



Hiromitsu (Hiro) Nakauchi

Professor of Genetics (Stem Cell)

Genetics Operations

CONTACT INFORMATION

- **Alternate Contact**

Noriko Someya Kawahara - Administrative assistant

Email noriko2@stanford.edu

Tel 650-497-4365

Bio

BIO

Hiro Nakauchi obtained a M.D. from Yokohama City University School of Medicine and a Ph.D. in immunology from University of Tokyo Graduate School of Medicine. He isolated CD8 genes during his post-doc period at the Laboratory of Prof. Leonard Herzenberg at Stanford University. After returning to Japan, he started working on hematopoietic stem cells in his laboratory at RIKEN. In 1994, he became Professor of Immunology at the University of Tsukuba where he demonstrated that a single hematopoietic stem cell could reconstitute the entire hematopoietic system, a definitive experimental proof for the “stemness”. Since April 2002, he has been a Professor of Stem Cell Therapy in the Institute of Medical Science at The University of Tokyo (IMSUT). In 2008, he was appointed Director of newly established Center for Stem Cell Biology and Regenerative Medicine at IMSUT. Just recently, he returned to Stanford University as a faculty to continue his stem cell research at the Institute of Stem Cell Biology and Regenerative Medicine. Goals of his work are to translate discoveries in basic research into practical medical applications.

ACADEMIC APPOINTMENTS

- Professor, Genetics Operations
- Member, Bio-X
- Member, Institute for Stem Cell Biology and Regenerative Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Assistant Professor, Department of Immunology Juntendo University, School of Medicine, (1986-1987)
- Associate team leader, Team leader Laboratory of Cell Growth and Differentiation, The Institute of Physical and Chemical Research (RIKEN), (1987-1995)
- Professor, Department of Immunology, Institute of Basic Medical Sciences, University of Tsukuba, (1994-2002)
- Professor, Laboratory of Stem Cell Therapy, Center for Exp. Medicine, Institute of Medical Science, University of Tokyo, (2002-2007)
- Leader, iPS Research Core Facility Program of The Project for Realization of Regenerative Medicine, University of Tokyo, (2008-2013)
- Research Director, Nakauchi Stem Cell and Organ Regeneration Project, Japan Science and Technology Agency, Exploratory Research for Advanced Technology, (2008-2013)

- Director, Center for Stem Cell Biology and Regenerative Medicine,, Institute of Medical Science, University of Tokyo, (2008-2017)
- Professor, Department of Genetics,, Institute for Stem Cell Biology and Regenerative Medicine, Stanford University, (2014- present)
- Project Professor, Distinguished Professor Unit, Institute of Medical Science, University of Tokyo, (2017- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Advisory board, RIKEN Center for Developmental Biology (2016 - present)
- Guest Professor, University of Ulm, Germany (2010 - 2013)
- President, Japanese Society of Regenerative Medicine (2007 - 2010)
- Advisory board, RIKEN Research Center for Allergy and Immunology (2005 - 2013)
- Board of Directors, International Society of Stem Cell Research (ISSCR) (2004 - 2008)
- Member, International Members Committee, American Society of Hematology (2004 - 2007)
- Advisory board, CONSERT (Concerted Safety & Efficiency Evaluation of Retroviral Transgenesis in Gene Therapy of Inherited Disease) by the European Union (2004 - 2007)

PROFESSIONAL EDUCATION

- Postdoctoral Fellow, immunogenetics and molecular biology, Department of Genetics Stanford University School of Medicine
- PhD, Department of Immunology, Graduate School of Medicine, University of Tokyo
- MD, Yokohama City University, School of Medicine

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Translation of discoveries in basic research into practical medical applications

PROJECTS

- Generation of functional organs from iPS cells using in vivo - Stanford University, The University of Tokyo, Meiji University, University of California Davis
- Generation of rejuvenated T cells for novel adoptive immunotherapy - Stanford University
- Isolation and Clonal Characterization of Hematopoietic Stem Cells - Stanford University, The University of Tokyo

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Joab Camarena

Doctoral Dissertation Reader (AC)

Amy Fan, Miles Linde, Molly Uyeda

Postdoctoral Faculty Sponsor

Joydeep Bhadury, Masashi Miyauchi, Kouta Niizuma, Toshiya Nishimura

Doctoral Dissertation Advisor (AC)

Carsten Charlesworth, Fabian Suchy

Doctoral Dissertation Co-Advisor (AC)

Kyomi Igarashi

Postdoctoral Research Mentor

Joydeep Bhadury, Masashi Miyauchi, Kouta Niizuma, Toshiya Nishimura

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Genetics (Phd Program)
- Stem Cell Biology and Regenerative Medicine (Phd Program)

Publications

PUBLICATIONS

- **Long-term ex vivo haematopoietic-stem-cell expansion allows nonconditioned transplantation.** *Nature*
Wilkinson, A. C., Ishida, R., Kikuchi, M., Sudo, K., Morita, M., Crisostomo, R. V., Yamamoto, R., Loh, K. M., Nakamura, Y., Watanabe, M., Nakauchi, H., Yamazaki, S.
2019
- **Large-Scale Clonal Analysis Resolves Aging of the Mouse Hematopoietic Stem Cell Compartment.** *Cell stem cell*
Yamamoto, R., Wilkinson, A. C., Ooehara, J., Lan, X., Lai, C. Y., Nakauchi, Y., Pritchard, J. K., Nakauchi, H.
2018; 22 (4): 600–607.e4
- **Changing concepts in hematopoietic stem cells.** *Science (New York, N.Y.)*
Yamamoto, R., Wilkinson, A. C., Nakauchi, H.
2018; 362 (6417): 895–96
- **Interspecies organogenesis generates autologous functional islets.** *Nature*
Yamaguchi, T., Sato, H., Kato-Itoh, M., Goto, T., Hara, H., Sanbo, M., Mizuno, N., Kobayashi, T., Yanagida, A., Umino, A., Ota, Y., Hamanaka, S., Masaki, et al
2017; 542 (7640): 191-196
- **Depleting dietary valine permits nonmyeloablative mouse hematopoietic stem cell transplantation** *SCIENCE*
Taya, Y., Ota, Y., Wilkinson, A. C., Kanazawa, A., Watarai, H., Kasai, M., Nakauchi, H., Yamazaki, S.
2016; 354 (6316): 1152-1155
- **Inhibition of Apoptosis Overcomes Stage-Related Compatibility Barriers to Chimera Formation in Mouse Embryos.** *Cell stem cell*
Masaki, H., Kato-Itoh, M., Takahashi, Y., Umino, A., Sato, H., Ito, K., Yanagida, A., Nishimura, T., Yamaguchi, T., Hirabayashi, M., Era, T., Loh, K. M., Wu, et al
2016; 19 (5): 587-592
- **Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche** *NATURE*
Chen, J. Y., Miyonishi, M., Wang, S. K., Yamazaki, S., Sinha, R., Kao, K. S., Seita, J., Sahoo, D., Nakauchi, H., Weissman, I. L.
2016; 530 (7589): 223-?
- **Clonal Analysis Unveils Self-Renewing Lineage-Restricted Progenitors Generated Directly from Hematopoietic Stem Cells** *CELL*
Yamamoto, R., Morita, Y., Ooehara, J., Hamanaka, S., Onodera, M., Rudolph, K. L., Ema, H., Nakauchi, H.
2013; 154 (5): 1112-1126
- **Blastocyst complementation generates exogenic pancreas in vivo in apancreatic cloned pigs** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Matsunari, H., Nagashima, H., Watanabe, M., Umeyama, K., Nakano, K., Nagaya, M., Kobayashi, T., Yamaguchi, T., Sumazaki, R., Herzenberg, L. A., Nakauchi, H.
2013; 110 (12): 4557-4562
- **Generation of Rejuvenated Antigen-Specific T Cells by Reprogramming to Pluripotency and Redifferentiation** *CELL STEM CELL*
Nishimura, T., Kaneko, S., Kawana-Tachikawa, A., Tajima, Y., Goto, H., Zhu, D., Nakayama-Hosoya, K., Iriguchi, S., Uemura, Y., Shimizu, T., Takayama, N., Yamada, D., Nishimura, et al
2013; 12 (1): 114-126
- **Nonmyelinating Schwann Cells Maintain Hematopoietic Stem Cell Hibernation in the Bone Marrow Niche** *CELL*
Yamazaki, S., Ema, H., Karlsson, G., Yamaguchi, T., Miyoshi, H., Shioda, S., Taketo, M. M., Karlsson, S., Iwama, A., Nakauchi, H.
2011; 147 (5): 1146-1158
- **Generation of Rat Pancreas in Mouse by Interspecific Blastocyst Injection of Pluripotent Stem Cells** *CELL*

- Kobayashi, T., Yamaguchi, T., Hamanaka, S., Kato-Itoh, M., Yamazaki, Y., Ibata, M., Sato, H., Lee, Y., Usui, J., Knisely, A. S., Hirabayashi, M., Nakauchi, H. 2010; 142 (5): 787-799
- **Sufficiency for inducible Caspase-9 safety switch in human pluripotent stem cells and disease cells.** *Gene therapy*
Nishimura, T., Xu, H., Iwasaki, M., Karigane, D., Saavedra, B., Takahashi, Y., Suchy, F. P., Monobe, S., Martin, R. M., Ohtaka, M., Nakanishi, M., Burrows, S. R., Cleary, et al
2020
 - **Sustainable Tumor-Suppressive Effect of iPSC-Derived Rejuvenated T Cells Targeting Cervical Cancers.** *Molecular therapy : the journal of the American Society of Gene Therapy*
Honda, T., Ando, M., Ando, J., Ishii, M., Sakiyama, Y., Ohara, K., Toyota, T., Ohtaka, M., Masuda, A., Terao, Y., Nakanishi, M., Nakauchi, H., Komatsu, et al
2020
 - **Stabilizing hematopoietic stem cells in vitro.** *Current opinion in genetics & development*
Wilkinson, A. C., Nakauchi, H.
2020; 64: 1–5
 - **Stepwise strategy for generating osteoblasts from human pluripotent stem cells under fully defined xeno-free conditions with small - molecule inducers** *REGENERATIVE THERAPY*
Zujur, D., Kanke, K., Onodera, S., Tani, S., Lai, J., Azuma, T., Xin, X., Lichtler, A. C., Rowe, D. W., Saito, T., Tanaka, S., Masaki, H., Nakauchi, et al
2020; 14: 19–31
 - **Hedgehog Activation Regulates Human Osteoblastogenesis.** *Stem cell reports*
Onodera, S., Saito, A., Hojo, H., Nakamura, T., Zujur, D., Watanabe, K., Morita, N., Hasegawa, D., Masaki, H., Nakauchi, H., Nomura, T., Shibahara, T., Yamaguchi, et al
2020
 - **In vivo and ex vivo haematopoietic stem cell expansion.** *Current opinion in hematology*
Yamamoto, R., Wilkinson, A. C., Nakauchi, H.
2020
 - **Long-term ex vivo expansion of mouse hematopoietic stem cells.** *Nature protocols*
Wilkinson, A. C., Ishida, R., Nakauchi, H., Yamazaki, S.
2020
 - **Haematopoietic stem cell self-renewal in vivo and ex vivo.** *Nature reviews. Genetics*
Wilkinson, A. C., Igarashi, K. J., Nakauchi, H.
2020
 - **Author Correction: CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep.** *Scientific reports*
Vilarino, M., Rashid, S. T., Suchy, F. P., McNabb, B. R., van der Meulen, T., Fine, E. J., Ahsan, S. D., Mursaliyev, N., Sebastiano, V., Diab, S. S., Huising, M. O., Nakauchi, H., Ross, et al
2020; 10 (1): 7500
 - **Macrophage Exosomes Resolve Atherosclerosis by Regulating Hematopoiesis and Inflammation via MicroRNA Cargo.** *Cell reports*
Bouchareychas, L., Duong, P., Covarrubias, S., Alsop, E., Phu, T. A., Chung, A., Gomes, M., Wong, D., Meechoovet, B., Capili, A., Yamamoto, R., Nakauchi, H., McManus, et al
2020; 32 (2): 107881
 - **Germline development in rat revealed by visualization and deletion of Prdm14.** *Development (Cambridge, England)*
Kobayashi, T., Kobayashi, H., Goto, T., Takashima, T., Oikawa, M., Ikeda, H., Terada, R., Yoshida, F., Sanbo, M., Nakauchi, H., Kurimoto, K., Hirabayashi, M.
2020
 - **Stepwise strategy for generating osteoblasts from human pluripotent stem cells under fully defined xeno-free conditions with small-molecule inducers.** *Regenerative therapy*
Zujur, D., Kanke, K., Onodera, S., Tani, S., Lai, J., Azuma, T., Xin, X., Lichtler, A. C., Rowe, D. W., Saito, T., Tanaka, S., Masaki, H., Nakauchi, et al
2020; 14: 19–31
 - **Vasoactive Intestinal Peptide Derived From Liver Mesenchymal Cells Mediates Tight Junction Assembly in Mouse Intrahepatic Bile Ducts.** *Hepatology communications*

- Sato, A., Kakinuma, S., Miyoshi, M., Kamiya, A., Tsunoda, T., Kaneko, S., Tsuchiya, J., Shimizu, T., Takeichi, E., Nitta, S., Kawai-Kitahata, F., Murakawa, M., Itsui, et al
2020; 4 (2): 235–54
- **Use of polyvinyl alcohol for chimeric antigen receptor T-cell expansion.** *Experimental hematology*
Nishimura, T., Hsu, I., Martinez-Krams, D. C., Nakauchi, Y., Majeti, R., Yamazaki, S., Nakauchi, H., Wilkinson, A. C.
2019
 - **Compensation of Disabled Organogeneses in Genetically Modified Pig Fetuses by Blastocyst Complementation.** *Stem cell reports*
Matsunari, H., Watanabe, M., Hasegawa, K., Uchikura, A., Nakano, K., Umeyama, K., Masaki, H., Hamanaka, S., Yamaguchi, T., Nagaya, M., Nishinakamura, R., Nakauchi, H., Nagashima, et al
2019
 - **Simple and Robust Differentiation of Human Pluripotent Stem Cells toward Chondrocytes by Two Small-Molecule Compounds.** *Stem cell reports*
Kawata, M., Mori, D., Kanke, K., Hojo, H., Ohba, S., Chung, U., Yano, F., Masaki, H., Otsu, M., Nakauchi, H., Tanaka, S., Saito, T.
2019
 - **[iPSC-derived rejuvenated T-cell therapy for Epstein-Barr virus-associated lymphomas].** *[Rinsho ketsueki] The Japanese journal of clinical hematology*
Ando, M., Nakauchi, H., Komatsu, N.
; 59 (7): 932–38
 - **Long-term eradication of extranodal NK/T cell lymphoma, nasal type, by induced pluripotent stem cell-derived Epstein-Barr virus-specific rejuvenated T cells in vivo.** *Haematologica*
Ando, M., Ando, J., Yamazaki, S., Ishii, M., Sakiyama, Y., Harada, S., Honda, T., Yamaguchi, T., Nojima, M., Ohshima, K., Nakauchi, H., Komatsu, N.
2019
 - **CRISPR/Cas9 BIO-PROTOCOL**
Mizuno, N., Mizutani, E., Sato, H., Kasai, M., Nakauchi, H., Yamaguchi, T.
2019; 9 (13)
 - **Loss of fibrocytin promotes interleukin-8-dependent proliferation and CTGF production of biliary epithelium** *JOURNAL OF HEPATOLOGY*
Tsunoda, T., Kakinuma, S., Miyoshi, M., Kamiya, A., Kaneko, S., Sato, A., Tsuchiya, J., Nitta, S., Kawai-Kitahata, F., Murakawa, M., Itsui, Y., Nakagawa, M., Azuma, et al
2019; 71 (1): 143–52
 - **Anephrogenic phenotype induced by SALL1 gene knockout in pigs.** *Scientific reports*
Watanabe, M., Nakano, K., Uchikura, A., Matsunari, H., Yashima, S., Umeyama, K., Takayanagi, S., Sakuma, T., Yamamoto, T., Morita, S., Horii, T., Hatada, I., Nishinakamura, et al
2019; 9 (1): 8016
 - **Highly Efficient and Marker-free Genome Editing of Human Pluripotent Stem Cells by CRISPR-Cas9 RNP and AAV6 Donor-Mediated Homologous Recombination.** *Cell stem cell*
Martin, R. M., Ikeda, K., Cromer, M. K., Uchida, N., Nishimura, T., Romano, R., Tong, A. J., Lemgart, V. T., Camarena, J., Pavel-Dinu, M., Sindhu, C., Wiebking, V., Vaidyanathan, et al
2019; 24 (5): 821
 - **LIM homeobox 2 promotes interaction between human iPS-derived hepatic progenitors and iPS-derived hepatic stellate-like cells.** *Scientific reports*
Miyoshi, M., Kakinuma, S., Kamiya, A., Tsunoda, T., Tsuchiya, J., Sato, A., Kaneko, S., Nitta, S., Kawai-Kitahata, F., Murakawa, M., Itsui, Y., Nakagawa, M., Azuma, et al
2019; 9 (1): 2072
 - **Generation of pluripotent stem cell-derived mouse kidneys in Sall1-targeted anephric rats.** *Nature communications*
Goto, T., Hara, H., Sanbo, M., Masaki, H., Sato, H., Yamaguchi, T., Hochi, S., Kobayashi, T., Nakauchi, H., Hirabayashi, M.
2019; 10 (1): 451
 - **Author Correction: Long-term ex vivo haematopoietic-stem-cell expansion allows nonconditioned transplantation.** *Nature*
Wilkinson, A. C., Ishida, R., Kikuchi, M., Sudo, K., Morita, M., Crisostomo, R. V., Yamamoto, R., Loh, K. M., Nakamura, Y., Watanabe, M., Nakauchi, H., Yamazaki, S.
2019
 - **Human iPSC Generation from Antigen-Specific T Cells.** *Methods in molecular biology (Clifton, N.J.)*

- Nishimura, T., Murmann, Y., Nakauchi, H.
2019; 2048: 53–57
- **Using the Inducible Caspase-9 Suicide-Safeguard System with iPSC and Bioluminescent Tracking.** *Methods in molecular biology (Clifton, N.J.)*
Villanueva, J., Nishimura, T., Nakauchi, H.
2019; 2048: 259–64
 - **Generation of functional lungs via conditional blastocyst complementation using pluripotent stem cells.** *Nature medicine*
Mori, M., Furuhashi, K., Danielsson, J. A., Hirata, Y., Kakiuchi, M., Lin, C. S., Ohta, M., Riccio, P., Takahashi, Y., Xu, X., Emala, C. W., Lu, C., Nakauchi, et al
2019
 - **Generation of Antigen-Specific T Cells from Human Induced Pluripotent Stem Cells.** *Methods in molecular biology (Clifton, N.J.)*
Nishimura, T., Nakauchi, H.
2019; 1899: 25–40
 - **Single cell analysis of human foetal liver captures the transcriptional profile of hepatobiliary hybrid progenitors.** *Nature communications*
Segal, J. M., Kent, D., Wesche, D. J., Ng, S. S., Serra, M., Oulès, B., Kar, G., Emerton, G., Blackford, S. J., Darmanis, S., Miquel, R., Luong, T. V., Yamamoto, et al
2019; 10 (1): 3350
 - **Hematopoietic stem cell-independent hematopoiesis and the origins of innate-like B lymphocytes.** *Development (Cambridge, England)*
Ghosn, E., Yoshimoto, M., Nakauchi, H., Weissman, I. L., Herzenberg, L. A.
2019; 146 (15)
 - **Efficient scarless genome editing in human pluripotent stem cells.** *Nature methods*
Ikeda, K., Uchida, N., Nishimura, T., White, J., Martin, R. M., Nakauchi, H., Sebastiano, V., Weinberg, K. I., Porteus, M. H.
2018; 15 (12): 1045–47
 - **Physiological Srsf2 P95H expression causes impaired hematopoietic stem cell functions and aberrant RNA splicing in mice**
Kon, A., Yamazaki, S., Nannya, Y., Kataoka, K., Ota, Y., Nakagawa, M., Yoshida, K., Yoshizato, T., Sanada, M., Nakayama, M., Koseki, H., Nakauchi, H., Ogawa, et al
WILEY.2018: 364
 - **Intra-embryo Gene Cassette Knockin by CRISPR/Cas9-Mediated Genome Editing with Adeno-Associated Viral Vector.** *iScience*
Mizuno, N., Mizutani, E., Sato, H., Kasai, M., Ogawa, A., Suchy, F., Yamaguchi, T., Nakauchi, H.
2018; 9: 286–97
 - **Chimeric liver transplantation reveals interspecific graft remodelling** *JOURNAL OF HEPATOLOGY*
Oldani, G., Peloso, A., Vijgen, S., Wilson, E. M., Slits, F., Gex, Q., Morel, P., Delaune, V., Orci, L. A., Yamaguchi, T., Kobayashi, T., Rubbia-Brandt, L., Nakauchi, et al
2018; 69 (5): 1025–36
 - **Integrated Stress Response Activity Marks Stem Cells in Normal Hematopoiesis and Leukemia.** *Cell reports*
van Galen, P., Mbong, N., Kreso, A., Schoof, E. M., Wagenblast, E., Ng, S. W., Krivdova, G., Jin, L., Nakauchi, H., Dick, J. E.
2018; 25 (5): 1109
 - **An interspecies barrier to tetraploid complementation and chimera formation** *SCIENTIFIC REPORTS*
Yamaguchi, T., Sato, H., Kobayashi, T., Kato-ito, M., Goto, T., Hara, H., Mizuno, N., Yanagida, A., Umino, A., Hamanaka, S., Suchy, F., Masaki, H., Ota, et al
2018; 8: 15289
 - **Generation of Vascular Endothelial Cells and Hematopoietic Cells by Blastocyst Complementation** *STEM CELL REPORTS*
Hamanaka, S., Umino, A., Sato, H., Hayama, T., Yanagida, A., Mizuno, N., Kobayashi, T., Kasai, M., Suchy, F., Yamazaki, S., Masaki, H., Yamaguchi, T., Nakauchi, et al
2018; 11 (4): 988–97
 - **Mosaicism diminishes the value of pre-implantation embryo biopsies for detecting CRISPR/Cas9 induced mutations in sheep.** *Transgenic research*
Vilarino, M., Suchy, F. P., Rashid, S. T., Lindsay, H., Reyes, J., McNabb, B. R., van der Meulen, T., Huising, M. O., Nakauchi, H., Ross, P. J.
2018
 - **Interspecies chimeras** *CURRENT OPINION IN GENETICS & DEVELOPMENT*
Suchy, F., Nakauchi, H.

