaging: Promises and Progress” certainly contributed in great ways to this achievement. A special manuscript summarizing the main discussions and presentations during the meeting can be found in an upcoming paper in JCMR and the complete abstract list can be downloaded here: http://www.jcmr-online.com-supplements/15/S1

Abstracts

1. Early Career Award – Basic Science: Behzad Sharif - Cedars-Sinai Medical Center
   (O-3) Eliminating Dark-Rim Artifacts in First-Pass Myocardial Perfusion Imaging

2. Early Career Award Abstract – Translational: James Harrison – King’s College London
   (O-18) Magnetic Resonance Imaging of Acute and Chronic Atrial Ablation Injury – A Histological Validation Study

   (O-68) Patients with Dilated Cardiomyopathy (DCM) Have Appropriate Myocardial Oxygenation Response to Vasodilator Stress

4. Moderated Poster Session 1 – Kathryn Broadhouse – Imperial College
   (M-7) Quantification of Aortic Pulse Wave Velocity in Preterm Infants Using 4D Phase Contrast MRI

5. Moderated Poster Session 2 – Daniel Kuetting – University of Bonn
   (M-11) Assessment of Cardiac Dyssynchrony: A Comparison of Velocity Encoded Imaging and Feature Tracking Analysis

6. Best Technologist Abstract – Celia O’Meara – University College London Hospitals
   (T-1) Initial Experience of Imaging Cardiac Sarcoidosis Using Hybrid PET-MR – A Technologist’s Case Study

7. Best abstracts SCMR/ISMRM Workshop – Best Oral Abstract Presentation: Gabriel Camargo - CDPI – Clinica de Diagnostico por Imagem
   W8: Myocardial Iron Quantification Using Modified Look-Locker Inversion Recovery (MOLLI) T1 Mapping at 3 Tesla

8. Best Poster: Johannes Krug - Otto-von-Guericke University of Magdeburg
   W33: Improved ECG Based Gating in Ultra High Field Cardiac MRI Using an Independent Component Analysis Approach

Best Web Case of the Year

Robert Huggert – Russells Hall Hospital
(Case-1) Post Pericardiectomy for Constriction – Late Complication

Gerald Pohost JCMR Best Manuscript Award

1st Place - Jurg Schwitter – University Hospital Lausanne
Superior diagnostic performance of perfusion-cardiovascular magnetic resonance versus SPECT to detect coronary artery disease: The secondary endpoints of the multicenter multivendor MR-IMPACT II (Magnetic Resonance Imaging for Myocardial Perfusion Assessment in Coronary Artery Disease Trial)

2nd Place - Peter Kellman - NIH
Extracellular volume fraction mapping in the myocardium, part 1: evaluation of an automated method

3rd Place – Choukri Mekkaoui – Harvard Medical School
Fiber architecture in remodeled myocardium revealed with a quantitative diffusion CMR tractography framework and histological validation
2013 SCMR Scientific Sessions Highlights

Interview with the 2013 Scientific Program Chair Dr Jeanette Schulz-Menger

Yet it was another very successful SCMR Scientific Sessions that brought to San Francisco a record number of 1427 attendees.

We interviewed Prof Jeanette Schulz-Menger, Program Chair SCMR 2013 to summarize with her this year's meeting.

What were the highlights of this year's program?

The opening plenary session was atypical and innovative in the sense that included talks and topics that were not previously incorporated in such a session. The talk on fat imaging by CMR by Dr Lamb was fascinating and stimulating. The talk on neuroimaging and its translation aspects into cardiovascular imaging was inspirational to me, and I am sure, to many other colleagues by stimulating out-of-the-box thinking. Dudley Pennell's talk on diffusion tensor imaging was also exceptional in the sense that it clearly demonstrated how far the boundaries in the diagnosis of cardiomyopathies have been pushed. The application of this promising technique in this field is fascinating and extremely promising.

What about the meeting's format?

The 3 parallel tracks worked very well as in previous years with the congenital track being particularly well attended. The early-bird sessions on “Physics for the cardiologist” and “Cardiology for the physicist” have become extremely popular and the rooms were always full despite the early hour. The new format this year with different speakers and shorter lectures proved successful. And now most of the sessions can be accessed online by members which is a great educational advantage of SCMR membership.

What was your impression of the abstract and case sessions?

To begin, the Best Web Case session included a broad breath of topics from congenital to cardiac masses, ischemic heart disease and cardiomyopathy reflecting the increased number of cases submitted to the SCMR website throughout the year. The overall impression on the case sessions was of an improvement in quality and diversification with cases from all over the world.

All oral abstract sessions were preceded by an introductory talk which was also a new format promoted this year which helped attendees understand the abstracts presented in a more complete scenario.

The e-posters sessions were also something new this year opening opportunities to increase the number of posters presented and also allowing for a new format of presentation which included movies and high definition figures.

I would also like to mention and congratulate all winners of best early career translational, basic and clinical awards, as well as the moderated poster session winners, ISMRM/SCMR Workshop best oral and poster abstracts and best technologist abstract. Finally, during the sessions the best Web Case of the Year and the Gerald Pohost JCMR Best Manuscript Award were also announced along with the more than deserved Gold Medal Award to Dr Stefan Neubauer (for all winners and for the Gold Medal Award story, please refer to pages 1 and 2 of the newsletter).

New SCMR working group on “Women in CMR”

The first meeting took place during the SCMR 2013 Scientific Sessions in San Francisco. The aim of the group is 1) to encourage SCMR to promote methods to increase women representative in leadership positions, reflecting the large number of female members in the society, 2) support and inspire female research (women's specific cardiac diseases, opportunities for female researchers). This was fostered by the SCMR Newsletter interview on “Women in CMR” (edition 1/2013, January 2013) promoted by the Newsletter editors.

If you are interested in participating to this group, please email Dr Bucciarelli-Ducci at c.bucciarelli-ducci@bristol.ac.uk

What is your impression of the abstract and case sessions?