Summarized Biographical Sketch
Daniel Choquet

First class research Director at the CNRS, Born 1962

Ingénieur de l'Ecole Centrale de Paris,		1981-1984	General Engineering
Pasteur Institute, Paris	Ph.D.	1984-1988	Pharmacology
Bordeaux University	Habilitation	1997	Neuroscience

A. Education

1997	Habilitation à diriger des recherches, Bordeaux University.
1994-1996	Sabbatical stay at Duke University (N.C., USA) Supervisor Pr. M.P. Sheetz. EMBO Fellow.
1990	Post-doctoral stay at Irvine University (CA, USA) Supervisor Pr. M. Cahalan.
1988	PhD : Paris VI University. Option Pharmacology. Supervisor Dr. H. Korn, Institut Pasteur. "Control of potassium channels in lymphocytes by hormones and second messengers".
1984	Diploma from the Ecole Centrale des Arts et Manufactures de Paris, Option Bio-engineering.

B. Professional Experience

2011-	Director of the Institute for Interdisciplinary Neuroscience, UMR 5297 CNRS-Université Bordeaux Segalen
2007-2010	Adjunct director of the laboratory Cellular Physiology of Synapses, UMR 5091.
1999-present	Group leader at the CNRS, UMR 5091, laboratory "Cellular Physiology of Synapses", Bordeaux University.
1998-present	Research director at the CNRS.
1996-1999	Junior group leader at the CNRS/ Bordeaux University laboratory "Neuronal interactions" UMR 5541. Recipient of an ATIP Grant.
1988-1998	Research officer at the CNRS.

C. Honors

2010	Member of the French Academy of Science
2010	Prix de la découverte science, Académie Nationale des Sciences, Belles-Lettres et Arts de Bordeaux
2009	Silver Medal from the CNRS
2009	Advanced ERC grant from the European commission
2007	Bauer Lectureship award, Brandeis University
2004	Grand prix from the French Academy of Sciences, prix du CEA.
2002	Pierre-Bois Lectureship award, McGill University
1997	Research prize from the « Fondation pour la Recherche Médicale »
1996-1999	Recipient of an ATIP Grant.
1994-1996	Fellowship from EMBO.
1994	Prize from the «société de secours des amis de la science »
1994	Petit-Dormoy prize from the French Academy of Sciences
1990	Bronze medal from the CNRS
1988	Fellowship from the Association pour la Recherche contre le Cancer.
1984-1988	PhD-engineer fellowship from the French ministry of research.
1984-1989	

D. Administrative functions

2011- Member of the strategic scientific committee of "Institut du Cerveau et de la Moelle", Paris
2009- present: Member of the scientific advisory board of the Curie Institute, Paris.
2008-present: Member of the scientific advisory board of the ICeMS, Kyoto.
2008-present: Member of the ANR steering committee
2007-present: Adjunct director of the laboratory UMR 5091.
2003-2006: Member of the scientific selection comity of the Human Frontier Science Program.
2002-2004 : Elected member of the 43rd interdisciplinary study section of the Comity for National Research ("Physic and chemistry for the study of biological assemblies").
2001-2009: Scientific director of the cellular imaging core facility, "PICIN", Bordeaux University. http://www.PICIN.u-bordeaux2.fr
2002-present: Consultant for Amplitude system
2001-present: Member of the specialist commission 69 ("neurosciences") of the National University Comity.
2001-2003: Member of the steering comity of the interdisciplinary program "Dynamics and Reactivity of Biological Assemblies" of the CNRS and ministry of research.
2001-2003: Member of the steering comity of the interdisciplinary program "Individual Nano Objects" of the CNRS and ministry of research.
2000-2004: Nominated member of the 25th study section of the Comity for National Research ("cellular interactions"). Nominated member of the board.
1999-present: Group leader at the CNRS unit 5091. "Dynamic organization of membrane proteins".
1996-1999: Junior group leader ATIP at the CNRS.

