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### Copper-Triggered Aggregation of Ubiquitin

Fabio Arnesano, Simone Scintilla, Vincenza Calò, Elena Bonfrate, Chiara Ingrosso, Maurizio Losacco, Teresa Pellegrino, Enrico Rizzarelli, Giovanni Natile

*that copper, differently from zinc, nickel, aluminum*

**PLoS ONE:** Research Article, published 16 Sep 2009

10.1371/journal.pone.0007052

Views: 1506 Citations: Yes Bookmarks: None

### Cellular and Behavioral Effects of Cranial Irradiation of the Subventricular Zone in Adult Mice

Françoise Lazarini, Marc-André Mouthon, Gilles Gheusi, Fabrice de Chaumont, Jean-Christophe Olivo-Marin, Stéphanie Lamarque, Djoher Nora Abrous, François D Boussin, Pierre-Marie Lledo

*by an aluminum partition (holes 0.5 cm diameter). The lower*

**PLoS ONE:** Research Article, published 15 Sep 2009

10.1371/journal.pone.0007017

Views: 1129 Citations: Yes Bookmarks: Yes

### Synthetic Plasmodium-Like Hemozoin Activates the Immune Response: A Morphology - Function Study

Maritza Jaramillo, Marie-Josée Bellemare, Caroline Martel, Marina Tiemi Shio, Ana Paulina Contreras, Marianne Godbout, Michel Roger, Eric Gaudreault, Jean Gosselin, D Scott Bohle, Martin Olivier

*). The flask was then sealed, wrapped in aluminum foil*

**PLoS ONE:** Research Article, published 09 Sep 2009

10.1371/journal.pone.0006957

Views: 807 Citations: Yes Bookmarks: Yes

### Detection of Cancer with Serum miRNAs on an Oligonucleotide Microarray

Michael J Lodes, Marcelo Caraballo, Dominic Suci, Sandra Munro, Amit Kumar, Brooke Anderson

*with aluminum tape, and incubated at 45°C*

**PLoS ONE:** Research Article, published 14 Jul 2009

10.1371/journal.pone.0006229

Views: 6895 Citations: Yes Bookmarks: Yes

### Myocardial Overexpression of Mecer, a Gene of Mitochondrial FAS II Leads to Cardiac Dysfunction in Mouse

Zhijun Chen, Hanna Leskinen, Erkki Liimatta, Raija T Sormunen, Ilkka J Miinalainen, Ilmo E Hassinen, J Kalervo Hiltunen

*was quick-frozen with aluminum clamps precooled in liquid*

**PLoS ONE:** Research Article, published 18 May 2009

10.1371/journal.pone.0005589

Views: 823 Citations: Yes Bookmarks: None

### Freeze-Drying of Mononuclear Cells Derived from Umbilical Cord Blood Followed by Colony Formation

Dity Natan, Arnon Nagler, Amir Arav

*by putting the samples within an aluminum pouch under*

**PLoS ONE:** Research Article, published 21 Apr 2009

10.1371/journal.pone.0005240

Citations: Yes Bookmarks: None

### Evaluation of Nod-Like Receptor (NLR) Effector Domain Interactions

Roland N Wagner, Martina Proell, Thomas A Kufer, Robert Schwarzenbacher

*EO Samstad H Kono 2008 Silica crystals and aluminum*

**PLoS ONE:** Research Article, published 01 Apr 2009

10.1371/journal.pone.0004931

Views: 1891 Citations: Yes Bookmarks: Yes

### Mystery Solved: The Identification of the Two Missing Romanov Children Using DNA Analysis

Michael D Coble, Odile M Loreille, Mark J Wadhams, Suni M Edson, Kerry Maynard, Carna E Meyer, Harald Niederstätter, Cordula Berger, Burkhard Berger, Anthony B Falsetti, Peter Gill, Walther Parson, Louis N Finelli

