

Bibliography



Micro SMP-300

Hirotsuda Tajiri, Takehito Uruno, Takahiro Shirai, Daisuke Takaya, Shigeki Matsunaga, Daiki Setoyama, Mayuki Watanabe, Mutsuko Kukimoto-Niino, Kounosuke Oisaki, Miho Ushijima, Fumiyuki Sanematsu, Teruki Honma, Takaho Terada, Eiji Oki, Senji Shirasawa, Yoshihiko Maehara, Dongchon Kang, Jean-François Côté, Shigeyuki Yokoyama, Motomu Kanai, and Yoshinori Fukui

Targeting Ras-Driven Cancer Cell Survival and Invasion through Selective Inhibition of DOCK1

Cell Reports 19, 969–980, May 2, 2017

<http://dx.doi.org/10.1016/j.celrep.2017.04.016>

Yasuhiro Ogawa, Yoko Irukayama-Tomobe, Nobuyuki Murakoshi, Maiko Kiyama, Yui Ishikawa, Naoto Hosokawa, Hiromu Tominaga, Shuntaro Uchida, Saki Kimura, Mika Kanuka, Miho Morita, Michito Hamada, Satoru Takahashi, Yu Hayashi, Masashi Yanagisawa

Peripherally administered orexin improves survival of mice with endotoxin shock

eLife 2016;5:e21055. DOI: 10.7554/eLife.21055 Published December 30, 2016

<https://elifesciences.org/content/5/e21055>

Tsuyoshi Inoue, Chikara Abe, Sun-sang J. Sung, Stefan Moscalu,1 Jakub Jankowski, Liping Huang, Hong Ye, Diane L. Rosin, Patrice G. Guyenet, and Mark D. Okusa

Vagus nerve stimulation mediates protection from kidney ischemia-reperfusion injury through $\alpha 7nAChR^+$ splenocytes

J Clin Invest. doi:10.1172/JCI83658 Published April 18, 2016

<http://www.jci.org/articles/view/83658>

R. Sabharwal, L. Yang.

Angiotensin-(1-7) Delays Onset of Dilated Cardiomyopathy in Mice with Muscular Dystrophy.

Poster B321 754.7, Experimental Biology (EB2016), San Diego, United States, April 2nd to 6th, 2016

Rohit Chavan, Céline Feillet, Sara S. Fonseca Costa, James E. Delorme, Takashi Okabe, Jürgen A. Ripperger & Urs Albrecht

Liver-derived ketone bodies are necessary for food anticipation

Nature Communications 7, Article number: 10580 doi:10.1038/ncomms10580

Published 03 February 2016

<http://www.nature.com/ncomms/2016/160203/ncomms10580/full/ncomms10580.html>

Micro SMP-200

C. Laloux, F. Gouel, C. Lachaud, K. Timmerman, B. Do Van, A. Jonneaux, M. Petruault, G. Garçon, N. Rouaix, C. Moreau, R. Bordet, J.A. Duce, J.C. Devedjian, D. Devos

Continuous cerebroventricular administration of dopamine: A new treatment for severe dyskinesia in Parkinson's disease?

Neurobiology of Disease <http://dx.doi.org/10.1016/j.nbd.2017.03.013>

Robert Andersson, Tobias Kroon, Joachim Almquist, Mats Jirstrand, Nicholas D. Oakes, Neil D. Evans, Michael J. Chappel, Johan Gabrielsson

Modeling of free fatty acid dynamics: insulin and nicotinic acid resistance under acute and chronic treatments

J Pharmacokinetic Pharmacodyn DOI 10.1007/s10928-017-9512-6 Accepted: 7 February 2017

<https://link.springer.com/article/10.1007/s10928-017-9512-6>

Masayuki Nakano, Yasuhisa Tamura, Masanori Yamatox, Satoshi Kume, Asami Eguchi, Kumi Takata, Yasuyoshi Watanabe & Yosky Kataoka

NG2 glial cells regulate neuroimmunological responses to maintain neuronal function and survival

Scientific Reports | 7:42041 | DOI: 10.1038/srep42041 Published: 14 February 2017

<http://www.nature.com/articles/srep42041>

Kroon T, Baccega T2, Olsén A, Gabrielsson J, Oakes ND.

Nicotinic acid timed to feeding reverses tissue lipid accumulation and improves glucose control in obese Zucker rats[S].

J Lipid Res. 2017 Jan;58(1):31-41. doi: 10.1194/jlr.M068395. Epub 2016 Nov 15.

<https://www.ncbi.nlm.nih.gov/pubmed/27875257>

Hasan M. Zahid, MohammedZubaerul Ferdaus, HirokiOhara, Minoru Isomura & Toru Nabika

Effect of p22phox depletion on sympathetic regulation of blood pressure in SHRSP: evaluation in a new congenic strain

Scientific Reports | 6:36739 | DOI: 10.1038/srep36739 Published: 08 November 2016

<http://www.nature.com/articles/srep36739>

Rongwei Li, Kang Ma, Hengli Zhao, Zhou Feng, Yang Yang, Hongfei Ge, Xuan Zhang, Jun Tang, Yi Yin, Xin Liu, Liang Tan & Hua Feng

Cattle encephalon glycoside and ignotin reduced white matter injury and prevented post-hemorrhagic hydrocephalus in a rat model of intracerebral hemorrhage

