

## **D12 – CONFERENCE PRESENTATIONS**

### **“DEVANX” PROJECT**

**“Serotonin and GABA-B receptors in anxiety: from developmental risk factors to treatment”**

**GRANT AGREEMENT N° 201714  
COLLABORATIVE PROJECT**

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### Document Abstract

This deliverable lists the conferences, events and other presentations (posters presentations, workshops) related to Devanx results and performed by the partners from August 2010 to July2012.

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## List of conferences and workshops

### 1. INSERM

#### A. ENCP - European College of Neuropsychopharmacology

***“Antidepressant-induced functional adaptive changes in 5-HT<sub>2C</sub> receptors: are they underlying their anxiolytic effects?”*** Symposium, mRNA editing, constitutive activity and therapeutic perspectives of 5-HT<sub>2C</sub> receptors, Raymond Mongeau European College of Neuropsychopharmacology (ECNP) 23rd Congress, Amsterdam, Holland (2010).

***“Behavioural and neurochemical consequences of 5-HT transporter deletion on 5-HT<sub>2C</sub> receptor functions in mice”***, CBP Martin.  
European College of Neuropsychopharmacology (ECNP) 23rd Congress, Amsterdam, Holland (2010).

***“Behavioural and neurochemical characterisation of central neuropathic pain after spinal cord transection in the rat”***  
MDahoma S, Massart R, Chali F, Orsal D, Chevarin C, Kayser V, Bourgoin S, Hamon M.  
*European Neuropsychopharmacology*, 2010 Aug;20: S332-S33.

***“Pharmacological modulations of epigenetic regulation at BDNF/TrkB signaling in SH-SY5Y human neuroblastoma cells”***  
Boufle F, Hove D, Goethals A, Chinwang J, Pannaye P, Voncken W, Michaels B, Romano A, Lanfumey L, Steinbusch H, Kenis G. *European college of Neuropsychopharmacology (ECNP) workshop for young scientists in Europe*, Nice (France), 15-18 Mars 2011.

***“5-HT receptor modulation of anxiety”***, Laurence Lanfumey.  
*European College of Neuropsychopharmacology (ECNP) 24rd Congress, Paris Sept 2011.*

***“Effects of early ethanol consumption on cocaine- and morphine-induced conditioned place preference and ERK activation in mice”***  
Molet J, Herve D, Thiebot MH, Hamon M, Lanfumey L. *European Neuropsychopharmacology*. 2011 Sep;21:S574-S5

#### B. World Congress of Stress

***“Epigenetic and clock genes' expression perturbations in genetic and environmental models of depressive-like disorders”***, Renaud Massart.  
7<sup>o</sup> World Congres of Stress. Leiden, The Neederlands Sept 2010.

#### C. FENS - Forum of European Neuroscience

***“Genetic heterogeneity of raphe serotonin neurons as revealed in Pet1-KO mice”***

Kiyasova V. , Fernandez S. P. , Laine J., Stankovski L. , Muzerelle A. , Deneris E. & Gaspar P.  
*7th FENS Forum - Amsterdam, July 2010.*

***“Serotonin modulation of anxiety, fear and memory as revealed by Pet1-KO mice”***

Fernandez S. P., Kiyasova V & Gaspar P. *7th FENS Forum - Amsterdam, July 2010.*

***“Altered cortical maturation but normal barrel development in hyposerotonergic mice”***

Gaspar P., Lanfumey, L ; Mongeau, R. Narboux-Nême, N. *7th FENS Forum - Amsterdam, July 2010.*

***“GABAergic control of central serotonergic neurotransmission – Role of GABA<sub>B</sub> receptors and possible implication in the antidepressant action of ketamine”***

Martin CBP, Chevarin C, Gassman M, Hamon M, Bettler B, Lanfumey L, Mongeau R.. *The 8<sup>th</sup> FENS Forum of Neuroscience, Barcelone (Spain), 14-18 juillet 2012.*

