

**1. Skipping of an alternative intron in the srsf1 3' untranslated region increases transcript stability.**

Med. Invest. 58:180-187, 2011

Yoko Akaike<sup>1)2)</sup>, Ken Kurokawa<sup>1)2)</sup>, Keisuke Kajita<sup>1)2)</sup>, Yuki Kuwano<sup>1)</sup>, Kiyoshi Masuda<sup>1)</sup>, Kensei Nishida<sup>1)</sup>, Seung Wan Kang<sup>3)</sup>, Toshihito Tanahashi<sup>1)</sup>, and Kazuhito Rokutan<sup>1)</sup>J.

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**2. Retinoic acid receptor antagonist LE540 attenuates wakefulness via the dopamine D1 receptor in mice.**

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Brain Research. 14:10-16. 2011

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**3. Iron reduction by deferoxamine leads to amelioration of adiposity via the regulation of oxidative stress and inflammation in obese and type 2 diabetes**

KKAy mice American Journal of Physiology - Endocrinology and Metabolism. 1;302:E77-86. 2012.

Soichiro Tajima Ph.D <sup>1,2\*</sup>, Yasumasa Ikeda M.D, Ph.D <sup>1\*</sup>, Kaori Sawada <sup>1,3</sup>, Noriko Yamano Ph.D <sup>1</sup>, Yuya Horinouchi Ph.D <sup>1,2</sup>, Yoshitaka Kihira Ph.D <sup>1</sup>, Keisuke Ishizawa Ph.D <sup>4</sup>, Yuki Izawa-Ishizawa M.D, Ph.D <sup>1</sup>, Kazuyoshi Kawazoe Ph.D <sup>2</sup>, Shuhei Tomita M.D, Ph.D <sup>1</sup>, Kazuo Minakuchi Ph.D <sup>2</sup>, Koichiro Tsuchiya Ph.D <sup>4</sup>, Toshiaki Tamaki M.D, Ph.D <sup>1</sup>

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**4. Chronic exposure to an extremely low-frequency magnetic field induces depression-like behavior and corticosterone secretion without enhancement of the hypothalamic-pituitary-adrenal axis in mice.**

Bioelectromagnetics 2013 Jan;34(1):43-51.

Kitaoka K <sup>1</sup>, Kitamura M <sup>1</sup>, Aoi S <sup>1,2</sup>, Shimizu N <sup>3</sup>, Yoshizaki K <sup>1</sup>.

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#### 5. Rab13 small G protein and Junctional Rab13-binding protein (JRAB) orchestrate actin cytoskeletal organization during epithelial junctional development

J. Biol. Chem. 2012 Dec 14;287(51):42455-68.

Ayuko Sakane‡, Ahmed Alamir Mahmoud Abdallah‡, [Kiyoshi Nakano‡§](#), Kazufumi Honda¶, Wataru Ikedall, Yumiko Nishikawa\$, Mitsuru Matsumoto\$, Natsuki Matsushita‡‡, Toshio Kitamura\*\*, and Takuya Sasaki‡

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#### 6. Immunoreactivity for GABA, GAD65, GAD67 and Bestrophin-1 in the meninges and the choroid plexus: implications for non-neuronal sources for GABA in the developing mouse brain.

PLoS ONE, 8(2): e56901, 2013.

Tochitani S.<sup>1</sup> and [Kondo S.](#)<sup>1,2</sup>

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#### 7. Prions disturb post-Golgi trafficking of membrane proteins

Nature Communications 2013;4:1846.

Keiji Uchiyama<sup>1</sup>, Naomi Muramatsu<sup>1</sup>, Masashi Yano<sup>1</sup>, [Takeshi Usui](#)<sup>1,2</sup>,

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#### 8. Maternal Dietary Restriction Alters Offspring's Sleep Homeostasis

PLoS One. 2013 May 31;8(5):e64263

Noriyuki Shimizu<sup>1</sup>, Sachiko Chikahisa<sup>1</sup>, Yuina [Nishi](#)<sup>1,2</sup>, [Saki Harada](#)<sup>1,2</sup>, Yohei Iwaki<sup>1</sup>, Hiroaki Fujihara<sup>1</sup>, Kazuyoshi Kitaoka<sup>1</sup>, Tetsuya Shiuchi<sup>1</sup>, Hiroyoshi Sei<sup>1</sup>

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#### 9. HER2 amplification detected in the circulating DNA of patients with gastric cancer: a retrospective pilot study.

Gastric Cancer. 2014 Oct 17.

Shoda K<sup>1, 2</sup>, Masuda K<sup>2</sup>, Ichikawa D<sup>1</sup>, Arita T<sup>1</sup>, [Miyakami Y](#)<sup>3</sup>, [Watanabe M](#)<sup>3</sup>, Konishi H<sup>1</sup>, Imoto I<sup>2</sup>, Otsuji E<sup>1</sup>.

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**10. Dietary iron restriction inhibits progression of diabetic nephropathy in db/db mice.**

Am J Physiol Renal Physiol. 304: F1028–F1036, 2013.

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**11. Iron chelation by deferoxamine prevents renal interstitial fibrosis in mice with unilateral ureteral obstruction.**

PLoS ONE. 9:e89355. (2014).

Yasumasa Ikeda<sup>1</sup>, [Iori Ozono<sup>1, 2</sup>](#), Soichiro Tajima<sup>1</sup>, Mizuki Imao<sup>3</sup>, Yuya Horinouchi<sup>1</sup>, Yuki Izawa-Ishizawa<sup>1</sup>, Yoshitaka Kihira<sup>1</sup>, Rihito Miyamoto<sup>3</sup>, Keisuke Ishizawa<sup>3</sup>, Koichiro Tsuchiya<sup>3</sup> and Toshiaki Tamaki<sup>1</sup>

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**12. Deletion of hypoxia-inducible factor-1 $\alpha$  in adipocytes enhances glucagon-like peptide-1 secretion and reduces adipose tissue inflammation.**

PLoS ONE. 9:e93856. (2014).