2018; 52: 36–41

- **Generation of HIV-Resistant Macrophages from iPSCs by Using Transcriptional Gene Silencing and Promoter-Targeted RNA** *MOLECULAR THERAPY-NUCLEIC ACIDS*
Higaki, K., Hirao, M., Kawana-Tachikawa, A., Iriguchi, S., Kumagai, A., Ueda, N., Bo, W., Kamibayashi, S., Watanabe, A., Nakauchi, H., Suzuki, K., Kaneko, S.
2018; 12: 793–804
- **In vitro platform of allogeneic stem cell-derived cardiomyocyte transplantation for cardiac conduction defects** *EUROPACE*
Yoshida, A., Lee, J., Tomoyama, S., Miwa, K., Shirakawa, K., Hamanaka, S., Yamaguchi, T., Nakauchi, H., Miyagawa, S., Sawa, Y., Komuro, I., Sakata, Y.
2018; 20 (9): 1553–60
- **Human iPSC derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold.** *Biomaterials*
Ng, S. S., Saeb-Parsy, K., Blackford, S. J., Segal, J. M., Serra, M. P., Horcas-Lopez, M., No, D. Y., Mastoridis, S., Jassem, W., Frank, C. W., Cho, N. J., Nakauchi, H., Glenn, et al
2018; 182: 299–311
- **Designing Motif-Engineered Receptors To Elucidate Signaling Molecules Important for Proliferation of Hematopoietic Stem Cells** *ACS SYNTHETIC BIOLOGY*
Ishizuka, S., Lai, C., Otsu, M., Nakauchi, H., Nagamune, T., Kawahara, M.
2018; 7 (7): 1709–14
- **Interspecies chimeras.** *Current opinion in genetics & development*
Suchy, F., Nakauchi, H.
2018; 52: 36–41
- **Spre1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress** *CELL STEM CELL*
Tadokoro, Y., Hoshii, T., Yamazaki, S., Eto, K., Ema, H., Kobayashi, M., Ueno, M., Ohta, K., Arai, Y., Hara, E., Harada, K., Oshima, M., Oshima, et al
2018; 22 (5): 713–+
- **Imaging-Based Screen Identifies Laminin 411 as a Physiologically Relevant Niche Factor with Importance for i-Hep Applications** *STEM CELL REPORTS*
Ong, J., Serra, M., Segal, J., Cujba, A., Ng, S., Butler, R., Millar, V., Hatch, S., Zimri, S., Koike, H., Chan, K., Bonham, A., Walk, et al
2018; 10 (3): 693–702
- **Physiological Srsf2 P95H expression causes impaired hematopoietic stem cell functions and aberrant RNA splicing in mice** *BLOOD*
Kon, A., Yamazaki, S., Nannya, Y., Kataoka, K., Ota, Y., Nakagawa, M., Yoshida, K., Shiozawa, Y., Morita, M., Yoshizato, T., Sanada, M., Nakayama, M., Koseki, et al
2018; 131 (6): 621–35
- **Dissection of Signaling Events Downstream of the c-Mpl Receptor in Murine Hematopoietic Stem Cells Via Motif-Engineered Chimeric Receptors** *STEM CELL REVIEWS AND REPORTS*
Saka, K., Lai, C., Nojima, M., Kawahara, M., Otsu, M., Nakauchi, H., Nagamune, T.
2018; 14 (1): 101–9
- **Modeling lethal X-linked genetic disorders in pigs with ensured fertility** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Matsunari, H., Watanabe, M., Nakano, K., Enosawa, S., Umeyama, K., Uchikura, A., Yashima, S., Fukuda, T., Klymiuk, N., Kurome, M., Kessler, B., Wuenschd, A., Zakhartchenko, et al
2018; 115 (4): 708–13
- **iPSC-Derived Organs In Vivo: Challenges and Promise** *CELL STEM CELL*
Suchy, F., Yamaguchi, T., Nakauchi, H.
2018; 22 (1): 21–24
- **Branched-chain amino acid depletion conditions bone marrow for hematopoietic stem cell transplantation avoiding amino acid imbalance-associated toxicity.** *Experimental hematology*
Wilkinson, A. C., Morita, M., Nakauchia, H., Yamazaki, S.
2018
- **CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep** *SCIENTIFIC REPORTS*
Vilarino, M., Rashid, S., Suchy, F., McNabb, B., van der Meulen, T., Fine, E. J., Ahsan, S., Mursaliyev, N., Sebastiano, V., Diab, S., Huising, M. O., Nakauchi, H., Ross, et al

2017; 7: 17472

- **Haploid embryonic stem cell lines derived from androgenetic and parthenogenetic rat blastocysts** *JOURNAL OF REPRODUCTION AND DEVELOPMENT*
Hirabayashi, M., Hara, H., Goto, T., Takizawa, A., Dwinell, M. R., Yamanaka, T., Hochi, S., Nakauchi, H.
2017; 63 (6): 611–16
- **Interspecies chimeras for human stem cell research** *DEVELOPMENT*
Masaki, H., Nakauchi, H.
2017; 144 (14): 2544–47
- **Pre-Transplantation Blockade of TNF-alpha-Mediated Oxygen Species Accumulation Protects Hematopoietic Stem Cells** *STEM CELLS*
Ishida, T., Suzuki, S., Lai, C., Yamazaki, S., Kakuta, S., Iwakura, Y., Nojima, M., Takeuchi, Y., Higashihara, M., Nakauchi, H., Otsu, M.
2017; 35 (4): 989-1002
- **Pharmacological targeting of plasmin prevents lethality in a murine model of macrophage activation syndrome.** *Blood*
Shimazu, H., Munakata, S., Tashiro, Y., Salama, Y., Dhahri, D., Eiamboonsert, S., Ota, Y., Onoda, H., Tsuda, Y., Okada, Y., Nakauchi, H., Heissig, B., Hattori, et al
2017
- **'Off-the-shelf' immunotherapy with iPSC-derived rejuvenated cytotoxic T lymphocytes.** *Experimental hematology*
Ando, M., Nakauchi, H.
2017; 47: 2-12
- **Fail-Safe System against Potential Tumorigenicity after Transplantation of iPSC Derivatives.** *Stem cell reports*
Itakura, G., Kawabata, S., Ando, M., Nishiyama, Y., Sugai, K., Ozaki, M., Iida, T., Ookubo, T., Kojima, K., Kashiwagi, R., Yasutake, K., Nakauchi, H., Miyoshi, et al
2017
- **An All-Recombinant Protein-Based Culture System Specifically Identifies Hematopoietic Stem Cell Maintenance Factors.** *Stem cell reports*
Ieyasu, A., Ishida, R., Kimura, T., Morita, M., Wilkinson, A. C., Sudo, K., Nishimura, T., Ohehara, J., Tajima, Y., Lai, C., Otsu, M., Nakamura, Y., Ema, et al
2017
- **Continuous cell supply from Krt7-expressing hematopoietic stem cells during native hematopoiesis revealed by targeted in vivo gene transfer method** *SCIENTIFIC REPORTS*
Tajima, Y., Ito, K., Umino, A., Wilkinson, A. C., Nakauchi, H., Yamazaki, S.
2017; 7
- **Thalidomide induces apoptosis in undifferentiated human induced pluripotent stem cells.** *In vitro cellular & developmental biology. Animal*
Tachikawa, S., Nishimura, T., Nakauchi, H., Ohnuma, K.
2017
- **A Novel Mouse Model of iNKT Cell-deficiency Generated by CRISPR/Cas9 Reveals a Pathogenic Role of iNKT Cells in Metabolic Disease.** *Scientific reports*
Ren, Y., Sekine-Kondo, E., Shibata, R., Kato-Itoh, M., Umino, A., Yanagida, A., Satoh, M., Inoue, K., Yamaguchi, T., Mochida, K., Nakae, S., Van Kaer, L., Iwabuchi, et al
2017; 7 (1): 12765
- **In Vivo Generation of Engraftable Murine Hematopoietic Stem Cells by Gfi1b, c-Fos, and Gata2 Overexpression within Teratoma.** *Stem cell reports*
Tsukada, M., Ota, Y., Wilkinson, A. C., Becker, H. J., Osato, M., Nakauchi, H., Yamazaki, S.
2017; 9 (4): 1024–33
- **Mammalian Transcription Factor Networks: Recent Advances in Interrogating Biological Complexity.** *Cell systems*
Wilkinson, A. C., Nakauchi, H., Göttgens, B.
2017; 5 (4): 319–31
- **Lessons from Interspecies Mammalian Chimeras** *ANNUAL REVIEW OF CELL AND DEVELOPMENTAL BIOLOGY, VOL 33*
Suchy, F., Nakauchi, H., Schekman, R.
2017; 33: 203–17
- **Establishment of mouse expanded potential stem cells.** *Nature*
Yang, J., Ryan, D. J., Wang, W., Tsang, J. C., Lan, G., Masaki, H., Gao, X., Antunes, L., Yu, Y., Zhu, Z., Wang, J., Kolodziejczyk, A. A., Campos, et al

2017; 550 (7676): 393–97

- **Establishment of high reciprocal connectivity between clonal cortical neurons is regulated by the Dnmt3b DNA methyltransferase and clustered protocadherins** *BMC BIOLOGY*
Tarusawa, E., Sanbo, M., Okayama, A., Miyashita, T., Kitsukawa, T., Hirayama, T., Hirabayashi, T., Hasegawa, S., Kaneko, R., Toyoda, S., Kobayashi, T., Kato-Itoh, M., Nakauchi, et al
2016; 14
- **Stem cells and interspecies chimaeras** *NATURE*
Wu, J., Greely, H. T., Jaenisch, R., Nakauchi, H., Rossant, J., Belmonte, J. C.
2016; 540 (7631): 51-59
- **Non-myeloablative preconditioning with ACK2 (anti-c-kit antibody) is efficient in bone marrow transplantation for murine models of mucopolysaccharidosis type II.** *Molecular genetics and metabolism*
Yokoi, T., Yokoi, K., Akiyama, K., Higuchi, T., Shimada, Y., Kobayashi, H., Sato, T., Ohteki, T., Otsu, M., Nakauchi, H., Ida, H., Ohashi, T.
2016; 119 (3): 232-238
- **Pre-transplantation blockade of TNF- α -mediated oxygen species accumulation protects hematopoietic stem cells.** *Stem cells*
Ishida, T., Suzuki, S., Lai, C., Yamazaki, S., Kakuta, S., Iwakura, Y., Nojima, M., Takeuchi, Y., Higashihara, M., Nakauchi, H., Otsu, M.
2016
- **Application of Droplet Digital PCR for Estimating Vector Copy Number States in Stem Cell Gene Therapy.** *Human gene therapy methods*
Lin, H., Okumura, T., Yatsuda, Y., Ito, S., Nakauchi, H., Otsu, M.
2016; 27 (5): 197-208
- **Fibrinolytic crosstalk with endothelial cells expands murine mesenchymal stromal cells.** *Blood*
Dhahri, D., Sato-Kusubata, K., Ohki-Koizumi, M., Nishida, C., Tashiro, Y., Munakata, S., Shimazu, H., Salama, Y., Eiamboonsert, S., Nakauchi, H., Hattori, K., Heissig, B.
2016; 128 (8): 1063-1075
- **Multiple allogeneic progenitors in combination function as a unit to support early transient hematopoiesis in transplantation.** *journal of experimental medicine*
Ishida, T., Takahashi, S., Lai, C., Nojima, M., Yamamoto, R., Takeuchi, E., Takeuchi, Y., Higashihara, M., Nakauchi, H., Otsu, M.
2016; 213 (9): 1865-1880
- **Setdb1 maintains hematopoietic stem and progenitor cells by restricting the ectopic activation of nonhematopoietic genes.** *Blood*
Koide, S., Oshima, M., Takubo, K., Yamazaki, S., Nitta, E., Saraya, A., Aoyama, K., Kato, Y., Miyagi, S., Nakajima-Takagi, Y., Chiba, T., Matsui, H., Arai, et al
2016; 128 (5): 638-649
- **Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency** *DEVELOPMENTAL CELL*
Durruthy-Durruthy, J., Wossidlo, M., Pai, S., Takahashi, Y., Kang, G., Omberg, L., Chen, B., Nakauchi, H., Pera, R. R., Sebastiano, V.
2016; 38 (1): 100-115
- **Human induced pluripotent stem cell-derived hepatic cell lines as a new model for host interaction with hepatitis B virus** *SCIENTIFIC REPORTS*
Kaneko, S., Kakinuma, S., Asahina, Y., Kamiya, A., Miyoshi, M., Tsunoda, T., Nitta, S., Asano, Y., Nagata, H., Otani, S., Kawai-Kitahata, F., Murakawa, M., Itsui, et al
2016; 6
- **Transition of differential histone H3 methylation in photoreceptors and other retinal cells during retinal differentiation** *SCIENTIFIC REPORTS*
Ueno, K., Iwagawa, T., Kuribayashi, H., Baba, Y., Nakauchi, H., Murakami, A., Nagasaki, M., Suzuki, Y., Watanabe, S.
2016; 6
- **Investigation of bipotent differentiation of hepatoblasts using inducible diphtheria toxin receptor-transgenic mice** *HEPATOLOGY RESEARCH*
Yanagida, A., Mizuno, N., Yamazaki, Y., Kato-Itoh, M., Umino, A., Sato, H., Ito, K., Yamaguchi, T., Nakauchi, H., Kamiya, A.
2016; 46 (8): 816-828
- **Practical Selection Methods for Rat and Mouse Round Spermatids Without DNA Staining by Flow Cytometric Cell Sorting** *MOLECULAR REPRODUCTION AND DEVELOPMENT*
Hayama, T., Yamaguchi, T., Kato-Itoh, M., Ishii, Y., Mizuno, N., Umino, A., Sato, H., Sanbo, M., Hamanaka, S., Masaki, H., Hirabayashi, M., Nakauchi, H.
2016; 83 (6): 488-496

- **Rat Blastocysts from Nuclear Injection and Time-Lagged Nucleation and Their Commitment to Embryonic Stem Cells.** *Cellular reprogramming*
Hara, H., Goto, T., Takizawa, A., Sanbo, M., Jacob, H. J., Kobayashi, T., Nakauchi, H., Hochi, S., Hirabayashi, M.
2016; 18 (2): 108-115
- **Matrix metalloproteinase-14 mediates formation of bile ducts and hepatic maturation of fetal hepatic progenitor cells.** *Biochemical and biophysical research communications*
Otani, S., Kakinuma, S., Kamiya, A., Goto, F., Kaneko, S., Miyoshi, M., Tsunoda, T., Asano, Y., Kawai-Kitahata, F., Nitta, S., Nakata, T., Okamoto, R., Itsui, et al
2016; 469 (4): 1062-1068
- **Fetal Hematopoietic Stem Cell Transplantation Fails to Fully Regenerate the B-Lymphocyte Compartment.** *Stem cell reports*
Ghosn, E. E., Waters, J., Phillips, M., Yamamoto, R., Long, B. R., Yang, Y., Gerstein, R., Stoddart, C. A., Nakauchi, H., Herzenberg, L. A.
2016; 6 (1): 137-149
- **Fetal Hematopoietic Stem Cell Transplantation Fails to Fully Regenerate the B-Lymphocyte Compartment** *STEM CELL REPORTS*
Ghosn, E. E., Waters, J., Phillips, M., Yamamoto, R., Long, B. R., Yang, Y., Gerstein, R., Stoddart, C. A., Nakauchi, H., Herzenberg, L. A.
2016; 6 (1): 137-149
- **Hypomorphic phenotype of Foxn1 gene-modified rats by CRISPR/Cas9 system.** *Transgenic research*
Goto, T., Hara, H., Nakauchi, H., Hochi, S., Hirabayashi, M.
2016
- **Generation and In Vitro Expansion of Hepatic Progenitor Cells from Human iPS Cells.** *Methods in molecular biology (Clifton, N.J.)*
Yanagida, A., Nakauchi, H., Kamiya, A.
2016; 1357: 295-310
- **Liver maturation deficiency in p57(Kip2)^{-/-} mice occurs in a hepatocytic p57(Kip2) expression-independent manner.** *Developmental biology*
Yanagida, A., Chikada, H., Ito, K., Umino, A., Kato-Itoh, M., Yamazaki, Y., Sato, H., Kobayashi, T., Yamaguchi, T., Nakayama, K. I., Nakauchi, H., Kamiya, A.
2015; 407 (2): 331-343
- **MEK-ERK Activity Regulates the Proliferative Activity of Fetal Hepatoblasts Through Accumulation of p16/19(cdkn2a)** *STEM CELLS AND DEVELOPMENT*
Kamiya, A., Ito, K., Yanagida, A., Chikada, H., Iwama, A., Nakauchi, H.
2015; 24 (21): 2525-2535
- **A Safeguard System for Induced Pluripotent Stem Cell-Derived Rejuvenated T Cell Therapy** *STEM CELL REPORTS*
Ando, M., Nishimura, T., Yamazaki, S., Yamaguchi, T., Kawana-Tachikawa, A., Hayama, T., Nakauchi, Y., Ando, J., Ota, Y., Takahashi, S., Nishimura, K., Ohtaka, M., Nakanishi, et al
2015; 5 (4): 597-608
- **The basic helix-loop-helix transcription factor, Mist1, induces maturation of mouse fetal hepatoblasts** *SCIENTIFIC REPORTS*
Chikada, H., Ito, K., Yanagida, A., Nakauchi, H., Kamiya, A.
2015; 5
- **Cell Adhesion Minimization by a Novel Mesh Culture Method Mechanically Directs Trophoblast Differentiation and Self-Assembly Organization of Human Pluripotent Stem Cells** *TISSUE ENGINEERING PART C-METHODS*
Okeyo, K. O., Kurosawa, O., Yamazaki, S., Oana, H., Kotera, H., Nakauchi, H., Washizu, M.
2015; 21 (10): 1105-1115
- **Interspecific in vitro assay for the chimera-forming ability of human pluripotent stem cells.** *Development*
Masaki, H., Kato-Itoh, M., Umino, A., Sato, H., Hamanaka, S., Kobayashi, T., Yamaguchi, T., Nishimura, K., Ohtaka, M., Nakanishi, M., Nakauchi, H.
2015; 142 (18): 3222-3230
- **Roles of histone H3K27 trimethylase Ezh2 in retinal proliferation and differentiation** *DEVELOPMENTAL NEUROBIOLOGY*
Iida, A., Iwagawa, T., Baba, Y., Satoh, S., Mochizuki, Y., Nakauchi, H., Furukawa, T., Koseki, H., Murakami, A., Watanabe, S.
2015; 75 (9): 947-960
- **Dipeptide species regulate p38MAPK-Smad3 signalling to maintain chronic myelogenous leukaemia stem cells** *NATURE COMMUNICATIONS*
Naka, K., Jomen, Y., Ishihara, K., Kim, J., Ishimoto, T., Bae, E., Mohny, R. P., Stirdivant, S. M., Oshima, H., Oshima, M., Kim, D., Nakauchi, H., Takihara, et al
2015; 6

- **Curative haploidentical BMT in a murine model of X-linked chronic granulomatous disease** *INTERNATIONAL JOURNAL OF HEMATOLOGY*
Takeuchi, Y., Takeuchi, E., Ishida, T., Onodera, M., Nakauchi, H., Otsu, M.
2015; 102 (1): 111-120
- **Hyaline cartilage formation and tumorigenesis of implanted tissues derived from human induced pluripotent stem cells** *BIOMEDICAL RESEARCH-TOKYO*
Saito, T., Yano, F., Mori, D., Kawata, M., Hoshi, K., Takato, T., Masaki, H., Otsu, M., Eto, K., Nakauchi, H., Chung, U., Tanaka, S.
2015; 36 (3): 179-186
- **Vascularized and Complex Organ Buds from Diverse Tissues via Mesenchymal Cell-Driven Condensation** *CELL STEM CELL*
Takebe, T., Enomura, M., Yoshizawa, E., Kimura, M., Koike, H., Ueno, Y., Matsuzaki, T., Yamazaki, T., Toyohara, T., Osafune, K., Nakauchi, H., Yoshikawa, H., Y., Taniguchi, et al
2015; 16 (5): 556-565
- **Inhibition of Plasmin Protects Against Colitis in Mice by Suppressing Matrix Metalloproteinase 9-Mediated Cytokine Release From Myeloid Cells.** *Gastroenterology*
Munakata, S., Tashiro, Y., Nishida, C., Sato, A., Komiyama, H., Shimazu, H., Dhahri, D., Salama, Y., Eiamboonsert, S., Takeda, K., Yagita, H., Tsuda, Y., Okada, et al
2015; 148 (3): 565-578 e4
- **Effect of donor chimerism to reduce the level of glycosaminoglycans following bone marrow transplantation in a murine model of mucopolysaccharidosis type II** *JOURNAL OF INHERITED METABOLIC DISEASE*
Yokoi, K., Akiyama, K., Kaneshiro, E., Higuchi, T., Shimada, Y., Kobayashi, H., Akiyama, M., Otsu, M., Nakauchi, H., Ohashi, T., Ida, H.
2015; 38 (2): 333-340
- **Effective treatment against severe graft-versus-host disease with allele-specific anti-HLA monoclonal antibody in a humanized mouse model.** *Experimental hematology*
Nakauchi, Y., Yamazaki, S., Napier, S. C., Usui, J., Ota, Y., Takahashi, S., Watanabe, N., Nakauchi, H.
2015; 43 (2): 79-88 e1 4
- **Effective treatment against severe graft-versus-host disease with allele-specific anti-HLA monoclonal antibody in a humanized mouse model.** *Experimental hematology*
Nakauchi, Y., Yamazaki, S., Napier, S. C., Usui, J., Ota, Y., Takahashi, S., Watanabe, N., Nakauchi, H.
2015; 43 (2): 79-88 e4
- **Characterization of mesenchymal progenitor cells in the crown and root pulp of primary teeth** *BIOMEDICAL RESEARCH-TOKYO*
Toriumi, T., Takayama, N., Murakami, M., Sato, M., Yuguchi, M., Yamazaki, Y., Eto, K., Otsu, M., Nakauchi, H., Shirakawa, T., Isokawa, K., Honda, M. J.
2015; 36 (1): 31-45
- **Targeted organ generation using mixl1-inducible mouse pluripotent stem cells in blastocyst complementation.** *Stem cells and development*
Kobayashi, T., Kato-Itoh, M., Nakauchi, H.
2015; 24 (2): 182-189
- **Successful Reprogramming of Epiblast Stem Cells by Blocking Nuclear Localization of beta-Catenin** *STEM CELL REPORTS*
Murayama, H., Masaki, H., Sato, H., Hayama, T., Yamaguchi, T., Nakauchi, H.
2015; 4 (1): 103-113
- **T-cell restricted T-bet overexpression induces aberrant hematopoiesis of myeloid cells and impairs function of macrophages in the lung** *BLOOD*
Iriguchi, S., Kikuchi, N., Kaneko, S., Noguchi, E., Morishima, Y., Matsuyama, M., Yoh, K., Takahashi, S., Nakauchi, H., Ishii, Y.
2015; 125 (2): 370-382
- **Inhibition of plasmin attenuates murine acute graft-versus-host disease mortality by suppressing the matrix metalloproteinase-9-dependent inflammatory cytokine storm and effector cell trafficking.** *Leukemia*
Sato, A., Nishida, C., Sato-Kusubata, K., Ishihara, M., Tashiro, Y., Gritli, I., Shimazu, H., Munakata, S., Yagita, H., Okumura, K., Tsuda, Y., Okada, Y., Tojo, et al
2015; 29 (1): 145-156
- **Lift NIH restrictions on chimera research.** *Science (New York, N.Y.)*
Sharma, A., Sebastiano, V., Scott, C. T., Magnus, D., Koyano-Nakagawa, N., Garry, D. J., Witte, O. N., Nakauchi, H., Wu, J. C., Weissman, I. L., Wu, S. M.
2015; 350 (6261): 640
- **An assessment of the effects of ectopic gp91phox expression in XCGD iPSC-derived neutrophils** *MOLECULAR THERAPY-METHODS & CLINICAL DEVELOPMENT*