***“Chronic ethanol intake-induced epigenetic modifications at bdnf gene level in the mouse hippocampus”***

Stragier E, Massart R, Hamon M, Lanfumey L. *The 8<sup>th</sup> FENS Forum of Neuroscience, Barcelone (Spain), 14-18 juillet 2012.*

***“Pharmacological modulations of epigenetic regulation at BDNF/TrkB signaling in differentiated SH-SY5Y cells”***

Boulle F, Hove D, Goethals A, Chinwang J, Pannaye P, Voncken W, Michaels B, Romano A, Hamon M, Lanfumey L, Steinbusch H, Kenis G. *The 8<sup>th</sup> FENS Forum of neuroscience, Barcelone (Espagne), 14-18 Juillet 2012.*

#### **D. Society for Neuroscience**

***“Paradoxical increase of hippocampal neurogenesis in serotonin deficient mice”***

S. K. Trowbridge, N. Narboux-Neme, S. L. Diaz, S. Jessberger, E. S. Deneris, P. Gaspar;  
*Society for Neuroscience- San Diego Monday, Nov 15, 2010.*

***“Intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in mice models early preclinical phase of Parkinson's disease: further evidences of the olfactory vector hypothesis”***

Prediger RDS, Aguiar AS JR, Rojas-Mayorquin AE, Matheus FC, Chevarin C, Del Bel E, Mongeau R, Hamon M, Lanfumey L, Raisman-Vozari R. *Program N° 52.1/L10, Neuroscience Meeting Planner. San Diego CA: Society for Neuroscience, 2010. Online.*

***“Involvement of 5-HT<sub>2A</sub> receptors in MDMA reinforcement and cue-induced reinstatement of MDMA seeking behaviour”***

Program N° 270.2/JJ8, Neuroscience Meeting Planner. Robledo P, Orejarena MJ, Lanfumey L, Maldonado R, *San Diego CA: Society for Neuroscience, 2010. Online*

***“Identifying subclasses of ascending raphe neurons”***

S Fernandez, C Cabezas, B Cauli, P Gaspar  
*Society for Neuroscience- Washington, October, 2011.*

***“Epigenetic modifications in genetic and environmental mouse models of depressive-like disorder: reversal by chronic treatment with agomelatine”***

Massart R, Stragier S, Païzanis E, Gabriel C., Mocaer E., Hamon M., Lanfumey L. *Program No. 394.18/WW16 2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online*

***“Further evidence of the neuroprotective effects of physical exercise in the 6-hydroxydopamine (6-OHDA) mouse model of Parkinson’s disease”***

Raisman-Vozari R, Aguiar A S Jr, Boemer G, Duzzioni M, Matheus FC, Stragier E, Chevarin C, Lanfumey L, Latini A, Prediger RDS. *Program No. 52.16/Y24 2011 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2011. Online.*

***“Serotonin neurons: Investigating the singularities of a diffuse neurotransmitter system”*** Patricia Gaspar, 10/ 2011.

*SFN –satellite - 21st Neuropharmacology Conference “Anxiety and Depression Washington”, USA;*

#### **E. Annual MORTIMER D. SACKLER Winter Conference**

***“What Can Be Learned From Hyposerotoninergic Mouse Models”***, Patricia Gaspar, 5. 1.2011. *26th MORTIMER D. SACKLER Winter Conference In Developmental Psychobiology, Herradura, Costa-Rica.*

#### **F. World Congress of Biological Psychiatry**

***“Relevance of periaqueductal gray 5-HT<sub>1A</sub> receptors in the escape-like behaviors observed in the tail suspension test.”***, Raymond Mongeau.

