

Andreas Jeromin, PhD

PERSONAL DATA :

Professional Address : Banyan Biomarkers, Inc.
13400 Progress Blvd.
Alachua, FL 32615
USA
andreasjeromin@yahoo.com

ACHIEVEMENTS :

Developed strategic biomarker validation and translational neuroscience programs (psychiatric, neurodevelopmental neurodegeneration) with pharmaceutical, biotech and academic partners

Evaluated IVD platforms and managed partnerships in acute neurological injury (traumatic brain injury, stroke)

Developed business plan for analytical service lab and global marketing strategies and secured more than 2 Mill \$ in revenue in 18 months

Designed clinical validation studies/trials (phase I to III)

Established GLP/GMP-compliant service lab and performed biomarker assay qualification and validation for regulatory submission (CE Mark and PMA/510 k) (“from discovery to market”)

Developed strategic partnerships with government (DoD/DARPA, VA) and private entities

Established a human brain tissue depository and pipeline for molecular profiling and biomarker identification in human brain

Implemented new QA/QC measures for production

Developed novel high-throughput platforms for gene expression profiling (ISH, arrays/deep sequencing) and protein expression (Tecan and other platforms)

Developed and established novel histological (IHC)

protocols in FFPE and frozen tissue
Established a research program/ group for neuronal calcium sensor- 1/ GPCRs and ion channels to support drug discovery
Initiated and managed interdisciplinary collaborations
Developed novel tools and probes for neuronal expression and imaging of neuronal of synapses
Developed multi-parameter imaging and electrophysiological platforms for screening of cellular pathways and signaling adaptable to high-throughput screening (Cellomics, planar patch clamping)

RESPONSIBILITIES : Assume scientific leadership and develop partnerships
Integrate the analytical service lab with QA/QC and develop regulatory compliance
Assay qualification and validation
Develop business plans and identify market opportunities
Manage IVD platform partners and prepare for regulatory submission
Design experimental strategies for (high-throughput)
Biomarker profiling and creation of brain atlases
Identify market opportunities and develop marketing strategies
Present key findings for review and at scientific meetings
Coordinate the availability of multidisciplinary resources to ensure high levels of cooperation and coordination
Motivate and train junior colleagues to provide career development and personal growth

TECHNICAL SKILLS :

Multimodal biomarker discovery and validation
Acquisition of human tissue and imaging,
(Molecular) profiling of tissue and biofluids
(bio-repository)
Gene Expression Profiling and micromanipulation

(microarrays, laser capture microdissection) and bioinformatic analysis

High-throughput RNA profiling (tissue/ cells)

Organotypic slice cultures and neuronal cultures from rat And mice (wild-type/ knock-out and transgenic)

Cell culture, generation of stable cell lines expressing (fluorescent) reporters, fluorescent cell sorting analysis (FACS)

Electrophysiology of neuronal slice preparations and cell lines

Fluorescence and luminescence imaging/ assays (single-molecule, confocal and two- photon) of intracellular signaling events, fluorescent fusion proteins (split GFP, luciferase) and quantum dots

Familiarity with various microscopy platforms, including Cellomics, and software packages, including analysis

Two-photon imaging of synapses and neuronal circuits (connectomics)

Neuroanatomy and histology (immunofluorescence) and surgical manipulations in rats and mice (stereotactic injections), antibody generation and purification and protein conjugation

Sindbis-based and lentiviruses for neuron-specific expression and RNA interference

Protein expression and chemistry (FPLC), Western blotting and immunoprecipitation, organelle isolation

Molecular biology (PCR, cDNA library generation and screening, vector design/ cloning etc.)