Scientific Reports | 6:35923 | DOI: 10.1038/srep35923, 26 October 2016

<http://www.nature.com/articles/srep35923>

Helge Thisgaard, Bo Halle, Charlotte Aaberg-Jessen, Birgitte Brinkmann Olsen, Anne Sofie Nautrup Therkelsen, Johan Hygum Dam, Niels Langkjær, Sune Munthe, Kjell Någren, Poul Flemming Høilund-Carlsen, Bjarne Winther Kristensen

Highly Effective Auger-Electron Therapy in an Orthotopic Glioblastoma Xenograft Model using Convection-Enhanced Delivery

Theranostics 2016, Vol. 6, Issue 12 2016; 6(12): 2278-2291. doi: 10.7150/thno.15898

<http://www.thno.org/v06p2278.pdf>

Theodore A. Slotkin, Ashley Stadler, Samantha Skavicus, Jennifer Card, Jonathan Ruff, Edward D. Levin and Frederic J. Seidler

Is There a Critical Period for the Developmental Neurotoxicity of Low-Level Tobacco Smoke Exposure?

Toxicological Sciences 10.1093/toxsci/kfw180 Accepted September 6, 2016.

<http://toxsci.oxfordjournals.org/content/early/2016/09/13/toxsci.kfw180.abstract>

Tomonori Nakamura, Ikuhiro Okamoto, Kotaro Sasaki, Yukihiro Yabuta, Chizuru Iwatani, Hideaki Tsuchiya, Yasunari Seita, Shinichiro Nakamura, Takuya Yamamoto & Mitinori Saitou

A developmental coordinate of pluripotency among mice, monkeys and humans

Nature 537, 57–62 (01 September 2016) doi:10.1038/nature19096

Received 02 November 2015 Accepted 12 July 2016 Published online 24 August 2016

<http://www.nature.com/nature/journal/v537/n7618/full/nature19096.html>

A. Maleah Holland, Michael D. Roberts, Petey W. Mumford, Christopher Brooks Mobley, Wesley C. Kephart, Christine F. Conover, Luke A. Beggs, Alexander Balaez, Dana M. Otzel, Joshua F. Yarrow, Stephen E. Borst, Darren T. Beck

Testosterone inhibits expression of lipogenic genes in visceral fat by an estrogen-dependent mechanism

Journal of Applied Physiology Published 18 August 2016 Vol. no. ,

DOI: 10.1152/jappphysiol.00238.2016

<http://jap.physiology.org/content/early/2016/08/16/jappphysiol.00238.2016.abstract>

Vivi Flou Hjorth Jensen, Anne-Marie Mølck, Martin Mårtensson, Mette Aagaard Strid, Melissa Chapman, Jens Lykkesfeldt, Ingrid Brück Bøgh

Assessment of implantable infusion pumps for continuous infusion of human insulin in rats: potential for group housing

Lab Anim. 2016 Jul 27. pii: 0023677216660740. doi:10.1177/0023677216660740

<http://lan.sagepub.com/content/early/2016/07/27/0023677216660740.abstract>

Keisuke Shinohara, Toshimichi Hata

Memory forgetting and NMDA receptor: Post-acquisition chronic microinfusion of NVP-AAM077 into dorsal hippocampus subsequently impairs the performance at reversal learning task in Morris water maze in rats

The 39th Annual Meeting of the Japan Neuroscience Society, Oral Session Learning and Cognition: Hippocampus [O2-H-2-2] July 21, 2016

http://www.jnss.org/abstract/neuro2016/meeting_planner/sessiondetail.php?st_id=2016000289&u=1469585803&yz=0

Tobias Kroon

Optimizing Nicotinic Acid Delivery for Durable Antilipolysis and Improved Metabolic Control

Diss. (sammanfattning/summary) Uppsala : Sveriges lantbruksuniv., Acta Universitatis agriculturae Sueciae, 1652-6880 ; 2016:31 ISBN 978-91-576-8564-3 eISBN 978-91-576-8565-0

<http://pub.epsilon.slu.se/13324/>

R. Croft Thomas, Jr., Patrick M. Cowley, Abhishek Singh, Bat-Erdene Myagmar, Philip M. Swigart, Anthony J. Baker, Paul C. Simpson

The Alpha-1A Adrenergic Receptor in the Rabbit Heart

PLOS ONE | DOI:10.1371/journal.pone.0155238 June 3, 2016

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0155238>

Toshiyuki Hamada, Kenneth Sutherland, Masayori Ishikawa, Naoki Miyamoto, Sato Honma, Hiroki Shirato & Ken-ichi Honma

In vivo imaging of clock gene expression in multiple tissues of freely moving mice

NATURE COMMUNICATIONS | 7:11705 | DOI: 10.1038/ncomms11705

<http://www.nature.com/ncomms/2016/160610/ncomms11705/abs/ncomms11705.html>

Joshua S. Speed & Kelly A. Hyndman

In vivo organ specific drug delivery with implantable peristaltic pumps

Scientific Reports 6, Article number: 26251 (2016) doi:10.1038/srep26251

<http://www.nature.com/articles/srep26251>

Yasunari Seita, Tomoyuki Tsukiyama, Chizuru Iwatani, Hideaki Tsuchiya, Jun Matsushita, Takuya Azami, Junko Okahara, Shinichiro Nakamura, Yoshitaka Hayashi, Seiji Hitoshi, Yasushi Itoh, Takeshi Imamura, Masaki Nishimura, Ikuo Tooyama, Hiroyuki Miyoshi, Mitinori Saitou, Kazumasa Ogasawara, Erika Sasaki & Masatsugu Ema