*10th World Congress of Biological Psychiatry. Prague, May 29- June 2 2011*

***“Relevance of periaqueductal gray 5-HT<sub>1A</sub> receptors in the escape-like behaviors observed in the tail suspension test”***

Mongeau R, Daran A, Lanfumey L, *10th World Congress of Biological Psychiatry. Prague, May 29- June 2 2011*

#### **G. Other conferences, meetings and national symposium**

***“Multiple facets of serotonin neurons”***, Patricia Gaspar, 12.2010.  
*INMED, Marseille;*

***“Genetic models targeting serotonin systems ; consequences of serotonin depletion”***  
Patricia Gaspar, 1.2011.

*University of Baltimore, USA.*

***“Probing the diversity of serotonin raphe neurons”*** Patricia Gaspar, 5.2011.

*The Neurobiology of Depression-Revisiting the serotonin hypothesis; Montreal, Canada ;*

***“Serotonin neurons: Investigating the singularities of a diffuse neurotransmitter system”*** Patricia Gaspar, 07/ 2012.

Stanford University, Palo Alto, USA;

**"Neurogenesis : Basic aspects and unsolved questions. Neuroplasticity – from bench to bedside"**, Laurence Lanfumey, *Journée Scientifique du Centre de Psychiatrie et Neurosciences, Sainte Anne Hospital, Paris (France) May 2010*

**"Mechanisms of neuroregeneration and neurodegeneration of possible relevance in psychiatric and neurological disorders"**, Laurence Lanfumey, March 2010.  
*Euron Workshop on "Drug Treatment of Psychiatric and neurological disorders" University of Minho, Braga (Portugal).*

**"What we learned and what can be expected from animal models of depressive disorders"**, Laurence Lanfumey.  
*3rd Meeting of West European Societies of Biological Psychiatry Berlin 2-4 June 2010*

**"Beyond the monoamine hypotheses"**, Laurence Lanfumey.  
*EPA Neuroimaging section Imaging Brain Plasticity and development Paris, 1-2 April 2010*

**"5-HT<sub>2c</sub> receptor activation inhibits stress-induced increase in 5-HT transmission: relevance to the effects of antidepressant drugs"**, Raymond Mongeau, *Symposium, The search for fast-acting antidepressants: An update. 18<sup>th</sup> European Congress of Psychiatry, Munich, Germany (2010)*

**"Sommes-nous produit de notre histoire ou de nos gènes ?"**, Laurence Lanfumey.  
*Matinées de l'Ireb 12 Oct 2010.*

**"Neuroplasticité et épigénèse chez la souris"**, Emilien Stragier.  
*20<sup>ème</sup> Colloque Scientifique de l'IREB. Créteil, Décembre 2010.*

**"Beyond monoamine hypotheses : The Neurobiology Of Depression - Revisiting the Serotonin Hypothesis"**, Laurence Lanfumey.  
*33e Symposium International du GRSNC Université de Montreal (Can) 2-3 mai 2011*

**"Environmental and genetic factors in the aetiology and treatment of anxio-depressive and addictive disorders"**, Laurence Lanfumey.  
*University Lille1 CNRS UMR8576, Lille 9 juin 2011.*

**"Pharmacological modulations of epigenetic regulation at BDNF/TrkB signaling in SH-SY5Y cells"**, Fabien Boulle.  
*The 9<sup>th</sup> Dutch Endo-Neuro-Psycho (ENP) meeting – Lunteren (Pays-Bas), 1-2 Juin 2011.*

**"Utilisation des tests d'interactions sociales chez la souris dans l'étude des mécanismes d'action des anxiolytiques et des antidépresseurs"**, Raymond Mongeau.  
*3<sup>ème</sup> Congrès Français de Psychiatrie, Symposium, Exclusion sociale et troubles de l'humeur, Lille, France (2011)*

**"Pertinence des récepteurs 5-HT<sub>1A</sub> de la substance grise périaqueducule dans les réponses de fuites observées dans le test de suspension par la queue"**, Raymond Mongeau.  
*Journées Annuelles de l'AFPBN, Paris, 1-2 Avril 2011*

***“Contrôle GABAergique du tonus sérotoninergique central–Rôle des récepteurs GABA<sub>B</sub> et implication possible dans l’action antidépressive de la kétamine”***, CBP Martin.  
*Congrès de l’AFPN, Paris, 15-17 mars 2012*

***“Dépression, au-delà de l’hypothèse monoaminergique”***, Laurence Lanfumey.  
*Université Paris Descartes Centre Universitaire des Saints-Pères Paris 27 mars 2012.*