Transgenic/ knock-out technology

EDUCATION :

Education	Degree	Year	Field
Medical School of Hannover, Germany	BS	1992	Medicine
Mt. Sinai Hospital, Toronto	MSc	1997	Physiology
University of Toronto	PhD	2001	Neuroscience

RESEARCH EXPERIENCE :

- 2010-present Director, Business Development and
Assay Core Services, Banyan Biomarkers, Inc.
- 2007-2009 Manager, Methods Development, Allen Institute for Brain Science,
Seattle,WA, Affiliated assistant professor in pharmacology, University of
Washington
- 2004.2007 Assistant professor (Research) , Inst. for Neuroscience, University of
Texas, Austin
- 2002.2004 Research Associate, Div. of Neuroscience, Baylor College of Medicine in
the lab of Dr. Daniel Johnston
- 1997-2001 PhD student at the Univ. of Toronto in the lab of Dr. John Roder
- 1996-1997 Master of Science at Mt Sinai Hospital, lab of Dr. Harold Atwood
- 1994-1995 Research Assistant, HHMI in New Haven and Baltimore
- 1989.1993 Research student & instructor, Medical School of Hannover and Univ. of
Hannover, Germany

PROFESSIONAL EMPLOYMENT :

- 2010-present Project Manager- Associate Director-Director, Banyan Biomarkers, Inc.
- 2007-2009 Manager, Methods Development, Allen Institute for Brain Science,
Seattle,WA, Affiliated assistant professor in pharmacology, University of
Washington
- 2004-2007 Ass. Professor (Research) , Inst. for Neuroscience, University of Texas,
Austin
- 2002.2004 Research Associate, Div. of Neuroscience, Baylor College of Medicine
Consultant : Naval Research Lab, SFC Fluidics, Inc.

HONORS AND AWARDS :

1986-1988, Scholar of the German Scholarship, Foundation for gifted students
1994-1995, Research Student Scholarship (Keck Foundation)
1996-2001, Medical Research Council studentship
1997, International Scholarship (U. of Toronto)
1997-2001, IMS Merit Awards
2003 HFSP short-term fellowship
2011 Elected Member of the Dana Alliance for Brain Initiatives

MEMBERSHIP IN PROFESSIONAL SOCIETIES :

Society for Neuroscience, American Society for the Advancement of Science, Society for Biomolecular Screening, American Society for Human Genetics, International Society for Magnetic Resonance Imaging in Medicine

AD HOC JOURNAL REVIEWS :

Genesis, Journal of Biological Chemistry, Journal of Neuroscience, Neuroscience
Member of the editorial board of *Ion Channels*

STEERING COMMITTEE/ SCIENTIFIC ADVISORY BOARD

Neuroscience Steering Committee- Biomarkers Consortium
NIH-Parkinson's Initiative
International Life Science Institute Institute Neuroimaging Initiative in Neurotoxicity
"New Ideas" Working Group of Biomarkers Consortium
ALS SAB
Michael J. Fox Foundation in Parkinson's
Safety Pharmacology Program Committee

Point-of-Care Center for Emerging Neurotechnologies (POC-CENT)
NIH-supported major depressive disorder (EMBARC)
Coalition against Major Diseases (CAMD)
One MIND data standardization working group

RECENT INVITED PRESENTATIONS :

Section of Neurobiology, Yale University, 2004
Department of Neurobiology, Brown University, March 2005
National Institute of Environmental Health Services, May 2005
University of Stuttgart, Germany, February 2006,
University of Milano, Italy, February 2006,
Hospital Salpêtrière, INSERM, Paris, France, February 2006.
Department of Pharmacology, Charité, Berlin, August 2006.
Duke University, Center for Translational Medicine, 2006.
Translational Genomics Institute (TGen), 2006.
International Neuroscience Workshop, Kyushu, Japan, 2007.
Neuron-Synapse Meeting, Boston, 2008.
Nanotech 2008, Boston, 2008.
Ion Channel Retreat, Vancouver, 2008.
Micro-to-Nano, Vancouver, 2008.
NYAS Connectivity Meeting, New York, 2008.
Brain Banking, Munich, 2008.
Max-Planck-Institute for Brain Cognition and Neuroscience, Leipzig, Germany, 2009.
Translational Neuroscience, Lucerne, Switzerland, 2009.
Society for Biological Psychiatry, Vancouver, BC, (Chair/Invited presentation), 2009
HTS assays for profiling, World Pharmaceutical Congress, Philadelphia, 2009.
Human Brain Mapping, Society meeting, San Francisco, 2009
Virginia Commonwealth University, Richmond, VA
Pfizer, Groton, CT, April 2010,
University of Miami, May 2010.
International Society of Human Brain Mapping, June 2010 (invited speaker)
National Neurotrauma Society, Las Vegas, June 2010 (invited speaker)
Ion Channel Retreat, June 2010 (member of scientific advisory committee)
Light-based Approaches to Neural Circuit Approaches, Janelia Farm meeting, October 2010 (invited speaker)