Generation of transgenic cynomolgus monkeys that express green fluorescent protein throughout the whole body

Scientific Reports | 6:24868 | DOI: 10.1038/srep24868

<http://www.nature.com/articles/srep24868>

Mitchell D., Read, K., Chapman M. and Patten

Intrathecal administration using the iPRECIO® implanted pump

Development in Life Sciences, Vol 14, No. 4

http://cdn2.hubspot.net/hubfs/212573/docs/Envigo/Envigo_Pharma_Dils_14.4.4.pdf?t=1460116975327

Laura Gey, Manuela Gernert, Wolfgang Löscher

Continuous bilateral infusion of vigabatrin into the subthalamic nucleus : Effects on seizure threshold and GABA metabolism in two rat models

Neurobiology of Disease Volume 91, July 2016, Pages 194–208 doi:10.1016/j.nbd.2016.03.012

<http://www.sciencedirect.com/science/article/pii/S0969996116300560>

C. Bory, P. Lege, E. Chalencon, J.-P. Briffaux, and S. Milano. WIL Research Europe, Lyon, France.
Pilot Study Investigating the Pressor Activity of Vasopressin Infused by the Subcutaneously Implanted SMP-200 Microinfusion Pump in the Telemetered Rat.

Poster P446, Society of Toxicology 55th Annual Meeting, New Orleans, United States, March 13th to 17th 2016.

<http://www.criver.com/files/pdfs/nonsource/74198-wil-sot-2016-baudet-1-fin.aspx>

E. Chalencon, C. Bory, J.-P. Briffaux, and S. Milano. WIL Research Europe, Lyon, France.

Hemodynamic Effects of Amlodipine Intravenously Infused for 6 Weeks by Implantable SMP-200 Microinfusion Pump in the Spontaneously Hypertensive (SH) Telemetered Rat.

Poster P448, Society of Toxicology 55th Annual Meeting, New Orleans, United States, March 13th to 17th 2016.

<http://www.criver.com/files/pdfs/nonsource/74256-wil-sot-2016-baudet-2-fin.aspx>

Donna Tan, Ajai Vyas

Toxoplasma gondii infection and testosterone congruently increase tolerance of male rats for risk of reward forfeiture

Hormones and Behavior 79 (2016) 37–44

<http://www.sciencedirect.com/science/article/pii/S0018506X16300204>

Masaru Tsuboi, Yoshihide Ueda, Yasufumi Ota, Hiroshi Takehara, Takuya Aoshima, Fukutaro Mizuhashi

Physiological conditions in iPRECIO® -implanted rats

Fundamental Toxicological Sciences Vol.3 (2016) No.1 p.1-8

https://www.jstage.jst.go.jp/article/fts/3/1/3_1/_article

Bo Halle, Eric G. Marcusson, Charlotte Aaberg-Jessen, Stine S. Jensen, Morten Meyer, Mette K. Schulz, Claus Andersen, Bjarne W. Kristensen

Convection-enhanced delivery of an anti-miR is well-tolerated, preserves anti-miR stability and causes efficient target de-repression: a proof of concept.

Journal of Neuro-Oncology 2015 Oct 1.

<http://link.springer.com/article/10.1007%2Fs11060-015-1947-2>

<http://www.ncbi.nlm.nih.gov/pubmed/26428358>

T. Kroon, J. Gabrielsson, N.D. Oakes

The abruptness of terminating nicotinic acid delivery has a profound effect on free fatty acid and insulin rebound in rats

51st EASD Annual Meeting, Stockholm 2015

<http://www.easdvirtualmeeting.org/resources/the-abruptness-of-terminating-nicotinic-acid-delivery-has-a-profound-effect-on-free-fatty-acid-and-insulin-rebound-in-rats-2>

Christophe Bory, Philippe Legé, Estelle Chalencon, Stéphane Milano, WIL Research Europe Lyon, St Germain-Nuelles, France

Vasopressin pressor activity in telemetered rat infused with SMP 200 micro infusion pump. A pilot study

E-Posters: eP-54, 51st Congress of the European Societies of Toxicology, September 13th 2015

<https://eurotox2015.abstract-management.de/program/index.php?conViewSession=5087&action=papers&showDay=>

Estelle Chalencon, C. Bory and S. Milano

SMP-200 micro infusion pump: effect of 6-weeks intravenous treatment with Amlodipine in spontaneously hypertensive (SHR) telemetered rat

5th Infusion Technology Organization Meeting, September 7th-8th 2015, Cologne, Germany.

www.ito-org.eu

Laura Gey, W Löscher and M Gernert

Use of iPrecio implantable micro infusion pumps for targeted intracerebral drug delivery in a rat model of epilepsy

5th Infusion Technology Organization Meeting, September 7th-8th 2015, Cologne, Germany.

www.ito-org.eu

Christian Schnell

The harmony of gold standard physiological monitoring with novel infusion technology: Better quality of science in pre-clinical models ranging from mice to marmosets

5th Infusion Technology Organization Meeting, September 7th-8th 2015, Cologne, Germany.

