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STIFTUNG DES BÜRGERLICHEN RECHTS



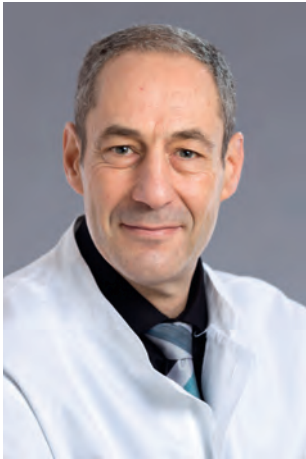
The AV Canal

Keeping it in balance

12th DHZB Lange Symposium
September 17/18, 2016, Berlin



dbb forum berlin
Friedrichstraße 169–170 • 10117 Berlin



Dear colleagues,

For 2016 we would again like to invite you to our symposium in Berlin.

The 12th DHZB Lange Symposium for Congenital Heart Disease will take place on September 17 and 18, 2016 at the dbb forum berlin, Friedrichstr. 169/170, 10117 Berlin.

This year the DHZB Lange Symposium will be held at a new time of year but the venue in the heart of Berlin remains the same. In 2016 the Symposium will look at the complex field of the AV canal with all its facets and difficulties. These lie not only in the great variability in forms of disease but also in the associated need for individual therapy strategies. At this year's Symposium we would like to provide an overview of the current standards and discuss possible future developments – both surgical and interventional.

The two-day Symposium will again bring together clinical and research experts from Germany, Europe, the USA and Australia to present an exciting and innovative program. Their contributions will lead us into the fascinating and highly complex world of the AV canal and reflect comprehensive treatment strategies. We are already looking forward to stimulating lectures and interactive discussions. Discussion will again have a special place, to encourage interaction between the participants and the speakers and chairpersons.

The main topics will be:

Basics

Highlight Session – Keep it in balance

The Balanced AV Canal – All you need is surgery

New Approaches

The Sunday Morning Highlight Lecture

AV Canal – Losing the balance

The Unbalanced AV Canal

Long-Term Implications: Myocardium – PAH – quality of life

To complement the scientific program there will be an Evening Party on 17 September 2016 in the "Bar jeder Vernunft". After a walking dinner we will be treated to a live band, after which the dance floor will be opened, giving us the opportunity to further relax.

We are very much looking forward to a very interesting symposium and hope that we will be able to welcome you in large numbers in September 2016.

Prof. Dr. med. F. Berger
Director, Dept. of Congenital
Heart Defects/Pediatric Cardiology

Keynote

Professor **Norbert F. Voelkel MD** was born in Bayreuth. At the University Hospital Hamburg pulmonary vascular diseases became a research interest which eventually led in 1977 to the move to the Cardiovascular Pulmonary Research Laboratory at the University of Colorado in Denver, Colorado. In 2007 he moved to the Virginia Commonwealth University (VCU) in Richmond, Virginia, to build the Victoria Johnson Center for Lung Research. His research interests continue to be the cellular and molecular mechanisms of pulmonary vascular remodeling and how the 'sick lung circulation' affects the heart-in-particular right ventricular function.



Professor **Michael Sacks** is the W. A. "Tex" Moncrief, Jr. Simulation-Based Engineering Science Chair. He is a world authority on cardiovascular biomechanics with a focus on the quantification and modeling of the structure-mechanical properties of native and engineered cardiovascular soft tissues and the mechanical behavior and function of the native and replacement heart valves. Dr. Sacks is currently director of the ICES Center for Cardiovascular Simulation and Professor of Biomedical Engineering.



Dr. **Jan Schmoranzner** is a scientist with long-standing interest in developing advanced light microscopy methods to answer cell-/neuro-biological questions. By custom-building, optimizing and applying several advanced bioimaging modes, including TIRF and super-resolution microscopy, he has made numerous contributions to understand the fundamentals of membrane traffic and cytoskeletal dynamics. Currently, he is a group leader for Super-Resolution Microscopy and the head of the Advanced Medical Bioimaging Core Facility (AMBIO) at Charité, Berlin.



Professor **Pedro Del Nido** is Chief of Cardiac surgery and the William E. Ladd Professor of Child Surgery at the Harvard Medical School. Dr. del Nido was born in Santiago, Chile and moved to Wisconsin with his family when he was 10 years old. In Wisconsin he received his medical degree from University of Wisconsin School of Medicine and Public Health and has been in practice for more than 20 years. He is one of the most rewarded pioneers of surgery in congenital heart disease and has a particular interest in valve repair, minimally invasive surgery and robotic tools.