*were first extensively sanded with an aluminum oxide*

**PLoS ONE:** Research Article, published 11 Mar 2009

10.1371/journal.pone.0004838

Views: 24621 Citations: Yes Bookmarks: Yes

### In Vivo Imaging and Quantitative Analysis of Leukocyte Directional Migration and Polarization in Inflamed Tissue

Alexander Georg Khandoga, Andrej Khandoga, Christoph Andreas Reichel, Peter Bihari, Markus Rehberg, Fritz Krombach

*, diameter 11.8 mm) which was coated with aluminum vapor*

**PLoS ONE:** Research Article, published 04 Mar 2009

10.1371/journal.pone.0004693

Views: 1750 Citations: Yes Bookmarks: Yes

### Relevance of the Diversity among Members of the Trypanosoma Cruzi Trans-Sialidase Family Analyzed with Camelids Single-Domain Antibodies

Laura Ratier, Mariela Urrutia, Gastón Paris, Laura Zarebski, Alberto C Frasch, Fernando A Goldbaum

*, 35 and 56 with 0.5 mg of recombinant TcTSs, using aluminum*

**PLoS ONE:** Research Article, published 24 Oct 2008

10.1371/journal.pone.0003524

Views: 988 Citations: Yes Bookmarks: None

### Metagenomic Analysis of Lysogeny in Tampa Bay: Implications for Prophage Gene Expression

Lauren McDaniel, Mya Breitbart, Jennifer Mobberley, Amy Long, Matthew Haynes, Forest Rohwer, John H Paul

*. Treatment and control flasks were wrapped in aluminum foil*

**PLoS ONE:** Research Article, published 23 Sep 2008

10.1371/journal.pone.0003263

Views: 1979 Citations: Yes Bookmarks: None

### Protein Isoaspartate Methyltransferase Prevents Apoptosis Induced by Oxidative Stress in Endothelial Cells: Role of Bcl-X<sub>L</sub> Deamidation and Methylation

Amelia Cimmino, Rosanna Capasso, Fabbri Müller, Irene Sambri, Lucia Masella, Marianna Raimo, Maria Luigia De Bonis, Stefania D'Angelo, Vincenzo Zappia, Patrizia Galletti, Diego Ingrosso

*and maintained under subdued light with aluminum foil wrapping*

**PLoS ONE:** Research Article, published 22 Sep 2008

10.1371/journal.pone.0003258

Views: 1253 Citations: Yes Bookmarks: None

### Relative Crystallinity of Plant Biomass: Studies on Assembly, Adaptation and Acclimation

Darby Harris, Seth DeBolt

*by wrapping in aluminum foil. Seedlings were mounted*

**PLoS ONE:** Research Article, published 06 Aug 2008

10.1371/journal.pone.0002897

Views: 1452

Citations: Yes Bookmarks: None

### **The Role of Cardiac Troponin T Quantity and Function in Cardiac Development and Dilated Cardiomyopathy**

Ferhaan Ahmad, Sanjay K Banerjee, Michele L Lage, Xueyin N Huang, Stephen H Smith, Samir Saba, Jennifer Rager, David A Conner, Andrzej M Janczewski, Kimimasa Tobita, Joseph P Tinney, Ivan P Moskowitz, Antonio R Perez-Atayde, Bradley B Keller, Michael A Mathier, Sanjeev G Shroff, Christine E Seidman, J G Seidman