- Lin, H., Masaki, H., Yamaguchi, T., Wada, T., Yachie, A., Nishimura, K., Ohtaka, M., Nakanishi, M., Nakauchi, H., Otsu, M.
2015; 2
- **An assessment of the effects of ectopic gp91phox expression in XCGD iPSC-derived neutrophils.** *Molecular therapy. Methods & clinical development*
Lin, H., Masaki, H., Yamaguchi, T., Wada, T., Yachie, A., Nishimura, K., Ohtaka, M., Nakanishi, M., Nakauchi, H., Otsu, M.
2015; 2: 15046-?
 - **Screening of Drugs to Treat 8p11 Myeloproliferative Syndrome Using Patient-Derived Induced Pluripotent Stem Cells with Fusion Gene CEP110-FGFR1.** *PloS one*
Yamamoto, S., Otsu, M., Matsuzaka, E., Konishi, C., Takagi, H., Hanada, S., Mochizuki, S., Nakauchi, H., Imai, K., Tsuji, K., Ebihara, Y.
2015; 10 (3)
 - **Novel strategies for liver therapy using stem cells** *GUT*
Rashid, T., Takebe, T., Nakauchi, H.
2015; 64 (1): 1-4
 - **Quantification of adult T-cell leukemia/lymphoma cells using simple four-color flow cytometry** *CLINICAL CHEMISTRY AND LABORATORY MEDICINE*
Ishigaki, T., Zaike, Y., Nojima, M., Kobayashi, S., Ohno, N., Uchimar, K., Tojo, A., Nakauchi, H., Watanabe, N.
2015; 53 (1): 85-93
 - **Impaired hematopoietic differentiation of RUNX1-mutated induced pluripotent stem cells derived from FPD/AML patients** *LEUKEMIA*
Sakurai, M., Kunimoto, H., Watanabe, N., Fukuchi, Y., Yuasa, S., Yamazaki, S., Nishimura, T., Sadahira, K., Fukuda, K., Okano, H., Nakauchi, H., Morita, Y., Matsumura, et al
2014; 28 (12): 2344-2354
 - **Generation of Recombination Activating Gene-1-Deficient Neonatal Piglets: A Model of T and B Cell Deficient Severe Combined Immune Deficiency** *PLOS ONE*
Ito, T., Sendai, Y., Yamazaki, S., Seki-Soma, M., Hirose, K., Watanabe, M., Fukawa, K., Nakauchi, H.
2014; 9 (12)
 - **A melanocyte-melanoma precursor niche in sweat glands of volar skin** *PIGMENT CELL & MELANOMA RESEARCH*
Okamoto, N., Aoto, T., Uhara, H., Yamazaki, S., Akutsu, H., Umezawa, A., Nakauchi, H., Miyachi, Y., Saida, T., Nishimura, E. K.
2014; 27 (6): 1039-1050
 - **Gene Targeting Study Reveals Unexpected Expression of Brain-expressed X-linked 2 in Endocrine and Tissue Stem/Progenitor Cells in Mice** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Ito, K., Yamazaki, S., Yamamoto, R., Tajima, Y., Yanagida, A., Kobayashi, T., Kato-Itoh, M., Kakuta, S., Iwakura, Y., Nakauchi, H., Kamiya, A.
2014; 289 (43): 29892-29911
 - **Generation of Mouse Functional Oocytes in Rat by Xeno-Ectopic Transplantation of Primordial Germ Cells** *BIOLOGY OF REPRODUCTION*
Hayama, T., Yamaguchi, T., Kato-Itoh, M., Hamanaka, S., Kawarai, M., Sanbo, M., Tamura, C., Lee, Y., Yanagida, A., Murayama, H., Mizuno, N., Umino, A., Sato, et al
2014; 91 (4)
 - **Mesenchymal progenitor cells in mouse foetal liver regulate differentiation and proliferation of hepatoblasts** *LIVER INTERNATIONAL*
Ito, K., Yanagida, A., Okada, K., Yamazaki, Y., Nakauchi, H., Kamiya, A.
2014; 34 (9): 1378-1390
 - **Haploinsufficiency of Sf3b1 leads to compromised stem cell function but not to myelodysplasia** *LEUKEMIA*
Matsunawa, M., Yamamoto, R., Sanada, M., Sato-Otsubo, A., Shiozawa, Y., Yoshida, K., Otsu, M., Shiraiishi, Y., Miyano, S., Isono, K., Koseki, H., Nakauchi, H., Ogawa, et al
2014; 28 (9): 1844-1850
 - **Generation of induced pluripotent stem cells derived from primary and secondary myelofibrosis patient samples** *EXPERIMENTAL HEMATOLOGY*
Hosoi, M., Kumano, K., Taoka, K., Arai, S., Kataoka, K., Ueda, K., Kamikubo, Y., Takayama, N., Otsu, M., Eto, K., Nakauchi, H., Kurokawa, M.
2014; 42 (9): 816-825
 - **Down syndrome-associated haematopoiesis abnormalities created by chromosome transfer and genome editing technologies** *SCIENTIFIC REPORTS*
Kazuki, Y., Yakura, Y., Abe, S., Osaki, M., Kajitani, N., Kazuki, K., Takehara, S., Honma, K., Suemori, H., Yamazaki, S., Sakuma, T., Toki, T., Shimizu, et al
2014; 4

- **Acid sphingomyelinase modulates the autophagic process by controlling lysosomal biogenesis in Alzheimer's disease.** *journal of experimental medicine*
Lee, J. K., Jin, H. K., Park, M. H., Kim, B., Lee, P. H., Nakauchi, H., Carter, J. E., He, X., Schuchman, E. H., Bae, J.
2014; 211 (8): 1551-1570
- **Stage-Specific Roles for Cxcr4 Signaling in Murine Hematopoietic Stem/Progenitor Cells in the Process of Bone Marrow Repopulation** *STEM CELLS*
Lai, C., Yamazaki, S., Okabe, M., Suzuki, S., Maeyama, Y., Iimura, Y., Onodera, M., Kakuta, S., Iwakura, Y., Nojima, M., Otsu, M., Nakauchi, H.
2014; 32 (7): 1929-1942
- **Multicolor staining of globin subtypes reveals impaired globin switching during erythropoiesis in human pluripotent stem cells.** *Stem cells translational medicine*
Ochi, K., Takayama, N., Hirose, S., Nakahata, T., Nakauchi, H., Eto, K.
2014; 3 (7): 792-800
- **Stepwise Differentiation of Pluripotent Stem Cells into Osteoblasts Using Four Small Molecules under Serum-free and Feeder-free Conditions** *STEM CELL REPORTS*
Kanke, K., Masaki, H., Saito, T., Komiyama, Y., Hojo, H., Nakauchi, H., Lichtler, A. C., Takato, T., Chung, U., Ohba, S.
2014; 2 (6): 751-760
- **Bone marrow Schwann cells induce hematopoietic stem cell hibernation** *INTERNATIONAL JOURNAL OF HEMATOLOGY*
Yamazaki, S., Nakauchi, H.
2014; 99 (6): 695-698
- **Destruction of polychlorinated naphthalenes by a high-temperature melting treatment (GeoMelt process)** *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH*
Yamamoto, T., Kai, Y., Nakauchi, H., Abuku, T., Noma, Y.
2014; 21 (12): 7557-7566
- **Transgenic Pigs with Pancreas-specific Expression of Green Fluorescent Protein** *JOURNAL OF REPRODUCTION AND DEVELOPMENT*
Matsunari, H., Kobayashi, T., Watanabe, M., Umeyama, K., Nakano, K., Kanai, T., Matsuda, T., Nagaya, M., Hara, M., Nakauchi, H., Nagashima, H.
2014; 60 (3): 230-237
- **The generation of induced pluripotent stem cells (iPSCs) from patients with infantile and late-onset types of Pompe disease and the effects of treatment with acid-alpha-glucosidase in Pompe's iPSCs** *MOLECULAR GENETICS AND METABOLISM*
Higuchi, T., Kawagoe, S., Otsu, M., Shimada, Y., Kobayashi, H., Hirayama, R., Eto, K., Ida, H., Ohashi, T., Nakauchi, H., Eto, Y.
2014; 112 (1): 44-48
- **A Comparison of the Rest Complex Binding Patterns in Embryonic Stem Cells and Epiblast Stem Cells** *PLOS ONE*
Seki, M., Masaki, H., Arauchi, T., Nakauchi, H., Sugano, S., Suzuki, Y.
2014; 9 (4)
- **Expandable Megakaryocyte Cell Lines Enable Clinically Applicable Generation of Platelets from Human Induced Pluripotent Stem Cells** *CELL STEM CELL*
Nakamura, S., Takayama, N., Hirata, S., Seo, H., Endo, H., Ochi, K., Fujita, K., Koike, T., Harimoto, K., Dohda, T., Watanabe, A., Okita, K., Takahashi, et al
2014; 14 (4): 535-548
- **Developmental Epigenetic Modification Regulates Stochastic Expression of Clustered Protocadherin Genes, Generating Single Neuron Diversity** *NEURON*
Toyoda, S., Kawaguchi, M., Kobayashi, T., Tarusawa, E., Toyama, T., Okano, M., Oda, M., Nakauchi, H., Yoshimura, Y., Sanbo, M., Hirabayashi, M., Hirayama, T., Hirabayashi, et al
2014; 82 (1): 94-108
- **Nov/CCN3 regulates long-term repopulating activity of murine hematopoietic stem cells via integrin alpha v beta 3** *INTERNATIONAL JOURNAL OF HEMATOLOGY*
Ishihara, J., Umamoto, T., Yamato, M., Shiratsuchi, Y., Takaki, S., Petrich, B. G., Nakauchi, H., Eto, K., Kitamura, T., Okano, T.
2014; 99 (4): 393-406
- **Use of cell type-specific transcriptome to identify genes specifically involved in Muller glia differentiation during retinal development** *DEVELOPMENTAL NEUROBIOLOGY*
Mochizuki, Y., Iida, A., Lyons, E., Kageyama, R., Nakauchi, H., Murakami, A., Watanabe, S.
2014; 74 (4): 426-437
- **A Comprehensive System for Generation and Evaluation of Induced Pluripotent Stem Cells Using piggyBac Transposition** *PLOS ONE*

- Tsukiyama, T., Kato-Itoh, M., Nakauchi, H., Ohinata, Y.
2014; 9 (3)
- **Histone demethylase Jmjd3 is required for the development of subsets of retinal bipolar cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Iida, A., Iwagawa, T., Kuribayashi, H., Satoh, S., Mochizuki, Y., Baba, Y., Nakauchi, H., Furukawa, T., Koseki, H., Murakami, A., Watanabe, S.
2014; 111 (10): 3751-3756
 - **A Chemical Probe that Labels Human Pluripotent Stem Cells** *CELL REPORTS*
Hirata, N., Nakagawa, M., Fujibayashi, Y., Yamauchi, K., Murata, A., Minami, I., Tomioka, M., Kondo, T., Kuo, T., Endo, H., Inoue, H., Sato, S., Ando, et al
2014; 6 (6): 1165-1174
 - **The TIF1 beta-HP1 System Maintains Transcriptional Integrity of Hematopoietic Stem Cells** *STEM CELL REPORTS*
Miyagi, S., Koide, S., Saraya, A., Wendt, G. R., Oshima, M., Konuma, T., Yamazaki, S., Mochizuki-Kashio, M., Nakajima-Takagi, Y., Wang, C., Chiba, T., Kitabayashi, I., Nakauchi, et al
2014; 2 (2): 145-152
 - **Homeodomain Transcription Factor Meis1 Is a Critical Regulator of Adult Bone Marrow Hematopoiesis** *PLOS ONE*
Ariki, R., Morikawa, S., Mabuchi, Y., Suzuki, S., Nakatake, M., Yoshioka, K., Hidano, S., Nakauchi, H., Matsuzaki, Y., Nakamura, T., Goitsuka, R.
2014; 9 (2)
 - **Enzyme augmentation therapy enhances the therapeutic efficacy of bone marrow transplantation in mucopolysaccharidosis type II mice** *MOLECULAR GENETICS AND METABOLISM*
Akiyama, K., Shimada, Y., Higuchi, T., Ohtsu, M., Nakauchi, H., Kobayashi, H., Fukuda, T., Ida, H., Eto, Y., Crawford, B. E., Brown, J. R., Ohashi, T.
2014; 111 (2): 139-146
 - **Derivation of Embryonic Stem Cell Lines from Parthenogenetically Developing Rat Blastocysts** *STEM CELLS AND DEVELOPMENT*
Hirabayashi, M., Goto, T., Tamura, C., Sanbo, M., Hara, H., Kato-Itoh, M., Sato, H., Kobayashi, T., Nakauchi, H., Hochi, S.
2014; 23 (2): 107-114
 - **Clock gene Bmal1 is dispensable for intrinsic properties of murine hematopoietic stem cells.** *Journal of negative results in biomedicine*
Ieyasu, A., Tajima, Y., Shimba, S., Nakauchi, H., Yamazaki, S.
2014; 13: 4-?
 - **DNA Methylation Is Involved in the Expression of miR-142-3p in Fibroblasts and Induced Pluripotent Stem Cells.** *Stem cells international*
Abdul Razak, S. R., Baba, Y., Nakauchi, H., Otsu, M., Watanabe, S.
2014; 2014: 101349-?
 - **DNA Methylation Is Involved in the Expression of miR-142-3p in Fibroblasts and Induced Pluripotent Stem Cells** *STEM CELLS INTERNATIONAL*
Razak, S. R., Baba, Y., Nakauchi, H., Otsu, M., Watanabe, S.
2014
 - **73 application of the hollow fiber vitrification method to the cryopreservation of highly cryosensitive embryos.** *Reproduction, fertility, and development*
Uchikura, A., Matsunari, H., Nakano, K., Hatae, S., Matsumura, Y., Asano, Y., Takeishi, T., Nakauchi, H., Nagashima, H.
2014; 27 (1): 129-30
 - **Revisiting the flight of Icarus: making human organs from PSCs with large animal chimeras.** *Cell stem cell*
Rashid, T., Kobayashi, T., Nakauchi, H.
2014; 15 (4): 406-9
 - **Circulating Cells Contribute to Cardiomyocyte Regeneration After Injury.** *Circulation research*
Wu, J. M., Hsueh, Y. C., Ch'ang, H. J., Luo, C. Y., Wu, L. W., Nakauchi, H., Hsieh, P. C.
2014
 - **The generation and maintenance of rat induced pluripotent stem cells.** *Methods in molecular biology (Clifton, N.J.)*
Yamaguchi, T., Hamanaka, S., Nakauchi, H.
2014; 1210: 143-150
 - **Generation of mouse functional oocytes in rat by xeno-ectopic transplantation of primordial germ cells.** *Biology of reproduction*
Hayama, T., Yamaguchi, T., Kato-Itoh, M., Hamanaka, S., Kawarai, M., Sanbo, M., Tamura, C., Lee, Y. S., Yanagida, A., Murayama, H., Mizuno, N., Umino, A., Sato, et al

2014; 91 (4): 89

- **Gene targeting study reveals unexpected expression of brain-expressed X-linked 2 in endocrine and tissue stem/progenitor cells in mice.** *The Journal of biological chemistry*
Ito, K., Yamazaki, S., Yamamoto, R., Tajima, Y., Yanagida, A., Kobayashi, T., Kato-Itoh, M., Kakuta, S., Iwakura, Y., Nakauchi, H., Kamiya, A.
2014; 289 (43): 29892–911
- **31 production efficiency of gene knockout pigs using genome editing and somatic cell cloning.** *Reproduction, fertility, and development*
Matsunari, H., Watanabe, M., Nakano, K., Uchikura, A., Asano, Y., Hatae, S., Takeishi, T., Umeyama, K., Nagaya, M., Miyagawa, S., Hanazono, Y., Nakauchi, H., Nagashima, et al
2014; 27 (1): 108
- **Five-lineage clonal analysis of hematopoietic stem/progenitor cells.** *Methods in molecular biology (Clifton, N.J.)*
Yamamoto, R., Morita, Y., Nakauchi, H.
2014; 1185: 237-245
- **Generation of induced pluripotent stem cells derived from primary and secondary myelofibrosis patient samples.** *Experimental hematology*
Hosoi, M., Kumano, K., Taoka, K., Arai, S., Kataoka, K., Ueda, K., Kamikubo, Y., Takayama, N., Otsu, M., Eto, K., Nakauchi, H., Kurokawa, M.
2014
- **Immortalization of Erythroblasts by c-MYC and BCL-XL Enables Large-Scale Erythrocyte Production from Human Pluripotent Stem Cells** *STEM CELL REPORTS*
Hirose, S., Takayama, N., Nakamura, S., Nagasawa, K., Ochi, K., Hirata, S., Yamazaki, S., Yamaguchi, T., Otsu, M., Sano, S., Takahashi, N., Sawaguchi, A., Ito, et al
2013; 1 (6): 499-508
- **Top-down motif engineering of a cytokine receptor for directing ex vivo expansion of hematopoietic stem cells** *JOURNAL OF BIOTECHNOLOGY*
Saka, K., Kawahara, M., Teng, J., Otsu, M., Nakauchi, H., Nagamune, T.
2013; 168 (4): 659-665
- **Recurrent mutations in multiple components of the cohesin complex in myeloid neoplasms** *NATURE GENETICS*
Kon, A., Shih, L., Minamino, M., Sanada, M., Shiraishi, Y., Nagata, Y., Yoshida, K., Okuno, Y., Bando, M., Nakato, R., Ishikawa, S., Sato-Otsubo, A., Nagae, et al
2013; 45 (10): 1232-U187
- **Profiling of MicroRNA in Human and Mouse ES and iPS Cells Reveals Overlapping but Distinct MicroRNA Expression Patterns** *PLOS ONE*
Razak, S. R., Ueno, K., Takayama, N., Nariai, N., Nagasaki, M., Saito, R., Koso, H., Lai, C., Murakami, M., Tsuji, K., Michiue, T., Nakauchi, H., Otsu, et al
2013; 8 (9)
- **Generation of Col2a1-EGFP iPS Cells for Monitoring Chondrogenic Differentiation** *PLOS ONE*
Saito, T., Yano, F., Mori, D., Ohba, S., Hojo, H., Otsu, M., Eto, K., Nakauchi, H., Tanaka, S., Chung, U., Kawaguchi, H.
2013; 8 (9)
- **Congenital amegakaryocytic thrombocytopenia iPS cells exhibit defective MPL-mediated signaling** *JOURNAL OF CLINICAL INVESTIGATION*
Hirata, S., Takayama, N., Jono-Ohnishi, R., Endo, H., Nakamura, S., Dohda, T., Nishi, M., Hamazaki, Y., Ishii, E., Kaneko, S., Otsu, M., Nakauchi, H., Kunishima, et al
2013; 123 (9): 3802-3814
- **Two differential flows in a bioreactor promoted platelet generation from human pluripotent stem cell-derived megakaryocytes** *EXPERIMENTAL HEMATOLOGY*
Nakagawa, Y., Nakamura, S., Nakajima, M., Endo, H., Dohda, T., Takayama, N., Nakauchi, H., Arai, F., Fukuda, T., Eto, K.
2013; 41 (8): 742-748
- **An In Vitro Expansion System for Generation of Human iPS Cell-Derived Hepatic Progenitor-Like Cells Exhibiting a Bipotent Differentiation Potential** *PLOS ONE*
Yanagida, A., Ito, K., Chikada, H., Nakauchi, H., Kamiya, A.
2013; 8 (7)
- **Generation of Engraftable Hematopoietic Stem Cells From Induced Pluripotent Stem Cells by Way of Teratoma Formation** *MOLECULAR THERAPY*
Suzuki, N., Yamazaki, S., Yamaguchi, T., Okabe, M., Masaki, H., Takaki, S., Otsu, M., Nakauchi, H.
2013; 21 (7): 1424-1431

- **Generation of transgenic mouse line expressing Kusabira Orange throughout body, including erythrocytes, by random segregation of provirus method** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Hamanaka, S., Oeohara, J., Morita, Y., Ema, H., Takahashi, S., Miyawaki, A., Otsu, M., Yamaguchi, T., Onodera, M., Nakauchi, H.
2013; 435 (4): 586-591
- **Wnt5a signaling mediates biliary differentiation of fetal hepatic stem/progenitor cells in mice** *HEPATOLOGY*
Kiyohashi, K., Kakinuma, S., Kamiya, A., Sakamoto, N., Nitta, S., Yamanaka, H., Yoshino, K., Fujiki, J., Murakawa, M., Kusano-Kitazume, A., Shimizu, H., Okamoto, R., Azuma, et al
2013; 57 (6): 2502-2513
- **Sal-like protein 4 (SALL4), a stem cell biomarker in liver cancers** *HEPATOLOGY*
Oikawa, T., Kamiya, A., Zeniya, M., Chikada, H., Hyuck, A. D., Yamazaki, Y., Wauthier, E., Tajiri, H., Miller, L. D., Wang, X. W., Reid, L. M., Nakauchi, H.
2013; 57 (4): 1469-1483
- **A retrospective analysis of germline competence in rat embryonic stem cell lines** *TRANSGENIC RESEARCH*
Hirabayashi, M., Tamura, C., Sanbo, M., Kato-Itoh, M., Kobayashi, T., Nakauchi, H., Hochi, S.
2013; 22 (2): 411-416
- **Wnt3a stimulates maturation of impaired neutrophils developed from severe congenital neutropenia patient-derived pluripotent stem cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Hiramoto, T., Ebihara, Y., Mizoguchi, Y., Nakamura, K., Yamaguchi, K., Ueno, K., Nariai, N., Mochizuki, S., Yamamoto, S., Nagasaki, M., Furukawa, Y., Tani, K., Nakauchi, et al
2013; 110 (8): 3023-3028
- **The early retinal progenitor-expressed gene Sox11 regulates the timing of the differentiation of retinal cells** *DEVELOPMENT*
Usui, A., Mochizuki, Y., Iida, A., Miyauchi, E., Satoh, S., Sock, E., Nakauchi, H., Aburatani, H., Murakami, A., Wegner, M., Watanabe, S.
2013; 140 (4): 740-750
- **Role of SOX17 in hematopoietic development from human embryonic stem cells** *BLOOD*
Nakajima-Takagi, Y., Osawa, M., Oshima, M., Takagi, H., Miyagi, S., Endoh, M., Endo, T. A., Takayama, N., Eto, K., Toyoda, T., Koseki, H., Nakauchi, H., Iwama, et al
2013; 121 (3): 447-458
- **Stem cell therapy: an exercise in patience and prudence** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Lin, H., Otsu, M., Nakauchi, H.
2013; 368 (1609)
- **Do pluripotent stem cells exist in adult mice as very small embryonic stem cells?** *Stem cell reports*
Miyanishi, M., Mori, Y., Seita, J., Chen, J. Y., Karten, S., Chan, C. K., Nakauchi, H., Weissman, I. L.
2013; 1 (2): 198-208
- **Enrichment and clonal culture of hepatic stem/progenitor cells during mouse liver development.** *Methods in molecular biology (Clifton, N.J.)*
Kamiya, A., Nakauchi, H.
2013; 945: 273-286
- **Mesenchymal progenitor cells in mouse foetal liver regulate differentiation and proliferation of hepatoblasts.** *Liver international : official journal of the International Association for the Study of the Liver*
Ito, K., Yanagida, A., Okada, K., Yamazaki, Y., Nakauchi, H., Kamiya, A.
2013
- **Rapid T-cell chimerism switch and memory T-cell expansion are associated with pre-engraftment immune reaction early after cord blood transplantation** *BRITISH JOURNAL OF HAEMATOLOGY*
Matsuno, N., Yamamoto, H., Watanabe, N., Uchida, N., Ota, H., Nishida, A., Ikebe, T., Ishiwata, K., Nakano, N., Tsuji, M., Asano-Mori, Y., Izutsu, K., Masuoka, et al
2013; 160 (2): 255-258
- **Identification of Rat Rosa26 Locus Enables Generation of Knock-In Rat Lines Ubiquitously Expressing tdTomato** *STEM CELLS AND DEVELOPMENT*
Kobayashi, T., Kato-Itoh, M., Yamaguchi, T., Tamura, C., Sanbo, M., Hirabayashi, M., Nakauchi, H.
2012; 21 (16): 2981-2986
- **Development of an All-in-One Inducible Lentiviral Vector for Gene Specific Analysis of Reprogramming** *PLOS ONE*