Saturday, September 17, 2016

- 08:30 Opening
09:00 Welcome and „warm up“ Berger

I. Basics

Chairmen: Ovrutskiy / Schubert

Keynote Lecture

- 09:15 Super resolution imaging of cells and tissue Schmoranzer
09:45 AV valve development and tissue maturation Gittenberger-de Groot
10:10 Balanced pathoanatomy Ho
10:35 Bio-mechanical aspects of AV valve function Sacks
10:55 Break

II. Highlight Session – Keep it in balance

Chairmen: Falk / Kühne

Keynote Lecture

- 11:30 Intraoperative imaging of AV valve apparatus Del Nido
12:00 Preoperative image-based decision making Dittrich
12:20 Prognostic imaging: the „machine learning“ approach Rueckert
12:40 Ask the experts
12:55 Lunch

III. The Balanced AV Canal – All you need is surgery

Chairmen: Brizard / Hazekamp

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|-------|---|-----------|
| 14:25 | Standardized surgery in simple AV canal | Photiadis |
| 14:45 | Complex AV canal and associated cardiac disease | Brizard |
| 15:05 | Intermediate type AV canal – one stop surgery? | Kostolny |
| 15:25 | Postoperative management –
fast track or slow (NO) motion? | Haas |
| 15:45 | Ask the experts | |
| 16:05 | Break | |

IV. New Approaches

Chairmen: Del Nido / Photiadis

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|-------|--|----------|
| 16:35 | Interventional solutions on the horizon | Jacobs |
| 16:55 | Avoid replacement by reconstructive surgery | Falk |
| 17:15 | Bail-out procedure –
the growth-adaptive MV replacement | Del Nido |
| 17:35 | Tricuspid valve – other side, another story? | Figulla |
| 17:55 | In silico mitral valve repair | Redaelli |
| 18:15 | Ask the experts | |
| 18:30 | Adjourn | |
| 19:30 | Evening party – connecting people | |

Sunday, September 18, 2016

Sunday morning Highlight Lecture

09:30	Towards truly engineered approaches to AV repair and replacement	Sacks
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VI. AV Canal – Losing the balance

Chairmen: Berger / Kumar

10:00	Prenatal discrimination	Chaoui
10:20	Unbalanced pathoanatomy	Ho
10:40	Postnatal balancing and bridging	Stiller
11:00	Ask the experts	
11:10	Break	

VII. The Unbalanced AV Canal

Chairmen: Dähnert / Stiller

Keynote Lecture

11:40	Mechanisms of ventricular adaptation	Voelkel
12:10	How small is too small?	Ovrutskiy
12:25	Rescuing the unbalanced AV canal to a 2-ventricle physiology	Del Nido
12:45	Palliative surgical approach – one ventricle is better than nothing	Brizard
13:05	Is there a current worldwide minimum standard of care?	Kumar
13:25	Ask the experts	
13:35	Lunch	

VIII. Long-Term Implications: Myocardium – PAH – Quality of life

Chairmen: Voelkel / Dittrich

- | | | |
|-------|--|----------|
| 14:30 | Evidence for pharmacological treatment of the myocardium in congenital heart disease | Pieske |
| 14:50 | Corrected AV canal | Hazekamp |
| 15:10 | Untreated AV canal | Diller |
| 15:30 | Fast or slow – the rhythmic end of a long story | Hebe |
| 15:50 | Round table discussion | |
| 16:05 | Lottery draw | Berger |
| 16:10 | Closing remarks | Berger |
| 16:15 | 12th DHZB Lange Symposium draws to a close | |

Faculty

Prof. Christian Brizard,
M.D., Melbourne, Australia

Prof. Dr. med. Felix Berger,
Berlin

Prof. Dr. med. Rahib Chaoui,
Berlin

Prof. Pedro J. del Nido, M.D.,
Boston, USA

Prof. Dr. med. Ingo Dähnert
Leipzig

Prof. Dr. med. Gerhard-Paul Diller,
Münster

Prof. Dr. med. Sven Dittrich,
Erlangen

Prof. Dr. med. Volkmar Falk,
Berlin

Prof. Dr. med. Hans-Reiner Figulla,
Jena

Prof. Adriana C. Gittenberger-de Groot, PhD,
Leiden, NL

Prof. Dr. med. Nikolaus Haas,
Munich

Prof. Mark G. Hazekamp, M.D.,
Leiden, NL

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Bremen

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London, UK

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Berlin

Prof. Martin Kostolny, M.D.,
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Prof. Dr. med. Titus Kühne,
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Prof. R. Krishna Kumar, M.D.,
Kerala, IND

PD Dr. med. Stanislav Ovrutskiy,
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Prof. Dr. med. Joachim Photiadis,
Berlin

Prof. Dr. med. Burkert Pieske,
Berlin

Prof. Alberto Redaelli, PhD,
Milano, Italy

Prof. Daniel Rueckert, PhD,
London, UK

Prof. Michael Sacks, PhD,
Texas, USA

Dr. Jan Schmoranzer,
Berlin

PD Dr. med. Stephan Schubert,
Berlin

Prof. Dr. med. Brigitte Stiller,
Freiburg

Prof. Norbert Voelkel, M.D.,
Virginia, USA

Under the auspices of:



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Details of sponsorship of the event are to be found on our website: www.lange-symposium.de

Organisation and Registration

Scientific Committee:

Prof. Dr. F. Berger | Prof. Dr. T. Kühne | PD Dr. S. Ovrutskiy | PD Dr. S. Schubert

Organization Committee:

Daniela Moeske-Scholz | Heike Schultz | Sonja Wibbeke

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Registration fee Saturday and Sunday (Euro)

Payment received	regular	reduced*
till 30.06.16	€ 200	€ 150
till 16.09.16	€ 250	€ 170
Onsite registration	€ 290	€ 200
*Students / Nurses		
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„CME-Certified 16 points, EBAC 11 points“

Hope to see you all again at the 13th DHZB Lange Symposium Berlin September 16/17, 2017



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