Annual National Academies Keck *Futures Initiative* (NAKFI) November 2010 (invited speaker).

Wellcome Trust meeting : Biomarkers in brain disorders: challenges and opportunities. February 2011 (scientific organizer).

Neurotech Investment Summit (Chair), September 2011.

Annual Meeting of the Neurocritical Care Society (invited presentation), September 2011.

Webinar “Biomarkers in Neurotoxicity” with FDA participation

Biomarker to shorten Clinical trials conference, November 2011 (invited speaker).

Pfizer, Groton, December 2011.

REVIEWED PUBLICATIONS :

Jeromin, A., Haganir, R. and Linden, D. Suppression of the glutamate receptor delta-2 subunit produces a specific impairment in cerebellar long-term depression. *J. Neurophysiol.* 76:3578-3583, 1996.

Bruns, D., Enger, S., Yang, C., Ossig, R., Jeromin, A. and Jahn, R. Inhibition of transmitter release correlates with the proteolytic activity of tetanus toxin and botulinus toxin A in individual cultured synapses of *Hirudo medicinalis*. *J. Neurosci.* 17:1898-1910, 1997.

Jeromin, A., Shayan, A.J., Msghina, M., Roder, J., and Atwood, H.L. Crustacean frequenins: molecular cloning and differential localization at neuromuscular junctions. *J. Neurobiol.* 5:41(2):165-75, 1999.

Werle, M.J., Roder, J., and Jeromin, A. Expression of frequenin at the frog (*Rana*) neuromuscular junction, muscle spindle and nerve. *Neurosci. Lett.* 284(1-2):33-6, 2000.

Weisz, O.A., Gibson, G.A., Leung, S.M., Roder, J., and Jeromin, A. Overexpression of frequenin, a modulator of phosphatidylinositol 4-kinase, inhibits biosynthetic delivery of an apical protein in polarized madin-darby canine kidney cells. *J. Biol. Chem.* 275(32):24341-7, 2000.

Lee, M.S., Zhu, Y.L., Sun, Z., Rhee, H., Jeromin, A., Roder, J., and Dannies, P.S. Accumulation of synaptosomal-associated protein of 25 kDa (SNAP-25) and other proteins associated with the secretory pathway in GH4C1 cells upon treatment with estradiol, insulin, and epidermal growth factor. *Endocrinology* 141(9):3485-92, 2000.

Fisher, J.R., Sharma, Y., Iuliano, S., Picciotti, R.A., Krylov, D., Hurley, J., Roder, J., and Jeromin, A. Purification of myristoylated and nonmyristoylated neuronal calcium sensor-1 using single-step hydrophobic interaction chromatography. *Protein Expr. Purif.* 20(1):66-72, 2000.

Sage, C., Venteo, S., Jeromin, A., Roder, J., and Dechesne, C.J. Distribution of frequenin in the mouse inner ear during development, comparison with other calcium-binding proteins and synaptophysin. *Hear. Res.* 150(1-2):70-82, 2000.

Gombos, Z., Jeromin, A., Mal, T.K., Chakrabarty, A., and Ikura, M. Calexcitin B is a new member of the sarcoplasmic calcium-binding protein family. *J. Biol. Chem.*

22;276(25):22529-36, 2001.