***“Alcool : Impact des initiations (trop) précoces : que nous apprend le modèle des rongeurs?”***, Laurence Lanfumey.  
*Séminaire du jeudi à la CMME- Service du Professeur Rouillon Paris 02 février 2012.*

***“Multiscale analysis of single raphe neurons”***  
S Fernandez, C Cabezas, B Cauli, P Gaspar  
*IUPHAR, Serotonin Club Meeting, Montpellier, July 2012.*

***“Pharmacological modulations of epigenetic regulation at BDNF/TrkB signaling in SH-SY5Y cells”***  
Boulle F, Hove D, Goethals A, Chinwang J, Pannaye P, Voncken W, Michaels B, Romano A, Lanfumey L, Steinbusch H, Kenis G. *Colloque international “Epigenetic: from base to pathology. Colloque international IFR83, Paris, 12-14 octobre 2011*

***“Pharmacological modulations of epigenetic regulation at BDNF/TrkB signaling in SH-SY5Y cells”***  
Boulle F, Hove D, Goethals A, Chinwang J, Pannaye P, Voncken W, Michaels B, Romano A, Lanfumey L, Steinbusch H, Kenis G. *“Epigenetics, Brain and Behavior ” Colloques “Médecine et Recherche” Fondation Ipsen Paris - April 18, 2011.*

***“Anxiety-like and aggressive behaviors in mutant mice with fully edited 5-HT<sub>2C</sub> receptors”*** Martin CBP, Hamon M, Lanfumey L, Mongeau R.  
*10<sup>e</sup> Colloque des Neurosciences Marseille, May 24-27, 2011*

***“Yif1B, a chaperone protein for the dendritic targeting of the serotonin 5-HT<sub>1A</sub> receptor: from brain localization to knock-out mice”***  
Masson J, Franck B, Bazin le Douarin N, Lanfumey L, Darmon M. *10<sup>e</sup> Colloque des Neurosciences Marseille, May 24-27, 2011*

***“Alcohol, neuroplasticity and epigenesis in mice”***  
Stragier E, Hamon M, Massart R, Lanfumey L.  
*Colloque international IFR83, Epigenetics: from bases to pathology, Paris, 12-14 octobre 2011.*

***“Alcohol, neuroplasticity and epigenesis in mice”***  
Stragier E, Massart R, Hamon M, Lanfumey L *10<sup>e</sup> Colloque des Neurosciences Marseille, May 24-27, 2011*

***“Alcool, Neuroplasticité et épigenese chez la souris”***  
Stragier E, Massart R, Hamon M, Lanfumey L. *Journées Annuelles de l’AFPN, Paris, 1-2 Avril 2011.*



***“Epigenetic modifications after voluntary and chronic alcohol intake in C57BL/6j mice”*** Stragier E, Massart R, Hamon M, Lanfumey L.

*“Epigenetics, Brain and Behavior”*, Colloques *“Médecine et Recherche”* Fondation Ipsen Paris - April 18, 2011

***“Pharmacological characterization of neuropathic pain-like responses to intrathecal BDNF in rats”***

Viguier F, Michot B, Kayser V, Lanfumey L, Rognan D, Hamon M, Bourgoin S. *Fundamental & Clinical Pharmacology*. 2011 Apr;25:28

## 2. EMBL

All the presentations of EMBL during the third reporting period are Invited talks.

### A. Society for Neuroscience

***“Role of dentate gyrus in hippocampal learning and plasticity”***, Cornelius GROSS.

*SFN –satellite -Molecular Cellular Cognition (MCCS) Meeting*, San Diego, November 12 2010.

### B. ENCP - European College of Neuropsychopharmacology

***“Altered aggressive behavior following genetic and pharmacological manipulation of serotonin autoinhibition”***, Enrica Audero (winner of the ECNP Fellowship Award for Young Scientist). *European College of Neuropsychopharmacology (ECNP) 23rd Congress*, Amsterdam, Holland (2010).