*) at the other end using aluminum T-clips (KEM-MIL-CO*

**PLoS ONE:** Research Article, published 09 Jul 2008

10.1371/journal.pone.0002642

Views: 1476 Citations: Yes Bookmarks: None

### **Phytotoxic Effects of ( $\pm$ )-Catechin *In vitro*, in Soil, and in the Field**

Inderjit, Jarrod L Pollock, Ragan M Callaway, William Holben

*of atmospheric exposure of tris (8-hydroxyquinoline) aluminum*

**PLoS ONE:** Research Article, published 02 Jul 2008

10.1371/journal.pone.0002536

Views: 1317 Citations: Yes Bookmarks: None

### **Structural Dynamic of a Self-Assembling Peptide d-EAK16 Made of Only D-Amino Acids**

Zhongli Luo, Xiaojun Zhao, Shuguang Zhang

*induced by aluminum with silicates. Proc Natl Acad Sci*

**PLoS ONE:** Research Article, published 28 May 2008

10.1371/journal.pone.0002364

Views: 1175 Citations: Yes Bookmarks: None

### **Reducing AD-Like Pathology in 3xTg-AD Mouse Model by DNA Epitope Vaccine — A Novel Immunotherapeutic Strategy**

Nina Movsesyan, Anahit Ghochikyan, Mikayel Mkrtichyan, Irina Petrushina, Hayk Davtyan, Purevdorj B Olkhanud, Elizabeth Head, Arya Biragyn, David H Cribbs, Michael G Agadjanyan

*to swim in a Morris Water Maze (MWM), an aluminum tank*

**PLoS ONE:** Research Article, published 07 May 2008

10.1371/journal.pone.0002124

Views: 1926 Citations: Yes Bookmarks: None

### **Auditory Cortical Contrast Enhancing by Global Winner-Take-All Inhibitory Interactions**

Simone Kurt, Anke Deutscher, John M Crook, Frank W Ohl, Eike Budinger, Christoph K Moeller, Henning Scheich, Holger Schulze

*a 2.5 cm long aluminum bar was fixed to the frontal*

**PLoS ONE:** Research Article, published 05 Mar 2008

10.1371/journal.pone.0001735

Views: 2591 Citations: Yes Bookmarks: None

### **Light Plays an Essential Role in Intracellular Distribution of Auxin Efflux Carrier PIN2 in *Arabidopsis thaliana***

Ashverya Laxmi, Jianwei Pan, Mustafa Morsy, Rujin Chen

*or transferred to dark by wrapping the plates with aluminum*

**PLoS ONE:** Research Article, published 30 Jan 2008

10.1371/journal.pone.0001510

Views: 3143 Citations: Yes Bookmarks: None

### **A Randomised Placebo-Controlled Trial of a Traditional Chinese Herbal Formula in the Treatment of Primary Dysmenorrhoea**

Lan Lan Liang Yeh, Jah-Yao Liu, Kao-Si Lin, Yu-Shen Liu, Jeng-Min Chiou, Kung-Yee Liang, Te-Feng Tsai, Li-Hsiang Wang, Chiung-Tong Chen, Ching-Yi Huang

*were packaged in aluminum packets for easier handling*

**PLoS ONE:** Research Article, published 15 Aug 2007

10.1371/journal.pone.0000719

Citations: Yes Bookmarks: None

### **ATL9, a RING Zinc Finger Protein with E3 Ubiquitin Ligase Activity Implicated in Chitin- and NADPH Oxidase-Mediated Defense Responses**

Marta Berrocal-Lobo, Sophia Stone, Xin Yang, Jay Antico, Judy Callis, Katrina M Ramonell, Shauna Somerville

*vacuum and then covered with aluminum foil for six*

**PLoS ONE:** Research Article, published 23 Dec 2010

10.1371/journal.pone.0014426

Views: 288 Citations: None Bookmarks: None

### **Preclinical and Clinical Development of Plant-Made Virus-Like Particle Vaccine against Avian H5N1 Influenza**

Nathalie Landry, Brian J Ward, Sonia Trépanier, Emanuele Montomoli, Michèle Dargis, Giulia Lapini, Louis-P Vézina

*/H5N1 vaccine given with or without aluminum hydroxide*

**PLoS ONE:** Clinical Trial, published 22 Dec 2010

10.1371/journal.pone.0015559

Views: 164 Citations: None Bookmarks: None

### **RNA Viruses in Hymenopteran Pollinators: Evidence of Inter-Taxa Virus Transmission via Pollen and Potential Impact on Non-*Apis* Hymenopteran Species**