www.ito-org.eu

K Drew, T Jinka, L Bogren, I Bailey, Z Carlson, J Olson

METHODS AND COMPOSITIONS FOR THE TREATMENT OF ISCHEMIC INJURY TO TISSUE USING THERAPEUTIC HYPOTHERMIA

US Patent 20,150,238,513, 2015

<http://www.freepatentsonline.com/y2015/0238513.html>

Andreas Lundt, Carola Wormuth, Magdalena Elisabeth Siwek, Ralf Müller, Dan Ehninger, Christina Henseler, Karl Broich, Anna Papazoglou, and Marco Weiergräber

EEG radiotelemetry in small laboratory rodents - a powerful state-of-the art approach in neuropsychiatric, neurodegenerative and epilepsy research -

Neural Plasticity

<https://www.hindawi.com/journals/np/2016/8213878/>

Leigh J. Williams, Stephanie K. Klein, Danielle Greenawalt, Dawn Trueman, Helen Musgrove, Helen Jones, Linette Ruston, and Barry R. Davies

Establishment of an orthotopic bladder cancer model to evaluate continuous intravesical delivery of small molecule inhibitors in the nude rat

AACR 106th Annual Meeting 2015; April 18-22, 2015; Philadelphia, PA

http://cancerres.aacrjournals.org/content/75/15_Supplement/5146.short

Tobias Kroon, Ann Kjellstedt, Pia Thalén, Johan Gabrielsson, Nicholas D. Oakes

Dosing Profile Profoundly Influences Nicotinic Acid's Ability to Improve Metabolic Control in Rats

The Journal of Lipid Research, doi: 10.1194/jlr.M058149 , July 13, 2015

<http://www.jlr.org/content/early/2015/07/13/jlr.M058149.abstract>

Shanti Akers, Samuel Glickman, Serban A. Staicu, Deborah Haight, R. J. White

Increasing Dose Treprostinil and Tadalafil in Male Rats with Severe Pulmonary Hypertension

A52. PRECLINICAL TRIALS IN PULMONARY HYPERTENSION MODELS: NOVEL TARGETS AND DELIVERY. May 1, 2015, A1954-A1954

http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2015.191.1_MeetingAbstracts.A1954

Tulasi Ram Jinka , Velva Combs , and Kelly L Drew

Translating drug-induced hibernation to therapeutic hypothermia

ACS Chem. Neurosci., March 26, 2015, DOI: 10.1021/acchemneuro.5b00056

<http://pubs.acs.org/doi/abs/10.1021/acchemneuro.5b00056>

Kohki Matsubara, Yoshihiro Matsushita, Kiyoshi Sakai, Fumiya Kano, Megumi Kondo, Mariko Noda, Noboru Hashimoto, Shiro Imagama, Naoki Ishiguro, Akio Suzumura, Minoru Ueda, Koichi Furukawa, and Akihito Yamamoto

Secreted Ectodomain of Sialic Acid-Binding Ig-Like Lectin-9 and Monocyte Chemoattractant Protein-1 Promote Recovery after Rat Spinal Cord Injury by Altering Macrophage Polarity

The Journal of Neuroscience, February 11, 2015 • 35(6):2452–2464

<http://www.jneurosci.org/content/35/6/2452.short>

Kelly E. Henry, Clinton T. Elfers, Rachael M. Burke, Oleg G. Chepurny, George G. Holz, James E. Blevins, Christian L. Roth, Robert P. Doyle

Vitamin B₁₂ Conjugation of Peptide-YY₃₋₃₆ Decreases Food Intake Compared to Native Peptide-YY₃₋₃₆ Upon Subcutaneous Administration in Male Rats

Endocrinology February 6, 2015 doi: 10.1210/en.2014-1825

<http://press.endocrine.org/doi/abs/10.1210/en.2014-1825>

David C. Irwina, Jin Hyen Baekb, Kathryn Hassellc, Rachelle Nussc, Paul Eigenbergera, Christina Liska, Zoe Loomisc, Joanne Maltzahna, Kurt R Stenmarkd, Eva Nozik-Grayckd, Paul W. Buehlera
Hemoglobin induced lung vascular oxidation, inflammation, and remodeling contributes to the progression of hypoxic pulmonary hypertension and is attenuated in rats with repeat dose haptoglobin administration

Free Radical Biology and Medicine doi:10.1016/j.freeradbiomed.2015.01.012

<http://www.sciencedirect.com/science/article/pii/S0891584915000192>

Hiroshi Nakamoto, Kazuhiko Nakayama, Noriaki Emoto, and Fumihiko Kajiya

The Short-Term Effects of C-Peptide on the Early Diabetes-Related Ultrastructural Changes to the Podocyte Slit Diaphragm of Glomeruli in Rats

Microcirculation, Volume 22, Issue 2, pages 122–132, February 2015 DOI: 10.1111/micc.12185

<http://onlinelibrary.wiley.com/doi/10.1111/micc.12185/abstract>

Shobha N. Bhattachar, David M. Bender, Stephanie A. Sweetana, James A. Wesley

Discovery Formulations: Approaches and Practices in Early Preclinical Development

Discovering and Developing Molecules with Optimal Drug-Like Properties

AAPS Advances in the Pharmaceutical Sciences Series Volume 15, 2015, pp 49-94 Chapter 2, 27 Sep 2014

http://link.springer.com/chapter/10.1007/978-1-4939-1399-2_2

Roy J. Haskell, Kimberly A. Foster, Ching Kim Tye, Michael Morgen

Enabling Discovery Through Leveraging and Miniaturizing Pharmaceutical Principles and Processes

Discovering and Developing Molecules with Optimal Drug-Like Properties

AAPS Advances in the Pharmaceutical Sciences Series Volume 15, 2015, pp 95-140 Chapter 3, 27 Sep 2014

http://link.springer.com/chapter/10.1007/978-1-4939-1399-2_3

Yamamoto A., Matsubara K., Kano F. and Sakai K.