Chen, X.L., Zhong, Z.G., Yokoyama, S., Bark, C., Meister, B., Berggren, P.O., Roder, J., Higashida, H., and Jeromin, A. Overexpression of rat neuronal calcium sensor-1 in rodent NG108-15 cells enhances synapse formation and transmission. *J. Physiol.* 532(Pt 3):649-59, 2001.

DiDregorio, D.A., Negrete, O., Jeromin, A., Peng, H.B., and Vergara, J. Codistribution of functional calcium channels and synaptic vesicles at contact regions of a neuromuscular junction. *Eur. J. Neurosci.* 14:33-46, 2001.

Génin, A., Davis, S., Meziane, V., Doyère, V., Jeromin, A., Roder, J., Mallet, J., and Laroche, S. Regulated expression of the neuronal calcium sensor-1 gene during long-term potentiation in the dentate gyrus in vivo. *Neuroscience* 106:571-7, 2001.

Guild, S.B., Murray, A.T., Wilson, M.L., Jin, Y., Rindler, M., Roder, J., and Jeromin, A. Overexpression of NCS-1 in AtT20 cells affects ACTH secretion and storage. *Mol. Cell. Endocrin.* 184:51-63, 2001.

Scalettar, B.A., Rosa, P., Taverna, E., Francolini, M., Tsuboi, T., Terakawa, S., Roder, J., and Jeromin, A. Real-time imaging of neuronal calcium sensor-1 and synaptophysin as components of synaptic-like microvesicles in differentiated PC12 cells. *J. Cell Sci.* 115:2399-412, 2002.

Pan, C.Y., Jeromin, A., Lundstrom, K., Roder, J., and Fox, A. Alterations in exocytosis induced by neuronal calcium sensor-1 in bovine chromaffin cells. *J. Neurosci.* 22:2427-33, 2002.

Koizumi, S., Rosa, P., Willars, G.B., Challis, R.A.J., Taverna, E., Francolini, M., Bootman, M.D., Lipp, P., Inoue, K., Roder, J. and Jeromin, A. Mechanisms underlying the neuronal calcium sensor-1 evoked enhancement of exocytosis in PC12 cells. *J. Biol. Chem.* 277:30315-30324, 2002.

Tsujimoto, T.,* Jeromin, A.* , Roder, J. and Takahashi, T. (* equal authors) Facilitation of presynaptic calcium currents by neuronal calcium sensor-1. *Science* 295:2276-9, 2002.

Bergmann, M., Grabs, D., Roder, J., Rager, G., and Jeromin, A. Differential expression of neuronal calcium sensor-1 in the developing chick retina. *J. Comp. Neurol.* 449:231-40, 2002.

Jinno, S., Jeromin, A., Roder, J., Kosaka, T. Immunocytochemical localization of neuronal calcium sensor-1 in the hippocampus and cerebellum of the mouse with special reference to presynaptic terminals. *Neuroscience* 113:449-61, 2002.

Taverna, E., Francolini, M., Jeromin, A., Hilfiker, S., Roder, J., Rosa, P. Neuronal calcium sensor-1 and phosphatidylinositol 4-kinase beta interact in neuronal cells and are translocated to membranes during nucleotide-evoked exocytosis. *J. Cell Sci.* 115: 3909-22, 2002.

Rajebhosale, M., Greenwood, S., Vidugiriene, J., Jeromin, A., Hilfiker, S. Phosphatidylinositol 4-OH kinase is a downstream target of neuronal calcium sensor-1 in enhancing exocytosis in neuroendocrine cells. *J. Biol. Chem.* 278 : 6075-84, 2003.

Rousset, M., Cens, T., Gavarini, S., Jeromin, A. and Charnet, P. Down-regulation of voltage-dependent calcium channels by neuronal calcium sensor-1 is beta-subunit dependent. *J. Biol. Chem.* 278 : 7019-26, 2003.