***“Altered aggressive behavior following genetic and pharmacological manipulation of serotonin autoinhibition”***, Enrica Audero (selected speaker), Boris Mlinar, Zhiva K. Skachokova, Antonio Caprioli, Renato Corradetti and Cornelius Gross.

*European college of Neuropsychopharmacology (ECNP) workshop for young scientists in Europe*, Nice (France), 4-7 Mars 2010.

### C. Other conferences, meetings and national symposium

***“Dissecting Fear and Anxiety”***, Cornelius Gross

**Reference and place:** Max Planck Institute for Psychiatry, München, April 27, 2010.

***“Role of hippocampus and amygdala in fear and anxiety”***, Cornelius Gross

**Reference and place:** Italian Institute of Technology, Genova, April 15, 2010.

### 3. UNIBAS

#### A. Society for Neuroscience

***“Native GABAB receptors are heteromultimers with a family of auxiliary subunits”***

Martin Gassmann: 40<sup>th</sup> annual Meeting Neuroscience 2010, St. Diego, USA, 2010.

***“Regulation of GABAB receptors by auxiliary subunits”***, Bernhard Bettler, Minisymposium Annual Meeting Society for Neuroscience USA 2011, GABA-B receptor signalling in the brain: Insights into plasticity and function, Washington DC, USA, Nov12, 2011.

#### B. Oregon Health & Science University

***“Identification of auxiliary GABA-B receptor subunits”***, Bernhard Bettler, Oregon Health & Science University, Portland, USA, November 18, 2010.

#### C. MipTec Conference

***“Modulators of GABA-B – Kir3 coupling”***, Bernhard Bettler, MipTec Conference, Congress Center Basel, Switzerland, September 20-24, 2010.

#### D. Other conferences, meetings and national symposium

***“Regulation of GABAB receptor signaling by subunit composition”***, Bernhard Bettler, Synaptic Basis of Disease: Translating synaptic physiology into medical applications, University of Geneva, Switzerland, 11-13 July, 2012.

***“Regulation of neuronal GABAB receptor functions by subunit composition”***, Bernhard Bettler, Neurobiological Basis of Anxiety Disorders, Institut du Fer à Moulin, Paris, France, June 18, 2012.

***“Pharmacology and Physiology of Native GABAB Receptor Heteromultimers”***, Bernhard Bettler, Keystone Symposia on Molecular and Cellular Biology: G Protein-Coupled Receptors: Molecular Mechanisms and Novel Functional Insight, Fairmont, Banff Springs, Alberta, Canada, February 17-22, 2012.

***“GABA<sub>B</sub> receptors as drug targets for mental health disorders”***, Bernhard Bettler, Neurex Workshop “What do genetically modified rodents tell us about neurological and psychiatric disorders?” Institute de génétique et de biologie moléculaire et cellulaire (IGBMC), Illkirch Cedex, France, October 27-28, 2011

***“GABA<sub>B</sub> Receptors - Mechanisms of Diversity”***, Bernhard Bettler, European Symposium on Hormones and Cell Regulation Mont St. Odile, France, October 13-17, 2011

***“Beyond GABA<sub>B</sub> receptor heteromers: Insights into the role of auxiliary subunits”***, Bernhard Bettler, *7th International Meeting on Metabotropic Glutamate Receptors, Taormina, Italy, October 2-7, 2011.*

***“Molecular insights into GABA<sub>B</sub> receptor physiology”***, Bernhard Bettler, *European Synapse Summer School 2011, Bordeaux Neuroscience Institute, France, September 4 - 23, 2011.*

***“Molecular insights into GABA<sub>B</sub> receptor functions”***, Bernhard Bettler, *Gordon Research Conference on “Inhibition in the CNS Colby College, Waterville, Maine, USA, July 24-29, 2011.*

***“Molecular insights into the role of auxiliary GABA<sub>B</sub> receptor subunits”***, Bernhard Bettler, *Symposium “Mechanisms Regulating Membrane Protein Signaling”, The Hebrew University-Hadassah Medical School, Jerusalem, Israel, June 9, 2011.*