Analysis of the Neuroregenerative Activities of Mesenchymal Stem Cells in Functional Recovery after Rat Spinal Cord Injury

Animal Models for Stem Cell Therapy

Methods in Molecular Biology Volume 1213, 2014, pp 321-328 Chapter 26 , 04 Aug 2014

http://link.springer.com/protocol/10.1007/978-1-4939-1453-1_26

Roth C.L, Clinton Elfers C., Henry K., Burke R. and Doyle R.P.

Testing the Vitamin B12 Dietary Pathway for Delivery of Peptide-YY

Endocrine Society's 96th Annual Meeting and Expo, June 21–24, 2014 – Chicago, United States.

<http://press.endocrine.org/doi/abs/10.1210/endo-meetings.2014.OABA.5.SAT-0889>

Kuroki M.T. . , Gregory D. Fink , John W. Osborn

Comparison of arterial pressure and plasma AngII responses to three methods of subcutaneous AngII administration

American Journal of Physiology - Heart and Circulatory Physiology Jul 2014,

DOI:10.1152/ajpheart.00922.2013

<http://ajpheart.physiology.org/content/early/2014/06/30/ajpheart.00922.2013>

KROON T., THALÉN P., KJELLSTEDT A., GABRIELSSON J., OAKES N.D.,

Intermittent, but Not Continuous Nicotinic Acid (NiAc) Infusion Preserves Plasma Free Fatty Acid (FFA) Lowering and Ameliorates Insulin Resistance in Obese Zucker Rats

American Diabetes Association 74th Scientific Session, , San Francisco, CA, June 13-17th 2014

Poster #1823-P

<http://ada.scientificposters.com/epsSearchADA.cfm>

Naotaro Akiyama, MD, PhD; Tomomi Yamamoto-Fukuda, MD, PhD; Haruo Takahashi, MD, PhD

Influence of Continuous Negative Pressure in the Rat Middle Ear

The Laryngoscope , DOI: 10.1002/lary.24767

<http://onlinelibrary.wiley.com/doi/10.1002/lary.24767/full>

Kenji Suehiro, Yuka Nakamura, Shuai Xu, Youichi Uda, Takafumi Matsumura, Yoshiaki Yamaguchi, Hitoshi Okamura, Toshihide Yamashita & Yoshinori Takei

Ecto-domain phosphorylation promotes functional recovery from spinal cord injury

Scientific Reports 4, Article number:4972doi:10.1038/srep04972

<http://www.nature.com/srep/2014/140515/srep04972/full/srep04972.html>

Darren T. Beck Ph.D., Joshua F. Yarrow Ph.D., Luke A. Beggs M.S., Dana M. Otzel Ph.D., Fan Ye Ph.D., Christine F. Conover B.S., Julie R. Miller B.S., Alexander Balaez B.S., Sarah M. Combs B.S., Alicia M. Leeper B.S., Alyssa A. Williams B.S., Stephanie A. Lachacz B.S., Nigel Zheng Ph.D., Thomas J. Wronski Ph.D. and Stephen E. Borst Ph.D.

Influence of Aromatase Inhibition on the Bone Protective Effects of Testosterone

Journal of Bone and Mineral Research, 2014. DOI: 10.1002/jbmr.2265

Gey L, Gernert M, Löscher W

Chronic focal delivery of the antiepileptic drug vigabatrin into the subthalamic nucleus (STN) for epilepsy treatment

Deutsche Gesellschaft für Experimentelle und Klinische Pharmakologie und Toxikologie e.V.

80th Annual Meeting, April 1-3, Hannover, Germany.

Naunyn-Schmiedeberg's Arch Pharmacol (2014) 387 (Suppl1):

S1-S113 (DOI 10.1007/s00210-014-0960-x)

Duncan Patten (Huntingdon Life Sciences, UK)

Use of iPRECIO implantable micro infusion pumps in rats

4th Infusion Technology Organization Meeting, May 8th-9th

2014, Harrogate, UK.

Christian R. Schnell (Oncology Research, Novartis, Switzerland)

Use of iPRECIO implantable micro infusion pumps in rats

4th Infusion Technology Organization Meeting, May 8th-9th

2014, Harrogate, UK.

Leigh Williams (Astrazeneca, UK)

Establishment of an orthotopic model of bladder cancer for evaluation of molecularly targeted agents; intravesical delivery.

4th Infusion Technology Organization Meeting, May 8th-9th 2014, Harrogate, UK.

Masanori Yamato, Yasuhisa Tamura, Asami Eguchi, Satoshi Kume, Yukiharu Miyashige, Masayuki Nakano, Yasuyoshi Watanabe, Yosky Kataoka

Brain Interleukin-1 β and the Intrinsic Receptor Antagonist Control Peripheral Toll-Like Receptor 3-Mediated Suppression of Spontaneous Activity in Rats

Published: March 12, 2014 DOI: 10.1371/journal.pone.0090950 PLOS ONE Volume 9 Issue 3

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0090950>

Noriko Arai-Nunota, Masahide Mizobuchi, Hiroaki Ogata, Ai Yamazaki-Nakazawa, Chiaki Kumata, Fumiko Kondo, Nozomu Hosaka, Fumihiko Koiwa, Eriko Kinugasa, Takanori Shibata, Tadao Akizawa

Intravenous Phosphate Loading Increases Fibroblast Growth Factor 23 in Uremic Rats

Published: March 13, 2014 DOI: 10.1371/journal.pone.0091096 PLOS ONE Volume 9 Issue 3

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0091096#pone-0091096-g004>

Halle B., Marcusson E., Aaberg-Jessen C., Jensen S.S., Meyer M, Schulz M.K., Andersen C., Kristensen B.W.