- Jinno, S., Jeromin, A., Roder, J. and Kosaka, T. Compartmentation of the mouse cerebellar cortex by neuronal calcium sensor-1. *J. Comp. Neurol.* 458 : 412-24, 2003.
- Barnea, Y.K, Melnikov, S., Shefler, I., Jeromin, A., Sagi-Eisenberg, R. Neuronal calcium sensor-1 (NCS-1) and phosphatidyl 4-kinase beta regulate IgE receptor triggered exocytosis in cultured mast. cells. *J. Immunology*, 2003.
- Jeromin, A., Yuan, L.-L., Frick, A, Pfaffinger, P., Johnston, D. A modified Sindbis virus for prolonged expression in neurons. *J. Neurophysiol.* 90:2741-2745, 2003.
- Sippy, T., Cruz-Martin, A., Jeromin, A., Schweizer, F. Acute changes in short-term plasticity independent of initial release at synapses with elevated levels of NCS-1. *Nature Neurosci.* 6:1031-1038, 2003.
- Brochetta, C., Perrotta, M.G., Jeromin, A., Romano, M., Vita, F., Soranzo, M.R., Borelli, V., Roder, J., and Zabucchi, G. Identification and subcellular localization of neuronal calcium sensor-1 (NCS-1) in human neutrophils and HL-60 cells. *Inflammation* 27(6):361-372, 2003.
- Jinno, S., Jeromin, A., and Kosaka, T. Expression and possible role of neuronal calcium sensor-1 in the cerebellum. *Cerebellum* 3(2):83-88, 2004.
- Kabbani, N., Jeromin, A., and Levenson, R. Dynamin-2 associates with the dopamine receptor signalplex and regulates internalization of activated D2 receptors. *Cell Signal.* 16(4):497-503, 2004.
- Muralidhar, D., Kunjachen Jobby, M., Jeromin, A., Roder, J., Thomas, F., and Sharma, Y. Calcium and chlorpromazine binding to the EF-hand peptides of neuronal calcium sensor-1. *Peptides* 25(6):909-917, 2004.
- Schutz, G.J., Axmann, M., Freudenthaler, S., Schindler, H., Kandror, K., Roder, J.C., and Jeromin, A. Visualization of vesicle transport along and between distinct pathways in neurites of living cells. *Microsc. Res. Tech.* 63(3):159-167, 2004.
- Jeromin A, Muralidhar D, Parameswaran MN, Roder J, Fairwell T, Scarlata S, Dowal L, Mustafi SM, Chary KV, Sharma Y N-terminal myristoylation regulates calcium-induced conformational changes in neuronal calcium sensor-1. *J. Biol. Chem.* 279 : 27158-164, 2004.
- Treloar HB, Uboha U, Jeromin A, Greer CA. Expression of the neuronal calcium sensor protein NCS-1 in the developing mouse olfactory pathway. *J. Comp. Neurol.* 482(2): 201-16, 2005.
- Zheng Q, Bobich JA, Vidugiriene J, McFadden SC, Thomas F, Roder J, Jeromin A. Neuronal calcium sensor-1 facilitates neuronal exocytosis through phosphatidylinositol 4-kinase. *J Neurochem.* 92 (3):442-51, 2005.
- Muralidhar D, Jobby MK, Krishnan K, Annapurna V, Chary KV, Jeromin A, Sharma Y. Equilibrium unfolding of neuronal calcium sensor-1: N-terminal myristoylation influences unfolding and reduces protein stiffening in the presence of calcium. *J Biol Chem.* 280(16):15569-78, 2005.
- Jinno S, Jeromin A, Kosaka T. Postsynaptic and extrasynaptic localization of Kv4.2 channels in the mouse hippocampal region, with special reference to targeted clustering at Gabaergic synapses. *Neuroscience* 134(2):483-94, 2005.