***“Patenting inventions arising from biological research: A personal perspective”***, Bernhard Bettler, *NCCR Synapsy – Synaptic Basis of Mental Health Disorders Villars, Switzerland, April 1-2, 2011.*

***“Molecular insights into functionally and pharmacologically distinct GABA-B responses”***, Bernhard Bettler, *Informa Life Sciences Annual G-Protein Coupled Receptors in Drug Discovery Congress Berlin, Germany, March 22-23, 2011.*

***“Reconciling differences between in vitro and in vivo GABA<sub>B</sub> responses”***, Bernhard Bettler, *Danish Society of Neuroscience Spring Symposium, Copenhagen, Denmark, February 4, 2011.*

***“Regulation of GABA-B receptor functions by subunit composition”***, Bernhard Bettler, *Paul Scherrer Institute, Villingen, Switzerland, May 23, 2012.*

***“GABA<sub>B</sub> receptors as drug targets for mental health disorders”***, Bernhard Bettler, *Max-Planck-Institute for Psychiatry, Munich, Germany, October 18, 2011*

***“GABA<sub>B</sub> receptors: From structure to synaptic physiology and mental disorders”***, Bernhard Bettler, *University of Regensburg, Germany, July 7, 2011.*

***“Molecular insights into GABA<sub>B</sub> receptor physiology”***, Bernhard Bettler, *Addex Pharmaceuticals, Geneva, Switzerland, June 16, 2011.*

***“GABA-B receptor subtypes as therapeutic targets for mental health disorders”***

R. Turecek, B. Bettler: *NCCR Synapsy Annual Meeting, 30-31.03.2012, Villars, Switzerland*

## 4. UCC

### A. European Behavioural Pharmacology Society

***“GABAB receptor blockade induces antidepressant-like behavioural effects: Relationship with neurogenesis”***, Felice D, O’Leary OF, Sweeney F, Pizzo R and Cryan JF.

**Reference and place:** European Behavioural Pharmacology Society, Workshop on drugs, psychiatric disorders and neurogenesis, September 2nd-3rd 2010, Tours, France.

**The two next UCC's presentations are invited Conferences lectures :**

### **B. World Congress on Stress**

***"Stress and the Brain-Gut axis: Neural mechanisms and genetic influences"***, Cryan JF.

**Reference and place:** 7th World Congress on Stress, Leiden, The Netherlands, August 2010.

### **C. ENCP - European College of Neuropsychopharmacology**

***"Animal models of co-morbid depression and irritable bowel syndrome"***, Cryan JF.

**Reference and place:** Animal models of co-morbid depression and irritable bowel syndrome. 23rd Congress of European College of Neuropsychopharmacology, Amsterdam, The Netherlands, August 2010.

## **5. UPO**

### **A. FENS - Forum of European Neuroscience**

***"Local CB1 hippocampal receptor activation is sufficient for reproducing the effects of cannabinoids on associative learning"***,

Madroñal, N., Gruart, A., Valverde, O., Moratalla, R. and Delgado-García, J.M., *Amsterdam (Holland): 7<sup>th</sup> Forum of European Neuroscience (FENS), 2010.*

***"Changes in strength at the hippocampal CA3-CA1 synapse during operant conditioning in behaving mice"***,

Jurado-Parras, M.T., Vega-Flores, G., Castellanos, N.P., del Pozo, F., Gruart, A. and Delgado-García, J.M., *Amsterdam (Holland): 7<sup>th</sup> Forum of European Neuroscience (FENS), 2010.*

***"Plastic modifications induced by object recognition memory processing"***,

Clarke, J., Cammarota,

M., Gruart, A., Izquierdo, I. and Delgado-García, J.M., *Amsterdam (Holland): 7<sup>th</sup> Forum of European Neuroscience (FENS), 2010.*

***"Hippocampal mechanisms of learning and preference during septal brain stimulation reward"***,

Vega-Flores, G., Gruart, A. and Delgado-García, J.M., *Barcelona (Spain): 8th FENS Forum of Neuroscience, 2012.*