Efficient microRNA inhibition in a highly invasive orthotopic glioblastoma model

4th Quadrennial Meeting of the World Federation of Neuro-Oncology

November 21-24, 2013, San Francisco, California

COTE M.P., HOULÉ J. D.

Chloride cotransporter KCC2 is essential to exercise-dependent recovery of spinal reflexes after SCI.

Neuroscience 2013, San Diego, USA. November 9th – 13th 2013

<http://www.abstractsonline.com/Plan/ViewAbstract.aspx?sKey=7fc906d1-b705-4ea2-9148-1668c789f104&cKey=87ddc290-d4ac-4e6e-8bca-64232cf1e92c&mKey=%7b8D2A5BEC-4825-4CD6-9439-B42BB151D1CF%7d>

OKON E. B., LEE J. H. T., STREIJGER F., MANOUCHEHRI N. , ANDERSON L. M., KWON B. K.

Intraparenchymal spinal cord microdialysis in unanaesthetized freely moving pigs following thoracic spinal cord injury

Neuroscience 2013, San Diego, USA. November 9th – 13th 2013

<http://www.abstractsonline.com/Plan/ViewAbstract.aspx?sKey=26dc24fd-2afe-4922-aa98-271fb03f99fd&cKey=9bdcf58f-6cc4-49d8-b1d8-25170fefed71&mKey=8d2a5bec-4825-4cd6-9439-b42bb151d1cf>

Stanley W.C., Cox J.W., Asemu G., O'Connell K.A., Dabkowski E.R., Xu W., Ribeiro R.F.Jr., Shekar K.C., Hoag S.W., Rastogi S., Sabbah H.N., Daneault C., Rosiers, C.

Evaluation of Docosaehaenoic Acid in a Dog Model of Hypertension Induced Left Ventricular Hypertrophy

Journal of Cardiovascular Translational Research, September 2013, DOI: 10.1007/s12265-013-9511-y

<http://link.springer.com/article/10.1007/s12265-013-9511-y#>

Beier H.

Pharmacokinetic application of the iPRECIO pump

DSI User Group Meeting, Berlin, Germany; March 21st & 22nd 2013

Asemu G., O'Connell K.A., Cox J.W., Dabkowski E.R., Xu W., Ribeiro R.F. Jr., Shekar K.C., Hecker P.A. Rastogi S., Sabbah H.N., Hoppel C.L., and Stanley W.C.

Enhanced Resistance to Permeability Transition in Interfibrillar Cardiac Mitochondria in Dogs: Effects of Aging and Long Term Aldosterone Infusion

Am J Physiol Heart Circ Physiol. 2013 Feb 15;304(4):H514-28. doi: 10.1152/ajpheart.00674.2012. Epub

2012 Dec 15. <http://www.ncbi.nlm.nih.gov/pubmed/23241318>

Zaretsky D.V., Zaretskaia M.V., Durant P.J., Rusyniak D.E.

The use of microinfusion pump to perform intrahypothalamic injections in conscious rats.

Neuroscience 2012, New Orleans, USA., October 13th - 17 2012.

<http://www.abstractionline.com/Plan/ViewAbstract.aspx?mlD=2964&sKey=87d8b951-316f-466a-9eb7-4b154d0bbd2c&cKey=b4b8338f-9bd2-44e2-bcf4-6e05a36cbbcb&mKey=%7b70007181-01C9-4DE9-A0A2-EEBFA14CD9F1%7d>

Patar, A., Jaafar, H., Jamalullail, S. M. S. S., & Abdullah, J. M.

The body wall crude extract of *Stichopus variegatus* promotes repair of acute contused spinal cord injury in rats by improving motor function and reduces intramedullary hemorrhage.

Biomed Res, 2012, 23(4), 483.22.

http://biomedres.info/yahoo_site_admin/assets/docs/483-494-Jafri_Abdullah11-1.27425644.pdf

Sasaki N, Shinjo M, Hirakawa S, Nishinaka M, Tanaka Y, Mawatari K, Kitamori T, Sato K.

A palmtop-sized microfluidic cell culture system driven by a miniaturized infusion pump.

Electrophoresis. 2012 Jul;33(12):1729-35. doi: 10.1002/elps.201100691.

<http://www.ncbi.nlm.nih.gov/pubmed/22740461>

Buehler PW, Baek JH, Lisk C, Connor I, Sullivan T, Kominsky D, Majka S, Stenmark KR, Nozik-Grayck E, Bonaventura J, Irwin DC.

Free hemoglobin induction of pulmonary vascular disease: evidence for an inflammatory mechanism. Am J Physiol Lung Cell Mol Physiol. 2012 Aug;303(4):L312-26. Epub 2012 Jun 22.

<http://www.ncbi.nlm.nih.gov/pubmed/22728465>

Yoshinori T., Kenji S., Kazuharu S., and Gozoh T.

