Pulmonary Atresia
Connecting Heart and Lung

11th DHZB Lange Symposium

January 17/18, 2015, Berlin
Dear colleagues,

For early 2015 we would again like to invite you to our symposium in Berlin.

The 11th DHZB Lange Symposium for Congenital Heart Disease will take place on January 17 and 18, 2015 at the dbb forum berlin, Friedrichstr. 169/170, 10117 Berlin.

Our next Symposium will be devoted to the complex field of pulmonary atresia. The great variations in clinical presentation and the individually tailored strategies necessary to treat this entity will be presented, as will the many developments and achievements in both surgical and interventional treatment that have emerged in recent years.

Top-ranking experts from hospitals and research institutions in Germany, Europe and the USA will give lectures at the two-day Symposium. Their contributions will lead us into the fascinating and highly complex world of pulmonary atresia and reflect the current level of knowledge and expertise as well as expected future developments. We are already looking forward to stimulating lectures and interactive discussion. This time we will again be devoting plenty of time to the discussion part, so as to specifically encourage interaction between the audience and the lecturers and chairpeople.

The main topics will be:

- Basics
- Imaging and modeling in pulmonary atresia
- Treatment – primary connection
- Treatment-specific strategies
- Epigenetic / vasculature
- Complex PA-Patients
- Heart failure
- Long term issues

Beside the scientific program we have organized a party to take place on the Saturday evening, January 17, in the “Wasserwerk” (former waterworks), Hohenzollerndamm 208, 10713 Berlin. After a walking dinner we will be treated to a live performance by the well-known group “SLAWA & special Guests”, and then the dance floor will be opened to give us the opportunity for further relaxation.

We are looking forward, with you, to an interesting symposium and hope that we will be able to welcome you to Berlin in large numbers in January 2015.

Prof. Dr. F. Berger
Director, Dept. of Congenital Heart Disease/
Pediatric Cardiology, DHZB
Ernst Peter Fischer, date of birth: 1947; place of birth: Wuppertal, Germany. Studied mathematics and physics in Cologne, Germany, and biology at the California Institute of Technology in Pasadena (USA) (Doctor title 1977). "Habilitation" (postdoctoral university lecturer qualification) scholarship of the German Research Foundation for research into the history of science (Habilitation 1987). Professor in the history of science, University of Heidelberg; scientific advisor to the German foundation Forum for Accountability; writer of articles and books.

Dominik N. Müller, received his PhD from the Department of Pharmacy at the Free University of Berlin in 1996. He currently heads a group at the Experimental & Clinical Research Center at the Max-Delbrück Center in Berlin-Buch. His major research interests are the renin-angiotensin system, the immune system and how both systems cause hypertension-induced target organ damage. Recent work has extended the concept analyzing how epigenetic factors like high salt influences immune cells, hypertension-induced target organ damage and autoimmunity.

Robert E. Shaddy, MD, is the Jennifer Terker Professor of Pediatrics, Chief of Pediatric Cardiology, and Vice-Chair of Pediatrics at The Children’s Hospital of Philadelphia, and the Perelman School of Medicine at the University of Pennsylvania. He trained in pediatric cardiology at the University of California San Francisco Cardiovascular Research Institute, and spent 21 years at Primary Children’s Medical Center and the University of Utah until moving to the Children’s Hospital of Philadelphia in 2007. Dr. Shaddy's clinical and research interests are in the area of cardiomyopathy, heart failure and heart transplantation in children. He is the site Principal Investigator of the NIH-funded multicenter study of Allo-Antibodies in Pediatric Heart Transplantation and Co-Principal Investigator for the Pediatric Heart Network and the T32 Training Grant in Pediatric Cardiology at The Children’s Hospital of Philadelphia, and the University of Pennsylvania.
I. Basics
Chairmen Gittenberger-de Groot / Berger

08:30 Opening
09:00 Welcome F. Berger

09:05 Embryology: vascular development and disturbances A. C. Gittenberger-de Groot
09:35 Patho-Anatomy of pulmonary atresia S. Y. Ho

10:05 Break

II. Imaging and modeling in pulmonary atresia
Chairmen Beerbaum / Kühne

10:35 CT - Imaging of vessels, parenchyma and airways F. Bamberg
10:50 CT - Fusion of imaging modalities S. Dittrich
11:05 Analysis of lung perfusion P. Beerbaum
11:20 Lumped - heart and vascular models F. van de Vosse

11:50 Ask the experts
Bamberg | Beerbaum | Dittrich | van de Vosse

12:15 Lunch

Keynote Lecture I
13:45 Coming up for Air – Save Science from Drowning E. P. Fischer
III. Treatment – primary connection

**Chairmen**  Ewert / Dähnert

14:30  Indices and Z-scores - the answer to everything  S. Ovrutskiy
14:45  Coronaries - what do we need to know  I. Dähnert

**PRO / CON Session – Connecting the RVOT**

15:00  Initial opening of the RVOT - surgical  C. Schreiber
15:20  Initial opening of the RVOT - interventional  O. Kretschmar
15:40  Round table / Rebuttal  O. Kretschmar / C. Schreiber