***"Forebrain-specific knockdown of Stauf2 in transgenic rats impairs synaptic plasticity, spatial working memory and spatial novelty detection"***,

Clementi, S., Berger, S., Schoening, K., Gruart, A., Delgado-García, J.M. and Bartsch, D., *Barcelona (Spain): 8th FENS Forum of Neuroscience, 2012.*

***“Erasure of hippocampal learning and plasticity following transient blockade of dentate gyrus”***,

Madroñal, N., Gruart, A., Jan, A., Fernández-Guizán, A., Tsetsenis, T. and Gross, C., *Barcelona (Spain): 8th FENS Forum of Neuroscience, 2012.*

***“Brain Stimulation Reward and Hippocampus”***,

Vega-Flores, G., Gruart, A. and Delgado-García, J.M., *Barcelona (Spain): 8th FENS Forum of Neuroscience, 2012.*

***“Role of prefrontal circuits in decision making tasks involving different environmental constrains”***,

Jurado-Parras, M.T., López-Ramos, J.C., Guerra-Narbona, R., Gómez-Climent, M.A., Hernández-González, S., Gruart, A. and Delgado-García, J.M., *Barcelona (Spain): 8th FENS Forum of Neuroscience, 2012.*

***“Multisynaptic state functions characterizing the acquisition of new motor and cognitive skills”***,

Delgado-García, J.M., Sánchez-Campusano, R., Carretero-Guillén, A., Fernández-Lamo, I., Muñoz, M.D. and Gruart, A., *Barcelona (Spain): 8th FENS Forum of Neuroscience, 2012.*

***“Observational learning in mice can be prevented by medial prefrontal cortex stimulation and enhanced by nucleus accumbens stimulation”***,

Gruart, A., Jurado-Parras, M.T., Carponcy, J. and Delgado-García, J.M., *Barcelona (Spain): 8th FENS Forum of Neuroscience, 2012.*

### ***B. European Brain and Behaviour Society Meeting***

***“Early effects of choline (CHOL) and uridine-monophosphate (UMP) on instrumental conditioning and long-term potentiation (LTP) in rat pups”***,

Ramírez, M., Barranco, A., Jiménez, M.L., Martín, M.J., Oliveros, E., Gruart, A., Delgado-García, J.M. and Rueda, R., *Sevilla (Spain): 43<sup>rd</sup> European Brain and Behaviour Society Meeting (EBBS), 2011.*

***“Hippocampal mechanisms of self-stimulation behavior”***,

Vega-Flores, G., Gruart, A., López, I. and Delgado-García, J.M., *Sevilla (Spain): 43<sup>rd</sup> European Brain and Behaviour Society Meeting (EBBS), 2011.*

***“Driving cognitive processes by brain stimulation in mice”***,

Jurado-Parras, M.T., Gruart, A. and Delgado-García, J.M., *Sevilla (Spain): 43<sup>rd</sup> European Brain and Behaviour Society Meeting (EBBS), 2011.*

### ***C. Other conferences, meetings and national symposium***

***“Learning as a functional state of the brain: studies in wild-type and transgenic animals”***, José M. Delgado-García, IGBMC, *University of Strasbourg, France, 13.01.2011.*

***“Neurobiología del aprendizaje asociativo”***, Agnès Gruart, *Instituto Politécnico Nacional. Superior School of Medicine, México, D.F. (México), 10.03.2011.*

***“Mecanismos funcionales del aprendizaje motor y cognitivo”***,

Agnès Gruart, *Faculty of Medicine, University Complutense of Madrid (Spain), 28.04.2011.*

***“Physiology and pathology of the eyelid motor system”***,

José M. Delgado-García, *Università degli Studi di Milano, Italy, 17.06.2011.*

***“Circuitos neuronales que generan el aprendizaje asociativo”***,

Agnès Gruart, *Faculty of Medicine. University of Castilla La Mancha, Ciudad Real (Spain), 23.10.2011.*

