Serge PICAUD

Born on February 21, 1961, in Paris.

Office: Institut de la Vision, INSERM, Université Pierre et Marie Curie-Paris 6, 17 rue Moreau, 75 012 Paris, France, Phone: (33) 1 53 46 25 92, Fax: (33) 1 53 46 25 02, Cell Phone: (33) 6-31-03-04-85
e-mail : serge.picaud@inserm.fr
Home: 72 rue Bernard Palissy, 77210 Avon, France.

STATUS and EDUCATION

2001 Authorization in animal research as principal investigator, University Louis Pasteur, France
2000 **Promoted Director of research (DR2) at INSERM** (France)
1999 **Habilitation**, Université Louis Pasteur, Strasbourg, France
1997 **Permanent Research Position (CR1) at INSERM,** (France)
1990 **PhD in Neuroscience**, University of Aix-Marseille, France.
1984 **Master in pharmacology**, major in Neurobiology, University of Paris, France.
1981-1985 **Ecole Normale Supérieure de l'Enseignement Technique**, major in Biochemistry.

PROFESSIONAL EXPERIENCE

2002- **Principal investigator,** Institut de la Vision, INSERM, University Paris VI
Pr Sahel, Paris, France
Retinal information processing: Pharmacology and pathologies

1995-2002 **Researcher,** University Louis Pasteur/INSERM EMI 99-18
Pr Sahel and Dr Dreyfus, Strasbourg, France
Photoreceptor function and neuroprotection.

1991-1995 **Postdoc, University of Berkeley**,
Pr. F. Werblin, Berkeley, California, USA.
Glutamate transporters.

1987-1988 Predoc, **Max-Planck Institut of Brain Research**,
Pr H. Wässle, Francfort, Germany.
Lesion and gliosis in the mammalian retina.

1984-1987 et 1988-1991 **Graduate student, Laboratory of Neurobiology**,
Dr N. Franceschini, CNRS, Marseille, France.
Dye-induced photosensibilisation of invertebrate neurones *in vivo*.

1983-1984 **Institut of Physical and Chemical Biology**,
Pr J.P. Henry, CNRS, Paris, France.
Research of ionic channels in synaptic vesicles.

Fields of expertise:

- Synaptic transmission.
- Pharmacology of transporters and receptors.
- Information processing in a neural network (retina).
- Retinal degeneration and neuroprotection
- Pharmacotoxicity of the retina
- Cell biology of endocytosis and exocytosis.
- Photosensitization of cell membrane.

Technical approaches:

- Electrophysiology (Patch-clamp, Multielectrode recording, electroretinogram).
- Histology (Electron microscopy, fluorescence microscopy, immunocytochemistry).
- Cell culture (mixed and purified cells, retinal explant)
- In vivo morphofunctional analysis of the retina (SLO, Endoscopy, optomotor response, ….).