- Yamaguchi, T., Hamanaka, S., Kamiya, A., Okabe, M., Kawarai, M., Wakiyama, Y., Umino, A., Hayama, T., Sato, H., Lee, Y., Kato-Itoh, M., Masaki, H., Kobayashi, et al
2012; 7 (7)
- **Inhibition of PAI-1 induces neutrophil-driven neoangiogenesis and promotes tissue regeneration via production of angiocrine factors in mice** *BLOOD*
Tashiro, Y., Nishida, C., Sato-Kusubata, K., Ohki-Koizumi, M., Ishihara, M., Sato, A., Gritli, I., Komiyama, H., Sato, Y., Dan, T., Miyata, T., Okumura, K., Tomiki, et al
2012; 119 (26): 6382-6393
 - **Generation of induced pluripotent stem cells from primary chronic myelogenous leukemia patient samples** *BLOOD*
Kumano, K., Arai, S., Hosoi, M., Taoka, K., Takayama, N., Otsu, M., Nagae, G., Ueda, K., Nakazaki, K., Kamikubo, Y., Eto, K., Aburatani, H., Nakauchi, et al
2012; 119 (26): 6234-6242
 - **MT1-MMP plays a critical role in hematopoiesis by regulating HIF-mediated chemokine/cytokine gene transcription within niche cells** *BLOOD*
Nishida, C., Kusubata, K., Tashiro, Y., Gritli, I., Sato, A., Ohki-Koizumi, M., Morita, Y., Nagano, M., Sakamoto, T., Koshikawa, N., Kuchimaru, T., Kizaka-Kondoh, S., Seiki, et al
2012; 119 (23): 5405-5416
 - **The creation of transgenic pigs expressing human proteins using BAC-derived, full-length genes and intracytoplasmic sperm injection-mediated gene transfer** *TRANSGENIC RESEARCH*
Watanabe, M., Kurome, M., Matsunari, H., Nakano, K., Umeyama, K., Shiota, A., Nakauchi, H., Nagashima, H.
2012; 21 (3): 605-618
 - **Ability of tetraploid rat blastocysts to support fetal development after complementation with embryonic stem cells** *MOLECULAR REPRODUCTION AND DEVELOPMENT*
Hirabayashi, M., Tamura, C., Sanbo, M., Goto, T., Kato-Itoh, M., Kobayashi, T., Nakauchi, H., Hochi, S.
2012; 79 (6): 402-412
 - **Generation of Kidney from Pluripotent Stem Cells via Blastocyst Complementation** *AMERICAN JOURNAL OF PATHOLOGY*
Usui, J., Kobayashi, T., Yamaguchi, T., Knisely, A. S., Nishinakamura, R., Nakauchi, H.
2012; 180 (6): 2417-2426
 - **Bmi1 Confers Resistance to Oxidative Stress on Hematopoietic Stem Cells** *PLOS ONE*
Nakamura, S., Oshima, M., Yuan, J., Saraya, A., Miyagi, S., Konuma, T., Yamazaki, S., Osawa, M., Nakauchi, H., Koseki, H., Iwama, A.
2012; 7 (5)
 - **Highly Efficient Generation of Definitive Endoderm Lineage from Human Induced Pluripotent Stem Cells** *12th Congress of the Asian-Society-of-Transplantation (AST)*
Sekine, K., Takebe, T., Suzuki, Y., Kamiya, A., Nakauchi, H., Taniguchi, H.
ELSEVIER SCIENCE INC.2012: 1127-29
 - **Prospective Isolation and Characterization of Bipotent Progenitor Cells in Early Mouse Liver Development** *STEM CELLS AND DEVELOPMENT*
Okada, K., Kamiya, A., Ito, K., Yanagida, A., Ito, H., Kondou, H., Nishina, H., Nakauchi, H.
2012; 21 (7): 1124-1133
 - **Distinct B-cell lineage commitment distinguishes adult bone marrow hematopoietic stem cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ghosn, E. E., Yamamoto, R., Hamanaka, S., Yang, Y., Herzenberg, L. A., Nakauchi, H., Herzenberg, L. A.
2012; 109 (14): 5394-5398
 - **In vitro expansion and functional recovery of mature hepatocytes from mouse adult liver** *LIVER INTERNATIONAL*
Ito, H., Kamiya, A., Ito, K., Yanagida, A., Okada, K., Nakauchi, H.
2012; 32 (4): 592-601
 - **[Utilization of the ES/iPS cell technology for hematopoietic stem cell transplantation].** *Nihon rinsho. Japanese journal of clinical medicine*
Otsu, M., Nakauchi, H.
2012; 70: 146-150
 - **Lethal myelofibrosis induced by Bmi1-deficient hematopoietic cells unveils a tumor suppressor function of the polycomb group genes** *JOURNAL OF EXPERIMENTAL MEDICINE*
Oguro, H., Yuan, J., Tanaka, S., Miyagi, S., Mochizuki-Kashio, M., Ichikawa, H., Yamazaki, S., Koseki, H., Nakauchi, H., Iwama, A.

2012; 209 (3): 445-454

- **A Differentiation Checkpoint Limits Hematopoietic Stem Cell Self-Renewal in Response to DNA Damage** *CELL*
Wang, J., Sun, Q., Morita, Y., Jiang, H., Gross, A., Lechel, A., Hildner, K., Guachalla, L. M., Gompf, A., Hartmann, D., Schambach, A., Wuestefeld, T., Dauch, et al
2012; 148 (5): 1001-1014
- **Characterization of the ICSI-mediated gene transfer method in the production of transgenic pigs** *MOLECULAR REPRODUCTION AND DEVELOPMENT*
Umeyama, K., Saito, H., Kurome, M., Matsunari, H., Watanabe, M., Nakauchi, H., Nagashima, H.
2012; 79 (3): 218-228
- **In vivo imaging visualizes discoid platelet aggregations without endothelium disruption and implicates contribution of inflammatory cytokine and integrin signaling** *BLOOD*
Nishimura, S., Manabe, I., Nagasaki, M., Kakuta, S., Iwakura, Y., Takayama, N., Ooehara, J., Otsu, M., Kamiya, A., Petrich, B. G., Urano, T., Kadono, T., Sato, et al
2012; 119 (8): E45-E56
- **Plasminogen deficiency attenuates postnatal erythropoiesis in male C57BL/6 mice through decreased activity of the LH-testosterone axis** *EXPERIMENTAL HEMATOLOGY*
Okaji, Y., Tashiro, Y., Gritli, I., Nishida, C., Sato, A., Ueno, Y., Gonzalez, S. D., Ohki-Koizumi, M., Akiyama, H., Nakauchi, H., Hattori, K., Heissig, B.
2012; 40 (2): 143-154
- **Plasmin inhibitor reduces T-cell lymphoid tumor growth by suppressing matrix metalloproteinase-9-dependent CD11b(+)/F4/80(+) myeloid cell recruitment** *LEUKEMIA*
Ishihara, M., Nishida, C., Tashiro, Y., Gritli, I., Rosenkvist, J., Koizumi, M., Okaji, Y., Yamamoto, R., Yagita, H., Okumura, K., Nishikori, M., Wanaka, K., Tsuda, et al
2012; 26 (2): 332-339
- **Homeostasis of hematopoietic stem cells regulated by the myeloproliferative disease associated-gene product Lnk/Sh2b3 via Bcl-xL** *EXPERIMENTAL HEMATOLOGY*
Suzuki, N., Yamazaki, S., Ema, H., Yamaguchi, T., Nakauchi, H., Takaki, S.
2012; 40 (2): 166-174
- **Integrin-alpha v beta 3 regulates thrombopoietin-mediated maintenance of hematopoietic stem cells** *BLOOD*
Umemoto, T., Yamato, M., Ishihara, J., Shiratsuchi, Y., Utsumi, M., Morita, Y., Tsukui, H., Terasawa, M., Shibata, T., Nishida, K., Kobayashi, Y., Petrich, B. G., Nakauchi, et al
2012; 119 (1): 83-94
- **Serine/threonine kinase, Melk, regulates proliferation and glial differentiation of retinal progenitor cells** *CANCER SCIENCE*
Saito, R., Nakauchi, H., Watanabe, S.
2012; 103 (1): 42-49
- **[Potential usefulness of human iPS cells on the generation of platelets].** *Nihon rinsho. Japanese journal of clinical medicine*
Takayama, N., Eto, K., Nakauchi, H.
2011; 69 (12): 2161-2165
- **The role of Zic family zinc finger transcription factors in the proliferation and differentiation of retinal progenitor cells** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Watabe, Y., Baba, Y., Nakauchi, H., Mizota, A., Watanabe, S.
2011; 415 (1): 42-47
- **Frequent pathway mutations of splicing machinery in myelodysplasia** *NATURE*
Yoshida, K., Sanada, M., Shiraishi, Y., Nowak, D., Nagata, Y., Yamamoto, R., Sato, Y., Sato-Otsubo, A., Kon, A., Nagasaki, M., Chalkidis, G., Suzuki, Y., Shiosaka, et al
2011; 478 (7367): 64-69
- **Ex Vivo Expansion of Human Hematopoietic Stem Cells by Garcinol, a Potent Inhibitor of Histone Acetyltransferase** *PLOS ONE*
Nishino, T., Wang, C., Mochizuki-Kashio, M., Osawa, M., Nakauchi, H., Iwama, A.
2011; 6 (9)
- **Growth promotion of genetically modified hematopoietic progenitors using an antibody/c-Mpl chimera** *CYTOKINE*
Kawahara, M., Chen, J., Sogo, T., Teng, J., Otsu, M., Onodera, M., Nakauchi, H., Ueda, H., Nagamune, T.

2011; 55 (3): 402-408

- **Generation of Germline-Competent Rat Induced Pluripotent Stem Cells** *PLOS ONE*
Hamanaka, S., Yamaguchi, T., Kobayashi, T., Kato-Itoh, M., Yamazaki, S., Sato, H., Umino, A., Wakiyama, Y., Arai, M., Sanbo, M., Hirabayashi, M., Nakauchi, H.
2011; 6 (7)
- **Minimum requirement of donor cells to reduce the glycolipid storage following bone marrow transplantation in a murine model of Fabry disease** *JOURNAL OF GENE MEDICINE*
Yokoi, T., Kobayashi, H., Shimada, Y., Eto, Y., Ishige, N., Kitagawa, T., Otsu, M., Nakauchi, H., Ida, H., Ohashi, T.
2011; 13 (5): 262-268
- **Cholestatic liver fibrosis and toxin-induced fibrosis are exacerbated in matrix metalloproteinase-2 deficient mice** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Onozuka, I., Kakinuma, S., Kamiya, A., Miyoshi, M., Sakamoto, N., Kiyohashi, K., Watanabe, T., Funaoka, Y., Ueyama, M., Nakagawa, M., Koshikawa, N., Seiki, M., Nakauchi, et al
2011; 406 (1): 134-140
- **Functional characterization of hematopoietic stem cells in the spleen** *EXPERIMENTAL HEMATOLOGY*
Morita, Y., Iseki, A., Okamura, S., Suzuki, S., Nakauchi, H., Ema, H.
2011; 39 (3): 351-359
- **Hair Follicle Stem Cells Provide a Functional Niche for Melanocyte Stem Cells** *CELL STEM CELL*
Tanimura, S., Tadokoro, Y., Inomata, K., Nguyen Thanh Binh, T. B., Nishie, W., Yamazaki, S., Nakauchi, H., Tanaka, Y., McMillan, J. R., Sawamura, D., Yancey, K., Shimizu, H., Nishimura, et al
2011; 8 (2): 177-187
- **Development of Defective and Persistent Sendai Virus Vector A UNIQUE GENE DELIVERY/EXPRESSION SYSTEM IDEAL FOR CELL REPROGRAMMING** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Nishimura, K., Sano, M., Ohtaka, M., Furuta, B., Umemura, Y., Nakajima, Y., Ikehara, Y., Kobayashi, T., Segawa, H., Takayasu, S., Sato, H., Motomura, K., Uchida, et al
2011; 286 (6): 4760-4771
- **Transient activation of c-MYC expression is critical for efficient platelet generation from human induced pluripotent stem cells** *JOURNAL OF EXPERIMENTAL MEDICINE*
Takayama, N., Nishimura, S., Nakamura, S., Shimizu, T., Ohnishi, R., Endo, H., Yamaguchi, T., Otsu, M., Nishimura, K., Nakanishi, M., Sawaguchi, A., Nagai, R., Takahashi, et al
2010; 207 (13): 2817-2830
- **Reduction of N-Glycolylneuraminic Acid in Human Induced Pluripotent Stem Cells Generated or Cultured under Feeder- and Serum-Free Defined Conditions** *PLOS ONE*
Hayashi, Y., Chan, T., Warashina, M., Fukuda, M., Ariizumi, T., Okabayashi, K., Takayama, N., Otsu, M., Eto, K., Furue, M. K., Michiue, T., Ohnuma, K., Nakauchi, et al
2010; 5 (11)
- **Knockout of exogenous EGFP gene in porcine somatic cells using zinc-finger nucleases** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Watanabe, M., Umeyama, K., Matsunari, H., Takayanagi, S., Haruyama, E., Nakano, K., Fujiwara, T., Ikezawa, Y., Nakauchi, H., Nagashima, H.
2010; 402 (1): 14-18
- **Mice lacking Dok-1, Dok-2, and Dok-3 succumb to aggressive histiocytic sarcoma** *LABORATORY INVESTIGATION*
Mashima, R., Honda, K., Yang, Y., Morita, Y., Inoue, A., Arimura, S., Nishina, H., Ema, H., Nakauchi, H., Seed, B., Oda, H., Yamanashi, Y.
2010; 90 (9): 1357-1364
- **Bmi1 Promotes Hepatic Stem Cell Expansion and Tumorigenicity in Both Ink4a/Arf-Dependent and -Independent Manners in Mice** *HEPATOLOGY*
Chiba, T., Seki, A., Aoki, R., Ichikawa, H., Negishi, M., Miyagi, S., Oguro, H., Saraya, A., Kamiya, A., Nakauchi, H., Yokosuka, O., Iwama, A.
2010; 52 (3): 1111-1123
- **FET family proto-oncogene Fus contributes to self-renewal of hematopoietic stem cells** *EXPERIMENTAL HEMATOLOGY*
Sugawara, T., Oguro, H., Negishi, M., Morita, Y., Ichikawa, H., Iseki, T., Yokosuka, O., Nakauchi, H., Iwama, A.
2010; 38 (8): 696-706

- **Deregulated Intracellular Signaling by Mutated c-CBL in Myeloid Neoplasms** *CLINICAL CANCER RESEARCH*
Ogawa, S., Shih, L., Suzuki, T., Otsu, M., Nakauchi, H., Koeffler, H. P., Sanada, M.
2010; 16 (15): 3825-3831
- **Downregulation of ZEB1 and overexpression of Smad7 contribute to resistance to TGF-beta 1-mediated growth suppression in adult T-cell leukemia/lymphoma** *ONCOGENE*
Nakahata, S., Yamazaki, S., Nakauchi, H., Morishita, K.
2010; 29 (29): 4157-4169
- **Reprogramming adult hematopoietic cells** *CURRENT OPINION IN HEMATOLOGY*
Kaneko, S., Otsu, M., Nakauchi, H.
2010; 17 (4): 271-275
- **Heterogeneity and hierarchy within the most primitive hematopoietic stem cell compartment** *JOURNAL OF EXPERIMENTAL MEDICINE*
Morita, Y., Ema, H., Nakauchi, H.
2010; 207 (6): 1173-1182
- **Rat Transgenesis Via Embryonic Stem Cells Electroporated With the Kusabira-Orange Gene** *MOLECULAR REPRODUCTION AND DEVELOPMENT*
Hirabayashi, M., Kato, M., Sanbo, M., Kobayashi, T., Hochi, S., Nakauchi, H.
2010; 77 (6): 474-474
- **Tissue type plasminogen activator regulates myeloid-cell dependent neoangiogenesis during tissue regeneration** *BLOOD*
Ohki, M., Ohki, Y., Ishihara, M., Nishida, C., Tashiro, Y., Akiyama, H., Komiyama, H., Lund, L. R., Nitta, A., Yamada, K., Zhu, Z., Ogawa, H., Yagita, et al
2010; 115 (21): 4302-4312
- **Gain-of-function c-CBL mutations associated with uniparental disomy of 11q in myeloid neoplasms** *CELL CYCLE*
Ogawa, S., Sanada, M., Shih, L., Suzuki, T., Otsu, M., Nakauchi, H., Koeffler, H. P.
2010; 9 (6): 1051-1056
- **Poised Lineage Specification in Multipotential Hematopoietic Stem and Progenitor Cells by the Polycomb Protein Bmi1** *CELL STEM CELL*
Oguro, H., Yuan, J., Ichikawa, H., Ikawa, T., Yamazaki, S., Kawamoto, H., Nakauchi, H., Iwama, A.
2010; 6 (3): 279-286
- **Establishment of Rat Embryonic Stem Cell Lines That Can Participate in Germline Chimerae at High Efficiency** *MOLECULAR REPRODUCTION AND DEVELOPMENT*
Hirabayashi, M., Kato, M., Kobayashi, T., Sanbo, M., Yagi, T., Hochi, S., Nakauchi, H.
2010; 77 (2): 94-94
- **Cardiac mast cells cause atrial fibrillation through PDGF-A-mediated fibrosis in pressure-overloaded mouse hearts** *JOURNAL OF CLINICAL INVESTIGATION*
Liao, C., Akazawa, H., Tamagawa, M., Ito, K., Yasuda, N., Kudo, Y., Yamamoto, R., Ozasa, Y., Fujimoto, M., Wang, P., Nakauchi, H., Nakaya, H., Komuro, et al
2010; 120 (1): 242-253
- **Lnk regulates integrin alpha IIb beta 3 outside-in signaling in mouse platelets, leading to stabilization of thrombus development in vivo** *JOURNAL OF CLINICAL INVESTIGATION*
Takizawa, H., Nishimura, S., Takayama, N., Oda, A., Nishikii, H., Morita, Y., Kakinuma, S., Yamazaki, S., Okamura, S., Tamura, N., Goto, S., Sawaguchi, A., Manabe, et al
2010; 120 (1): 179-190
- **Ex vivo expansion of human hematopoietic stem cells by a small-molecule agonist of c-MPL** *EXPERIMENTAL HEMATOLOGY*
Nishino, T., Miyaji, K., Ishiwata, N., Arai, K., Yui, M., Asai, Y., Nakauchi, H., Iwama, A.
2009; 37 (11): 1364-1377
- **Enrichment and Clonal Culture of Progenitor Cells During Mouse Postnatal Liver Development in Mice** *GASTROENTEROLOGY*
Kamiya, A., Kakinuma, S., Yamazaki, Y., Nakauchi, H.
2009; 137 (3): 1114-1126
- **Comparison of mesenchymal stem cells derived from arterial, venous, and Wharton's jelly explants of human umbilical cord** *INTERNATIONAL JOURNAL OF HEMATOLOGY*
Ishige, I., Nagamura-Inoue, T., Honda, M. J., Harnprasopwat, R., Kido, M., Sugimoto, M., Nakauchi, H., Tojo, A.