***“Functional states underlying associative learning in mammals”***,

José M. Delgado-García, *The Max Planck Institute for Medical Research, Heidelberg, Germany, 13.01.2012.*

***“Introducción a los mecanismos de aprendizaje y memoria”***,

José M. Delgado-García, *Faculty of Medicine, Salamanca University, Spain. 02.02.2012.*

***“Cortical basis of associative learning”***,

Agnès Gruart, *Friederich Miescher Institute for Biomedical Research, Basel (Switzerland), 3.05.2012.*

***“Workshop of the 7th Framework Programme: Health”***, Agnès Gruart,

*University of Córdoba and Andalusian Government, Córdoba (Spain), 15.07.2010.*

***“Mecanismos neuronales que subyacen al aprendizaje, la creatividad y el recuerdo”***,

José M. Delgado-García. *Menendez Pelayo International University, Santander, Spain, 07.2012;*

***“Mechanisms for memorizing and forgetting”***,

Agnès Gruart, *National Royal Academy of Medicine, Madrid (Spain), 9.02.2012.*

***“El ejercicio físico revierte parcialmente los déficits de plasticidad sináptica en el ratón 3XTG-AD”***,

López-Ramos, J.C., García, Y., Guerra, R., Gruart, A., Giménez-Llort, L., Sanfeliu, C. and Delgado-García, J.M., *Salamanca (Spain): 4 National Meeting of the Spanish Society of Medicine, 2010.*

***“Fenotipaje cognitivo y estudio electrofisiológico de ratones SAMP8 como modelo de envejecimiento acelerado”***,

López-Ramos, J.C., Sanfeliu, C., Acuña-Castroviejo, D., Gruart, A. and Delgado-García, J.M., *Valladolid (Spain): Meeting of the Spanish Society of Geriatric and Gerontology, 2010.*

## 6. CIMH

### A. Biological colloquium, Dept. of Biology, TU Kaiserslautern

#### ***Gene und Gedächtnis: was können wir von konditionalen Maus-Mutanten lernen?***

Dusan Bartsch, 2.2008. *University Kaiserslautern, Kaiserslautern, Germany.*

Partner responsible: P06 CIMH

Type of audience: Scientific community.

### B. 2nd Annual Meeting of NGFN-Plus

#### **“Genetics of Alcohol Addiction”**

Dusan Bartsch, 11.2009. *NGFN Plus, Berlin, Germany.*

Partner responsible: P06 CIMH

Type of audience: Scientific community.

### C. Other conferences, meetings and national symposium

#### **“Conditional genetic manipulations in serotonergic neurons”**

Dusan Bartsch, 4.2008. *Columbia University, USA.*

Partner responsible: P06 CIMH

Type of audience: Scientific community.

#### **“Conditional expression systems in transgenic rodents”**

Dusan Bartsch, 6.2009. *University Mainz, Germany.*

Partner responsible: P06 CIMH

Type of audience: Scientific community.

#### **“Conditional RNAi-based knockdown “**

Dusan Bartsch, 3.2010. *Abbott, Ludwigshafen, Germany.*

Partner responsible: P06 CIMH

Type of audience: Scientific community.

#### **Age-dependent Memory Impairment**

Dusan Bartsch, 9.2010. *Heidelberg University, Heidelberg, Germany.*

Partner responsible: P06 CIMH

Type of audience: Scientific community.

#### **“Conditional gene control in the rodent brain”**

Dusan Bartsch, 3.2011. *Academy of Sciences, Praha, Czech Republic*

Partner responsible: P06 CIMH

Type of audience: Scientific community.

**“Transgenesis Strategies”** Dusan Bartsch, 8.2011. *Academy of Sciences, Praha, Czech Republic*

Partner responsible: P06 CIMH

Type of audience: Scientific community.

**“RNAi-based knockdown in transgenic rodents”**

Dusan Bartsch, 9.2011. *University Magdeburg, Magdeburg, Germany*

Partner responsible: P06 CIMH

Type of audience: Scientific community.