



## Selected References LSM 5 EXCITER / PASCAL

### **C3G regulates cortical neuron migration, preplate splitting and radial glial cell attachment**

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**Key words and applications:** Neuronal migration, Cerebral cortex, Radial glia, Reelin, Cell adhesion, Ras signalling pathway, Mouse

**Development, 135, 2139-2149, 2008**

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### **Axon fasciculation and differences in midline kinetics between pioneer and follower axons within commissural fascicles**

*Magdalena Bak and Scott E. Fraser*

**Key words and applications:** Forebrain, Zebrafish, Commissural axon, Neuronal scaffold, Growth cone, Intermediate target, Growth cone morphology, Growth cone behavior, GATA2, Axon pathway

**Development, 130, 4999-5008, 2003**

→ [Abstract in PubMed.org](#)

### **Imaging neural crest cell dynamics during formation of dorsal root ganglia and sympathetic ganglia**

*Jennifer C. Kasemeier-Kulesa, Paul M. Kulesa and Frances Lefcort*

**Key words and applications:**

Chick, Neural crest, DRG, SG, Cell migration, Time-lapse imaging

**Development, 132, 235-245, 2005**

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### **Staufen Recruitment into Stress Granules Does Not Affect Early mRNA Transport in Oligodendrocytes**

*Maria G. Thomas, Leandro J. Martinez Tosar, Mariela Loschi, Juana M. Pasquini, Jorge Correale, Stefan Kindler, Graciela L. Boccaccio*

**Key words and applications:**

Immunocytochemistry, Neuroscience, Oligodendrocytes, Particles, LSM5 PASCAL

**Molecular Biology of the Cell, 16, 405-420, 2005**

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**POLKADOTS Are Foci of Functional Interactions in T-Cell Receptor-mediated Signaling to NF- $\kappa$ B**

*Jeremy S. Rossman, Natalia G. Stoicheva, Felicia D. Langel, George H. Patterson, Jennifer Lippincott-Schwartz, and Brian C. Schaefer*

**Key words and applications:**

FRET, FRET MACRO, Immunobiology, LSM 510, LSM 5 PASCAL, PA-GFP, *Molecular Biology of the Cell*, 17(5):2166-76, 2006

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**Fasciclin II Signals New Synapse Formation through Amyloid Precursor Protein and the Scaffolding Protein dX11/Mint**

*James Ashley, Mary Packard, Bulent Ataman, and Vivian Budnik*

**Key words and applications:**

Fasciclin II; amyloid precursor protein; X11; adhesion; signaling; *Drosophila*; neuromuscular junction, Electrophysiology, Electron microscopy, Alzheimer *The Journal of Neuroscience*, 25(25), 5943-55, 2005

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*Brian D. Ackley, Robert J. Harrington, Martin L. Hudson, Lisa Williams, Cynthia J. Kenyon, Andrew D. Chisholm and Yishi Jin*

**Key words and applications:**

Synaptogenesis; axon guidance; cell adhesion; *syd-2*; LAR receptor tyrosine phosphatase; nidogen, Immunostainings, Neuroscience, *C-elegans*

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**Neuronal Differentiation in the Adult Hippocampus Recapitulates Embryonic Development**

*M. Soledad Esposito, Veronica C. Piatti, Diego A. Laplagne, Nicolas A. Morgenstern, Carina C. Ferrari, Fernando J. Pitossi, and Alejandro F. Schinder*

**Key words and applications:**

Neurogenesis; dentate gyrus; plasticity; synaptogenesis; GABA; glutamate Neuroscience, Electrophysiology

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**Human T-lymphotropic Virus, Type 1, Tax Protein Triggers Microtubule Reorientation in the Virological Synapse**

*Mohamed Nejmeddine, Amanda L. Barnard, Yuetsu Tanaka, Graham P. Taylor and Charles R. M. Bangham*

**Key words and applications:**

Immunobiology, Colocalization, LSM5 Pascal.

