

## BIO SKETCH

**NAME : Michel Paques**

**POSITION TITLE : Professor**

### EDUCATION / TRAINING

INSTITUTION AND LOCATION	DEGREE	Month/Year	FIELD OF STUDY
Medical studies, Rouen (France)	MD, PhD	1982-1988	
Internship (Paris 7 University, Paris, France)			Ophthalmology
PhD thesis (laboratoire d'Etude de la Microcirculation, Paris 7, Paris, France)			Retinal circulation

### POSITIONS AND EMPLOYMENTS

MONTH AA – MONTH BB	Name of the Institution - Title of the Position
	- ophthalmologist at the 1520 hospital, Paris

**Scientific Interests :** scientific and medical applications of high resolution in vivo retinal imaging, in laboratory animals as well as in humans. I pioneered the development of color fundus cameras for rodents, cell-specific imaging using SLO, and in human the application of adaptive optics imaging for a variety of retinal diseases. These techniques were applied in particular to the study of experimental and clinical microvascular remodelling and to inflammatory processes in the retina.

### **Other Experiences and Professional Memberships :**

ARVO, Club Gonin

### **Selected Peer-reviewed Publications:**

**Paques M**, Simonutti M, Augustin S, Goupille O, El Mathari B, Sahel JA. In vivo observation of the locomotion of microglial cells in the retina. *Glia*. 2010 ;58:1663-8

Buskamp V, Duebel J, Balya D, Fradot M, Viney TJ, Siegert S, Groner AC, Cabuy E, Forster V, Seeliger M, Biel M, Humphries P, **Paques M**, Mohand-Said S, Trono D, Deisseroth K, Sahel JA, Picaud S, Roska B. Genetic reactivation of cone photoreceptors restores visual responses in retinitis pigmentosa. *Science*. 2010;329:413-7.

Vignal C, Audo I, Sahel JA, **Paques M**. Poppers-associated retinopathy. *New Engl J Med* 2010 363:1583-5

Tick S, Rossant R, Ghorbel I, Gaudric A, Sahel JA, Chaumet-Riffaud P, **Paques M**. Foveal shape and structure in a normal population. *Invest Ophthalmol Vis Sci*. 2011 29;52:5105-10

Audo I, El Sanharawi M, Vignal-Clermont C, Villa A, Morin A, Conrath J, Fompeydie D, Sahel JA, Gocho-Nakashima K, Goureau O, **Paques M**. Foveal damage in habitual poppers users. *Arch Ophthalmol*. 2011;129:703-8

Gocho K, Sarda V, Falah S, Sahel JA, Sennlaub F, Benchaboune M, Ullern M, **Paques M**. Adaptive optics imaging of geographic atrophy. *Invest Ophthalmol Vis Sci*. 2013 ;54:3673-80

Koch E, Rosenbaum D, Brolly A, Sahel JA, Chaumet-Riffaud P, Girerd X, Rossant F, **Paques M**. Morphometric analysis of small arteries in the human retina using adaptive optics imaging: relationship with blood pressure and focal vascular changes. *J Hypertens* 2014 (in press)

Errera MH, Coisy S, Fardeau C, Sahel JA, Kallel S, Wescott M, Bodaghi B, **Paques M**. Retinal vasculitis imaging by adaptive optics. *Ophthalmology* 2014 (in press)