E. Referee activity

- Referee for journals: Nature, Science, Nature Neuroscience, Neuron, PNAS, Biophysical J., J. Cell Science, J. Neuroscience, EMBO Journal.
- Referee for the institutions: National Science Foundation, Human Frontier Science Program, MRC, INSERM. External expert for the University of Rehovot, Israel, the University of Leyden, the Netherland.

F. Peer-reviewed publications

1. Brachet, A., Leterrier, C., Irondelle, M., Fache, M.P., Racine, V., Sibarita, J.B., **Choquet, D.,** and Dargent, B. (2010). Ankyrin G restricts ion channel diffusion at the axonal initial segment before the establishment of the diffusion barrier. The Journal of cell biology 191, 383-395.
2. **Choquet, D.** (2010). Fast AMPAR trafficking for a high-frequency synaptic transmission. The **European journal of neuroscience** 32, 250-260.
3. Giannone, G., Hosy, E., Levet, F., Constals, A., Schulze, K., Sobolevsky, A.I., Rosconi, M.P., Gouaux, E., Tampe, R., **Choquet, D.**, and Cognet, L. (2010). Dynamic Superresolution Imaging of Endogenous Proteins on Living Cells at Ultra-High Density. **Biophysical journal** 99, 1303-1310.
4. Groc, L., Bard, L., **and Choquet, D.** (2009). Surface trafficking of N-methyl-D-aspartate receptors: physiological and pathological perspectives. 158, 4-18.
5. Groc, L., and **Choquet, D.** (2009). [The neuronal surface: a **Neuroscience** new land to regulate neuronal communication]. **Med Sci** (Paris) 25, 895-897.
6. Gundelfinger, E.D., Frischknecht, R., **Choquet, D.,** and Heine, M. (2010). Converting juvenile into adult plasticity: a role for the brain's extracellular matrix. **The European journal of neuroscience** 31, 2156-2165.
7. Opazo, P., and **Choquet, D.** (2010). A three-step model for the synaptic recruitment of AMPA receptors. **Mol Cell Neurosci**.

