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- **In vivo Reconstitution of Algal Triacylglycerol Production in *Saccharomyces cerevisiae***, Chun-Hsien Hung¹, Kazue Kanehara¹ and Yuki Nakamura^{1, 2*}, 1 Institute of Plant and Microbial Biology, Academia Sinica, Taipei, Taiwan, 2 Precursory Research for Embryonic Science and Technology (PRESTO), Japan Science and Technology Agency, Saitama, Japan, *Correspondence: Yuki Nakamura <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4753380/>
- **Clustering and cellular distribution characteristics of virus particles of Tomato spotted wilt virus and Tomato zonate spot virus in different plant hosts**, Zhongkai Zhang^{1,2}, Kuanyu Zheng², Jiahong Dong², Qi Fang², Jian Hong³ and Xifeng Wang^{1*}, * Correspondence: xfwang@ippcaas.cn, 1 State Key Laboratory for Biology of Plant Diseases and Insect Pests, Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing 100193, P.R. China, 2 Key Lab of Southwestern Crop Gene Resources and Germplasm Innovation, Ministry of Agriculture, Yunnan Provincial Key Laboratory of

Agricultural Biotechnology, Biotechnology and Germplasm Resources Institute, Yunnan Academy of Agricultural Sciences, Kunming 650223 Yunnan, P.R. China. 3 Center of Analysis and Measurement, Zhejiang University, Hangzhou 310058, P.R. China. <http://virologyj.biomedcentral.com/articles/10.1186/s12985-016-0466-x>

- Cell Wall N-linked Mannoprotein Biosynthesis Requires Goa1p, a Putative Regulator of Mitochondrial Complex I in *Candida albicans***, Xiaodong She^{1,2}, Richard Calderone^{1*}, Michael Kruppa³, Douglas Lowman³, David Williams³, Lili Zhang², Ying Gao², Kasra Khamooshi¹, Weida Liu², Dongmei Li¹, 1 Georgetown University Medical Center, Department of Microbiology & Immunology, Washington, DC, 20057, United States of America, 2 Institute of Dermatology, Chinese Academy of Medical Sciences (CAMS), Jiangsu Key laboratory of Molecular Biology for Skin Disease and STIs, Nanjing, 210029, China, 3 Department of Surgery, Department of Biomedical Sciences and Center of Excellence in Inflammation, Infectious Diseases, and Immunity, East Tennessee State University, Johnson City, Tennessee, 37614, United States of America, <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0147175>
- Nanoscale changes in chromatin organization represent the initial steps of tumorigenesis: a transmission electron microscopy study**, Lusik Cherkezyan¹⁺, Yolanda Stypula-Cyrus¹⁺, Hariharan Subramanian¹, Craig White¹, Mart Dela Cruz², Ramesh K Wali², Michael J Goldberg³, Laura K Bianchi³, Hemant K Roy² and Vadim Backman^{1*}, BMC Cancer, Cell and molecular biology, Volume 14, 2014, * Corresponding author: Vadim Backman, + Equal contributors, ¹ Department of Biomedical Engineering, Northwestern University, Evanston, Illinois 60208, USA, ² Department of Medicine, Boston Medical Center, Boston, Massachusetts 02118, USA, ³ Department of Internal Medicine, NorthShore University HealthSystem, Evanston, Illinois 60201, USA <http://www.biomedcentral.com/1471-2407/14/189/>
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Taiwan, ^b Engineering and System Science, National Tsing Hua University, Hsinchu 300, Taiwan, ^c Institute of Optoelectronic Sciences, National Taiwan Ocean University, Keelung 202, Taiwan, ^d Advanced Optoelectronic Technology Center, National Cheng Kung University, Tainan 701, Taiwan, ^e National Synchrotron Radiation Research Center, Hsinchu 300, Taiwan, ^f Electrophysics Department, National Chiao Tung University, Hsinchu 300, Taiwan, ^g NSLS-II, Brookhaven National Laboratory, Upton, NY 11973-5000, USA, ^h Mackay Memorial Hospital, Taipei 104, Taiwan, ⁱ Center for Nanomedicine, National Health Research Institutes, Miaoli 350, Taiwan, ^j Shanghai Institute of Applied Physics, Chinese Academy of Sciences, Shanghai 201800, China, ^k X-ray Imaging Center, Pohang University of Science and Technology, Pohang 790-784, Republic of Korea, ^l Ecole Polytechnique Fédérale de Lausanne (EPFL), CH-1015 Lausanne, Switzerland

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- **The transmembrane protein Macroglobulin complement-related is essential for septate junction formation and epithelial barrier function in *Drosophila***, Tilmann Bätz⁺⁺, Dominique Förster^{*,++} and Stefan Luschnig[§] Institute of Molecular Life Sciences and PhD Program in Molecular Life Sciences, University of Zurich, Winterthurerstrasse 190, CH-8057 Zurich, Switzerland, Development, 141, received August 5, 2013, accepted December 8, 2013, ^{*}Present address: Max Planck Institute of Neurobiology, Am Klopferspitz 18, D-82152 Martinsried, Germany, ⁺⁺These authors contributed equally to this work, [§]Author for correspondence
<http://dev.biologists.org/content/141/4/899.short>
- **Correlative Light- and Electron Microscopy with chemical tags**, Mario Perkovic ^a, Michael Kunz ^a, Ulrike Endesfelder ^b, Stefanie Bunse ^c, Christoph Wigge ^a, Thou Yu ^a, Victor-Valentin Hodirna ^a, Margot P. Scheffer ^a, Anja Sybert ^a, Sebastian Malkusch ^b, Erin M. Schuman ^c, Mike Heilemann ^b, Achilleas S. Frangakis ^{a,*}, Journal of Structural Biology, Volume 186, Issue 2, May 2014, ^aGoethe University Frankfurt, Buchmann Institute for Molecular Life Sciences and Institute for Biophysics, Max-von-Laue Str. 15, 60438 Frankfurt am Main, Germany, ^bGoethe University Frankfurt, Institute for Physical and Theoretical Chemistry, Max-von-Laue Str. 13, 60438 Frankfurt am Main, Germany, ^cMax-Planck-Institute for Brain Research, Max-von-Laue Str. 4, 60438 Frankfurt am Main, Germany <http://www.sciencedirect.com/science/article/pii/S1047847714000719>
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- **Immunohistochemical localization of caffeine in young *Camellia sinensis* (L.) O. Kuntze (tea) leaves**, Shane V. van Breda^{1,2}, Chris F. van der Merwe³, Hannes Robbertse⁴, Zeno Apostolides², ²Department of Biochemistry, ³Laboratory for Microscopy and Microanalysis, ⁴Department of Plant Production and Soil Science, University of Pretoria, Lynnwood Road, Hatfield, Pretoria, 0002, Gauteng, South Africa. Springer Link, Planta, March 2013, Volume 237, Issue 3, pp 849-858 <http://link.springer.com/article/10.1007/s00425-012-1804-x#>
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