15:55  Ask the experts
Dähnert | Ewert | Kretschmar | Ovrutskiy | Schreiber

16:15  Break

IV. Treatment – specific strategies

**Chairmen**  Hraška / Schreiber

16:45  Biventricular repair  V. Hraška
17:05  Univentricular and palliative treatment strategies  A. Horke
17:25  Closing the hole - heaven or hell?  R. Prêtre
17:45  Surgical revalvulation in the 21st century  J. Photiadis
18:05  Interventional revalvulation in the 21st century  S. Schubert

18:25  Ask the experts
Horke | Hraška | Photiadis | Prêtre | Schubert

18:45  Adjourn
19:00  Bus Transfer to the „Wasserwerk“
venue of the Evening Party - Connecting People
*(separate registration necessary, see flyer for details)*

19:30  Evening Party - Connecting people
V. Epigenetic / Vasculature
Chairmen Shaddy / Müller

Keynote Lecture II
09:30 Gut microbiome - a new regulator of cardiovascular disease D. Müller
10:00 Angiogenesis A. R. Pries
10:30 Clinical strategies to stimulate vascular growth M. Gewillig

11:00 Break

VI. The complex PA-Patients
Chairmen Kumar / Photiadis

11:30 Fate of the unconnected R. K. Kumar

Fate of the connected - chronic hypoplastic and stenotic pulmonary vessels
11:50 Wait and see - conservative approach M. Hofbeck
12:10 Knife and patch - surgical approach M. Kostelka
12:30 Full metal jacket - the interventional approach G. Pongiglione

12:50 Ask the experts
Hofbeck | Kostelka | Kumar | Pongiglione

13:00 Lunch
VII. Heart failure
Chairmen Berger / Ovrutskiy / Schubert

Keynote Lecture III
14:00 Prevention and management of heart failure  R. E. Shaddy
14:45 Discussion

VIII. Long term issues
Chairmen Ovrutskiy / Schubert

14:55 The lung in focus - PAH and beyond  M. Gorenflo
15:15 Extrathoracic organ comorbidity in chronic cyanotic heart disease  N. Nagdyman
15:35 Socio-economics in complex CHD  H. Naci
15:55 Ask the experts
    Gorenflo | Naci | Nagdyman | Shaddy

16:15 Lottery drawing
16:25 Closing remarks  F. Berger
16:30 End
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<th>Faculty</th>
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<td>PD Dr. med. Fabian Bamberg, Tübingen</td>
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<td>Prof. Dr. med. Philipp Beerbaum, Hannover</td>
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<td>Prof. Dr. med. Felix Berger, Berlin</td>
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<td>Prof. Dr. med. Ingo Dähnert, Leipzig</td>
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<td>Prof. Dr. med. Sven Dittrich, Erlangen</td>
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<td>Prof. Dr. med. Peter Ewert, München</td>
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<td>E. P. Fischer Heidelberg</td>
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<td>Prof. Dr. med. Marc Gewillig, Leuven, BE</td>
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<td>Prof. Dr. med. Adriana C. Gittenberger-de Groot, Leiden, NL</td>
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<td>Prof. Dr. med. Matthias Gorenflo, Heidelberg</td>
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<td>Prof. Siew Yen Ho, M.D., London, UK</td>
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<td>Prof. Dr. med. Michael Hofbeck, Tübingen</td>
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<td>Dr. med. Alexander Horke, Hannover</td>
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<td>Dr. med. Viktor Hraška, Ph.D., Sankt Augustin</td>
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<td>Prof. MU Dr. med. Martin Kostelka, Leipzig</td>
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<td>Prof. Dr. med. Oliver Kretschmar, Zürich, CH</td>
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<td>Prof. Dr. med. Titus Kühne, Berlin</td>
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<td>Prof. R. Krishna Kumar, M.D., Kerala, IN</td>
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<td>Prof. Dr. Dominik Müller, Berlin</td>
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<td>Huseyin Naci, London, UK</td>
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<td>PD Dr. med. Nicole Nagdyman, München</td>
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<td>PD Dr. med. Stanislav Ovrutskiy, Berlin</td>
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<td>PD Dr. med. Joachim Photiadis, Berlin</td>
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<td>Prof. Dr. med. Giacomo Pongiglione, Rom, I</td>
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<td>Prof. Dr. med. René Prêtre, Lausanne, CH</td>
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<td>Prof. Dr. med. A. R. Pries, Berlin</td>
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<td>Prof. Dr. med. Christian Schreiber, München</td>
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<td>PD Dr. med. Stephan Schubert, Berlin</td>
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<td>Prof. Robert E. Shaddy, M.D., Pennsylvania, USA</td>
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<td>Prof. Dr. ir. Frans N. van de Vosse, Eindhoven, NL</td>
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Under the auspices of:

- Deutsche Gesellschaft für Pädiatrische Kardiologie e.V.
- Deutsches Zentrum für Herz-Kreislauf-Forschung e.V.
- Deutsche Gesellschaft für Thorax-Herz- und Gefässchirurgie
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Organization Committee:
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Registration fee Saturday and Sunday (Euro)

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<td>till 19.12.</td>
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€ 60

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„CME-Certified 16 points, EBAC 11 points“
Hope to see you all again at the 12th DHZB Lange Symposium
Berlin September 17/18, 2016