8. Opazo, P., Labrecque, S., Tigaret, C.M., Frouin, A., Wiseman, P.W., De Koninck, P., and **Choquet, D.** (2010). CaMKII Triggers the Diffusional Trapping of Surface AMPARs through Phosphorylation of Stargazin. **Neuron** 67, 239-252.
9. Renner, M.L., Cognet, L., Lounis, B., Triller, A., and **Choquet, D.** (2009). The excitatory postsynaptic density is a size exclusion diffusion environment. Neuropharmacology 56, 30-36.
10. Rust, M.B., Gurniak, C.B., Renner, M., Vara, H., Morando, L., Gorlich, A., Sassoe-Pognetto, M., Banchaabouchi, M.A., Giustetto, M., Triller, A., et al. (2010). Learning, AMPA receptor mobility and synaptic plasticity depend on n-cofilin-mediated actin dynamics. **Embo J** 29, 1889-1902.
11. Saint-Michel, E., Giannone, G., Choquet, D., and Thoumine, O. (2009). Neurexin/neuroligin interaction kinetics characterized by counting single cell-surface attached quantum dots. **Biophysical journal** 97, 480-489.
12. Tigaret, C., and Choquet, D. (2009). Neuroscience. More AMPAR garnish. Science 323, 1295-1296.
13. Frischknecht[+], R., Heine[+], M., Perrais, D., Seidenbecher, C.I., **Choquet[*], D.**, Gundelfinger[*], E.D., [+]equal contribution, (2009). The brain extracellular matrix limits lateral diffusion of AMPA receptors and modulates short-term synaptic plasticity. **Nature Neuroscience** *31 May 2009, doi:10.1038/nn.2338,* .
14. Michaluk, P., Mikasova, L., Groc, L., Frischknecht, R., **Choquet, D.**, and Kaczmarek, L. (2009). Matrix metalloproteinase-9 controls NMDA receptor surface diffusion through integrin beta1 signaling. **J Neurosci** *29*, 6007-6012.
15. Petrini, E.M., Lu, J., Cognet, L., Lounis, B., Ehlers, M.D., and **Choquet, D.** (2009). Endocytic trafficking and recycling maintain a pool of mobile surface AMPA receptors required for synaptic potentiation. **Neuron** *63*, 92-105.
16. Renner, M., **Choquet, D.,** and Triller, A. (2009). Control of the postsynaptic membrane viscosity. **J Neurosci** *29*, 2926-2937.
17. Groc, L., **Choquet, D.**, and Chaouloff, F. (2008). The stress hormone corticosterone conditions AMPAR surface trafficking and synaptic potentiation. **Nat Neurosci** *11*, 868-870.
18. Heine, M., Groc, L., Frischknecht, R., Beique, J.C., Lounis, B., Rumbaugh, G., Huganir, R.L., Cognet, L., and **Choquet, D.** (2008). Surface mobility of postsynaptic AMPARs tunes synaptic transmission. **Science** *320*, 201-205.
19. Heine, M., Thoumine, O., Mondin, M., Tessier, B., Giannone, G., and **Choquet, D.** (2008). Activity-independent and subunit-specific recruitment of functional AMPA receptors at neurexin/neuroligin contacts. **Proceedings of the National Academy of Sciences of the United States of America** *105*, 20947-20952.
20. Mikasova, L., Groc, L., **Choquet, D.**, and Manzoni, O.J. (2008). Altered surface trafficking of presynaptic cannabinoid type 1 receptor in and out synaptic terminals parallels receptor desensitization. **Proceedings of the National Academy of Sciences of the United States of America** *105*, 18596-18601.
21. Thoumine, O., Ewers, H., Heine, M., Groc, L., Frischknecht, R., Giannone, G., Poujol, C., Legros, P., Lounis, B., Cognet, L., and **Choquet, D.** (2008). Probing the dynamics of protein-protein interactions at neuronal contacts by optical imaging. **Chem Rev** *108*, 1565-1587.
22. Triller, A., and **Choquet, D.** (2008). New concepts in synaptic biology derived from single-molecule imaging. **Neuron** *59*, 359-374.
23. **Choquet, D.**, and Triller, A. (2008). Surface Trafficking of Membrane Proteins at Excitatory and Inhibitory Synapses. In Synapse strucure and function, M. Ehelers, and J. Hell, eds. (in press).
24. Saglietti, L., Dequidt, C., Kamieniarz, K., Rousset, M.C., Valnegri, P., Thoumine, O., Beretta, F., Fagni, L., **Choquet, D.**, Sala, C.*, et al.* (2007). Extracellular Interactions between GluR2 and N-Cadherin in Spine Regulation. *Neuron* 54, 461-477.
25. Groc, L., Lafourcade, M., Heine, M., Renner, M., Racine, V., Sibarita, J.B., Lounis, B., **Choquet, D.**, and Cognet, L. (2007). Surface trafficking of neurotransmitter receptor: comparison between single-molecule/quantum dot strategies. *J Neurosci* 27, 12433-12437.
26. Groc, L., **Choquet, D.**, Stephenson, F.A., Verrier, D., Manzoni, O.J., and Chavis, P. (2007). NMDA receptor surface trafficking and synaptic subunit composition are developmentally regulated by the extracellular matrix protein Reelin. *J Neurosci* 27, 10165-10175.
27. Ehlers, M.D., Heine, M., Groc, L., Lee, M.C., and **Choquet, D.** (2007). Diffusional Trapping of GluR1 AMPA Receptors by Input-Specific Synaptic Activity. *Neuron* 54, 447-460.