Yoshitaka Kihira<sup>1</sup>, Mariko Miyake<sup>2</sup>, [Manami Hirata<sup>1, 3</sup>](#), [Yoji Hoshina<sup>1, 3</sup>](#), Kana Kato<sup>4</sup>, Hitoshi Shirakawa<sup>4</sup>, Hiroshi Sakaue<sup>5</sup>, Noriko Yamano<sup>1</sup>, Yuki Izawa-Ishizawa<sup>1</sup>, Keisuke Ishizawa<sup>2</sup>, Yasumasa Ikeda<sup>1</sup>, Koichiro Tsuchiya<sup>2</sup>, Toshiaki Tamaki<sup>1</sup> and Shuhei Tomita<sup>6</sup>

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**13. Angiotensin II alters the expression of duodenal iron transporters, hepatic hepcidin, and body iron distribution in mice.**

Eur J Nutr. 54:709-719.(2015)

Soichiro Tajima<sup>1, 2</sup>, Yasumasa Ikeda<sup>1</sup>, Hideaki Enomoto<sup>1, 3</sup>, Mizuki Imao<sup>4</sup>, Yuya Horinouchi<sup>1</sup>, Yuki Izawa-Ishizawa<sup>1</sup>, Yoshitaka Kihira<sup>1</sup>, Rihito Miyamoto<sup>4</sup>, Keisuke Ishizawa<sup>4</sup>, Koichiro Tsuchiya<sup>4</sup> and Toshiaki Tamaki<sup>1</sup>

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**14. Identification of Polyethylene Glycol-Resistant Macrophages on Stealth Imaging in Vitro Using Fluorescent Organosilica Nanoparticles**

ACS nano. 2015 Jan 28.

Michihiro Nakamura\*†, Koichiro Hayashi†, Mutsuki Nakano†‡, Takafumi Kanadani†‡, Kazue Miyamoto†‡, Toshinari Kori⊥, Kazuki Horikawa§

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**15. A FRMD7 variant in a Japanese family causes congenital nystagmus.**

Hum Genome Variation 2015;2:15002\_1-4 doi:10.1038/hgv.2015.2

Kohmoto T<sup>1)</sup>, Okamoto N, Satomura S, Naruto T, Komori T, Hashimoto T, Imoto I\*<sup>2)</sup>

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**16. A novel PTCH1 mutation in a patient with Gorlin syndrome.**

Hum Genome Variation 2014;1 : 14022\_1-3 doi:10.1038/hgv.2014.22

Okamoto N, Naruto T, Kohmoto T<sup>1)</sup>, Komori T, Imoto I\*<sup>2)</sup>

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**17. Endothelial Nitric Oxide Synthase-Independent Pleiotropic Effects of Pitavastatin Against Atherogenesis and Limb Ischemia in Mice.**

J Atheroscler Thromb. 2017 Jun 6. doi: 10.5551/jat.37747. [Epub ahead of print]

Mitsuhashi T<sup>1)</sup>, Uemoto R<sup>2)</sup>, Ishikawa K<sup>3)</sup>, Yoshida S<sup>4)</sup>, Ikeda Y<sup>5)</sup>, Yagi S<sup>6)</sup>, Matsumoto T<sup>7)</sup>, Akaike M<sup>3)</sup>, Aihara KI.<sup>2)</sup>

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**18. Essential role of CCL21 in establishment of central selftolerance in T cells.**

J Exp Med. 2017 Jun 13. pii: jem.20161864. doi: 10.1084/jem.20161864. [Epub ahead of print]

Mina Kozai,<sup>1</sup> Yuki Kubo,<sup>1,2</sup> Tomoya Katakai,<sup>4</sup> Hiroyuki Kondo,<sup>1</sup> Hiroshi Kiyonari,<sup>5</sup> Karin Schaeuble,<sup>6</sup> Sanjiv A. Luther,<sup>6</sup> Naozumi Ishimaru,<sup>3</sup> Izumi Ohigashi,<sup>1</sup> and Yousuke Takahama<sup>1</sup>

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### 19. Iron suppresses erythropoietin expression via oxidative stress-dependent hypoxia-inducible factor-2 alpha inactivation..

Lab Invest. 2017 May;97(5):555-566. doi: 10.1038/labinvest.2017.11.

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### 20. Prions Amplify through Degradation of the VPS10P Sorting Receptor Sortilin.

PLOS Pathogen, 2017

Keiji Uchiyama<sup>1,\*</sup>, Mitsuru Tomita<sup>1,2</sup>, Masashi Yano<sup>1</sup>, Junji Chida<sup>1</sup>, Hideyuki Hara<sup>1</sup>, Nandita Rani Das<sup>1</sup>, Anders Nykjaer<sup>3</sup> & Suehiro Sakaguchi<sup>1,\*</sup>

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### 21. Prion Protein Devoid of the Octapeptide Repeat Region Delays BSE Pathogenesis in Mice.

Journal of Virology, 2017(in press)

Hideyuki Hara,<sup>a,\*</sup> Hironori Miyata,<sup>b,\*</sup> Nandita Rani Das,<sup>a,\*</sup> Junji Chida,<sup>a</sup> Tatenobu Yoshimochi,<sup>a,c</sup> Keiji Uchiyama,<sup>a</sup> Hitomi Watanabe,<sup>d</sup> Gen Kondoh,<sup>d</sup> Takashi Yokoyama,<sup>e</sup> Suehiro Sakaguchi<sup>a#</sup>

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