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### **Peroxisomal Proliferation Protects from Amyloid Neurodegeneration**

*Manuel J. Santos, Rodrigo A. Quintanilla, Andre´s Toro, Rodrigo Grandy, Margarita C. Dinamarca, Juan A. Godoy, and Nivaldo C. Inestrosa*

#### **Key words and applications:**

Calcium Imaging, Fluo-3, Neuroscience, Peroxysomes

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### **In vivo evidence for short- and long-range cell communication in cranial neural crest cells**

*Jessica M. Teddy and Paul M. Kulesa*

#### **Key words and applications:**

Time lapse imaging, Neuroscience, Developmental Biology, depth coding, 3D rendering, VisArt, chicken embryo

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### **New Synaptic Bouton Formation Is Disrupted by Misregulation of Microtubule Stability in $\alpha$ PKC Mutants**

*Catalina Ruiz-Canada, James Ashley, Stephanie Moeckel-Cole, Eric Drier, Jerry Yin, and Vivian Budnik*

#### **Key words and applications:**

Neuroscience, Synaptic boutons, LSM 5 Pascal, NMJ, Microtubules, PKC, Spectrin, Electrophysiology.

**Neuron, 42, 567–580, 2004**

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*Eric P. Hornstein, Jan Verweij, Peter H. Li, and Julie L. Schnapf*

#### **Key words and applications:**

Gap junction; photoreceptor; retina; primate; macaque; electrical coupling

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### **Over-representation of specific regions of chromosome 22 in cells from human glioma correlate with resistance to 1,3-bis(2-chloroethyl)-1-nitrosourea**

*Nicole C Hank, Joan Rankin Shapiro and Adrienne C Scheck*

#### **Key words and applications:**

Cancer, FISH

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*Sunanda Marella, Walter Fischler, Priscilla Kong, Sam Asgarian, Erroll Rueckert, and Kristin Scott*

**Key words and applications:**

LSM5 PASCAL, Taste, Drosophila, Physiology, Neuroscience

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**Key words and applications:**

Calcium Imaging, Fluo3, Physiology, Cardiology

**Journal of Physiology, 562(3), 745-58, 2005**

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**Uncoupling of Brefeldin A-Mediated Coatomer Protein Complex-I Dissociation from Golgi Redistribution**

*Eran Barzilay, Nathalie Ben-Califa, Koret Hirschberg and Drorit Neumann*

**Key words and applications:**

Brefeldin A, COP-I, Golgi, intracellular trafficking, monensin, Live cell imaging, Time-lapse, Cell biology

**Traffic, 6, 794–802, 2005**

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**Planar cell polarity signalling controls cell division orientation during zebrafish gastrulation**

*Ying Gong, Chunhui Mo & Scott E. Fraser*

**Key words and applications:**

4D Imaging, Time lapse recordings, Zebrafish, Embryology, Developmental Biology

**Nature, 430, 689-93, 2004**

**Transmission of Nephridial Bacteria of the Earthworm *Eisenia fetida***

*Seana K. Davidson and David A. Stahl*

**Key words and applications:**

Microbiology, FISH

**Applied and Environmental Biology, 72(1), 769-775, 2006**

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**Activity-dependent liberation of synaptic neuropeptide vesicles.**

*Dinara Shakiryanova, Arvonn Tully, Randall S Hewes, David L Deitcher & Edwin S Levitan*

**Key words and applications:**

Neuroscience, FRAP

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**Activity-Dependent Redistribution and Essential Role of Cortactin in Dendritic Spine Morphogenesis**

*Heike Hering and Morgan Sheng*

**Key words and applications:**

Actin; hippocampal neuron; NMDA receptor; spine; live imaging; RNA interference, LSM5 PASCAL, Multi Time Series

**The Journal of Neuroscience, 23(37),11759 –11769, 2003**

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