Extracellular phosphorylation is a novel target for regenerative medicine against spinal cord injury. The FASEB Journal. 2012;26:921.4,

http://www.fasebj.org/cgi/content/meeting_abstract/26/1_MeetingAbstracts/921.4?sid=8d804f68-eb3f-4c2c-8b12-fa525cbbb359

Malicdan MC, Noguchi S, Tokutomi T, Goto Y, Nonaka I, Hayashi YK, and Nishino I.

Peracetylated N-acetylmannosamine, a synthetic sugar molecule, efficiently rescues muscle phenotype and biochemical defects in mouse model of sialic acid-deficient myopathy.

J Biol Chem. 2012 Jan 20; 287(4):2689-705. Epub 2011 Dec 8

<http://www.ncbi.nlm.nih.gov/pubmed/22157763>

Perron J., Frenette V., and Copeman C.

Validation and use of the iPRECIO® Micro Infusion Pump on GLP studies

Society of Toxicology Annual Meeting, San Francisco, United States, March 11th to 14th 2012.

<http://www.criver.com/about-us/eureka/podcasts/july-2012/micro-infusion>

Copeman C, Perron J., Trudel Y., Caron S., Emond F., Frenette, and Burr M.

Intrapatamenal Infusion in the albino rat

Society of Toxicology Annual Meeting, San Francisco, United States, March 11th to 14th 2012.

Wood S.K., McFadden D.V., Grigoriadis D., Bhatnagar S. and Valentino R.J.

Depressive and cardiovascular disease co-morbidity in a rat model of social stress: a putative role for corticotropin-releasing factor

Psychopharmacology 2012 Feb 10. [Epub ahead of print]

<http://www.ncbi.nlm.nih.gov/pubmed/22322324>

Imai T., Nakata E., Inoue K.

Inhibition of P2X4x receptor on spinal microglia attenuates mechanical allodynia in experimental autoimmune neuritis rats

Pain Research, Vol. 26 2011, O-59 Accepted: 7 February 2012

https://www.istage.jst.go.jp/article/pain/27/1/27_4/_pdf

Clarke I.J., Smith J.T., Henry B.A., Oldfield B.J., Stefanidis A., Millar R.P., Sari I.P., Chng K., Fabre- Nys C., Caraty A., Ang B.T., Chan L., and Fraley G.S.

Gonadotropin-Inhibitory Hormone Is a Hypothalamic Peptide That Provides a Molecular Switch between Reproduction and Feeding.

Neuroendocrinology (DOI: 10.1159/000332822) First published online January 25, 2012.

<http://www.ncbi.nlm.nih.gov/pubmed/22286004>

Kusanagi A., Yamasaki J., Iwatani C., Tsuchiya H. and Torii R.

220 NONHUMAN PRIMATE EMBRYONIC STEM CELLS SIMILAR TO THE BIOLOGICAL PROPERTIES OF MOUSE EMBRYONIC STEM CELLS

Reproduction, Fertility and Development 24(1) 222-222 <http://dx.doi.org/10.1071/RDv24n1Ab220>

Iwatani C., Yamasaki J., Kusanagi A., Tsuchiya H. and Torii R.

127 Ovarian stimulation in cynomolgus monkeys by a controlled release of follicular-stimulating hormone utilizing a micro infusion pump.

Reproduction, Fertility and Development 24 (1) 176-176 <http://dx.doi.org/10.1071/RDv24n1Ab127>

Tan T., Watts S. W. and Davis R. P.

Drug delivery: enabling technology for drug discovery and development. iPRECIO Micro Infusion Pump: programmable, refillable, and implantable

Front. Pharmacol. 2:44. doi: 10.3389/fphar.2011.00044

http://www.frontiersin.org/Journal/Abstract.aspx?s=322&name=experimental_pharmacology_and_drug_discovery&ART_DOI=10.3389/fphar.2011.00044

Osborn J., presenter; Fink G., discussant

Implantable infusion pumps for chronic rodent studies.

Workshop: Rodent Instrumentation Workshop M. Knuepfer, Experimental Biology, Washington DC.; April 9th to 13th 2011

http://medschool.slu.edu/pharmphys/uploads/John_Osborn_Implantable_Infusion_Pumps.pdf

Yoshinori T.

Extracellular protein phosphorylation promotes functional recovery from experimental spinal cord injury.

The 6th International Symposium on Receptor Mechanisms, Signal Transduction and Drug Effects - Development of Novel Therapy to Specific Disease in organ -, Kyoto, Japan; April 1st and 2nd 2011

Schnell C. and Ferrat T.,

Use of novel programmable pump for intracranial administration in an orthotopic glioblastoma tumor model in rats.

DSI User Group Meeting, Paris, France; March 17th 18th 2011

Martel E.

Refined rat pharmacology studies with infusion using implantable pumps.

DSI User Group Meeting, Paris, France; March 17th 18th 2011

Douglas G., Jones H., Edgington A., Saunders K., Neil Morgan S, Pullen N and Parenty G.

GPR54 agonists a way forward for downregulation of the GnRH pathway?

10th International Symposium on GnRH, Salzburg, Austria, Feb 6th -8th 2011

Shobo M., Yamada H., Koakutsu A., Hamada N., Fujii M, Harada K., Ni K., and Matsuoka N.,

Chronic treatment with olanzapine via a novel infusion pump induces adiposity in male rats.

