**CVS BSc Module 2 2012 - Vascular Biology - Dr Anna Randi**

**Week 1 - All Lectures in Wolfson Education Centre (unless stated otherwise) Hammersmith Campus**

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| **Monday 12th Nov 2012****WEC SR5** | **Tuesday 13th Nov 2012****WEC SR1** | **Wednesday 14th Nov 2012****Commonwealth Building SBS 1+2** | **Thursday 15th Nov 2012****WEC SR5** | **Friday 16th Nov 2012****WEC SR5** |
| **9.00** Intro – AR |  |  |  |  |
| **9.30-10.30** ‘Introduction: inflammation and atherosclerosis’(D Haskard) | **10.00-11.00**Leukocyte adhesion (K. Woolard)  | **10.00-11.00** VWF and platelets(M Laffan) | **10.00-11.00** Cellular and molecular mechanisms of angiogenesis(G. Birdsey)  | **10.00-11.00** Ubiquitin and NFKB activation(Maurice Darding) |
| BREAK | **11.00-12.00** “Flow, shear stress and atherosclerosis”(J Mason) | **11.00-12.00**Thrombin(D Lane) | **11.00-12.00**Physiology and pathology of angiogenesis ( A. Randi) | **11.00-12.00**Serum and imaging biomarkers in atherosclerosis (Ramzi Khamis) |
| **10.45-11.45** Macrophages and atherosclerosis(Joe Boyle) | BREAK | BREAK | BREAK | BREAK |
| **11.45-12.15** Demonstration - endothelium (Mike Johns) | **12.15–12.45** Demonstration vascular inflammation(Emon Khan) | Sports | **12.15–12.45** Demonstration - angiogenesis (Richard Starke) | **12.15–12.45** Demonstration - signalling (Demian Calay) |
| LUNCH | LUNCH | LUNCH | LUNCH |
| PRIVATE STUDY | **1.30–2.30** Endothelial mechanosensitive signalling pathways(R Krams) | **1.30–2.30** ‘Inflammatory pathways and the vasculature’(J Mitchell) |  |
|  | **2.30–3.30** ‘Smooth Muscle Cells and atherosclerosis’(P Kemp) | **2.30–3.30** 'Rho GTPases as regulators of vascular structure and function'(B Wojciak-Stothard) |  |

**Week 2 All Lectures in Wolfson Education Centre (unless stated otherwise) Hammersmith Campus**

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| **Monday 19th Nov 2012****WEC SR 4** | **Tuesday 20th Nov 2012** | **Wednesday 21st Nov 2012** | **Thursday 22nd Nov 2012****WEC SR 2 and SR 3** | **Friday 23rd Nov 2012** |
|  |  |  | **9.00-9.15** Groups introduction to in course assessment | **TUTORIAL ASSIGNMENT** |
| **10.00-11.00** NFKB in atherosclerosis(C Monaco) | PRIVATE STUDY | PRIVATE STUDY | **9.15-10.30** In course assessment – Journal Club |
| **11.00-11.30**clinical studies on inflammation during cardiopulmonary bypass (Francesca Fiorentino) | BREAK |
|  **BREAK** | **11.00-12.30** In course assessment – Journal Club |
| **12.00 – 13.00** cardiopulmonary bypass and inflammation(G Angelini)  | Sports | LUNCH |
| **13.00 – 13.30** Assign papers for Journal Club (In-course Assessment) (AR) | **1.00-3.00**In course assessment – Journal Club |
|  | BREAK |
| **3.00-3.30** In course assessment – Feedback |