

BIO SKETCH

NAME: Jean LIVET

POSITION TITLE: Inserm DR2

EDUCATION

INSTITUTION AND LOCATION	DEGREE	Year	FIELD OF STUDY
University of Aix-Marseille	Ph.D.	2002	Cellular Biology
Marine Biological Laboratory, Woods Hole	Neurobiology course	2000	Neurobiology
University of Aix-Marseille	Master	1996	Cellular Biology
Ecole Normale Supérieure, Cachan	<i>Agrégation</i>	1995	Biochemistry & Physiology

POSITIONS AND EMPLOYMENTS

	Name of the Institution - Title of the Position
Since 2008	Group leader, team S4 « Neuronal circuits development » Institut de la Vision, Paris
2002-2007	Post-doc, Jeff W. Lichtman laboratory Washington University in St Louis and Harvard University
1997-2002	Ph.D. and postdoc, Christopher E. Henderson laboratory, Inserm U382, IBDM, Marseille

Scientific Interests:

My research focuses on understanding how brain circuits are formed during development through the genesis, assembly and remodeling of neural cells. My group develops and uses new genetic engineering and imaging approaches to access the connectivity and developmental history of individual neural cells in the intact vertebrate brain and retina and understand how their development is regulated.

Other Experiences and Professional Memberships:

- Society for Neuroscience
- Société des Neurosciences
- Ecole des Neurosciences de Paris-Ile de France (ENP)

Selected Peer-reviewed Publications:

1. Loulier K, Barry R, Mahou P, Le Franc Y, Supatto W, Matho KS, Ieng S, Fouquet S, Dupin E, Benosman R, Chédotal A, Beaurepaire E, Morin X, Livet J. *Multiplex lineage tracking with combinatorial labels*. *Neuron* (2014) 81:505-20
2. Tabansky I, Lenarcic A, Draft R, Loulier K, Keskin DB, Rosains R, Rivera-Feliciano J, Lichtman J, Livet J, Stern JNH, Sanes JR, Eggan K. *Developmental bias in cleavage-stage mouse blastomere*. *Current Biology* (2013) 23:21-31.
3. Mahou P, Zimmerley MS, Loulier K, Matho KS, Labroille G, Morin X, Supatto W, Livet J, Débarre D, and Beaurepaire E. *Multicolor two-photon tissue imaging by wavelength mixing*. *Nature Methods* (2012) 9:815-8.
4. Jefferis, GS, Livet J. *Sparse, stochastic and combinatorial cell labeling*. *Current Opin Neurobiol* (2012) 22:101-10.
5. Lichtman JW, Livet J, Sanes JR. *A technicolour approach to the connectome*. *Nat Rev Neurosci* (2008) 9:417-22.
6. Livet J, Weissman TA, Kang H, Draft RW, Lu J, Bennis, RA, Sanes JR, Lichtman, JW. *Transgenic strategies for combinatorial expression of fluorescent proteins in the nervous system*. *Nature* (2007); 450:56-62.

7. Gu C, Yoshida Y, **Livet J**, Reimert DV, Mann F, Merte J, Henderson CE, Jessell TM, Kolodkin AL, Ginty DD. *Semaphorin 3E and plexin-D1 control vascular pattern independently of neuropilins.* **Science** (2005) 307:265-8.
8. **Livet J**, Sigrist M, Stroebel S, de Paola V, Price S, Henderson CE, Jessell TM, Arber S. *ETS gene Pea3 controls the central position and terminal arborization of specific motor neuron pools.* **Neuron** (2002) 35:877-92. 5.
9. Mikaelis A, **Livet J**, Westphal H, De Lapeyrière O, Ernfors P. *A dynamic regulation of GDNF-family receptors correlates with a specific trophic dependency of cranial motor neuron subpopulations during development.* **Eur J Neurosci** (2000) 12:446-56.
10. Yamamoto Y, **Livet J**, Pollock RA, Garces A, Arce V, deLapeyrière O, Henderson CE. *Hepatocyte growth factor (HGF/SF) is a muscle-derived survival factor for a subpopulation of embryonic motoneurons.* **Development** (1997) 124:2903-13.