2009; 90 (2): 261-269

- **Definitive proof for direct reprogramming of hematopoietic cells to pluripotency** *BLOOD*
Okabe, M., Otsu, M., Ahn, D. H., Kobayashi, T., Morita, Y., Wakiyama, Y., Onodera, M., Eto, K., Ema, H., Nakauchi, H.
2009; 114 (9): 1764-1767
- **Gain-of-function of mutated C-CBL tumour suppressor in myeloid neoplasms** *NATURE*
Sanada, M., Suzuki, T., Shih, L., Otsu, M., Kato, M., Yamazaki, S., Tamura, A., Honda, H., Sakata-Yanagimoto, M., Kumano, K., Oda, H., Yamagata, T., Takita, et al
2009; 460 (7257): 904-U145
- **Tumor Suppression by Phospholipase C-beta 3 via SHP-1-Mediated Dephosphorylation of Stat5** *CANCER CELL*
Xiao, W., Hong, H., Kawakami, Y., Kato, Y., Wu, D., Yasudo, H., Kimura, A., Kubagawa, H., Bertoli, L. F., Davis, R. S., Chau, L. A., Madrenas, J., Hsia, et al
2009; 16 (2): 161-171
- **Analyses of cell surface molecules on hepatic stem/progenitor cells in mouse fetal liver** *JOURNAL OF HEPATOLOGY*
Kakinuma, S., Ohta, H., Kamiya, A., Yamazaki, Y., Oikawa, T., Okada, K., Nakauchi, H.
2009; 51 (1): 127-138
- **Insights into signaling and function of hematopoietic stem cells at the single-cell level** *CURRENT OPINION IN HEMATOLOGY*
Yamazaki, S., Nakauchi, H.
2009; 16 (4): 255-258
- **T cell growth control using hapten-specific antibody/interleukin-2 receptor chimera** *CYTOKINE*
Sogo, T., Kawahara, M., Ueda, H., Otsu, M., Onodera, M., Nakauchi, H., Nagamune, T.
2009; 46 (1): 127-136
- **A rapid and efficient strategy to generate allele-specific anti-HLA monoclonal antibodies** *JOURNAL OF IMMUNOLOGICAL METHODS*
Yamazaki, S., Suzuki, N., Saito, T., Ishii, Y., Takiguchi, M., Nakauchi, H., Watanabe, N.
2009; 343 (1): 56-60
- **Stepwise Development of Hematopoietic Stem Cells from Embryonic Stem Cells** *PLOS ONE*
Matsumoto, K., Isagawa, T., Nishimura, T., Ogaeri, T., Eto, K., Miyazaki, S., Miyazaki, J., Aburatani, H., Nakauchi, H., Ema, H.
2009; 4 (3)
- **Hepatic stem/progenitor cells and stem-cell transplantation for the treatment of liver disease** *JOURNAL OF GASTROENTEROLOGY*
Kakinuma, S., Nakauchi, H., Watanabe, M.
2009; 44 (3): 167-172
- **Sall4 Regulates Cell Fate Decision in Fetal Hepatic Stem/Progenitor Cells** *GASTROENTEROLOGY*
Oikawa, T., Kamiya, A., Kakinuma, S., Zeniya, M., Nishinakamura, R., Tajiri, H., Nakauchi, H.
2009; 136 (3): 1000-1011
- **TGF-beta as a candidate bone marrow niche signal to induce hematopoietic stem cell hibernation** *BLOOD*
Yamazaki, S., Iwama, A., Takayanagi, S., Eto, K., Ema, H., Nakauchi, H.
2009; 113 (6): 1250-1256
- **Transcriptional profiling of hematopoietic stem cells by high-throughput sequencing** *INTERNATIONAL JOURNAL OF HEMATOLOGY*
Yashiro, Y., Bannai, H., Minowa, T., Yabiku, T., Miyano, S., Osawa, M., Iwama, A., Nakauchi, H.
2009; 89 (1): 24-33
- **The Actin Polymerization Regulator WAVE2 Is Required for Early Bone Marrow Repopulation by Hematopoietic Stem Cells** *STEM CELLS*
Ogaeri, T., Eto, K., Otsu, M., Ema, H., Nakauchi, H.
2009; 27 (5): 1120-1129
- **New ISSCR Guidelines Underscore Major Principles for Responsible Translational Stem Cell Research** *CELL STEM CELL*
Hyun, I., Lindvall, O., Ahrlund-Richter, L., Cattaneo, E., Cavazzana-Calvo, M., Cossu, G., De Luca, M., Fox, I. J., Gerstle, C., Goldstein, R. A., Hermeren, G., High, K. A., Kim, et al
2008; 3 (6): 607-609
- **Flow Cytometric Isolation and Clonal Identification of Self-Renewing Bipotent Hepatic Progenitor Cells in Adult Mouse Liver** *HEPATOLOGY*

- Suzuki, A., Sekiya, S., Onishi, M., Oshima, N., Kiyonari, H., Nakauchi, H., Taniguchi, H.
2008; 48 (6): 1964-1978
- **The polycomb gene product BMI1 contributes to the maintenance of tumor-initiating side population cells in hepatocellular carcinoma** *CANCER RESEARCH*
Chiba, T., Miyagi, S., Saraya, A., Aoki, R., Seki, A., Morita, Y., Yonemitsu, Y., Yokosuka, O., Taniguchi, H., Nakauchi, H., Iwama, A.
2008; 68 (19): 7742-7749
 - **Generation of functional erythrocytes from human embryonic stem cell-derived definitive hematopoiesis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ma, F., Ebihara, Y., Umeda, K., Sakai, H., Hanada, S., Zhang, H., Zaike, Y., Tsuchida, E., Nakahata, T., Nakauchi, H., Tsuji, K.
2008; 105 (35): 13087-13092
 - **A new red fluorescent protein that allows efficient marking of murine hematopoietic stem cells** *JOURNAL OF GENE MEDICINE*
Sanuki, S., Hamanaka, S., Kaneko, S., Otsu, M., Karasawa, S., Miyawaki, A., Nakauchi, H., Nagasawa, T., Onodera, M.
2008; 10 (9): 965-971
 - **Metalloproteinase regulation improves in vitro generation of efficacious platelets from mouse embryonic stem cells** *JOURNAL OF EXPERIMENTAL MEDICINE*
Nishikii, H., Eto, K., Tamura, N., Hattori, K., Heissig, B., Kanaji, T., Sawaguchi, A., Goto, S., Ware, J., Nakauchi, H.
2008; 205 (8): 1917-1927
 - **Prospero-related homeobox 1 and liver receptor homolog 1 coordinately regulate long-term proliferation of murine fetal hepatoblasts** *HEPATOLOGY*
Kamiya, A., Kakinuma, S., Onodera, M., Miyajima, A., Nakauchi, H.
2008; 48 (1): 252-264
 - **Transporter-mediated protection against thiopurine-induced hematopoietic toxicity** *CANCER RESEARCH*
Krishnamurthy, P., Schwab, M., Takenaka, K., Nachagari, D., Morgan, J., Leslie, M., Du, W., Boyd, K., Cheok, M., Nakauchi, H., Marzolini, C., Kim, R. B., Poonkuzhali, et al
2008; 68 (13): 4983-4989
 - **Growth and maturation of megakaryocytes is regulated by Lnk/Sh2b3 adaptor protein through crosstalk between cytokine- and integrin-mediated signals** *EXPERIMENTAL HEMATOLOGY*
Takizawa, H., Eto, K., Yoshikawa, A., Nakauchi, H., Takatsu, K., Takaki, S.
2008; 36 (7): 897-906
 - **Bloodlines of haematopoietic stem cell research in Japan** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Ema, H., Nakauchi, H.
2008; 363 (1500): 2089-2097
 - **Generation of functional platelets from human embryonic stem cells in vitro via ES-sacs, VEGF-promoted structures that concentrate hematopoietic progenitors** *BLOOD*
Takayama, N., Nishikii, H., Usui, J., Tsukui, H., Sawaguchi, A., Hiroyama, T., Eto, K., Nakauchi, H.
2008; 111 (11): 5298-5306
 - **Recipient-derived cells after cord blood transplantation: Dynamics elucidated by multicolor FACS, reflecting graft failure and relapse** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
Watanabe, N., Takahashi, S., Ishige, M., Ishii, Y., Ooi, J., Tomonari, A., Tsukada, N., Konuma, T., Kato, S., Sato, A., Tojo, A., Nakauchi, H.
2008; 14 (6): 693-701
 - **An immunotherapy approach with dendritic cells genetically modified to express the tumor-associated antigen, HER2** *CANCER IMMUNOLOGY IMMUNOTHERAPY*
Nabekura, T., Nagasawa, T., Nakauchi, H., Onodera, M.
2008; 57 (5): 611-622
 - **Interleukin-27 directly induces differentiation in hematopoietic stem cells** *BLOOD*
Seita, J., Asakawa, M., Ooehara, J., Takayanagi, S., Morita, Y., Watanabe, N., Fujita, K., Kudo, M., Mizuguchi, J., Ema, H., Nakauchi, H., Yoshimoto, T.
2008; 111 (4): 1903-1912
 - **The plasminogen fibrinolytic pathway is required for hematopoietic regeneration** *CELL STEM CELL*
Heissig, B., Lund, L. R., Akiyama, H., Ohki, M., Morita, Y., Romer, J., Nakauchi, H., Okumura, K., Ogawa, H., Werb, Z., Dano, K., Hattori, K.

2007; 1 (6): 658-670

- **The WAVE2/Abi 1 complex differentially regulates megakaryocyte development and spreading: implications for platelet biogenesis and spreading machinery** *BLOOD*
Eto, K., Nishikii, H., Ogaeri, T., Suetsugu, S., Kamiya, A., Kobayashi, T., Yamazaki, D., Oda, A., Takenawa, T., Nakauchi, H.
2007; 110 (10): 3637-3647
- **Enhanced self-renewal capability in hepatic stem/progenitor cells drives cancer initiation** *GASTROENTEROLOGY*
Chiba, T., Zheng, Y., Kita, K., Yokosuka, O., Saisho, H., Onoidera, M., Miyoshi, H., Nakano, M., Zen, Y., Nakanuma, Y., Nakauchi, H., Iwama, A., Taniguchi, et al
2007; 133 (3): 937-950
- **Foxo3a is essential for maintenance of the hematopoietic stem cell pool** *CELL STEM CELL*
Miyamoto, K., Araki, K. Y., Naka, K., Arai, F., Takubo, K., Yamazaki, S., Matsuo, S., Miyamoto, T., Ito, K., Ohmura, M., Chen, C., Hosokawa, K., Nakauchi, et al
2007; 1 (1): 101-112
- **Bone marrow (BM) transplantation promotes beta-cell regeneration after acute injury through BM cell mobilization** *ENDOCRINOLOGY*
Hasegawa, Y., Ogihara, T., Yamada, T., Ishigaki, Y., Imai, J., Uno, K., Gao, J., Kaneko, K., Ishihara, H., Sasano, H., Nakauchi, H., Oka, Y., Katagiri, et al
2007; 148 (5): 2006-2015
- **De novo DNA methyltransferase is essential for self-renewal, but not for differentiation, in hematopoietic stem cells** *JOURNAL OF EXPERIMENTAL MEDICINE*
Tadokoro, Y., Ema, H., Okano, M., Li, E., Nakauchi, H.
2007; 204 (4): 715-722
- **Stable transgene expression in mice generated from retrovirally transduced embryonic stem cells** *MOLECULAR THERAPY*
Hamanaka, S., Nabekura, T., Otsu, M., Yoshida, H., Nagata, M., Usui, J., Takahashi, S., Nagasawa, T., Nakauchi, H., Onodera, M.
2007; 15 (3): 560-565
- **A human mutant CD4 molecule resistant to HIV-1 binding restores helper T-lymphocyte functions in murine CD4-deficient mice** *EXPERIMENTAL AND MOLECULAR MEDICINE*
Kim, D., Satoko, T., Shinohara, N., Nakauchi, H.
2007; 39 (1): 1-7
- **Bmi1 cooperates with Dnmt1-associated protein 1 in gene silencing** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Negishi, M., Saraya, A., Miyagi, S., Nagao, K., Inagaki, Y., Nishikawa, M., Tajima, S., Koseki, H., Tsuda, H., Takasaki, Y., Nakauchi, H., Iwama, A.
2007; 353 (4): 992-998
- **Lnk negatively regulates self-renewal of hematopoietic stem cells by modifying thrombopoietin-mediated signal transduction** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Seita, J., Ema, H., Oeohara, J., Yamazaki, S., Tadokoro, Y., Yamasaki, A., Eto, K., Takaki, S., Takatsu, K., Nakauchi, H.
2007; 104 (7): 2349-2354
- **Unique composition of polycomb repressive complex 1 in hematopoietic stem cells** *INTERNATIONAL JOURNAL OF HEMATOLOGY*
Kato, Y., Koseki, H., Vidal, M., Nakauchi, H., Iwama, A.
2007; 85 (2): 179-181
- **Cdkn1a deletion improves stem cell function and lifespan of mice with dysfunctional telomeres without accelerating cancer formation** *NATURE GENETICS*
Choudhury, A. R., Ju, Z., Djojsubroto, M. W., Schienke, A., Lechel, A., Schaetzlein, S., Jiang, H., Stepczynska, A., Wang, C., Buer, J., Lee, H., von Zglinicki, T., Ganser, et al
2007; 39 (1): 99-105
- **Cytokine signaling, lipid raft clustering, and HSC hibernation** *6th Biennial International Symposium and Workshop on Hematopoietic Stem Cells*
Yamazaki, S., Iwama, A., Morita, Y., Eto, K., Ema, H., Nakauchi, H.
BLACKWELL PUBLISHING.2007: 54-63
- **Non-side-population hematopoietic stem cells in mouse bone marrow** *BLOOD*
Morita, Y., Ema, H., Yamazaki, S., Nakauchi, H.
2006; 108 (8): 2850-2856

- **Differential impact of Ink4a and Arf on hematopoietic stem cells and their bone marrow microenvironment in Bmi1-deficient mice** *JOURNAL OF EXPERIMENTAL MEDICINE*
Oguro, H., Iwama, A., Morita, Y., Kamijo, T., van Lohuizen, M., Nakauchi, H.
2006; 203 (10): 2247-2253
- **Putative "stemness" gene Jam-b is not required for maintenance of stem cell state in embryonic, neural, or hematopoietic stem cells** *MOLECULAR AND CELLULAR BIOLOGY*
Sakaguchi, T., Nishimoto, M., Miyagi, S., Iwama, A., Morita, Y., Iwamori, N., Nakauchi, H., Kiyonari, H., Muramatsu, M., Okuda, A.
2006; 26 (17): 6557-6570
- **Cytokine signals modulated via lipid rafts mimic niche signals and induce hibernation in hematopoietic stem cells** *EMBO JOURNAL*
Yamazaki, S., Iwama, A., Takayanagi, S., Morita, Y., Eto, K., Ema, H., Nakauchi, H.
2006; 25 (15): 3515-3523
- **Discordant developmental waves of angioblasts and hemangioblasts in the early gastrulating mouse embryo** *DEVELOPMENT*
Furuta, C., Ema, H., Takayanagi, S., Ogaeri, T., Okamura, D., Matsui, Y., Nakauchi, H.
2006; 133 (14): 2771-2779
- **Side population purified from hepatocellular carcinoma cells harbors cancer stem cell-like properties** *HEPATOLOGY*
Chiba, T., Kita, K., Zheng, Y., Yokosuka, O., Saisho, H., Iwama, A., Nakauchi, H., Taniguchi, H.
2006; 44 (1): 240-251
- **Genetic marking of hematopoietic stem and endothelial cells: identification of the Tmstp gene encoding a novel cell surface protein with the thrombospondin-1 domain** *BLOOD*
Takayanagi, S., Hiroyama, T., Yamazaki, S., Nakajima, T., Morita, Y., Usui, J., Eto, K., Motohashi, T., Shiomi, K., Keino-Masu, K., Masu, M., Oike, Y., Mori, et al
2006; 107 (11): 4317-4325
- **A carbohydrate-binding protein, Galectin-1, promotes proliferation of adult neural stem cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Sakaguchi, M., Shingo, T., Shimazaki, T., Okano, H. J., Shiwa, M., Ishibashi, S., Oguro, H., Ninomiya, M., Kadoya, T., Horie, H., Shibuya, A., Mizusawa, H., Poirier, et al
2006; 103 (18): 7112-7117
- **Identification and differentiation of hepatic stem cells during liver development** *FRONTIERS IN BIOSCIENCE-LANDMARK*
Kamiya, A., Gonzalez, F. J., Nakauchi, H.
2006; 11: 1302-1310
- **A role for PKC theta in outside-in alpha(IIb)beta(3) signaling** *JOURNAL OF THROMBOSIS AND HAEMOSTASIS*
Soriani, A., Moran, B., de Virgilio, M., Kawakami, T., Altman, A., Lowell, C., Eto, K., Shattil, S. J.
2006; 4 (3): 648-655
- **Potent vaccine therapy with dendritic cells genetically modified by the gene-silencing-resistant retroviral vector GCDNsap** *MOLECULAR THERAPY*
Nabekura, T., Otsu, M., Nagasawa, T., Nakauchi, H., Onodera, M.
2006; 13 (2): 301-309
- **Adult mouse hematopoietic stem cells: purification and single-cell assays** *NATURE PROTOCOLS*
Ema, H., Morita, Y., Yamazaki, S., Matsubara, A., Seita, J., Tadokoro, Y., Kondo, H., Takano, H., Nakauchi, H.
2006; 1 (6): 2979-2987
- **Endomucin, a CD34-like sialomucin, marks hematopoietic stem cells throughout development** *JOURNAL OF EXPERIMENTAL MEDICINE*
Matsubara, A., Iwama, A., Yamazaki, S., Furuta, C., Hirasawa, R., Morita, Y., Osawa, M., Motohashi, T., Eto, K., Ema, H., Kitamura, T., VESTWEBER, D., Nakauchi, et al
2005; 202 (11): 1483-1492
- **Identification of immature podocyte specific antigen using retrovirus-mediated gene transfer and cell sorting.** *Clinical and experimental nephrology*
Usui, J., Osawa, M., Yamazaki, S., Morita, Y., Koyama, A., Nakauchi, H.
2005; 9 (4): 292-296
- **The transcriptional landscape of the mammalian genome** *SCIENCE*

- Carninci, P., Kasukawa, T., Katayama, S., Gough, J., Frith, M. C., Maeda, N., Oyama, R., Ravasi, T., Lenhard, B., Wells, C., Kodzius, R., Shimokawa, K., Bajic, et al
2005; 309 (5740): 1559-1563
- **Selective activation of STAT5 unveils its role in stem cell self-renewal in normal and leukemic hematopoiesis** *JOURNAL OF EXPERIMENTAL MEDICINE*
Kato, Y., Iwama, A., Tadokoro, Y., Shimoda, K., Minoguchi, M., Akira, S., Tanaka, M., Miyajima, A., Kitamura, T., Nakauchi, H.
2005; 202 (1): 169-179
 - **In vivo haematopoietic potential of human neural stem cells** *BRITISH JOURNAL OF HAEMATOLOGY*
Almeida-Porada, G., Crapnell, K., Porada, C., Benoit, B., Nakauchi, H., Quesenberry, P., Zanjani, E. D.
2005; 130 (2): 276-283
 - **Parvovirus nonstructural proteins induce an epigenetic modification through histone acetylation in host genes and revert tumor malignancy to benignancy** *JOURNAL OF VIROLOGY*
Iseki, H., Shimizukawa, R., Sugiyama, F., Kunita, S., Iwama, A., Onodera, M., Nakauchi, H., Yagami, K.
2005; 79 (14): 8886-8893
 - **Isolation of murine hematopoietic stem cells and progenitor cells.** *Current protocols in immunology / edited by John E. Coligan ... [et al.]*
Ema, H., Morita, Y., Nakauchi, H., Matsuzaki, Y.
2005; Chapter 22: Unit 22B 1-?
 - **Musculin/MyoR is expressed in kidney side population cells and can regulate their function** *JOURNAL OF CELL BIOLOGY*
Hishikawa, K., Marumo, T., Miura, S., Nakanishi, A., Matsuzaki, Y., Shibata, K., Ichianagi, T., Kohike, H., Komori, T., TAKAHASHI, I., Takase, O., Imai, N., Yoshikawa, et al
2005; 169 (6): 921-928
 - **Quantification of self-renewal capacity in single hematopoietic stem cells from normal and lnk-deficient mice** *DEVELOPMENTAL CELL*
Ema, H., Sudo, K., Seita, J., Matsubara, A., Morita, Y., Osawa, M., Takatsu, K., Takaki, S., Nakauchi, H.
2005; 8 (6): 907-914
 - **Epigenetic regulation of hematopoietic stem cell self-renewal by Polycomb group genes** *INTERNATIONAL JOURNAL OF HEMATOLOGY*
Iwama, A., Oguro, H., Negishi, M., Kato, Y., Nakauchi, H.
2005; 81 (4): 294-300
 - **Leukemia inhibitory factor induces multi-lineage differentiation of adult stem-like cells in kidney via kidney-specific cadherin 16** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Hishikawa, K., Marumo, T., Miura, S., Nakanishi, A., Matsuzaki, Y., Shibata, K., Kohike, H., Komori, T., Hayashi, M., NAKAKI, T., Nakauchi, H., Okano, H., Fujita, et al
2005; 328 (1): 288-291
 - **Polycomb gene product Bmi-1 regulates stem cell self-renewal** *Workshop on Promises and Challenges of Regenerative Medicine*
Nakauchi, H., Oguro, H., Negishi, M., Iwama, A.
SPRINGER-VERLAG BERLIN.2005: 85-100
 - **An in vivo assay for retrovirally transduced human peripheral T lymphocytes using nonobese diabetic/severe combined immunodeficiency mice** *EXPERIMENTAL HEMATOLOGY*
Kaneko, S., Nagasawa, T., Nakauchi, H., Onodera, M.
2005; 33 (1): 35-41
 - **Role of Dok-1 and Dok-2 in myeloid homeostasis and suppression of leukemia** *JOURNAL OF EXPERIMENTAL MEDICINE*
Yasuda, T., Shirakata, M., Iwama, A., Ishii, A., Ebihara, Y., Osawa, M., Honda, K., Shinohara, H., Sudo, K., Tsuji, K., Nakauchi, H., Iwakura, Y., Hirai, et al
2004; 200 (12): 1681-1687
 - **Enhanced self-renewal of hematopoietic stem cells mediated by the polycomb gene product Bmi-1** *IMMUNITY*
Iwama, A., Oguro, H., Negishi, M., Kato, Y., Morita, Y., Tsukui, H., Ema, H., Kamijo, T., Katoh-Fukui, Y., Koseki, H., van Lohuizen, M., Nakauchi, H.
2004; 21 (6): 843-851
 - **Isolation and clonal characterization of hematopoietic and liver stem cells.** *Cornea*
Nakauchi, H.
2004; 23 (8): S2-7

- **Mac-1(low) early myeloid cells in the bone marrow-derived SP fraction migrate into injured skeletal muscle and participate in muscle regeneration** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Ojima, K., Uezumi, A., Miyoshi, H., Masuda, S., Morita, Y., Fukase, A., Hattori, A., Nakauchi, H., Miyagoe-Suzuki, Y., Takeda, S.
2004; 321 (4): 1050-1061
- **Prospective isolation of multipotent pancreatic progenitors using flow-cytometric cell sorting** *DIABETES*
Atsushi, S., Nakauchi, H., Taniguchi, H.
2004; 53 (8): 2143-2152
- **The Sox-2 regulatory regions display their activities in two distinct types of multipotent stem cells** *MOLECULAR AND CELLULAR BIOLOGY*
Miyagi, S., Saito, T., Mizutani, K. I., Masuyama, N., Gotoh, Y., Iwanta, A., Nakauchi, H., Masui, S., Niwa, H., Nishimoto, M., Muramatsu, M., Okuda, A.
2004; 24 (10): 4207-4220
- **Liver repopulation by c-met-positive stem/progenitor cells isolated from the developing rat liver** *HEPATO-GASTROENTEROLOGY*
Suzuki, A., Zheng, Y. W., Fukao, K., Nakauchi, H., Taniguchi, H.
2004; 51 (56): 423-426
- **Asymmetric division and lineage commitment at the level of hematopoietic stem cells: Inference from differentiation in daughter cell and granddaughter cell pairs** *JOURNAL OF EXPERIMENTAL MEDICINE*
Takano, H., Ema, H., Sudo, K., Nakauchi, H.
2004; 199 (3): 295-302
- **Conversion of biliary system to pancreatic tissue in Hes1-deficient mice** *NATURE GENETICS*
Sumazaki, R., Shiojiri, N., Isoyama, S., Masu, M., Keino-Masu, K., Osawa, M., Nakauchi, H., Kageyama, R., Matsui, A.
2004; 36 (1): 83-87
- **"Homing to niche," a new criterion for hematopoietic stem cells?** *IMMUNITY*
Ema, H., Nakauchi, H.
2004; 20 (1): 1-2
- **CD226 (DNAM-1) is involved in lymphocyte function-associated antigen 1 costimulatory signal for naive T cell differentiation and proliferation** *JOURNAL OF EXPERIMENTAL MEDICINE*
Shibuya, K., Shirakawa, J., Kameyama, T., Honda, S., Tahara-Hanaoka, S., Miyamoto, A., Onodera, M., Sumida, T., Nakauchi, H., Miyoshi, H., Shibuya, A.
2003; 198 (12): 1829-1839
- **Self-renewal and lineage restriction of hematopoietic stem cells** *CURRENT OPINION IN GENETICS & DEVELOPMENT*
Ema, H., Nakauchi, H.
2003; 13 (5): 508-512
- **CD226 mediates platelet and megakaryocytic cell adhesion to vascular endothelial cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Kojima, H., Kanada, H., Shimizu, S., Kasama, E., Shibuya, K., Nakauchi, H., Nagasawa, T., Shibuya, A.
2003; 278 (38): 36748-36753
- **Paired activating and inhibitory immunoglobulin-like receptors, MAIR-I and MAIR-II, regulate mast cell and macrophage activation** *JOURNAL OF EXPERIMENTAL MEDICINE*
Yotsumoto, K., Okoshi, Y., Shibuya, K., Yamazaki, S., Tahara-Hanaoka, S., Honda, S., Osawa, M., Kuroiwa, A., Matsuda, Y., Tenen, D. G., Iwama, A., Nakauchi, H., Shibuya, et al
2003; 198 (2): 223-233
- **Full reconstitution of hematopoietic system by murine umbilical cord blood** *TRANSPLANTATION*
Migishima, F., Oikawa, A., Kondo, S., Ema, H., Morita, Y., Nakauchi, H., Yokoyama, M., Song, S. Y., Nishijima, M., Okabe, M., Shinohara, N.
2003; 75 (11): 1820-1826
- **Role for growth factors and extracellular matrix in controlling differentiation of prospectively isolated hepatic stem cells** *DEVELOPMENT*
Suzuki, A., Iwama, A., Miyashita, H., Nakauchi, H., Taniguchi, H.
2003; 130 (11): 2513-2524
- **Targeting a complex transcriptome: The construction of the mouse full-length cDNA encyclopedia** *GENOME RESEARCH*
Carninci, P., Waki, K., Shiraki, T., Konno, H., Shibata, K., Itoh, M., Aizawa, K., Arakawa, T., Ishii, Y., Sasaki, D., Bono, H., Kondo, S., Sugahara, et al
2003; 13 (6B): 1273-1289