28. Dequidt, C., Danglot, L., Alberts, P., Galli, T., **Choquet, D.**, and Thoumine, O. (2007). Fast turnover of L1 adhesions in neuronal growth cones involving both surface diffusion and exo/endocytosis of L1 molecules. *Molecular biology of the cell* 18, 3131-3143.
29. Coussen, F., and **Choquet, D.** (2007). Neuroscience: wrestling with SUMO. *Nature* 447, 271-272.
30. Breillat, C., Thoumine, O., and **Choquet, D.** (2007). Characterization of SynCAM surface trafficking using a SynCAM derived ligand with high homophilic binding affinity. *Biochem Biophys Res Commun* 359, 655-659.
31. Bats, C., Groc, L., and **Choquet, D.** (2007). The interaction between Stargazin and PSD-95 regulates AMPA receptor surface trafficking. *Neuron* 53, 719-734.
32. Thoumine, O., Lambert, M., Mege, R.M., and **Choquet, D.** (2006). Regulation of N-cadherin dynamics at neuronal contacts by ligand binding and cytoskeletal coupling. *Molecular biology of the cell* 17, 862-875.
33. Legros, P., **Choquet, D.**, Gueguen, S., Mottay, E.P., and Deguil, N. (2006). Simultaneous excitation of multiple fluororophores with a compact femtosecond laser. *Proceedings of the SPIE* 6089, 135-140.
34. Lasne, D., Blab, G.A., Berciaud, S., Heine, M., Groc, L., **Choquet, D.**, Cognet, L., and Lounis, B. (2006). Single nanoparticle photothermal tracking (SNaPT) of 5-nm gold beads in live cells. *Biophysical journal* 91, 4598-4604.
35. Groc, L., Heine, M., Cousins, S.L., Stephenson, F.A., Lounis, B., Cognet, L., and **Choquet, D.** (2006). NMDA receptor surface mobility depends on NR2A-2B subunits. *Proceedings of the National Academy of Sciences of the United States of America* 103, 18769-18774.
36. Groc, L., Heine, M., Cognet, L., Lounis, B., and **Choquet, D.** (2006). Lateral diffusion of excitatory neurotransmitter receptors during synaptogenesis. *Molecular Mechanisms of Synaptogenesis* Publisher: Springer U.S.A., New York., 221-232.
37. Groc, L., and **Choquet, D.** (2006). AMPA and NMDA glutamate receptor trafficking: multiple roads for reaching and leaving the synapse. *Cell Tissue Res* 326, 423-438.
38. Cognet, L., Groc, L., Lounis, B., and **Choquet, D.** (2006). Multiple routes for glutamate receptor trafficking: surface diffusion and membrane traffic cooperate to bring receptors to synapses. *Sci STKE* 2006, pe13.
39. Triller, A., and **Choquet, D.** (2005). Surface trafficking of receptors between synaptic and extrasynaptic membranes: and yet they do move! *Trends Neurosci* 28, 133-139.
40. Thoumine, O., Saint-Michel, E., Dequidt, C., Falk, J., Rudge, R., Galli, T., Faivre-Sarrailh, C., and **Choquet, D.** (2005). Weak effect of membrane diffusion on the rate of receptor accumulation at adhesive contacts. *Biophysical journal* 89, L40-42.
41. Groc, L., **Choquet, D.**, Lounis, B., and Cognet, L. (2005). Single-molecule detection: Unravelling surface receptor diffusion in live neurons. *The Biochemist* Oct 2005, 5-8.
42. Cognet, L., Lounis, B., and **Choquet, D.** (2005). Tracking receptors by optical imaging of single molecules. In Imaging in Neuroscience and Development : A Laboratory Manual (Cold Spring Harbor, NY, Cold Spring Harbor Lab Press), p. 521.
43. Legros, P., **Choquet, D.**, Mottay, E.P., Deguil, N., and Salin, F. (2004). Comparative analysis of infrared fluorescence generation in multiphoton spectroscopy. *Proc SPIE* 5323, 314-318.
44. Groc, L., Heine, M., Cognet, L., Brickley, K., Stephenson, F.A., Lounis, B., and **Choquet, D.** (2004). Differential activity-dependent regulation of the lateral mobilities of AMPA and NMDA receptors. *Nat Neurosci* 7, 695-696.
45. Falk, J., Thoumine, O., Dequidt, C., **Choquet, D.**, and Faivre-Sarrailh, C. (2004). NrCAM coupling to the cytoskeleton depends on multiple protein domains and partitioning into lipid rafts. *Molecular biology of the cell* 15, 4695-4709.
46. Deguil, N., Mottay, E., Salin, F., Legros, P., and **Choquet, D.** (2004). Novel diode-pumped infrared tunable laser system for multi-photon microscopy. *Microsc Res Tech* 63, 23-26.
47. Triller, A., and **Choquet, D.** (2003). Synaptic structure and diffusion dynamics of synaptic receptors. *Biol Cell* 95, 465-476.
48. Tardin, C., Cognet, L., Bats, C., Lounis, B., and **Choquet, D.** (2003). Direct imaging of lateral movements of AMPA receptors inside synapses. *Embo J* 22, 4656-4665.
49. Serge, A., Fourgeaud, L., Hemar, A., and **Choquet, D.** (2003). Active surface transport of metabotropic glutamate receptors through binding to microtubules and actin flow. *J Cell Sci* 116, 5015-5022.