Rajwinder Singh, Abby L Levitt, Edwin G Rajotte, Edward C Holmes, Nancy Ostiguy, Dennis vanEngelsdorp, W Ian Lipkin, Claude W dePamphilis, Amy L Toth, Diana L Cox-Foster

*powder in an aluminum tray; and blooming pollinator*

**PLoS ONE:** Research Article, published 22 Dec 2010

10.1371/journal.pone.0014357

Views: 1270 Citations: None Bookmarks: None

### **A Second-Generation Device for Automated Training and Quantitative Behavior Analyses of Molecularly-Tractable Model Organisms**

Douglas Blackiston, Tal Shomrat, Cindy L Nicolas, Christopher Granata, Michael Levin

*are mounted in an aluminum frame, bolted in place*

**PLoS ONE:** Research Article, published 17 Dec 2010

10.1371/journal.pone.0014370

Views: 400 Citations: None Bookmarks: None

### **Automated High-Content Live Animal Drug Screening Using *C. elegans* Expressing the Aggregation Prone Serpin $\alpha$ 1-antitrypsin Z**

Sager J Gosai, Joon Hyeok Kwak, Cliff J Luke, Olivia S Long, Dale E King, Kevin J Kovatch, Paul A Johnston, Tong Ying Shun, John S Lazo, David H Perlmutter, Gary A Silverman, Stephen C Pak

*transfer head. Aluminum adhesive plate seals were applied*

**PLoS ONE:** Research Article, published 12 Nov 2010

10.1371/journal.pone.0015460

Views: 516 Citations: None Bookmarks: None

### **A Role for Calcium-Permeable AMPA Receptors in Synaptic Plasticity and Learning**

Brian J Wiltgen, Gordon A Royle, Erin E Gray, Andrea Abdipranoto, Nopporn Thangthaeng, Nate Jacobs, Faysal Saab, Susumu Tonegawa, Stephen F Heinemann, Thomas J O'Dell, Michael S Fanselow, Bryce Vissel

*doors, white opaque back walls and aluminum sidewalls*

**PLoS ONE:** Research Article, published 29 Sep 2010

10.1371/journal.pone.0012818

Views: 2244 Citations: None Bookmarks: None

### **A Mouse Strain Where Basal Connective Tissue Growth Factor Gene Expression Can Be Switched from Low to High**

Heather E Doherty, Hyung-Suk Kim, Sylvia Hiller, Kathleen K Sulik, Nobuyo Maeda

*then dried. Specimens were mounted on aluminum stubs*

**PLoS ONE:** Research Article, published 22 Sep 2010

10.1371/journal.pone.0012909

Views: 411 Citations: None Bookmarks: None

### **NPY Neuron-Specific Y2 Receptors Regulate Adipose Tissue and Trabecular Bone but Not Cortical Bone Homeostasis in Mice**

Yan-Chuan Shi, Shu Lin, Iris P L Wong, Paul A Baldock, Aygul Aljanova, Ronaldo F Enriquez, Lesley Castillo, Natalie F Mitchell, Ji-Ming Ye, Lei Zhang, Laurence Macia, Ernie Yulyaningsih, Amy D Nguyen, Sabrina J Riepler, Herbert Herzog, Amanda Sainsbury

*was carried out with a 0.5 mm aluminum filter in place*

**PLoS ONE:** Research Article, published 29 Jun 2010

10.1371/journal.pone.0011361

Views: 596 Citations: None Bookmarks: None

### **Linear and Branched Glyco-Lipopeptide Vaccines Follow Distinct Cross-Presentation Pathways and Generate Different Magnitudes of Antitumor Immunity**

Olivier Renaudet, Gargi Dasgupta, Ilham Bettahi, Alda Shi, Anthony B Nesburn, Pascal Dumy, Lbachir BenMohamed, *the aluminum-based salt (Alum) is currently the only licensed*