- **Glucagon-like peptide 1 (1-37) converts intestinal epithelial cells into insulin-producing cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Suzuki, A., Nakauchi, H., Taniguchi, H.
2003; 100 (9): 5034-5039
- **Successful multilineage engraftment of human cord blood cells in pigs after in utero transplantation.** *TRANSPLANTATION*
Fujiki, Y., Fukawa, K., Kameyama, K., Kudo, O., Onodera, M., Nakamura, Y., Yagami, K., Shiina, Y., Hamada, H., Shibuya, A., Nakauchi, H.
2003; 75 (7): 916-922
- **HES-1 preserves, purified hematopoietic stem cells ex vivo and accumulates side population cells in vivo** *BLOOD*
Kunisato, A., Chiba, S., Nakagami-Yamaguchi, E., Kumano, K., Saito, T., Masuda, S., Yamaguchi, T., Osawa, M., Kageyama, R., Nakauchi, H., Nishikawa, M., Hirai, H.
2003; 101 (5): 1777-1783
- **In vitro production of functionally mature hepatocytes from prospectively isolated hepatic stem cells** *Annual Meeting of the Japanese-Society-for-Regenerative-Medicine*
Suzuki, A., Nakauchi, H., Taniguchi, H.
COGNIZANT COMMUNICATION CORP.2003: 469-73
- **Cell cycle dependence of boron uptake from two boron compounds used for clinical neutron capture therapy** *CANCER LETTERS*
Yoshida, F., Matsumura, A., Shibata, Y., Yamamoto, T., Nakauchi, H., Okumura, M., Nose, T.
2002; 187 (1-2): 135-141
- **Identification and propagation of liver stem cells** *SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY*
Suzuki, A., Nakauchi, H.
2002; 13 (6): 455-461
- **Erythroid expansion mediated by the Gfi-1B zinc finger protein: role in normal hematopoiesis** *BLOOD*
Osawa, M., Yamaguchi, T., Nakamura, Y., Kaneko, S., Onodera, M., Sawada, K., Jegalian, A., Wu, H., Nakauchi, H., Iwama, A.
2002; 100 (8): 2769-2777
- **Essential and instructive roles of GATA factors in eosinophil development** *JOURNAL OF EXPERIMENTAL MEDICINE*
Hirasawa, R., Shimizu, R., Takahashi, S., Osawa, M., Takayanagi, S., Kato, Y., Onodera, M., Minegishi, N., Yamamoto, M., Fukao, K., Taniguchi, H., Nakauchi, H., Iwama, et al
2002; 195 (11): 1379-1386
- **Reciprocal roles for CCAAT/enhancer binding protein (C/EBP) and PU.1 transcription factors in Langerhans cell commitment** *JOURNAL OF EXPERIMENTAL MEDICINE*
Iwama, A., Osawa, M., Hirasawa, R., Uchiyama, N., Kaneko, S., Onodera, M., Shibuya, K., Shibuya, A., Vinson, C., Tenen, D. G., Nakauchi, H.
2002; 195 (5): 547-558
- **Bone marrow chimerism prevents atherosclerosis in arterial walls of mice deficient in apolipoprotein E** *ATHEROSCLEROSIS*
Sakai, Y., Kim, D. K., Iwasa, S., Liang, J. X., Watanabe, T., Onodera, M., Nakauchi, H.
2002; 161 (1): 27-34
- **Clonal identification and characterization of self-renewing pluripotent stem cells in the developing liver** *JOURNAL OF CELL BIOLOGY*
Suzuki, A., Zheng, Y. W., Kaneko, S., Onodera, M., Fukao, K., Nakauchi, H., Taniguchi, H.
2002; 156 (1): 173-184
- **Lentiviral vector-mediated transduction of murine CD34(-) hematopoietic stem cells** *EXPERIMENTAL HEMATOLOGY*
Tahara-Hanaoka, S., Sudo, K., Ema, H., Miyoshi, H., Nakauchi, H.
2002; 30 (1): 11-17
- **Chronological changes of boron uptake and its relationship to the cell cycle. An in vitro study of different cell lines** *RESEARCH AND DEVELOPMENT IN NEUTRON CAPTURE THERAPY*
Yoshida, F., Matsumura, A., Shibata, Y., Yamamoto, T., Zhang, T., Nakauchi, H., Okumura, M., Nose, T.
2002: 857-860
- **Establishment of clonal colony-forming assay system for pancreatic stem/progenitor cells** *9th Annual Meeting of the Society-for-Cell-Therapy (SCT)*
Suzuki, A., Oyama, K., Fukao, K., Nakauchi, H., Taniguchi, H.

COGNIZANT COMMUNICATION CORP.2002: 451–53

- **Evidence for hepatocyte differentiation from embryonic stem cells in vitro** *9th Annual Meeting of the Society-for-Cell-Therapy (SCT)*
Miyashita, H., Suzuki, A., Fukao, K., Nakauchi, H., Taniguchi, H.
COGNIZANT COMMUNICATION CORP.2002: 429–34
- **A transmembrane trap method for efficient cloning of genes encoding proteins possessing transmembrane domain** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Miyoshi, S., Motohashi, T., Nakamura, Y., Osawa, M., Hiroyama, T., Kim, D. K., Tokumoto, Y., Nakauchi, H.
2001; 289 (5): 1192-1198
- **Molecular cloning and characterization of mouse Tspan-3, a novel member of the tetraspanin superfamily, expressed on resting dendritic cells** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Tokoro, Y., Shibuya, K., Osawa, M., Tahara-Hanaoka, S., Iwama, A., Kitamura, T., Nakauchi, H., Shibuya, A.
2001; 288 (1): 178-183
- **Fc alpha/mu receptor is a single gene-family member closely related to polymeric immunoglobulin receptor encoded on Chromosome 1** *IMMUNOGENETICS*
Shimizu, Y., Honda, S., Yotsumoto, K., Tahara-Hanaoka, S., Eyre, H. J., Sutherland, G. R., Endo, Y., Shibuya, K., Koyama, A., Nakauchi, H., Shibuya, A.
2001; 53 (8): 709-711
- **The ABC transporter Bcrp1/ABCG2 is expressed in a wide variety of stem cells and is a molecular determinant of the side-population phenotype** *NATURE MEDICINE*
Zhou, S., Schuetz, J. D., Bunting, K. D., Colapietro, A. M., Sampath, J., Morris, J. J., Lagutina, I., Grosveld, G. C., Osawa, M., Nakauchi, H., Sorrentino, B. P.
2001; 7 (9): 1028-1034
- **Increased cell surface expression of C-terminal truncated erythropoietin receptors in polycythemia** *EUROPEAN JOURNAL OF HAEMATOLOGY*
Motohashi, T., Nakamura, Y., Osawa, M., Hiroyama, T., Iwama, A., Shibuya, A., Nakauchi, H.
2001; 67 (2): 88-93
- **Fractalkine shares signal sequence with TARC: Gene structures and expression profiles of two chemokine genes** *GENOMICS*
Hiroyama, T., Iwama, A., Nakamura, Y., Nakauchi, H.
2001; 75 (1-3): 3-5
- **A novel Fc receptor for IgA and IgM is expressed on both hematopoietic and non-hematopoietic tissues** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Sakamoto, N., Shibuya, K., Shimizu, Y., Yotsumoto, K., Miyabayashi, T., Sakano, S., Tsuji, T., Nakayama, E., Nakauchi, H., Shibuya, A.
2001; 31 (5): 1310-1316
- **Detection of fetal HPCs in maternal circulation after delivery** *TRANSFUSION*
Osada, H., Doi, S., Fukushima, T., Nakauchi, H., Seki, K., Sekiya, S.
2001; 41 (4): 499-503
- **Hepatic stem/progenitor cells with high proliferative potential in liver organ formation** *18th World Congress of the Transplantation-Society*
Suzuki, A., Zheng, Y. W., Fukao, K., Nakauchi, H., Taniguchi, H.
ELSEVIER SCIENCE INC.2001: 585–86
- **Clonal expansion of hepatic stem/progenitor cells following flow cytometric cell sorting** *8th Annual Meeting of the Society-for-Cell-Therapy (SCT)*
Suzuki, A., Zheng, Y. W., Fukao, K., Nakauchi, H., Taniguchi, H.
COGNIZANT COMMUNICATION CORP.2001: 393–96
- **Prospective identification and enrichment of hepatic stem cells in the liver by flowcytometric cell sorting** *5th Internation Symposium on Tissue Engineering for Therapeutic Use*
Taniguchi, H., Suzuki, A., Zheng, Y., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE BV.2001: 53–58
- **Identification of Fc alpha/mu receptor expressed on B lymphocytes and macrophages** *CREST International Symposium on Immunoglobulin-like Receptors*
Shibuya, A., Shibuya, K., Shimizu, Y., Yotsumoto, K., Nakauchi, H.
SPRINGER-VERLAG TOKYO.2001: 79–84
- **Simplified retroviral vector GCsap with murine stem cell virus long terminal repeat allows high and continued expression of enhanced green fluorescent protein by human hematopoietic progenitors engrafted in nonobese diabetic/severe combined immunodeficient mice** *HUMAN GENE THERAPY*

- Kaneko, S., Onodera, M., Fujiki, Y., Nagasawa, T., Nakauchi, H.
2001; 12 (1): 35-44
- **Quantitative assessment of the stem cell self-renewal capacity** *3rd International Conference on Hematopoietic Stem Cells: Genetics and Medicine*
Nakauchi, H., Sudo, K., Ema, H.
NEW YORK ACAD SCIENCES.2001: 18-25
 - **Hematopoietic stem cells express Tie-2 receptor in the murine fetal liver** *BLOOD*
Hsu, H. C., Ema, H., Osawa, M., Nakamura, Y., Suda, T., Nakauchi, H.
2000; 96 (12): 3757-3762
 - **Flow-cytometric separation and enrichment of hepatic progenitor cells in the developing mouse liver** *HEPATOLOGY*
Suzuki, A., Zheng, Y. W., Kondo, R., Kusakabe, M., Takada, Y., Fukao, K., Nakauchi, H., Taniguchi, H.
2000; 32 (6): 1230-1239
 - **In vitro self-renewal division of hematopoietic stem cells** *JOURNAL OF EXPERIMENTAL MEDICINE*
Ema, H., Takano, H., Sudo, K., Nakauchi, H.
2000; 192 (9): 1281-1288
 - **Age-associated characteristics of murine hematopoietic stem cells** *JOURNAL OF EXPERIMENTAL MEDICINE*
Sudo, K., Ema, H., Morita, Y., Nakauchi, H.
2000; 192 (9): 1273-1280
 - **Fc alpha/mu receptor mediates endocytosis of IgM-coated microbes** *NATURE IMMUNOLOGY*
Shibuya, A., Sakamoto, N., Shimizu, Y., Shibuya, K., Osawa, M., Hiroshima, T., Eyre, H. J., Sutherland, G. R., Endo, Y., Fujita, T., Miyabayashi, T., Sakano, S., Tsuji, et al
2000; 1 (5): 441-446
 - **Effects of combined growth factors on clonal growth and albumin secretion of murine fetal hepatocytes in low density culture** *6th Congress of the Asian-Society-of-Transplantation*
Zheng, Y. W., Taniguchi, H., Suzuki, A., Takada, Y., Fukunaga, K., Seino, K., Yuzawa, K., Otsuka, M., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.2000: 2372-73
 - **Clonal colony formation of hepatic stem/progenitor cells enhanced by embryonic fibroblast conditioning medium** *6th Congress of the Asian-Society-of-Transplantation*
Suzuki, A., Taniguchi, H., Zheng, Y. W., Takada, Y., Fukunaga, K., Seino, K., Yazawa, K., Otsuka, M., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.2000: 2328-30
 - **Proliferative and functional ability of transplanted murine neonatal hepatocytes in adult livers** *6th Congress of the Asian-Society-of-Transplantation*
Suzuki, A., Taniguchi, H., Zheng, Y. W., Takada, Y., Fukunaga, K., Seino, K., Yazawa, K., Otsuka, M., Yoshiki, A., Kusakabe, M., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.2000: 2370-71
 - **Effects of four extracellular matrices associated with growth factors on clonal culture and proliferation of murine fetal hepatocytes** *6th Congress of the Asian-Society-of-Transplantation*
Zheng, Y. W., Taniguchi, H., Suzuki, A., Takada, Y., Fukunaga, K., Seino, K., Yuzawa, K., Otsuka, M., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.2000: 2498-99
 - **Molecular cloning and chromosomal mapping of a novel five-span transmembrane protein gene, M83** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Motohashi, T., Miyoshi, S., Osawa, M., Eyre, H. J., Sutherland, G. R., Matsuda, Y., Nakamura, Y., Shibuya, A., Iwama, A., Nakauchi, H.
2000; 276 (1): 244-250
 - **Characterization of the mouse interleukin-13 receptor alpha 1 gene** *IMMUNOGENETICS*
Osawa, M., Miyoshi, S., Copeland, N. G., Gilbert, D. J., Jenkins, N. A., Hiroshima, T., Motohashi, T., Nakamura, Y., Iwama, A., Nakauchi, H.
2000; 51 (11): 974-981
 - **Clonogenic colony-forming ability of flow cytometrically isolated hepatic progenitor cells in the murine fetal liver** *6th Annual Meeting of the American-Society-for-Neural-Transplantation-and-Repair (ASNTR)*
Taniguchi, H., Kondo, R., Suzuki, A., Zheng, Y. W., Takada, Y., Fukunaga, K., Seino, K., Yuzawa, K., Otsuka, M., Fukao, K., Nakauchi, H.
COGNIZANT COMMUNICATION CORP.2000: 697-700

- **New type of matrix support for bone marrow cell cultures: In vitro culture and in vivo transplantation experiments** *ASAIO JOURNAL*
Tun, T., Miyoshi, H., Ema, H., Nakauchi, H., Ohshima, N.
2000; 46 (5): 522-526
- **Induction of M-phase arrest and apoptosis after HIV-1 Vpr expression through uncoupling of nuclear and centrosomal cycle in HeLa cells** *EXPERIMENTAL CELL RESEARCH*
Watanabe, N., Yamaguchi, T., Akimoto, Y., Rattner, J. B., Hirano, H., Nakauchi, H.
2000; 258 (2): 261-269
- **Dominant expansion of human T cells in non-obese diabetic/severe combined immunodeficiency mice implanted with human bone fragments** *EXPERIMENTAL HEMATOLOGY*
Fujiki, Y., Onodera, M., Yamaguchi, T., Osawa, M., Sudo, K., Hamada, H., Ema, H., Shibuya, A., Takiguchi, M., Kubo, T., Nakauchi, H.
2000; 28 (7): 792-801
- **Long-term culture of fetal liver cells using a three-dimensional porous polymer substrate** *ASAIO JOURNAL*
Miyoshi, H., Ehashi, T., Ema, H., Hsu, H. C., Nakauchi, H., Ohshima, N.
2000; 46 (4): 397-402
- **Molecular cloning and characterization of CRLM-2, a novel type I cytokine receptor preferentially expressed in hematopoietic cells** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Hiroyama, T., Iwama, A., Morita, Y., Nakamura, Y., Shibuya, A., Nakauchi, H.
2000; 272 (1): 224-229
- **Expansion of hematopoietic stem cells in the developing liver of a mouse embryo** *BLOOD*
Ema, H., Nakauchi, H.
2000; 95 (7): 2284-2288
- **Usefulness of flow-cytometric cell sorting for enrichment of hepatic stem and progenitor cells in the liver** *35th Annual Congress of the Japan-Society-for-Transplantation*
Taniguchi, H., Suzuki, A., Zheng, Y., Kondo, R., Takada, Y., Fukunaga, K., Seino, K., Yuzawa, K., Otsuka, M., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.2000: 249-51
- **A role for pref-1 and HES-1 in thymocyte development.** *Journal of immunology*
Kaneta, M., Osawa, M., Sudo, K., Nakauchi, H., Farr, A. G., Takahama, Y.
2000; 164 (1): 256-264
- **A role for Pref-1 and HES-1 in thymocyte development** *JOURNAL OF IMMUNOLOGY*
Kaneta, M., Osawa, M., Osawa, M., Sudo, K., Nakauchi, H., Farr, A. G., Takahama, Y.
2000; 164 (1): 256-264
- **Isolation and characterization of CD34-low/negative mouse hematopoietic stem cells** *5th Keio-University International Symposium for Life Sciences and Medicine*
Nakauchi, H., Osawa, M., Sudo, K., Ema, H.
SPRINGER-VERLAG TOKYO.2000: 95-103
- **Differential level in co-down-modulation of CD4 and CXCR4 primed by HIV-1 gp120 in response to phorbol ester, PMA, among HIV-1 isolates** *MICROBIOLOGY AND IMMUNOLOGY*
Tahara-Hanaoka, S., Ushijima, Y., Tarui, H., Wada, M., Hara, T., Imanishi, S., Yamaguchi, T., Hattori, T., Nakauchi, H., Koito, A.
2000; 44 (6): 489-498
- **Physical and functional association of LFA-1 with DNAM-1 adhesion molecule** *IMMUNITY*
Shibuya, K., Lanier, L. L., Phillips, J. H., Ochs, H. D., Shimizu, K., Nakayama, E., Nakauchi, H., Shibuya, A.
1999; 11 (5): 615-623
- **Microchimerism in Japanese women patients with systemic sclerosis** *LANCET*
Murata, H., Nakauchi, H., Sumida, T.
1999; 354 (9174): 220-220
- **Single-cell analysis of mitochondrial DNA in patients and a carrier of the tRNA(Leu(UUR)) gene mutation** *JOURNAL OF INHERITED METABOLIC DISEASE*
Saitoh, S., Momoi, M. Y., Yamagata, T., Nakauchi, H., Nihei, K., Fujii, M.

1999; 22 (5): 608-614

- **Murine natural killer cells contribute to the granulomatous reaction caused by mycobacterial cell walls** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Apostolou, I., Takahama, Y., Belmont, C., Kawano, T., Huerre, M., Marchal, G., Cui, J., Taniguchi, M., Nakauchi, H., Fournie, J. J., Kourilsky, P., Gachelin, G.
1999; 96 (9): 5141-5146
- **A novel stromal cell-dependent B lymphoid stem-like cell line that induces immunoglobulin gene rearrangement** *JOURNAL OF BIOCHEMISTRY*
Matsuda, K., Koguma, M., Okuyama, R., Nakazawa, T., Matsuzaki, Y., Nakauchi, H., Yanai, N., Terasaki, T., Obinata, M.
1999; 125 (3): 602-612
- **Evidence for the presence of hepatic stem cells in the murine fetal liver** *XVIIth World Congress of the Transplantation-Society*
Taniguchi, H., Kondo, R., Suzuki, A., Zheng, Y., Ito, S., Takada, Y., Fukunaga, K., Seino, K., Yuzawa, K., Otsuka, M., Fukao, K., Yoshiki, A., Kusakabe, et al
ELSEVIER SCIENCE INC. 1999: 454-54
- **Human immunodeficiency virus type 1 Vpr modifies cell proliferation via multiple pathways** *MICROBIOLOGY AND IMMUNOLOGY*
Yamaguchi, T., Watanabe, N., Nakauchi, H., Koito, A.
1999; 43 (5): 437-447
- **Further characterization of CD34-low/negative mouse hematopoietic stem cells** *2nd International Symposium and Workshop on Hematopoietic Stem Cells*
Nakauchi, H., Takano, H., Ema, H., Osawa, M.
NEW YORK ACAD SCIENCES. 1999: 57-70
- **Comparison of hematopoietic activities of human bone marrow and umbilical cord blood CD34 positive and negative cells** *STEM CELLS*
Kim, D. K., Fujiki, Y., Fukushima, T., Ema, H., Shibuya, A., Nakauchi, H.
1999; 17 (5): 286-294
- **A mouse carrying genetic defect in the choice between T and B lymphocytes** *JOURNAL OF IMMUNOLOGY*
Tokoro, Y., Sugawara, T., Yaginuma, H., Nakauchi, H., TERHORST, C., Wang, B. P., Takahama, Y.
1998; 161 (9): 4591-4598
- **Is donor-derived long-term and multilineage hematopoiesis established after liver transplantation?** *5th Congress of the Asian-Society-of-Transplantation (CAST)*
Taniguchi, H., Sugioka, A., Morita, M., Hasumi, A., Takada, Y., Fukunaga, K., Yuzawa, K., Otsuka, M., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC. 1998: 3865-66
- **Impaired erythropoiesis in transgenic mice overexpressing a truncated erythropoietin receptor** *EXPERIMENTAL HEMATOLOGY*
Nakamura, Y., Takano, H., Osawa, M., Tomita, T., Kim, D. K., Kojima, M., Motohashi, T., Miyoshi, S., Hiroyama, T., Tokumoto, Y., Nakauchi, H.
1998; 26 (12): 1105-1110
- **Identification of Bach2 as a B-cell-specific partner for small Maf proteins that negatively regulate the immunoglobulin heavy chain gene 3' enhancer** *EMBO JOURNAL*
Muto, A., Hoshino, H., MADISEN, L., Yanai, N., Obinata, M., Karasuyama, H., Hayashi, M., Nakauchi, H., Yamamoto, M., Groudine, M., Igarashi, K.
1998; 17 (19): 5734-5743
- **An improved retroviral gene transfer technique demonstrates inhibition of CD4(-)CD8(-) thymocyte development by kinase-inactive ZAP-70** *JOURNAL OF IMMUNOLOGY*
Sugawara, T., Di Bartolo, V., Miyazaki, T., Nakauchi, H., Acuto, O., Takahama, Y.
1998; 161 (6): 2888-2894
- **Hematopoietic stem cells: Are they CD34-positive or CD34-negative?** *NATURE MEDICINE*
Nakauchi, H.
1998; 4 (9): 1009-1010
- **Engraftment of human myelodysplastic syndrome derived cell line in transgenic severe combined immunodeficient (TG-SCID) mice expressing human GM-CSF and IL-3** *EUROPEAN JOURNAL OF HAEMATOLOGY*
Kim, D. K., Kojima, M., Fukushima, T., Miyasaka, M., Nakauchi, H.
1998; 61 (2): 93-99
- **Multivalent DNA binding complex generated by small Maf and Bach1 as a possible biochemical basis for beta-globin locus control region complex** *JOURNAL OF BIOLOGICAL CHEMISTRY*