50. Deguil, N., Mottay, E., Salin, F., and **Choquet, D.** (2003). A novel diode-pumped tunable system for multiphoton microscopy. *Proc SPIE* 5139, 36-41.
51. Cognet, L., Tardin, C., Boyer, D., **Choquet, D.**, Tamarat, P., and Lounis, B. (2003). Single metallic nanoparticle imaging for protein detection in cells. *Proceedings of the National Academy of Sciences of the United States of America* 100, 11350-11355.
52. **Choquet, D.**, and Triller, A. (2003). The role of receptor diffusion in the organization of the postsynaptic membrane. *Nat Rev Neurosci* 4, 251-265.
53. Adami, R., Cintio, O., Trombetta, G., **Choquet, D.**, and Grazi, E. (2003). On the stiffness of the natural actin filament decorated with alexa fluor tropomyosin. *Biophys Chem* 104, 469-476.
54. Serge, A., Fourgeaud, L., Hemar, A., and **Choquet, D.** (2002). Receptor activation and homer differentially control the lateral mobility of metabotropic glutamate receptor 5 in the neuronal membrane. *J Neurosci* 22, 3910-3920.
55. Lambert, M., **Choquet, D.**, and Mege, R.M. (2002). Ligand-induced mobilization of cadherins triggers their anchoring to the actin cytoskeleton through a Rac1-dependent process. *J. Cell Biol.* 157, 469-479.
56. Lambert, M., **Choquet, D.**, and Mege, R.M. (2002). Dynamics of ligand-induced, Rac1-dependent anchoring of cadherins to the actin cytoskeleton. *The Journal of cell biology* 157, 469-479.
57. Coussen, F., Normand, E., Marchal, C., Costet, P., **Choquet, D.**, Lambert, M., Mege, R.M., and Mulle, C. (2002). Recruitment of the kainate receptor subunit glutamate receptor 6 by cadherin/catenin complexes. *J Neurosci* 22, 6426-6436.
58. Coussen, F., **Choquet, D.**, Sheetz, M.P., and Erickson, H.P. (2002). Trimers of the fibronectin cell adhesion domain localize to actin filament bundles and undergo rearward translocation. *J Cell Sci* 115, 2581-2590.
59. Cognet, L., Coussen, F., **Choquet, D.**, and Lounis, B. (2002). Fluorescence microscopy of single autofluorescent proteins for cellular biology. *Compte Rendus Physique* 3, 645-656.
60. Borgdorff, A.J., and **Choquet, D.** (2002). Regulation of AMPA receptor lateral movements. *Nature* 417, 649-653.
61. Adami, R., Cintio, O., Trombetta, G., **Choquet, D.**, and Grazi, E. (2002). Effects of Chemical Modification, Tropomyosin, and Myosin Subfragment 1 on the Yield Strength and Critical Concentration of F-Actin. *Biochemistry* 41, 5907-5912.
62. Meier, J., Vannier, C., Sergé, A., Triller, A., and **Choquet, D.** (2001). Fast and reversible trapping of surface glycine receptors by gephyrin. *Nature Neuroscience* 4, 253-260.
63. Cintio, O., Adami, R., **Choquet, D.**, and Grazi, E. (2001). On the elastic properties of tetramethylrhodamine F-actin. *Biophys Chem* 92, 201-207.
64. **Choquet, D.**, and Hémar, A. (2000). Homer : le produit d'un gène précoce intervient dans le fonctionnement et la structure des synapses glutamatergiques. *Médecine Science* 16, 440-443.
65. Sheetz, M.P., Felsenfeld, D., Galbraith, C.G., and **Choquet, D.** (1999). Cell migration as a five-step cycle. *Biochem Soc Symp* 65, 233-243.
66. Adami, R., **Choquet, D.**, and Grazi, E. (1999). Rhodamine phalloidin F-actin: critical concentration versus tensile strength. *Eur J Biochem* 263, 270-275.
67. **Choquet, D.**, Felsenfeld, D.P., and Sheetz, M.P. (1997). Extracellular matrix rigidity causes strengthening of integrin- cytoskeleton linkages. *Cell* 88, 39-48.
68. Felsenfeld, D.P., **Choquet, D.**, and Sheetz, M.P. (1996). Ligand binding regulates the directed movement of beta1 integrins on fibroblasts. *Nature* 383, 438-440.
69. Cassard, S., **Choquet, D.**, Fridman, W.H., and Bonnerot, C. (1996). Regulation of ITAM signaling by specific sequences in Ig-β BCR subunit. *Journal of biological Chemistry* 271, 23786-23791.
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72. Drakopoulou, E., Cotton, J., Virelizier, H., Bernardi, E., Schoofs, A.R., Partiseti, M., **Choquet, D.**, Gurrola, G., Possani, L.D., and Vita, C. (1995). Chemical Synthesis, Structural and Functional

