

# Artery disease – From basic biological research through better understanding to improved prevention and treatment

Time	Monday 7/4 2014 (General frame and definitions)	Tuesday 8/4 Atherosclerosis and large arteries)	Arteriosclerosis and large arteries + Remodeling and small arteries	10/4 Remodeling and small arteries + Global approach
8.45	Meeting at Research and Education Program for Heart, Kidney and Circulation (8.45-9.45)	Biochemical markers of arterial disease - Lars Melholt Rasmussen	Impedance cardiography, HOTMAN system – FM Fadl Elmula, Oslo	Endothelin and human pericardial arteries as model - Jo De Mey
9.15-10.15		Coronary IVUS and OCT Lisbeth Antonsen	Diabetic arteriopathy Lars Melholt Rasmussen	Vital microscopy analyses of extracellular matrix–M.Bloksgård
		Welcome (10.00-10.30) MHO/Lars Melholt Rasmussen	Coronary CT Axel Diederichsen	The forearm model for human vessels . Helena Dominquez, KU
10.30-12.00	Arterial Aging Peter Nilsson, Lund U	Coronary PET/CT Poul Flemming Højlund-Carlsen	Vascular changes in diabetes Thomas Ledet, AU	Calcium channels in resistance vessels - Pernille BL Hansen
	Translational cardiometabolic research - Olle Melander, Lund U	Aorta aneurismsAAA:Epidemiology, development, treatment-J Lindholt	The complement in microvascular changes in DM-Jakob Østergaard,AU	Cl-channels and resistance artery function - Vladimir Matchkov, AU
	Arterial signaling - Niels-Henrik Holstein-Rathlou, KU	AAA: Patoanatomy, -physiology, experimental studies - Jes Lindholt	Macro- microvascular crosstalk in diabetes. Esben Laugesen, AU	Vascular pH –hypertension - new mechanism (Ebbe Boedtkjer),AU
12.00-13.00	Lunch	Lunch	Lunch	Lunch
13.00-14.30	Structural changes – large arteries (hypertrophic) Stephane Laurent	Moderated Posters 8 x (3+2) min.	<b>Social event</b>	Prevention and Risk stratification Michael Hecht Olsen
	Functional changes – large arteries (arteriosclerosis) Stephane Laurent	Moderated Posters 8 x (3+2) min.		Chronotherapy in hypertension and T2DM - Niklas B. Rossen, AU
	Structural changes – small arteries Jo De Mey			Individualized arterial medicine - Ulrike Steckelings/Jo De Mey
14.45-16.15	Endothelial dysfunction - Myogenic tone Christian Aalkjær, AU	Arterial changes in chronic kidney disease - Susanne Bro, KU	Moderated Posters 8 x (3+2) min.	Individualized treatment in Hypertension - Stephane Laurent
	Atherosclerosis Jacob Fog Bentzon, AU	Hypertrophy of large arteries Stephane Laurent, Paris	Moderated Posters 8 x (3+2) min.	Individualized treatment in T2DM Henning Beck-Nielsen
	Matricellular proteins and neointimal hyperplasia - Murine - Grith Sørensen	Stiffness of large arteries Stephane Laurent, Paris		Future individualized treatment MHO/Lars Melholt Rasmussen
16.30-18.00	Biomarkers of atherosclerosis Jacob Fog Bentzon, AU	Endothelial function assessment Trine K. Sønner, Gent	Resistance arteries in human hypertension Kent L. Christensen,KU	Course evaluation MHO/Lars Melholt Rasmussen
	Carotid plaque composition by MR and T2DM - Pernille Høyem, AU	Ventriculo-arterial coupling Trine K. Sønner, Gent	Coronary flow reserve Kent Lodberg Christensen, KU	
	UL carotis /SphygmoCor demo Sara V. Greve/Trine K. Sønner	UL carotis /SphygmoCor demo Sara V. Greve/Trine K. Sønner	MFVR/HOTMAN system demo Ole Mathiasen/FM Fadl Elmula, Oslo	