



Symposium Program - September 22, 2017
**Bridging basic science of cardiac development to
clinical care of cardiac malformations**

*Historischer Hörsaal, Oscar-und-Cecile-Vogt-Haus (House 55),
Robert-Rössle-Str. 10, 13125 Berlin, Campus Buch*

10:00-10:10 Opening by Silke Rickert-Sperling

Session I - Clinical Aspects of Hypoplastic Left Heart Syndrome (HLHS)

10:10-10:35 Felix Berger: RV Adaptation to various load conditions

10:35-11:00 Katharina R. Schmitt: Clinic HLHS

11:00-11:25 Agnes Görlach: Environmental stress and congenital heart disease

11:25-11:45 Break

Session II - Cardiomyocytes Derived from Patient-specific Induced Pluripotent Stem Cells of HLHS and Tetralogy of Fallot (TOF) Cases

11:45-12:10 Niels Voigt: Patch clamp iPSCs of TOF

12:10-12:35 Alexandre Colas: Identification of HLHS-causing gene candidates and mechanisms in hiPSCs

12:35-14:00 Break

Session III - Genetics and Epigenetics of HLHS and TOF

14:00-14:25 Timothy M. Olson: HLHS genetics

14:25-14:50 Paul Grossfeld: ETS-1: New insights and clinical implications for HLHS

14:50-15:15 Silke Rickert-Sperling: Epigenetic control of cardiac (dys)development

15:15-15:45 Break

15:45-16:10 Cordula Wolf: Redox-Signaling in Hypertrophic Cardiomyopathy

16:10-16:35 Ulrich Kintscher: Non-cardiac metabolic regulators of LV-failure

Session IV - Animal Models of Human Genetics of HLHS and TOF

16:35-17:00 Martin Schwärzel: Neurogenic control of the Drosophila heart. - An analysis on the molecular, cellular and systemic scale

17:00-17:25 Rolf Bodmer: Validating patient-specific CHD gene candidates in the Drosophila heart model

17:25-17:30 Conclusion

19:30 Dinner at Nola's am Weinberg (speakers and invited participants only)