Gromada J, Bark C, Smidt K, Efanov AM, Janson J, Mandic SA, Webb DL, Zhang W, Meister B, Jeromin A, Berggren PO. Neuronal calcium sensor-1 potentiates glucose-dependent exocytosis in pancreatic β cells through activation of phosphatidylinositol 4-kinase β . *Proc Natl Acad Sci U S A.* 102(29):10303-8, 2005.

Garcia N, Lanuza MA, Besalduch N, Santafe MM, Jeromin A, Tomas J. Localization of neuronal calcium sensor-1 at the adult and developing rat neuromuscular junction. *J Neurosci Res.* 2005 Aug 8.

Wu KY, Hengst U, Cox LJ, Macosko EZ, Jeromin A, Urquhart ER, Jaffrey SR. Local translation of RhoA regulates growth cone collapse. *Nature* 436 : 1020-24, 2005.

Abdul-Karim MA, Roysam B, Dowell-Mesfin NM, Jeromin A, Yuksel M, Kalyanaraman S Automatic selection of parameters for vessel/neurite segmentation algorithm. *IEEE Trans Image Process.* 2005 Sep;14(9):1338-50.

Nakamura TY, Jeromin A, Smith G, Kurusshima H, Koga H, Nakabeppu Y, Wakabayashi S, Nabekura J Novel role of neuronal calcium sensor-1 as a survival vector up-regulated in injured neurons. *J. Cell Biol.* 172 : 1081-91, 2006.

Schlecker C, Boehmerle W, Jeromin, A, Degray B, Sharma Y, Szigeti-buck K, Ehrlich B Neuronal calcium sensor-1 enhancement of InsP_3 receptor activity is inhibited by therapeutic levels of lithium. *J. Clin. Invest.* 116 : 1668-74, 2006.

Kapp-Barnea Y, Hirschberg K, Jeromin, A, Sagi-Eisenberg, R. Neuronal calcium sensor-1 (NCS-1) stimulates ERK1/2 signaling by accelerating recycling through the endocytic recycling compartment. *Mol. Biol. Cell* 17 :4130-41, 2006.

De Barry J, Jonashazi A. Dupont JL, Proksch O, Jeromin A, Vitale N Functional implication of neuronal calcium sensor-1 (NCS1-) and $\text{PI4K}\beta$ interaction in exocytosis. *Journal Biol. Chem.* 281 : 18098-05, 2006.

Lauver A, Yuan LL, Jeromin A, Nadin B, Rodriguez J, Stewart M, Wu G-Y, Pfaffinger P Manipulating Kv4.2 expression identifies a component of the CA1 pyramidal A-type current, which depends on Kv4.2 expression. *J. of Neurochem.* 99 : 1207-23, 2006.

Taverna E, Saba E, Linetti A, Longhi R, Jeromin A, Clementi F, Rosa P Signaling molecules for $\text{Ca}_v2.1$ calcium channel regulation are recruited in distinct membrane microdomains. *J. of Neurochem.* 100 : 664-77, 2007.

Marcello E, Gardoni F, Mauceri D, Romorini S, Jeromin A, Epis R, Borroni B, Cattabeni F, Sala C, Padovani A. Di Luca M SAP97 scaffolding protein mediates alpha-secretase ADAM10 trafficking and directly promotes its activity both in vitro and in vivo. *J. of Neuroscience* 27: 1682-1691, 2007.

Souza BR, Motta BS, Rosa DV, Torres KC, Castro AA, Comim CM, Sampaio AM, Lima FF, Jeromin A, Quevedo J, Romano-Silva MA DARPP-32 and NCS-1 Expression is not Altered in Brains of Rats Treated with Typical or Atypical Antipsychotics. *Neurochem Res.* 33(3):533-8, 2008.

Bastrikova N, Gardner GA, Reece JM, Jeromin A, Dudek SM Synapse elimination accompanies functional plasticity in hippocampal neurons *Proc Natl Acad Sci U S A.* 105(8):3123-7, 2008.

Trautlein D Adler F Moutzouris K, Jeromin A, Leitenstrofer A, Ferrando-may E Highly versatile confocal microscopy system based on tubanable femtosecond Er:fiber source.