Life Sciences, Volume 88, Issues 17–18, 25 April 2011, Pages 761-765

<http://www.ncbi.nlm.nih.gov/pubmed/21356217>

Chikara Abe, Kunihiro Tanaka, Chihiro Iwata, and Hironobu Morita

Vestibular-mediated increase in central serotonin plays an important role in hypergravity-induced hypophagia in rats

Appl Physiol December 2010 109:(6) 1635-1643 <http://www.ncbi.nlm.nih.gov/pubmed/20847126>

Yamato M., Okuyama K., Jin GH., Eguchi A., Watanabe Y., Kataoka Y.

Endogenous IL-1 β and IL-1 receptor antagonist in the brain are involved in poly I:C-induced immunological fatigue

The 33rd Annual Meeting of the Japan Neuroscience Society, Kobe, Japan., September 2nd – 4th 2010.

Stephanie W. Watts

The Evolving Story of 5-HT and Blood Pressure Mechanisms in a Muddle

Serotonin Club 2010, Montreal, Canada, July 9-11 2010

Susan K. Wood

Insights into pharmacotherapy for co-morbid depression and cardiovascular disease using a rodent model of social stress

iPRECIO® Luncheon Seminar, EB2010, Anaheim, United States, April 20-24 2010

Patrick Davis, Gregory D Fink, Bridget Seitz, and Stephanie W Watts

Serotonin infusion via the iPrecio® micro infusion pump results in repeated reductions in blood pressure in the normotensive Sprague Dawley rat.

FASEB J. 2010 24:lb551

http://www.fasebj.org/cgi/content/meeting_abstract/24/1_MeetingAbstracts/lb551

Jay Gizzi, Theodore Baird, Kyle O'Donohue, Josh Yoder, Jessica Grenwis, and Heather Bogie

Optimization of a fully implantable small animal infusion model involving multi-pressure data collection.

FASEB J. 2010 24:lb571

http://www.fasebj.org/cgi/content/meeting_abstract/24/1_MeetingAbstracts/lb571

Shobo M., Yamada H., Koakutsu A., Harada K., Ni K., and Matsuoka N.

Effect of long-term electrical infusion of olanzapine on fat weight in rats: a novel method for administration of biologically and/or chemically fragile compounds.

The 83rd Annual Meeting of the Japanese Pharmacological Society, Osaka, Japan, March 16th -18th 2010

Abe C., Tanaka K., Awazu H., Morita H.

The role of the vestibular system on the metabolism under hypergravity environment in rats: Implication for motion sickness.

Neuroscience 2009, Chicago, USA., October 17th - 21st 2009.

Yamato M., Okuyama K., Jin GH., Eguchi A., Watanabe Y., Kataoka Y.

Interleukin-1 β expression in the brain is involved in poly I:C-induced immunological fatigue-like behavior in rats

The 32nd Annual Meeting of the Japan Neuroscience Society, Nagoya, Japan., September 16th - 18th 2009.

Coles D.I., Warr A., Mead A.

Characterization of Pentobarbital Physical Dependence and Withdrawal in Rats

9th. Safety Pharmacology Society Annual Meeting, Strasbourg, France., September 15th - 18th 2009.

<http://www.sciencedirect.com/science/article/pii/S1056871910001905/>

Infusion Pumps for Small Laboratory Animals

ALN Magazine May/June 2009

<http://www.alnmag.com/article/infusion-pumps-small-laboratory-animals>

Iwatani C., Yamasaki J., Okahara—Narita J., Tsuchiya H., Torii R.

Research Center for Animal Life Science Shiga University of Medical Science

Follicular stimulation with micro infusion pump in cynomolgus monkeys (*Macaca fascicularis*)

The 56th Annual Meeting of the Japanese Association for Laboratory Animal Science 2009, Omiya Sonic City, Japan., May13th - 16th 2009.

Abe C, Tashiro T, Tanaka K, Ogihara R, Morita H.

A novel type of implantable and programmable infusion pump for small laboratory animals.

J Pharmacol Toxicol Methods. 2008 Sep 22. <http://www.ncbi.nlm.nih.gov/pubmed?term=iprecio>

Emiko Matsuoka, Makoto Miyazaki, Kazunori Iwanaga, and Masao Kakemi.

Assessment of Pharmacokinetic-Pharmacodynamic Relationship of Vitamin B12 in the Treatment of Somnopathy in Rats

14th Annual Meeting of Japanese Society for Chronobiology, Tokyo, Japan, November 7-9 2007

Christophe Bory, Philippe Lege, Estelle Chalencon, Stephane Milano, Kevin Gilbert, Florence Koeppel
Evaluation of iPrecio — Dual Channel pump: A safety pharmacology study case in the Cynomolgus Monkey

Journal of Pharmacological and Toxicological Methods, Volume 70, Issue 3, November–December 2014,
Page 350

<http://www.sciencedirect.com/science/article/pii/S1056871914001701>

Christophe Bory, Phillippe Lege, Estelle Chalencon, Stephane Milano
Evaluation of iPrecio — Dual Channel pump: A safety pharmacology study case in the Gottingen Minipig

Journal of Pharmacological and Toxicological Methods, Volume 70, Issue 3, November–December 2014,
Pages 349-350

<http://www.sciencedirect.com/science/article/pii/S1056871914001695>

Milano S.

Evaluation of iPrecio - dual channel pump

DSI User Group Meeting, Berlin, Germany; March 21st & 22nd 2013

May 10th 2017, <http://www.iprecio.com/>