**PLoS ONE:** Research Article, published 21 Jun 2010

10.1371/journal.pone.0011216

Views: 463 Citations: Yes Bookmarks: None

### **Release of Membrane-Bound Vesicles and Inhibition of Tumor Cell Adhesion by the Peptide Neopetrosiamide A**

Pamela Austin, Markus Heller, David E Williams, Lawrence P McIntosh, A Wayne Vogl, Leonard J Foster, Raymond J Andersen, Michel Roberge, Calvin D Roskelley

*to aluminum SEM stubs and sputter coated (Cressington HR208*

**PLoS ONE:** Research Article, published 26 May 2010

10.1371/journal.pone.0010836

Views: 939 Citations: None Bookmarks: None

### **Sequencing, Analysis, and Annotation of Expressed Sequence Tags for *Camelus dromedarius***

Abdulaziz M Al-Swailem, Maher M Shehata, Faisal M Abu-Duhier, Essam J Al-Yamani, Khalid A Al-Busadah, Mohammed S Al-Arawi, Ali Y Al-Khider, Abdullah N Al-Muhaimeed, Fahad H Al-Qahtani, Manee M Manee, Badr M Al-Shomrani, Saad M Al-Qhtani, Amer S Al-Harhi, Kadir C Akdemir, Mehmet S Inan, Hasan H Otu

*peroxidation induced by chronic aluminum chloride exposure*

**PLoS ONE:** Research Article, published 19 May 2010

10.1371/journal.pone.0010720

Views: 1673 Citations: None Bookmarks: None

### **High Levels of Miticides and Agrochemicals in North American Apiaries: Implications for Honey Bee Health**

Christopher A Mullin, Maryann Frazier, James L Frazier, Sara Ashcraft, Roger Simonds, Dennis vanEngelsdorp, Jeffery S Pettis

*cm by 10 cm section of brood comb removed and wrapped in aluminum*

**PLoS ONE:** Research Article, published 19 Mar 2010

10.1371/journal.pone.0009754

Views: 13051 Citations: Yes Bookmarks: Yes

### **Anthrax Lethal Toxin Induced Lysosomal Membrane Permeabilization and Cytosolic Cathepsin Release Is Nlrp1b/Nalp1b-Dependent**

Kathleen M Averette, Matthew R Pratt, Yanan Yang, Sara Bassilian, Julian P Whitelegge, Joseph A Loo, Tom W Muir, Kenneth A Bradley

*EO Samstad H Kono 2008 Silica crystals and aluminum*

**PLoS ONE:** Research Article, published 18 Nov 2009

10.1371/journal.pone.0007913

Views: 1570 Citations: Yes Bookmarks: None

### **Visualization and Identification of IL-7 Producing Cells in Reporter Mice**

Renata I Mazzucchelli, Søren Warming, Scott M Lawrence, Masaru Ishii, Mehnoosh Abshari, A Valance Washington, Lionel Feigenbaum, Andrew C Warner, Davis J Sims, Wen Qing Li, Julie A Hixon, Daniel H D Gray, Benjamin E Rich, Matthew Morrow, Miriam R Anver, James Cherry, Dieter Naf, Lawrence R Sternberg, Daniel W McVicar, Andrew G Farr, Ronald N Germain, Keith Rogers, Nancy A Jenkins, Neal G Copeland, Scott K Durum

*with filtered Nuclear Fast Red Stain (0.1% NFR in 5% aluminum*

**PLoS ONE:** Research Article, published 10 Nov 2009

10.1371/journal.pone.0007637

Views: 1865 Citations: Yes Bookmarks: Yes

### **Hemichannel-Mediated and pH-Based Feedback from Horizontal Cells to Cones in the Vertebrate Retina**

Iris Fahrenfort, Marvin Steijaert, Trijntje Sjoerdsma, Evan Vickers, Harris Ripps, Jorrit van Asselt, Duco Endeman, Jan Klooster, Robert Numan, Huub ten Eikelder, Henrique von Gersdorff, Maarten Kamermans

