

## CURRICULUM VITAE

### Olivier GOUREAU

Laboratoire Physiopathologie Cellulaire et Moléculaire de la Rétine  
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### Education

1988 DEA, University of Paris-XI.  
1991 Thesis (Ph.D.) University of Paris-XI.  
1998 « Habilitation à Diriger les Recherches », University of Paris-XI.

### Academic Positions

1987-1991 *Ph.D. Student*  
Laboratory of Endocrinology and Cellular Regulations, URA1131, CNRS, Orsay, France.  
(Advisor: Dr. Harbon).

1992-1998 *Postdoctoral Research Fellow and Research Associate at INSERM (1994-1998)*  
Gerontology Research Laboratory, U118, "INSERM" (National Institute of Health and Medical Research), Paris.  
(Advisor: Dr. Courtois).

1999 *Visiting Researcher*  
Department of Ophthalmology, Jules Stein Eye Institute, UCLA, Los Angeles.  
(Principal investigator: Dr XJ. Yang).

2000-2002 *Group Leader and Research Associate at INSERM*  
Retinal Development, Aging and Pathology Laboratory, U450, "INSERM", Paris.  
(Director: Dr. Courtois)

2003-Present *Group Leader and Research Director at INSERM*  
Laboratory of Cellular and Molecular Pathophysiology of the Retina, U592, "INSERM", Paris.  
(Director: Pr. Sahel)

### Teaching Experiences

1989-1993 General Biochemistry, University Paris-XI.

### Ph.D. students supervising

1992-1996 F. Becquet, Thesis (Ph.D.), University Paris-V.  
1995-1998 V. Faure, Thesis (Ph.D.), University Paris-XI.  
2002-2006 J. Roger, Thesis (Ph.D.), University Paris-XI.  
Since 2007 L. Picault, Thesis (PhD), UPMC – Paris VI

### Principal Honors and Awards

1987-1991 French Research Minister, *Ph.D. fellowship*.  
1992-1993 « Fondation de France », *postdoctoral fellowship*.  
1993-1994 « Fondation pour la Recherche Médicale », *postdoctoral fellowship*.  
1994-1998 « Retina France », *grants*  
1999 NATO, *visiting researcher fellowship*.  
Since 2000 « Retina France », *grants*  
2004-2008 French Research Minister, "young researchers grants".  
2005-2009 European Commission: Functional Genomics of the Retina in Health and Disease, *grants*.

### Membership in professional societies

The Association for Research in Vision and Ophthalmology (ARVO) member  
The French Society for Neuroscience member  
The French Society for Developmental Biology member

### Principals Publications (10 out of 48)

01. **Goureau O**, Lepoivre M, Becquet F and Courtois Y. (1993) Differential regulation of inducible nitric oxide synthase by basic fibroblast growth factors and transforming growth factor  $\beta$  in bovine retinal pigmented epithelial cells : Inverse correlation with cellular proliferation. *Proc. Natl. Acad. Sci. USA* 90, 4276-4280.
02. **Goureau O**, Bellot J, Thillaye B, Courtois Y and de Kozak Y. (1995) Increased nitric oxide production in endotoxin-uveitis : reduction of uveitis by an inhibitor of nitric oxide synthase. *J. Immunol.* 154, 6518-6523.
03. **Goureau O**, Régnier-Ricard F, Jonet L, Jeanny J, Courtois Y and Chany-Fournier F. (1997) Developmental expression of nitric oxide synthase isoform I and III in chick retina. *J. Neurosci. Res.* 50, 104-113.
04. Faure V, Courtois Y and **Goureau O**. (1997) Inhibition of inducible nitric oxide synthase expression by interferons  $\alpha$  and  $\beta$  in bovine retinal pigmented epithelial cells. *J. Biol. Chem.* 272, 32169-32175.
05. Bodaghi B, **Goureau O**, Zipeto D, Laurent L, Virelizier J and Michelson S. (1999) Role of IFN- $\gamma$ -induced Indoleamine 2,3 dioxygenase and inducible nitric oxide synthase in the replication of human cytomegalovirus in retinal pigmented epithelial cells. *J. Immunol.* 16, 957-964.
06. **Goureau O**, Régnier-Ricard F, and Courtois Y. (1999) Requirement for nitric oxide in retinal neuronal cell death induced by activated Muller glial cells. *J. Neurochem* 72, 2506-2515.
07. Sennlaub F, Courtois Y and **Goureau O**. (2001) Inducible nitric oxide synthase inhibits vascularization of the ischemic retina: the switch from retinal to vitreal neovascularization. *J. Clin. Invest.* 107, 717-725.
08. Sennlaub F, Courtois Y and **Goureau O**. (2002) Inducible nitric oxide synthase mediates retinal apoptosis in a murine model of ischemic proliferative retinopathy. *J. Neurosci.* 22, 3987-3993.
09. Rhee DK, **Goureau O**, Chen S and Yang XJ. (2004) Cytokine-induced Signal Transducer and Activator of Transcription 3 (STAT3) activation in photoreceptors precursors regulates rod differentiation in the developing mouse retina. *J. Neurosci.* 24, 9779-9788.
10. Roger J, Brajeul V, Thomasseau S, Hienola A, Sahel JA, Guillonneau X, and **Goureau O**. (2006) Involvement of Pleiotrophin in CNTF-mediated differentiation of the late retinal progenitor cells. *Dev Biol.* 298: 527-539.

### Scientific Reviewer

- Served as reviewer for the following journals :

*Experimental Eye Research, Investigative Ophthalmology and Visual Science, British Journal of Ophthalmology, Journal of Neuroscience, Journal of Neurochemistry, Journal of Neuroscience Research, Neuropharmacology.*

- Served as ad hoc reviewer for the following granting agencies :

*Human Science Frontier, French regional grant, Retina France.*