Characterisation Of Noxiustoxin, a Powerful Blocker Of Lymphocyte Voltage-Dependent K+ Channels. *Biochemical & Biophysical Research Communications* 213, 901-907.
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76. **Choquet, D.**, and Partiseti, M. (1994). Ion channels in B lymphocytes (editorial). *Pathologie Biologie* 42, 279-285.
77. Partiseti, M., Korn, H., and **Choquet, D.** (1993). Pattern of potassium channel expression in proliferating B lymphocytes depends upon the mode of activation. *Journal of Immunology* 151, 2462-2470.
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79. Beaufils, P., **Choquet, D.**, Mamoun, R.Z., and Malissen, B. (1993). The (YXXL/I)2 signalling motif found in the cytoplasmic segments of the bovine leukaemia virus envelope protein and Epstein-Barr virus latent membrane protein 2A can elicit early and late lymphocyte activation events. *EMBO Journal* 12, 5105-5112.
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83. Bonnerot, C., Amigorena, S., **Choquet, D.**, Pavlovich, R., Choukroun, V., and Fridman, W.H. (1992). Role of associated gamma-chain in tyrosine kinase activation via murine Fc gamma RIII. *EMBO Journal* 11, 2747-2757.
84. Amigorena, S., Bonnerot, C., Drake, J.R., **Choquet, D.**, Hunziker, W., Guillet, J.G., Webster, P., Sautes, C., Mellman, I., and Fridman, W.H. (1992). Cytoplasmic domain heterogeneity and functions of IgG Fc receptors in B lymphocytes. *Science (New York, N.Y* 256, 1808-1812.
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C. Ongoing Research Support:

Conseil Régional d'Aquitaine 01/01/010-31/12/112
Equipement grant :

ERA-NET NEURON FP7: 2009-2012
Development of new chemical and optical tools to study and modulate glutamate receptor surface trafficking in synaptic transmission in different models of neurodegenerative diseases. D. Choquet (Coordinator)/ B Bioulac/R Tampé/E Gundelfinger/L Kazmareck.

