Faculty of Biochemistry Biophysics and Biotechnology
Department of Medical Biotechnology
Jagiellonian University

„Cardiovascular disease: new research and clinical strategies"

Lectures from May 8th- 17th, 2018

Gronostajowa 7

Prof. Andrew Newby has published more than 150 research papers and 60 reviews, which have collectively been cited> 10000 times by other authors (H>64). He was a co-founder of the Bristol Heart Institute that now has more than 200 researchers. He has given lectures on all the world's continents. He held program grants and served on grants committees of the UK Research Council and Charities.

He was co-director of the European Community funded European Vascular Genomics Network and Chairman of the European Society of Cardiology Council on Basic Cardiovascular Science. Prof. Newby was President of the EVBO 2006-10. In his own scientific work he elucidated the metabolic pathways for production of cardio protective metabolite, adenosine, in the heart. He contributed to the identification of the endothelium – derived relaxing factor as nitric oxide. He is most know, however, for discovering a role of matrix degrading metalloproteinases in vascular smooth muscle cell migration and proliferation in vein grafts, after angioplasty and in atherosclerosis. His discovery of the inflammatory basis of metalloproteinase production is continuing to shed light on the process leading to a heart attack through plaque rupture and myocardial infraction.

In Kraków Professor Newby will give a series of lectures on the following subjects:

1. **Clinical and basic perspectives on cardiovascular diseases - Existing and new treatments** - plenary lecture – Tuesday 8/05/2018 - room D107 – 14^{00}-16^{00}
2. Basic mechanisms of coronary heart disease and strokes - Wednesday 9/05/2018 – room 1.01.5- 14^{00}-16^{00}
3. Cholesterol and beyond - Thursday 10/05/2018 – room 1.1.14 – 10^{00}-12^{00}
4. Vascular smooth muscle cells in restenosis and aneurysms - Tuesday 15/05/2018 - room D107– 14^{00}-16^{00}
5. Plaque rupture and erosion as causes of myocardial infarction - Wednesday 16/05/2018 – room 1.01.5– 14^{00}-16^{00}
6. The metalloproteinase system in cardiovascular disease - Thursday 17/05/2018 – room 1.1.14– 10^{00}-12^{00}

More information about lectures and registration on the website:
http://www.zbm.wbbib.uj.edu.pl/jednostka/aktualnosci and at agata.pietrusiak@uj.edu.pl

All interested in are invited!

Department of Medical Biotechnology

Prof. Józef Dulak