J. Biophoton. 1 : 1-99, 2008

Kredel S, Nienhaus K, Oswald F, Wolff M, Ivanchenko S, Cymer F, Jeromin A, Michel FJ, Spindler KD, Heilker R, Nienhaus GU, Wiedenmann J Optimized and Far-Red-Emitting Variants of Fluorescent Protein eqFP611. Chem Biol. 2008 15(3):224-33, 2008.

[Thompson CL](#), [Pathak SD](#), [Jeromin A](#), [Ng LL](#), [MacPherson CR](#), [Mortrud MT](#), [Cusick A](#), [Riley ZL](#), [Sunkin SM](#), [Bernard A](#), [Puchalski RB](#), [Gage FH](#), [Jones AR](#), [Bajic VB](#), [Hawrylycz MJ](#), [Lein ES](#) Genomic anatomy of the hippocampus. Neuron 60 (60) : 1010-21, 2008.

El-Haou S, Balse E, Neyroud N, Dilanian G, Gavillet B, Abriel H, Coulombe A, Jeromin A, Hatem SN Kv4 Potassium Channels Form a Tripartite Complex With the Anchoring Protein SAP97 and CaMKII in Cardiac Myocytes. Cir. Res. Feb 12th, 2009

Imaizumi C, Iketani M, Jeromin A, Nakamura M, Mikoshiba K, Goshima Y, Takei K Regulation of Neurite Outgrowth Mediated by Neuronal Calcium Sensor-1 in Nerve Growth Cones. Neuroscience in press, 2009.

[Aronica E](#), [Boer K](#), [Doorn KJ](#), [Zurolo E](#), [Spliet WG](#), [van Rijen PC](#), [Baayen JC](#), [Gorter JA](#), [Jeromin A](#) Expression and localization of voltage dependent potassium channel Kv4.2 in epilepsy associated focal lesions. Neurobiol. Dis.,2009.

Mondello, S, Muller, U, Jeromin, A, Streeter, J, Hayes, R, Wang, KKW Blood-based diagnostics of traumatic brain injuries. Expert Reviews 11 (1), 65-78.

Nakamura TY, Jeromin A, Mikoshiba K, Wakabayashi S Neuronal calcium sensor-1 promotes immature heart function and hypertrophy by enhancing Ca²⁺ signals. Circ. Res. July 7th, 2011.

Gross C, Yao Xm Prong DL, Jeromin A, Bassell GJ Fragile-X mental retardation protein regulates protein expression and mRNA translation of the potassium channel Kv4.2. J Neurosci. 31 (15) : 5693-8, 2011.

Ehrenreich H, Kästner A, Weissenborn K, Streeter J, Sperling S, Wang KK, Worthmann H, Hayes RL, Von Ahsen N, Kastrup A, [Jeromin A](#), Herrmann M. Circulating damage marker profiles support a neuroprotective effort of erythropoietin in ischemic stroke patients. Mol. Med. 2011, Sep. 2.

Mondello, S, Palmio J, Streeter J, Hayes RL, Jeromin A Ubiquitin-C-terminal hydrolase L 1 : a novel marker of neuronal damage in patients with epileptic seizures. Epilepsia, 2011.

Massaro AN, Kadorn N, Vezina G, Hayes RL, Wang K, Streeter J, Jeromin A, Johnston MV Serum biomarkers MRI brain injury in neonatal hypoxic ischemic encephalopathy treated with whole body hypothermia – a pilot study. Pediatric Research 2011.

REVIEW ARTICLES

Hedrich, R. and Jeromin, A. A new scheme of symbiosis : ligand- and voltage-gated anion channels in plants and animals. *Phil. Trans. R. Soc. London B* 338:31-38, 1992.

Jeromin A, Rosa P, Sharma Y, Tsujimoto T Neuronal calcium sensor-1 as a mutli-functional regulator of lipids and channels. *Calcium-binding proteins* 1, issue 1, 2006.