Projet International de Coopération Scientifique (PICS): 2009-2010
Probing Nanoscale Architecture and Dynamics at Synapses. Daniel Choquet, Coordinator. Co-investigators: Brahim Lounis, CPMOH, France; Michael D. Ehlers, Duke University, USA, Richard Weinberg, Chappel Hill, USA

ANR Blanche "Chem-Traffic" 2009-2012 :
Development and exploitation of new chemical tools to investigate synaptic plasticity D. Choquet.

Advanced Research Grant ERC: "Nano-Dyn-Syn" 2009-2013.
D. Choquet Coordinateur. Nano-Scale Organization Dynamics and Functions of Synapses: from single molecule tracking to the physiopathology of excitatory synaptic transmission

ANR Neuroscience "Stim-Traf-Park" 2008-2010
B. Bioulac/ D. Choquet. Properties and impact of AMPAR surface diffusion in deep brain stimulation response of STN-SNr synapses in normal and Parkinson models

Conseil Régional d'Aquitaine 01/01/07-31/12/10
Micro-Cor: correlative microscopy of synaptic function - The main goal of this proposal is to develop ultra high resolution imaging techniques and correlate EM and optical data.

French National Research Agency Neuroscience 01/06/07-31/06/10
Dynamics and function of neurexin/neuroligin adhesive contacts as a trigger of synaptogenesis

Completed Research Support

Fondation pour la Recherche Médicale: 2009
program grant for equipment of core facilities

Human Frontier Science Program Grant 01/09/06-31/08/08
Spatiotemporal dynamics and macromolecular organization of synaptic proteins.

Fondation pour la Recherche Médicale 01/09/06-31/08/08
Dynamic imaging of glutamate receptors, control of neuronal excitotoxicity by the regulation of receptor-scaffold protein interactions.

European Community Grant GRIPANT 01/09/06-31/08/08
Glutamate Receptor Interacting Proteins as Novel Neuroprotective Targets

French National Research Agency Neuroscience 01/09/06-31/08/08
Spatiotemporal dynamics and macromolecular organization of proteins at excitatory and inhibitory synapses

Conseil Régional d'Aquitaine 01/09/06-31/08/07
Nano-Neuro-Imagerie - Developement of new nano-particles for single molecule approaches

Conseil Régional d'Aquitaine 01/09/06-31/08/07
Equipment for the imaging core facility

Association Française contre les Myopathies 01/09/06-31/08/07
Dynamic imaging of glutamate receptor-scaffold protein interactions in glutamate induced neuronal death

Conseil Régional d'Aquitaine 01/09/04-31/08/06
Nouvelles approches d'imagerie pour l'étude de l'organisation et de la dynamique des membranes biologiques

French ministry of research program grant DRAB 01/09/03-31/08/05
Architecture macromoléculaire des récepteurs NMDA. Etude par trois méthodes fluorométriques : fluorescence de molécules uniques, transfert d'energie et BiFC (Bimolecular Fluorescence Complementation).

French ministry of research program grant ACI BCMS 01/09/03-31/08/05
Trafic juxtamembranaire des protéines synaptiques : dynamique et interactions moléculaires

Fédération des recherches sur le Cerveau : Dynamique du contrôle du trafic des récepteurs au glutamate par la dopamine : une étude en temps réel par imagerie sur tissus et cellules vivantes.

European community Grant KAR-TRAP 01/09/01-31/08/04
Kainate and AMPA receptor trafficking.

Conseil Régional d'Aquitaine 01/09/01-31/08/04
Diffusion de biomolécules uniques marquées dans des membranes modèles et dans des neurones vivants

CNRS ATIPE young investigator Grant 01/09/99-31/08/02