*to the filter were embedded in Tissue Tek in an aluminum foil*

**PLoS ONE:** Research Article, published 30 Jun 2009

10.1371/journal.pone.0006090

Views: 986 Citations: Yes Bookmarks: None

### **NSOM/QD-Based Direct Visualization of CD3-Induced and CD28-Enhanced Nanospatial Coclustering of TCR and Coreceptor in Nanodomains in T Cell Activation**

Liyun Zhong, Gucheng Zeng, Xiaoxu Lu, Richard C Wang, Guangming Gong, Lin Yan, Dan Huang, Zheng W Chen  
*as excitation source. Straight, aluminum-coated probe (Veeco*

**PLoS ONE:** Research Article, published 17 Jun 2009

10.1371/journal.pone.0005945

Views: 1265 Citations: Yes Bookmarks: None

### **PIM2 Induced COX-2 and MMP-9 Expression in Macrophages Requires PI3K and Notch1 Signaling**

Kushagra Bansal, Nisha Kapoor, Yeddula Narayana, Germain Puzo, Martine Gilleron, Kithiganahalli Narayanaswamy Balaji

*. TLC analysis of lipids was performed on aluminum*

**PLoS ONE:** Research Article, published 17 Mar 2009

10.1371/journal.pone.0004911

Views: 1505 Citations: Yes Bookmarks: None

### **The Photosynthetic Apparatus and Its Regulation in the Aerobic Gammaproteobacterium *Congregibacter litoralis* gen. nov., sp. nov**

Stefan Spring, Heinrich Lünsdorf, Bernhard M Fuchs, Brian J Tindall

*with aluminum crimps prior to autoclaving. After autoclaving 0*

**PLoS ONE:** Research Article, published 16 Mar 2009

10.1371/journal.pone.0004866

Views: 1765 Citations: Yes Bookmarks: None

### **Phosphatidylserine Targets Single-Walled Carbon Nanotubes to Professional Phagocytes *In Vitro* and *In Vivo***

Nagarjun V Konduru, Yulia Y Tyurina, Weihong Feng, Liana V Basova, Natalia A Belikova, Hülya Bayir, Katherine Clark, Marc Rubin, Donna Stolz, Helen Vallhov, Annika Scheynius, Erika Witasz, Bengt Fadeel, Padmakar D Kichambare, Alexander Star, Elena R Kisin, Ashley R Murray, Anna A Shvedova, Valerian E Kagan

*, the samples were attached to aluminum SEM specimen mounting*

**PLoS ONE:** Research Article, published 09 Feb 2009

10.1371/journal.pone.0004398

Views: 1676 Citations: Yes Bookmarks: None

### **Mechanisms of Hybrid Oligomer Formation in the Pathogenesis of Combined Alzheimer's and Parkinson's Diseases**

Igor F Tsigelny, Leslie Crews, Paula Desplats, Gideon M Shaked, Yuriy Sharikov, Hideya Mizuno, Brian Spencer, Edward Rockenstein, Margarita Trejo, Oleksandr Platoshyn, Jason X-J Yuan, Eliezer Masliah

*membranes: blockade by tromethamine and aluminum. Proc*

**PLoS ONE:** Research Article, published 04 Sep 2008

10.1371/journal.pone.0003135

Views: 2626 Citations: Yes Bookmarks: Yes

## Maternal Cocaine Administration in Mice Alters DNA Methylation and Gene Expression in Hippocampal Neurons of Neonatal and Prepubertal Offspring

Svetlana I Novikova, Fang He, Jie Bai, Nicholas J Cutrufello, Michael S Lidow, Ashiwel S Undieh

*and immediately transferred to a sheet of aluminum foil placed*

**PLoS ONE**: Research Article, published 02 Apr 2008

10.1371/journal.pone.0001919

Views: 2433 Citations: Yes Bookmarks: None

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