

**REVAMMAD Workshop 2 from 9<sup>th</sup> June until 14<sup>th</sup> June 2014  
Crete**

The preliminary programme is

Date		Day time	Evening
Monday	09 June 2014	WS3: Advanced Vascular Image Processing	
Tuesday	10 June 2014		
Wednesday	11 June 2014	Visit to FORTH and ½ day symposium	Management meeting for all PIs
Thursday	12 June 2014	WS2: Advanced Micro Vascular Modelling	
Friday	13 June 2014		

The day to day break down of the programme is:

Monday, 09 <sup>th</sup> June 2014	WS3: Advanced Vascular Image Processing			
	9:00-9:45	Session 1	Xenophon	Introduction, announcements etc. + Image processing on the retina and on the computer
	9:45-10:30	Session 2	Andrew	Lesion detection and Machine learning: classification, regression, model optimization, feature selection, neural networks. <i>Hands on session: will be half of the duration</i>
	10:30-11:00	Coffee break		
	11:00-11:45	Session 3	Andrew	... Continuation of previous talk
	11:45-12:30	Session 4	Andrew	
	12:30-14:00	Lunch		
	14:00			
	16:00			
	16:00-16:30	Coffee break		
	16:30-17:15	Session 5	Bashir	Active Contours: parametric active contours including internal, photometric and external energies in addition to limitation, implementation and energy minimization.
	17:15-18:00	Session 6	Bashir	Previous talked continued
	18:00-18:45	Session 7	Meindert Niemeijer	Advanced retinal image analysis
19:00	Dinner			

Tuesday, 10 <sup>th</sup> June 2014	WS3: Advanced Vascular Image Processing			
	9:00-9:45	Session 8	Xenophon	Image filtering, features and scale
	9:45-10:30	Session 9	Xenophon	<i>Hands on session: using MATLAB</i>
	10:30-11:00	Coffee break		
	11:00-11:45	Session 10	Alfredo, Enea	Tracing of retinal vessels. Texture analysis. First slot will cover a lecture on texture analysis (Enea) and its application to vessel segmentation (Alfredo). Second slot will be hands on experience. <i>Hands on session: using MATLAB</i>
	11:45-12:30	Session 11	Alfredo, Enea	
	12:30-14:00	Lunch		
	14:00-16:00	Individual media training		4 ESRs meet with Darren Scales for individual media training
	16:00-16:30	Coffee break		
	16:30-17:15	Session 12	Manuel	Key points and matching, Segmentation, Registration
	17:15-18:00	Session 13	Manuel	Continuation of previous talk
	18:00-18:45	Session 14	Manuel	Continuation of previous talk
	19:00	Dinner		
	20:30	Networking activity		
Wednesday 11 <sup>th</sup> June 2014	½ day visit to FORTH & ½ day symposium			
	9:00-12:00	Visit to FORTH		
	12:30-2:00	Lunch at external site		
	14:30-16:00	Symposium		10 minute presentations by ESRs
	16:00-16:30	Coffee break		
	16:30-19:00	Symposium		10 minute presentations by ESRs followed by feedback from PIs and Darren Scales
	19:00	Dinner		
	20:30	Management meeting for PIs and ESR representative		
Thursday, 12 <sup>th</sup> June 2014	WS2: Advanced Micro Vascular Modelling			
	9:00-9:45	Session 1		Introduction: Axel R. Pries
	9:45-10:30	Session 2		ESR presentation: A (Pedro and Jeff) Vascular networks: mathematical analysis, simulation of vessel tree growth
	10:30-11:00	Coffee break		
	11:00-11:45	Session 3		Network structures: Axel R. Pries
	11:45-12:30	Session 4		ESR presentation: B (Sergio and Giovanni) Angiogenesis models
	12:30-14:00	Lunch		
	14:00-16:00	Individual media training		4 ESRs meet with Darren Scales for individual media training

	16:00-16:30	Coffee break		
	16:30-17:15	Session 5		ESR presentation: C (Weiwei and Georgios) Flow in small networks - Kirchhoff's law and matrix solution
	17:15-18:00	Session 6		Problems in network modelling: Boundaries, validation, experimental data: Axel R. Pries
	18:00-18:45	Session 7		General discussion
	19:00	Dinner		
	20:30	Networking activity		
Friday 13 <sup>th</sup> June 2014	WS2: Advanced Micro Vascular Modelling			
	9:00-9:45	Session 8		ESR presentation: D (Matteo and Carlos) Diffusion and convection in microvascular networks, , 'optimization'
	9:45-10:30	Session 9		Mass transport in the microcirculation: Axel R. Pries
	10:30-11:00	Coffee break		
	11:00-11:45	Session 10		ESR presentation: E (Anastasiia and Piotr) Adaptive responses: vessel tone
	11:45-12:30	Session 11		ESR presentation: F (Roberto) Adaptive: Tortuosity
	12:30-14:00	Lunch		
	14:00-16:00	Individual media training		5 ESRs meet with Darren Scales for individual media training
	16:00-16:30	Coffee break		
	16:30-17:15	Session 12		ESR presentation: G (Evi) Adaptive responses: vessel structure
	17:15-18:00	Session13		Integrative adaptation of vascular function: Axel R. Pries
	18:00-18:45	Session 14		General discussion
		19:00	Dinner	
Saturday 14 <sup>th</sup> June 2014	9:00-10:30	Media training		
	10:30-11:00	Coffee break		
	11:00-12:30	Media training		
	12:30-14:00	Lunch		
	14:00-17:00	Networking activity		Excursion to Spinalonga