

Retinal Imaging Treatment and Analysis meeting (RITA)

Monday October 15, 2012

Organized by Michel PAQUES, Guillaume CHENEGROS, Florence ROSSANT

Vision Institute 17 rue Moreau 75012 Paris

9h30 : Welcome

10h–11h30 : Photographic Image

Chairman : Michel PAQUES

- **Michel PAQUES** (Institut de la Vision) : *Fundus photograph : the basis of diagnosis of retinal diseases.*
- **Isabelle AUDO** (Institut de la Vision) : *Autofluorescence imaging.*
- **Etienne DECENCIERE** (MINES Paristech) : *TeleOphta : automatic detection of retinal lesions.*
- **Eric PETIT** (UPEC) : *Vascular segmentation : application to retina.*
- **Florence ROSSANT** (ISEP) : *Snakes under a parallelism constraint : application to the segmentation of retinal blood vessels.*
- **Laurent COHEN** (CEREMADE) : *A Voting scheme for vessel tree segmentation.*

11h15–11h30 : break

11h30–13h : Optical Coherence Tomography (OCT)

Chairman: Alain GAUDRIC

- **Alain GAUDRIC** (Lariboisière, Paris) : *OCT : technology, applications and unmet needs.*
- **Rui BERNARDES** (University of Coimbra) : *Vascular segmentation by OCT.*
- **Kate GRIEVE** (LLTech) : *Full-field OCT.*
- **Kester NAHEN** (Heidelberg) : *Confocal scanning laser ophthalmoscopy guided transverse section SD-OCT analysis of complex retinal diseases.*
- **Serge ROSOLEN** (IdV) : *Interest of Optical Coherent Tomography (OCT) and Adaptive Optics (AO) in large animals.*
- **Marie GLANC** (Observatoire de Paris) : *Full-field OCT with adaptive optics.*

13h–14h : lunch

- **Isabelle BLOCH** (ISEP) : *Segmentation of OCT images in health and diseases.*

14h–15h30 : Adaptive Optics (AO)

Chairman : Nicolas CHATEAU

- **Michel PAQUES** (IdV) : *Present and future applications of AO imaging.*
- **Caroline KULSCAR** (L2TI) : *Strategies for AO imaging improvement.*
- **Kevin LOQUIN** (ISEP) : *Automatic cone counting.*
- **Laurent MUGNIER** (ONERA) : *Unsupervised myopic AO retinal images restoration.*

15h15–15h30 : break

15h30–16h30 : Imagerie dynamique

Chairman: Philippe CHAUMET–RIFFAUD

- **Michael ATLAN** (Institut Langevin) : *Heterodyne doppler for blood flow analysis.*
- **Guillaume EUVRARD** : *Analysis of retinal blood flow pulsatility.*
- **Konstantin KOTLIAR** (Lehrstuhl für Mikrotechnik und Medizingerätetechnik, Technische Universität München) : *Non-invasive assessment of retinal arterial stiffness using retinal vessel analyzer.*