- Igarashi, K., Hoshino, H., Muto, A., Suwabe, N., Nishikawa, S., Nakauchi, H., Yamamoto, M.
1998; 273 (19): 11783-11790
- **Multicolor flow-cytometric, morphologic, and clonogenic analysis of marrow CD10-positive cells in children with leukemia in remission or nonmalignant diseases** *JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY*
Fukushima, T., Sumazaki, R., Koike, K., Tsuchida, M., Matsui, A., Nakauchi, H.
1998; 20 (3): 222-228
 - **Expression and function of c-Met, a receptor for hepatocyte growth factor, during T-cell development** *SCANDINAVIAN JOURNAL OF IMMUNOLOGY*
Tamura, S., Sugawara, T., Tokoro, Y., Taniguchi, H., Fukao, K., Nakauchi, H., Takahama, Y.
1998; 47 (4): 296-301
 - **Alternative promoters regulate transcription of the mouse GATA-2 gene** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Minegishi, N., Ohta, J., Suwabe, N., Nakauchi, H., Ishihara, H., Hayashi, N., Yamamoto, M.
1998; 273 (6): 3625-3634
 - **Pertussis toxin can replace T cell receptor signals that induce positive selection of CD8 T cells** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Takahama, Y., Tokoro, Y., Sugawara, T., Negishi, I., Nakauchi, H.
1997; 27 (12): 3318-3331
 - **Human immunodeficiency virus type 2 envelope glycoprotein binds to CD8 as well as to CD4 molecules on human T cells** *JOURNAL OF VIROLOGY*
Kaneko, H., Neoh, L. P., Takeda, N., Akimoto, H., Hishikawa, T., Hashimoto, H., Hirose, S., Karaki, S., Takiguchi, M., Nakauchi, H., Kaneko, Y., Yamamoto, N., Sekigawa, et al
1997; 71 (11): 8918-8922
 - **The proportion of fetal nucleated red blood cells in maternal blood: Estimation by FACS analysis** *PRENATAL DIAGNOSIS*
Sohda, S., Arinami, T., Hamada, H., Nakauchi, H., Hamaguchi, H., Kubo, T.
1997; 17 (8): 743-752
 - **Constant delivery of proinsulin by encapsulation of transfected cells** *JOURNAL OF SURGICAL RESEARCH*
Taniguchi, H., Fukao, K., Nakauchi, H.
1997; 70 (1): 41-45
 - **Isolation of a cDNA encoding a tyrosine kinase expressed in murine skin** *EXPERIMENTAL DERMATOLOGY*
Kawachi, Y., Nakauchi, H., Otsuka, E.
1997; 6 (3): 140-146
 - **In vivo analysis of Fas antigen-mediated apoptosis: Effects of agonistic anti-mouse Fas mAb on thymus, spleen and liver** *INTERNATIONAL IMMUNOLOGY*
Nishimura, Y., HIRABAYASHI, Y., Matsuzaki, Y., Musette, P., Ishii, A., Nakauchi, H., Inoue, T., Yonehara, S.
1997; 9 (2): 307-316
 - **Role of bcl-2 in the development of lymphoid cells from the hematopoietic stem cell** *BLOOD*
Matsuzaki, Y., Nakayama, K., Nakayama, K., Tomita, T., Isoda, M., Loh, D. Y., Nakauchi, H.
1997; 89 (3): 853-862
 - **Characterization of hematopoietic stem cells in the adult liver** *XVI International Congress of the Transplantation-Society*
Taniguchi, H., Sugioka, A., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.1997: 1212-13
 - **Extent of chimerism determines the mode of tolerance in mixed bone marrow chimeras** *XVI International Congress of the Transplantation-Society*
Taniguchi, H., Yuzawa, K., Takada, Y., Otsuka, M., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.1997: 1193-95
 - **B220 expression by T lymphoid progenitor cells in mouse fetal liver** *JOURNAL OF IMMUNOLOGY*
Sagara, S., Sugaya, K., Tokoro, Y., Tanaka, S., Takano, H., Kodama, H., Nakauchi, H., Takahama, Y.
1997; 158 (2): 666-676
 - **Control of proinsulin production by sense-anti-sense regulation in response to glucocorticoids** *3rd Annual Meeting of the Society-for-Cell-Therapy*
Taniguchi, H., Hirochika, R., Fukao, K., Nakauchi, H.
PERGAMON-ELSEVIER SCIENCE LTD.1996: S55-S57

- **Phorbol ester and calcium ionophore can replace TCR signals that induce positive selection of CD4 T cells** *JOURNAL OF IMMUNOLOGY*
Takahama, Y., Nakauchi, H.
1996; 157 (4): 1508-1513
- **Long-term lymphohematopoietic reconstitution by a single CD34-low/negative hematopoietic stem cell** *SCIENCE*
Osawa, M., Hanada, K., Hamada, H., Nakauchi, H.
1996; 273 (5272): 242-245
- **Conditions for the successful engraftment of hepatocyte progenitors injected into the spleen** *4th International Congress of the Asian-Transplantation-Society*
Taniguchi, H., Yoshiki, A., Kusakabe, M., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.1996: 1855-56
- **Role of c-jun in the inhibition of erythropoietin receptor-mediated apoptosis** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Shimizu, R., Komatsu, N., Nakamura, Y., Nakauchi, H., Nakabeppu, Y., Miura, Y.
1996; 222 (1): 1-6
- **In vivo self-renewal of c-Kit(+) Sca-1(+) Lin(low/-) hemopoietic stem cells** *JOURNAL OF IMMUNOLOGY*
Osawa, M., Nakamura, K., Nishi, N., Takahashi, N., Tokuomoto, Y., Inoue, H., Nakauchi, H.
1996; 156 (9): 3207-3214
- **IL-7 supports D-J but not V-DJ rearrangement of TCR-beta gene in fetal liver progenitor cells** *JOURNAL OF IMMUNOLOGY*
Tsuda, S., Rieke, S., Hashimoto, Y., Nakauchi, H., Takahama, Y.
1996; 156 (9): 3233-3242
- **Apoptosis during an early stage of nephrogenesis induces renal hypoplasia in bcl-2-deficient mice** *AMERICAN JOURNAL OF PATHOLOGY*
Nagata, M., Nakauchi, H., Nakayama, K. I., Nakayama, K., Loh, D., Watanabe, T.
1996; 148 (5): 1601-1611
- **CD3-induced apoptosis of CD4(+)CD8(+) thymocytes in the absence of clonotypic T cell antigen receptor** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Tokoro, Y., Tsuda, S., Tanaka, S., Nakauchi, H., Takahama, Y.
1996; 26 (5): 1012-1017
- **Long-term and multilineage bone marrow reconstitution in normal untreated recipients** *TRANSPLANTATION PROCEEDINGS*
Taniguchi, H., Yuzawa, K., Otsuka, M., Fukao, K., Nakauchi, H.
1996; 28 (2): 1042-1044
- **Loss of ganciclovir sensitivity by exclusion of thymidine kinase gene from transplanted proinsulin-producing fibroblasts as a gene therapy model for diabetes** *GENE THERAPY*
Yoshimoto, K., Murakami, R., Moritani, M., Ohta, M., Iwahana, H., Nakauchi, H., Itakura, M.
1996; 3 (3): 230-234
- **Presence of hematopoietic stem cells in the adult liver** *NATURE MEDICINE*
Taniguchi, H., Toyoshima, T., Fukao, K., Nakauchi, H.
1996; 2 (2): 198-203
- **Role of a truncated erythropoietin receptor for erythroid differentiation** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Nakamura, Y., Tokumoto, Y., Nakauchi, H.
1996; 218 (1): 205-209
- **Characterization of the mouse CD8 beta chain-encoding gene promoter region** *IMMUNOGENETICS*
Kawachi, Y., Otsuka, F., Nakauchi, H.
1996; 44 (5): 358-365
- **RECONSTITUTION RATIO IS CRITICAL FOR ALLOREACTIVE T-CELL DELETION AND SKIN-GRAFT SURVIVAL IN MIXED BONE-MARROW CHIMERAS** *JOURNAL OF IMMUNOLOGY*
Taniguchi, H., Abe, M., Shirai, T., Fukao, K., Nakauchi, H.
1995; 155 (12): 5631-5636
- **Developmental defects of lymphoid cells in Jak3 kinase-deficient mice** *IMMUNITY*
Park, S. Y., Saijo, K., Takahashi, T., Osawa, M., Arase, H., Hirayama, N., Miyake, K., Nakauchi, H., Shirasawa, T., Saito, T.

1995; 3 (6): 771-782

- **LYMPHOKINE REQUIREMENT FOR THE GENERATION OF NATURAL-KILLER-CELLS FROM CD34(+) HEMATOPOIETIC PROGENITOR CELLS** *BLOOD*
Shibuya, A., Nagayoshi, K., Nakamura, K., Nakauchi, H.
1995; 85 (12): 3538-3546
- **ACTIVITY AND EXPRESSION OF MURINE SMALL MAF FAMILY PROTEIN MAFK** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Igarashi, K., Itoh, K., Motohashi, H., Hayashi, N., MATUZAKI, Y., Nakauchi, H., Nishizawa, M., Yamamoto, M.
1995; 270 (13): 7615-7624
- **EVIDENCE FOR THE PRESENCE OF HEMATOPOIETIC STEM-CELLS IN THE ADULT LIVER** *XVth World Congress of the Transplantation-Society*
Taniguchi, H., Toyoshima, T., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.1995: 196-99
- **WT1 AS A NEW PROGNOSTIC FACTOR AND A NEW MARKER FOR THE DETECTION OF MINIMAL RESIDUAL DISEASE IN ACUTE-LEUKEMIA** *BLOOD*
Inoue, K., Sugiyama, H., Ogawa, H., Nakagawa, M., Yamagami, T., Miwa, H., Kita, K., Hiraoka, A., Masaoka, T., Nasu, K., Kyo, T., Dohy, H., Nakauchi, et al
1994; 84 (9): 3071-3079
- **EXPRESSION OF RH BLOOD-GROUP GENE TRANSCRIPTS IN HUMAN-LEUKOCYTES** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Kajii, E., Umenishi, F., Nakauchi, H., Ikemoto, S.
1994; 202 (3): 1497-1504
- **Identification of a novel cDNA clone encoding protein tyrosine kinase in murine skin.** *journal of dermatology*
Kawachi, Y., Nakauchi, H., Otsuka, F.
1994; 21 (8): 533-538
- **USE OF CYTOKINES FOR EFFICIENT INTRODUCTION OF FOREIGN GENES INTO THE HEMATOPOIETIC STEM-CELL** *3rd Congress of the Asian-Society-of-Transplantation*
Taniguchi, H., Osawa, M., Watanabe, Y., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.1994: 1972-74
- **HEMATOPOIETIC STEM-CELL CHIMERISM - RELATIONSHIPS BETWEEN DEGREE OF CHIMERISM, T-CELL CLONAL DELETION, AND GRAFT-SURVIVAL** *3rd Congress of the Asian-Society-of-Transplantation*
Taniguchi, H., Jinzenji, Y., Fukao, K., Nakauchi, H.
ELSEVIER SCIENCE INC.1994: 1966-68
- **A TRUNCATED ERYTHROPOIETIN RECEPTOR AND CELL-DEATH - A REANALYSIS** *SCIENCE*
Nakamura, Y., Nakauchi, H.
1994; 264 (5158): 588-589
- **GLYCOSPHINGOLIPIDS OF RAT T-CELLS - PREDOMINANCE OF ASIALO-GM1 AND GD1C** *BIOCHEMISTRY*
Nohara, K., Nakauchi, H., Spiegel, S.
1994; 33 (15): 4661-4666
- **RETROVIRUS-MEDIATED GENE-TRANSFER OF HUMAN PYRUVATE-KINASE (PK) CDNA INTO MURINE HEMATOPOIETIC-CELLS - IMPLICATIONS FOR GENE-THERAPY OF HUMAN PK DEFICIENCY** *BLOOD*
Tani, K., Yoshikubo, T., Ikebuchi, K., Takahashi, K., Tsuchiya, T., Takahashi, S., Shimane, M., Ogura, H., Tojo, A., Ozawa, K., Takahara, Y., Nakauchi, H., Markowitz, et al
1994; 83 (8): 2305-2310
- **REQUIREMENT FOR CD8 BETA-CHAIN IN POSITIVE SELECTION OF CD8-LINEAGE T-CELLS** *SCIENCE*
Nakayama, K., Nakayama, K., Negishi, I., Kuida, K., Louie, M. C., Kanagawa, O., Nakauchi, H., Loh, D. Y.
1994; 263 (5150): 1131-1133
- **INTRODUCTION OF FOREIGN GENES INTO HEMATOPOIETIC CELLS USING RETROVIRUS AND ADENOVIRUS VECTORS** *9th Nagoya International Symposium on Cancer Treatment*
Tani, K., Lin, T., Hibino, H., Nagayama, H., Takahashi, S., Takahashi, K., Shimane, M., Ogura, H., Kanegae, Y., Saitoh, I., Ikebuchi, K., Tojo, A., Ozawa, et al
ELSEVIER SCIENCE BV.1994: 115-122

- **HUMAN PRIMITIVE HEMATOPOIETIC PROGENITOR CELLS ARE MORE ENRICHED IN KIT(LOW) CELLS THAN IN KIT(HIGH) CELLS** *BLOOD*
Gunji, Y., Nakamura, M., Osawa, H., Nagayoshi, K., Nakauchi, H., Miura, Y., Yanagisawa, M., Suda, T.
1993; 82 (11): 3283-3289
- **CHARACTERIZATION OF C-KIT POSITIVE INTRATHYMIC STEM-CELLS THAT ARE RESTRICTED TO LYMPHOID DIFFERENTIATION** *JOURNAL OF EXPERIMENTAL MEDICINE*
Matsuzaki, Y., GYOTOKU, J., Ogawa, M., Nishikawa, S., Katsura, Y., Gachelin, G., Nakauchi, H.
1993; 178 (4): 1283-1292
- **IL-5 RECEPTOR-POSITIVE B-CELLS, BUT NOT EOSINOPHILS, ARE FUNCTIONALLY AND NUMERICALLY INFLUENCED IN MICE CARRYING THE X-LINKED IMMUNE DEFECT** *INTERNATIONAL IMMUNOLOGY*
Hitoshi, Y., Sonoda, E., Kikuchi, Y., Yonehara, S., Nakauchi, H., Takatsu, K.
1993; 5 (9): 1183-1190
- **AUTOSOMAL CODOMINANT INHERITANCE AND JAPANESE INCIDENCE OF DEFICIENCY OF OKT4 EPITOPE WITH LACK OF REACTIVITY RESULTING FROM CONFORMATIONAL CHANGE** *JOURNAL OF IMMUNOLOGY*
Takenaka, T., Kuribayashi, K., Nakamine, H., Yoshikawa, F., Maeda, J., Kishi, S., Nakauchi, H., Minatogawa, Y., Kido, R.
1993; 151 (5): 2864-2870
- **BINDING OF C-MYB TO THE CORE SEQUENCE OF THE CD4 PROMOTER** *INTERNATIONAL IMMUNOLOGY*
Nakayama, K., Yamamoto, R., Ishii, S., Nakauchi, H.
1993; 5 (8): 817-824
- **DUPLICATION OF THE CD8 BETA-CHAIN GENE AS A MARKER OF THE MAN GORILLA CHIMPANZEE CLADE** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Delarbre, C., Nakauchi, H., Bontrop, R., Kourilsky, P., Gachelin, G.
1993; 90 (15): 7049-7053
- **CD4(DULL +) HEMATOPOIETIC PROGENITOR CELLS IN MURINE BONE-MARROW** *BLOOD*
Onishi, M., Nagayoshi, K., Kitamura, K., Hirai, H., TAKAKU, F., Nakauchi, H.
1993; 81 (12): 3217-3225
- **DIFFERENT EFFECTS OF SUBSTITUTIONS AT RESIDUES 224 AND 228 OF MHC CLASS-I ON THE RECOGNITION OF CD8** *JOURNAL OF IMMUNOLOGY*
Sekimata, M., Tanabe, M., Sarai, A., Yamamoto, J., Kariyone, A., Nakauchi, H., Egawa, K., Takiguchi, M.
1993; 150 (10): 4416-4426
- **BLOOD STEM-CELLS** *RECHERCHE*
Nakauchi, H., Gachelin, G.
1993; 24 (254): 536-541
- **CLONAL DELETION OF THYMIC MATURE T-CELLS INDUCED BY STAPHYLOCOCCAL ENTEROTOXIN-B IN MURINE FETAL THYMUS ORGAN-CULTURE** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Aiba, Y., Mazda, O., Matsuzaki, Y., Nakauchi, H., Muramatsu, S., Katsura, Y.
1993; 23 (4): 815-819
- **ENRICHMENT OF INTERLEUKIN-2-RESPONSIVE NATURAL-KILLER PROGENITORS IN HUMAN BONE-MARROW** *BLOOD*
Shibuya, A., Kojima, H., Shibuya, K., Nagayoshi, K., Nagasawa, T., Nakauchi, H.
1993; 81 (7): 1819-1826
- **SEQUENTIAL-ANALYSIS OF HEMATOPOIETIC RECONSTITUTION ACHIEVED BY TRANSPLANTATION OF HEMATOPOIETIC STEM-CELLS** *BLOOD*
Okada, S., Nagayoshi, K., Nakauchi, H., Nishikawa, S. I., Miura, Y., Suda, T.
1993; 81 (7): 1720-1725
- **CYCLOSPORINE-A INHIBITS THE DECREASE OF CD4/CD8 EXPRESSION INDUCED BY PROTEIN-KINASE-C ACTIVATION** *INTERNATIONAL IMMUNOLOGY*
Nakayama, K., Nakauchi, H.
1993; 5 (4): 419-426

- **CHANGES IN HEMATOPOIESIS-SUPPORTING ABILITY OF C3H10T1/2 MOUSE EMBRYO FIBROBLASTS DURING DIFFERENTIATION** *BLOOD*
Nishikawa, M., Ozawa, K., Tojo, A., Yoshikubo, T., Okano, A., Tani, K., Ikebuchi, K., Nakauchi, H., Asano, S.
1993; 81 (5): 1184-1192
- **2 ALTERNATIVE FORMS OF CDNA-ENCODING CD34** *EXPERIMENTAL HEMATOLOGY*
Nakamura, Y., Komano, H., Nakauchi, H.
1993; 21 (2): 236-242
- **A TRUNCATED ERYTHROPOIETIN RECEPTOR AND CELL-DEATH - REPLY** *SCIENCE*
Nakamura, Y., Nakauchi, H.
1993; 259 (5095): 696-696
- **INVIVO AND INVITRO STEM-CELL FUNCTION OF C-KIT-POSITIVE AND SCA-1-POSITIVE MURINE HEMATOPOIETIC-CELLS** *BLOOD*
Okada, S., Nakauchi, H., Nagayoshi, K., Nishikawa, S. I., Miura, Y., Suda, T.
1992; 80 (12): 3044-3050
- **TREATMENT OF DIABETIC MICE WITH ENCAPSULATED FIBROBLASTS PRODUCING HUMAN PROINSULIN** *TRANSPLANTATION PROCEEDINGS*
Taniguchi, H., Nakauchi, H., Iwata, H., Amemiya, H., Fukao, K.
1992; 24 (6): 2977-2978
- **THY-1 INHIBITS MITOGEN-INDUCED CA²⁺ OSCILLATION IN RAS-TRANSFORMED MOUSE FIBROBLASTS** *EXPERIMENTAL CELL RESEARCH*
Sugimoto, Y., Fu, T., Hirochika, R., Nakauchi, H., Ikawa, Y., Nozawa, Y.
1992; 203 (1): 230-235
- **BETA-CHAIN BROADENS RANGE OF CD8 RECOGNITION FOR MHC CLASS-I MOLECULE** *JOURNAL OF IMMUNOLOGY*
Karaki, S., Tanabe, M., Nakauchi, H., Takiguchi, M.
1992; 149 (5): 1613-1618
- **A TRUNCATED ERYTHROPOIETIN RECEPTOR THAT FAILS TO PREVENT PROGRAMMED CELL-DEATH OF ERYTHROID-CELLS** *SCIENCE*
Nakamura, Y., Komatsu, N., Nakauchi, H.
1992; 257 (5073): 1138-1141
- **EVIDENCE FOR THE EXISTENCE OF 2 PARALLEL DIFFERENTIATION PATHWAYS IN THE THYMUS OF MRL LPR/LPR MICE** *JOURNAL OF IMMUNOLOGY*
Matsuzaki, Y., PANNETIEN, C., Kanagawa, O., Gachelin, G., Nakauchi, H.
1992; 149 (3): 1069-1074
- **SOMATIC GENE-THERAPY FOR DIABETES WITH AN IMMUNOLOGICAL SAFETY SYSTEM FOR COMPLETE REMOVAL OF TRANSPLANTED CELLS** *DIABETES*
Kawakami, Y., Yamaoka, T., Hirochika, R., Yamashita, K., Itakura, M., Nakauchi, H.
1992; 41 (8): 956-961
- **EXPRESSION AND FUNCTION OF ADHESION MOLECULES ON HUMAN HEMATOPOIETIC STEM-CELLS - CD34+ LFA-1- CELLS ARE MORE PRIMITIVE THAN CD34+ LFA-1+ CELLS** *BLOOD*
Gunji, Y., Nakamura, M., Hagiwara, T., Hayakawa, K., Matsushita, H., Osawa, H., Nagayoshi, K., Nakauchi, H., Yanagisawa, M., Miura, Y., Suda, T.
1992; 80 (2): 429-436
- **LEVEL OF ETB RECEPTOR MESSENGER-RNA IS DOWN-REGULATED BY ENDOTHELINS THROUGH DECREASING THE INTRACELLULAR STABILITY OF MESSENGER-RNA MOLECULES** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Sakurai, T., Morimoto, H., Kasuya, Y., Takuwa, Y., Nakauchi, H., Masaki, T., Goto, K.
1992; 186 (1): 342-347
- **CD4 AND CD8 REGULATE INTERLEUKIN-2 RESPONSES OF T-CELLS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Takahashi, K., Nakata, M., Tanaka, T., Adachi, H., Nakauchi, H., Yagita, H., Okumura, K.
1992; 89 (12): 5557-5561

- **SYNERGISTIC EFFECT OF IL-3 AND IL-6 ON HIGHLY ENRICHED MURINE HEMATOPOIETIC PROGENITORS** *1991 ANNUAL MEETING OF THE INTERNATIONAL SOC FOR EXPERIMENTAL HEMATOLOGY*
Okada, S., Nakauchi, H., Nagayoshi, K., Nakamura, M., Miura, Y., Suda, T.
CARDEN JENNINGS PUBL CO LTD.1992: 546-51
- **MOLECULAR-CLONING, RECONSTRUCTION AND EXPRESSION OF THE GENE ENCODING THE ALPHA-CHAIN OF THE BOVINE CD8 - DEFINITION OF 3 PEPTIDE REGIONS CONSERVED ACROSS SPECIES** *IMMUNOLOGY*
Lalor, P., Bucci, C., Fornaro, M., Rattazzi, M. C., Nakauchi, H., Herzenberg, L. A., Alberti, S.
1992; 76 (1): 95-102
- **RECENT DUPLICATION OF THE 2 HUMAN CD8 BETA-CHAIN GENES** *JOURNAL OF IMMUNOLOGY*
Nakayama, K. I., Kawachi, Y., Tokito, S., Minami, N., Yamamoto, R., Imai, T., Gachelin, G., Nakauchi, H.
1992; 148 (6): 1919-1927
- **ANTIGEN RECOGNITION BY THE T-CELL RECEPTOR IS ENHANCED BY CD8 ALPHA-CHAIN BINDING TO THE ALPHA-3 DOMAIN OF MHC CLASS-I MOLECULES, NOT BY SIGNALING VIA THE CYTOPLASMIC DOMAIN OF CD8-ALPHA** *INTERNATIONAL IMMUNOLOGY*
Tanabe, M., Karaki, S., Takiguchi, M., Nakauchi, H.
1992; 4 (2): 147-152
- **REACTIVITY PROFILES OF LEUKEMIC MYELOBLASTS WITH MONOCLONAL-ANTIBODIES DIRECTED TO SIALOSYL-LEX AND OTHER LACTO-SERIES TYPE-2 CHAIN ANTIGENS - ABSENCE OF REACTIVITY WITH NORMAL HEMATOPOIETIC PROGENITOR CELLS** *BLOOD*
Muroi, K., Suda, T., Nojiri, H., Ema, H., Amemiya, Y., Miura, Y., Nakauchi, H., Singhal, A., Hakomori, S. I.
1992; 79 (3): 713-719
- **MAJOR HISTOCOMPATIBILITY COMPLEX CONTROLS CLONAL PROLIFERATION OF CD5+ B-CELLS IN H-2-CONGENIC NEW-ZEALAND MICE - A MODEL FOR B-CELL CHRONIC LYMPHOCYTIC-LEUKEMIA AND AUTOIMMUNE-DISEASE** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Okada, T., Takiura, F., Tokushige, K., Nozawa, S., Kiyosawa, T., Nakauchi, H., Hirose, S., Shirai, T.
1991; 21 (11): 2743-2748
- **ENRICHMENT AND CHARACTERIZATION OF MURINE HEMATOPOIETIC STEM-CELLS THAT EXPRESS C-KIT MOLECULE** *BLOOD*
Okada, S., Nakauchi, H., Nagayoshi, K., Nishikawa, S., Nishikawa, S., Miura, Y., Suda, T.
1991; 78 (7): 1706-1712
- **SINGLE AMINO-ACID SUBSTITUTION IN THE V3 DOMAIN OF CD4 IS RESPONSIBLE FOR OKT4 EPITOPE DEFICIENCY** *IMMUNOGENETICS*
Tokito, S., Kishi, S., Yamamoto, R., Takenaka, T., Nakauchi, H.
1991; 34 (3): 208-210
- **INVIVO STEM-CELL FUNCTION OF INTERLEUKIN-3-INDUCED BLAST CELLS** *BLOOD*
TSUNODA, J. I., Okada, S., Suda, J., Nagayoshi, K., Nakauchi, H., Hatake, K., Miura, Y., Suda, T.
1991; 78 (2): 318-322
- **GENERATION OF B-LYMPHOCYTES FROM A SINGLE HEMATOPOIETIC PROGENITOR-CELL INVITRO** *INTERNATIONAL IMMUNOLOGY*
Ohara, A., Suda, T., TOKUYAMA, N., Suda, J., Nakayama, K., Miura, Y., Nishikawa, S., Nakauchi, H.
1991; 3 (7): 703-709
- **EXPRESSION AND FUNCTION OF C-KIT IN HEMATOPOIETIC PROGENITOR CELLS** *JOURNAL OF EXPERIMENTAL MEDICINE*
Ogawa, M., Matsuzaki, Y., Nishikawa, S., Hayashi, S. I., Kunisada, T., Sudo, T., Kina, T., Nakauchi, H., Nishikawa, S. I.
1991; 174 (1): 63-71
- **SUPPORT OF EARLY B-CELL DIFFERENTIATION IN MOUSE FETAL LIVER BY STROMAL CELLS AND INTERLEUKIN-7** *BLOOD*
Gunji, Y., Sudo, T., Suda, J., Yamaguchi, Y., Nakauchi, H., Nishikawa, S. I., Yanai, N., Obinata, M., Yanagisawa, M., Miura, Y., Suda, T.
1991; 77 (12): 2612-2617
- **MULTIPOTENT AND COMMITTED CD34+ CELLS IN BONE-MARROW TRANSPLANTATION** *JAPANESE JOURNAL OF CANCER RESEARCH*
Ema, H., Suda, T., Nakauchi, H., Nakamura, Y., Iwama, A., Imagawa, S., Akutsu, M., Kano, Y., Kato, S., Yabe, M., Yoshida, M., Sakamoto, S., Amemiya, et al
1991; 82 (5): 547-552
- **MHC GENE Q8/9D OF THE BALB/CJ MOUSE STRAIN CANNOT ENCODE A QA-2,3 CLASS-I ANTIGEN** *IMMUNOGENETICS*
Nakayama, K., Tokito, S., Pannetier, C., Nakauchi, H., Gachelin, G.

- 1991; 33 (4): 225-234
- **SINGLE AMINO-ACID SUBSTITUTIONS DETERMINE MOUSE CD8 ALLOTYPES - EPITOPE MAPPING OF MOUSE CD8** *IMMUNOGENETICS*
Nakayama, K., Sarai, A., Nakauchi, H.
1991; 33 (3): 206-209
 - **THY-1 AS A NEGATIVE GROWTH-REGULATOR IN RAS-TRANSFORMED MOUSE FIBROBLASTS** *CANCER RESEARCH*
Sugimoto, Y., Ikawa, Y., Nakauchi, H.
1991; 51 (1): 99-104
 - **DIFFERENTIATION PATHWAYS OF CLONE-SORTED CD34-POSITIVE CELLS** *INTERNATIONAL SYMP ON MYELODYSPLASTIC SYNDROME AND CYTOKINES*
Miura, Y., Ema, H., Suda, T., Nagayoshi, K., Nakauchi, H.
ELSEVIER SCIENCE PUBL B V.1991: 39-48
 - **INVITRO SINGLE CELL ASSAY FOR HUMAN STEM-CELLS USING FACS CLONE-SORTING** *INTERNATIONAL SYMP ON FLOW CYTOMETRY AND IMAGE ANALYSIS FOR CLINICAL APPLICATIONS*
Nakauchi, H., Ema, H., Miura, Y., Suda, T.
ELSEVIER SCIENCE PUBL B V.1991: 227-232
 - **ESTABLISHMENT AND CHARACTERIZATION OF A HUMAN LEUKEMIC-CELL LINE WITH MEGAKARYOCYTIC FEATURES - DEPENDENCY ON GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR, INTERLEUKIN-3, OR ERYTHROPOIETIN FOR GROWTH AND SURVIVAL** *CANCER RESEARCH*
Komatsu, N., Nakauchi, H., Miwa, A., Ishihara, T., Eguchi, M., Moroi, M., Okada, M., Sato, Y., Wada, H., YAWATA, Y., Suda, T., Miura, Y.
1991; 51 (1): 341-348
 - **EFFECTS OF INTERLEUKIN-3, INTERLEUKIN-6, AND GRANULOCYTE COLONY-STIMULATING FACTOR ON SORTED MURINE SPLENIC PROGENITOR CELLS** *EXPERIMENTAL HEMATOLOGY*
Okada, S., Suda, T., Suda, J., TOKUYAMA, N., Nagayoshi, K., Miura, Y., Nakauchi, H.
1991; 19 (1): 42-46
 - **TARGET-CELLS FOR GRANULOCYTE COLONY-STIMULATING FACTOR, INTERLEUKIN-3, AND INTERLEUKIN-5 IN DIFFERENTIATION PATHWAYS OF NEUTROPHILS AND EOSINOPHILS** *BLOOD*
Ema, H., Suda, T., Nagayoshi, K., Miura, Y., Civin, C. I., Nakauchi, H.
1990; 76 (10): 1956-1961
 - **EXPRESSION AND FUNCTION OF THE TRANSFECTED CD8-ALPHA CHAIN IN MURINE T-CELL HYBRIDOMAS** *INTERNATIONAL IMMUNOLOGY*
Kanagawa, O., Nakauchi, H., Sekaly, R. P., Maeda, K., Takagaki, Y.
1990; 2 (10): 957-964
 - **THE DOSE DEPENDENCE OF GLUCOCORTICOID-INDUCIBLE GENE-EXPRESSION RESULTS FROM CHANGES IN THE NUMBER OF TRANSCRIPTIONALLY ACTIVE TEMPLATES** *EMBO JOURNAL*
Ko, M. S., Nakauchi, H., Takahashi, N.
1990; 9 (9): 2835-2842
 - **THE CYTOPLASMIC DOMAIN OF THE CD8 ALPHA-CHAIN IS REQUIRED FOR ITS INTERACTION WITH P56LCK** *IMMUNOLOGY LETTERS*
Yao, L., Nakauchi, H., Honjo, T., Kawakami, T.
1990; 24 (4): 267-271
 - **COLONY FORMATION OF CLONE-SORTED HUMAN HEMATOPOIETIC PROGENITORS** *BLOOD*
Ema, H., Suda, T., Miura, Y., Nakauchi, H.
1990; 75 (10): 1941-1946
 - **COMPARATIVE STRUCTURE OF 2 DUPLICATED T1A CLASS-I GENES (T10C AND 37) OF THE MURINE H-2D MHC - IMPLICATIONS ON THE EVOLUTION OF THE T1A REGION** *JOURNAL OF IMMUNOLOGY*
Nakayama, K., Tokito, S., Jaulin, C., Delarbre, C., Kourilsky, P., Nakauchi, H., Gachelin, G.
1990; 144 (6): 2400-2408
 - **EARLY B-CELL DIFFERENTIATION FROM HEMATOPOIETIC STEM-CELLS IN THE PRESENCE OF STROMAL CELLS AND INTERLEUKIN-7 (IL-7)** *18TH ANNUAL MEETING OF THE INTERNATIONAL SOC FOR EXPERIMENTAL HEMATOLOGY : EXPERIMENTAL HEMATOLOGY TODAY - 1989*

- Suda, T., Ohara, A., Suda, J., Okada, S., TOKUYAMA, N., Miura, Y., Sudo, T., Nishikawa, S. I., Nakauchi, H.
SPRINGER-VERLAG.1990: 45-52
- **STRUCTURE AND EXPRESSION OF THE GENE ENCODING CD8-ALPHA CHAIN (LEU-2/T8) *IMMUNOGENETICS***
Nakayama, K., Tokito, S., Okumura, K., Nakauchi, H.
1989; 30 (5): 393-397
 - **EXPRESSION OF LEU M1 ANTIGEN ON A MONOCLONAL B-CELL LINE ESTABLISHED FROM A PATIENT WITH RHEUMATOID-ARTHRITIS *IMMUNOLOGY LETTERS***
Takei, M., Kang, H., Tomura, K., Ikeda, E., KARASAKI, M., Nakauchi, H., Okumura, K., Sawada, S.
1989; 23 (1): 43-47
 - **A STIMULATORY EFFECT OF RECOMBINANT MURINE INTERLEUKIN-7 (IL-7) ON B-CELL COLONY FORMATION AND AN INHIBITORY EFFECT OF IL-1-ALPHA *BLOOD***
Suda, T., Okada, S., Suda, J., Miura, Y., Ito, M., Sudo, T., Hayashi, S., Nishikawa, S., Nakauchi, H.
1989; 74 (6): 1936-1941
 - **AN IMPROVED METHOD TO MAKE SEQUENTIAL DELETION MUTANTS FOR DNA SEQUENCING *TRENDS IN GENETICS***
Nakayama, K., Nakauchi, H.
1989; 5 (10): 325-325
 - **GENERATION OF OSTEOCLASTS FROM ISOLATED HEMATOPOIETIC PROGENITOR CELLS *BLOOD***
Kurihara, N., Suda, T., Miura, Y., Nakauchi, H., Kodama, H., Hiura, K., Hakeda, Y., Kumegawa, M.
1989; 74 (4): 1295-1302
 - **ISOLATION AND CHARACTERIZATION OF THE MOUSE CD8 BETA-CHAIN (LY-3) GENES - ABSENCE OF AN INTERVENING SEQUENCE BETWEEN V-LIKE AND J-LIKE GENE SEGMENTS *JOURNAL OF IMMUNOLOGY***
Nakayama, K., Shinkai, Y., Okumura, K., Nakauchi, H.
1989; 142 (7): 2540-2546
 - **CONTROL OF CELL-GROWTH AND DIFFERENTIATION DURING EARLY B-CELL DEVELOPMENT BY STROMAL CELL MOLECULES *COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY***
Nishikawa, S. I., Hayashi, S. I., Ogawa, M., Kunisada, T., Nishikawa, S., Sudo, T., Nakauchi, H., Suda, T.
1989; 54: 171-174
 - **CONTROL OF CELL-GROWTH AND DIFFERENTIATION DURING EARLY B-CELL DEVELOPMENT BY STROMAL CELL MOLECULES *3RD SYMP ON IMMUNOLOGICAL RECOGNITION***
Nishikawa, S. I., Hayashi, S. I., Ogawa, M., Kunisada, T., Nishikawa, S., Sudo, T., Nakauchi, H., Suda, T.
COLD SPRING HARBOR LABORATORY PRESS.1989: 171-174
 - **ALTERED IMMUNE RESPONSIVENESS IN PATIENTS WITH CHRONIC GLOMERULONEPHRITIS *MICROBIOLOGY AND IMMUNOLOGY***
Nakauchi, H., Tango, T., Umezawa, Y., Ohno, I., Okumura, K.
1989; 33 (12): 1013-1025
 - **THE DISTINCT SUBGROUP OF PATIENTS WITH RHEUMATOID-ARTHRITIS SHOWN BY IG G3-REACTIVE RHEUMATOID-FACTOR *AUTOIMMUNITY***
Tokano, Y., Arai, S., Hashimoto, H., Hirose, S., Yagita, H., Nakauchi, H., Kumagai, Y., Arata, Y., Okumura, K.
1989; 5 (1-2): 107-114
 - **A HUMAN CELL-LINE OF CHRONIC MYELOGENOUS LEUKEMIA RELEASING A NOVEL VIRUS-LIKE PARTICLE *ACTA HAEMATOLOGICA JAPONICA***
Tange, T., Yamasaki, I., Nakahara, K., Nakauchi, H., Hayami, M., Tanaka, F., Mitani, K., Fujioka, S., Takanashi, R., Yoshino, T., Ohtsuki, Y., Yamaguchi, K., Urano, et al
1988; 51 (4): 752-758
 - **SEX IDENTIFICATION IN FRESH BLOOD AND DRIED BLOODSTAINS BY A NONISOTOPIC DEOXYRIBONUCLEIC-ACID (DNA) ANALYZING TECHNIQUE *JOURNAL OF FORENSIC SCIENCES***
Kobayashi, R., Nakauchi, H., Nakahori, Y., Nakagome, Y., Matsuzawa, S.
1988; 33 (3): 613-620
 - **MOUSE IMMUNOGLOBULIN ALLOTYPES - MULTIPLE DIFFERENCES BETWEEN THE NUCLEIC-ACID SEQUENCES OF THE IGEA AND IGBE ALLELES *IMMUNOGENETICS***

- Shinkai, Y., Nakauchi, H., Honjo, T., Okumura, K.
1988; 27 (4): 288-292
- **MOLECULAR-CLONING OF THE MURINE HOMOLOG OF CD2 - HOMOLOGY OF THE MOLECULE TO ITS HUMAN COUNTERPART T11** *JOURNAL OF IMMUNOLOGY*
Yagita, H., Okumura, K., Nakauchi, H.
1988; 140 (4): 1321-1326
 - **MOLECULAR EVIDENCE THAT SJL RETICULUM-CELL SARCOMAS ARE DERIVED FROM PRE-B-CELL - CLONAL REARRANGEMENT OF HEAVY-CHAIN BUT NOT OF LIGHT CHAIN IMMUNOGLOBULIN GENES** *JOURNAL OF IMMUNOLOGY*
Nakauchi, H., Osada, H., Yagita, H., Okumura, K.
1987; 139 (8): 2803-2809
 - **MOLECULAR-CLONING OF LYT-3, A MEMBRANE GLYCOPROTEIN MARKING A SUBSET OF MOUSE LYMPHOCYTES-T MOLECULAR HOMOLOGY TO IMMUNOGLOBULIN AND T-CELL RECEPTOR VARIABLE AND JOINING REGIONS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Nakauchi, H., SHINKAI, Y. I., Okumura, K.
1987; 84 (12): 4210-4214
 - **ISOLATION AND CHARACTERIZATION OF THE GENE FOR THE MURINE T-CELL DIFFERENTIATION ANTIGEN AND IMMUNOGLOBULIN-RELATED MOLECULE, LYT-2** *NUCLEIC ACIDS RESEARCH*
Nakauchi, H., Tagawa, M., Nolan, G. P., Herzenberg, L. A.
1987; 15 (10): 4337-4347
 - **FORMAL PROOF THAT DIFFERENT-SIZE LYT-2 POLYPEPTIDES ARISE FROM DIFFERENTIAL SPLICING AND POSTTRANSCRIPTIONAL REGULATION** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Tagawa, M., Nakauchi, H., Herzenberg, L. A., Nolan, G. P.
1986; 83 (10): 3422-3426
 - **MOLECULAR-CLONING OF LYT-2, A MEMBRANE GLYCOPROTEIN MARKING A SUBSET OF MOUSE LYMPHOCYTES-T - MOLECULAR HOMOLOGY TO ITS HUMAN COUNTERPART, LEU-2/T8, AND TO IMMUNOGLOBULIN VARIABLE REGIONS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Nakauchi, H., Nolan, G. P., Hsu, C., Huang, H. S., Kavathas, P., Herzenberg, L. A.
1985; 82 (15): 5126-5130
 - **PRODUCTION OF INTERLEUKIN-3 AND GAMMA-INTERFERON BY AN ANTIGEN-SPECIFIC MOUSE SUPPRESSOR T-CELL CLONE** *JOURNAL OF IMMUNOLOGY*
Koyasu, S., Nakauchi, H., Kitamura, K., Yonehara, S., Okumura, K., Tada, T., Yahara, I.
1985; 134 (5): 3130-3136
 - **THE ROLE OF PERIPHERAL-BLOOD LYMPHOCYTE-T AND LYMPHOCYTE-B IN MITOGEN RESPONSES DURING HUMAN-PREGNANCY** *JOURNAL OF CLINICAL & LABORATORY IMMUNOLOGY*
Hirahara, F., Gorai, I., Kusaba, T., Sumiyoshi, Y., Minaguchi, H., Nakauchi, H.
1985; 16 (4): 191-195
 - **T-CELL SUBSETS IN PATIENTS WITH GASTRIC-CANCER** *ONCOLOGY*
Watanabe, T., Nakauchi, H., Kitaoka, H., Matsuki, K., Okumura, K., Nomura, K., Takakura, K.
1985; 42 (2): 89-91
 - **ESTABLISHMENT AND FUNCTIONAL-ANALYSIS OF A CLONED, ANTIGEN-SPECIFIC SUPPRESSOR EFFECTOR T-CELL LINE** *JOURNAL OF IMMUNOLOGY*
Nakauchi, H., Ohno, I., Kim, M., Okumura, K., Tada, T.
1984; 132 (1): 88-94
 - **PROLONGED SURVIVAL OF DOG KIDNEY ALLOGRAFTS INDUCED BY A MONOCLONAL ANTI-IA ANTIBODY** *TRANSPLANTATION*
Yamamoto, K., Watanabe, T., Otsubo, O., Nakauchi, H., Okumura, K.
1984; 37 (4): 419-420
 - **CHARACTERIZATION OF AN ANTIGEN-SPECIFIC SUPPRESSIVE FACTOR DERIVED FROM A CLONED SUPPRESSOR EFFECTOR T-CELL LINE** *JOURNAL OF IMMUNOLOGY*
Kitamura, K., Nakauchi, H., Koyasu, S., Yahara, I., Okumura, K., Tada, T.

1984; 133 (3): 1371-1378

- **A QUANTITATIVE-ANALYSIS OF CELL-SURFACE GLYCOSPHINGOLIPID WITH A FLUORESCENCE ACTIVATED CELL SORTER** *JOURNAL OF IMMUNOLOGICAL METHODS*

Iwamori, M., Mogi, M., Hirano, Y., Nishio, M., Nakauchi, H., Okumura, K., Nagai, Y.
1983; 57 (1-3): 381-389

- **RESTRICTING ELEMENTS IN THE IMMUNOLOGICAL CIRCUITRY - THE ROLE OF I-REGION-CONTROLLED DETERMINANTS** *ANNALS OF THE NEW YORK ACADEMY OF SCIENCES*

Tada, T., Okumura, K., Miyatani, S., Ochi, A., Nakauchi, H., Karasuyama, H.
1983; 418 (DEC): 189-197

- **ANALYSES OF ADULT T-CELL LEUKEMIA USING THE MONOCLONAL (ANTI-LEU-1, ANTI-LEU-2A, AND ANTI-LEU-3A) AND HETEROLOGOUS ANTI-GLYCOLIPID (ANTI-ASIALO GM1) ANTIBODIES** *CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY*

Nakahara, K., Ohashi, T., Ichimaru, M., AMAGASAKI, T., Shimoyama, M., Nakauchi, H., Okumura, K.
1982; 25 (1): 43-52

- **IMMUNOGLOBULIN LEVELS IN PATIENTS ON LONG-TERM HEMODIALYSIS** *NEW ENGLAND JOURNAL OF MEDICINE*

Nakauchi, H., Okumura, K., Tango, T.
1981; 305 (3): 172-173

- **[Technics of monoclonal antibody production with hybridomas and their medical application].** *Nihon rinsho. Japanese journal of clinical medicine*

Yamamoto, K., Nakauchi, H., Okumura, K.
1981; 39 (12): 3788-3795