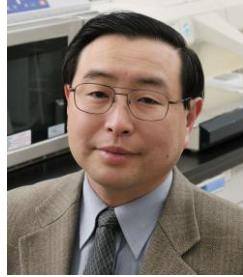


CURRICULUM VITAE

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As of 04/01/14

Personal Data

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Outside positions	2007- Visiting Professor, Graduate School of Bioscience and Biotechnology, Tokyo Tech-RIKEN International School, Tokyo Institute of Technology 2012- Visiting Professor, Graduate School of Biomedical Science, Biomedical Science PhD Program, Tokyo Medical and Dental University	
Marital Status	Married, Yoko Kojima One Child: Yuta (University of Tokyo, Japan)	

Education/Training:

1985	B.Sci. Tokyo Institute of Technology, Tokyo, Japan (Mentor, Prof. Y. Inada)
1990	Ph.D. Tokyo Institute of Technology, Graduate School of Science, Tokyo, Japan (Mentors, Profs. S. Hirose & Y. Saito)

Post-graduate Positions:

1988 - 1990	Fellow, the Japan Society for the Promotion of Science (JSPS)
1990 - 1993	Research Fellow in Cell Biology (Mentor, Prof. D.B. Rifkin), New York University School of Medicine, New York, NY
1993 - 1994	Special Postdoctoral Researcher, Tsukuba Life Science Center, RIKEN, Tsukuba, Ibaraki, Japan
1994 - 1999	Research Scientist, Tsukuba Life Science Center, RIKEN, Tsukuba, Ibaraki, Japan
1999 - 2002	Senior Research Scientist, Tsukuba Life Science Center, RIKEN, Tsukuba, Ibaraki, Japan
2003-2007	Research Unit Leader, Molecular Cellular Pathology Research Unit, Discovery Research Institute, RIKEN, Wako, Saitama, Japan
2004-2007	Visiting Lecturer, Graduate School of Life and Environmental Sciences, University of Tsukuba, Tsukuba, Ibaraki, Japan
2008-2013	Team Leader, Molecular Ligand Biology Research Team, Chemical Genomics Research Group, Chemical Biology Department, RIKEN Advanced Science Institute, Wako, Saitama, Japan
2007-	Visiting Professor, Tokyo Institute of Technology, Tokyo, Japan
2007	Visiting Professor, University Louis Pasteur, Strasbourg, France
2012-	Visiting Professor, Tokyo Medical and Dental University, Tokyo, Japan
2013-	Unit Leader, Micro-Signaling Regulation Technology Unit, Imaging Application Group, Division of Bio-function Dynamics Imaging, RIKEN Center for Life Science Technologies, Wako, Saitama, Japan

Awards and Honors:

1993	Ryoichi Naito Foundation for Medical Research Award
1994	Ito Foundation Research Award
1996	Naito Foundation Research Award
1996	Shorai Foundation for Science and Technology Research Award
1997	Sumitomo Foundation Research Award
1997	Tokyo Biochemical Research Foundation Research Award
1999	Best Poster Award, Japanese Society for Thrombosis and Hemostasis
2000	Fellowship from Japanese Vascular Biology Meeting
2002	Shiseido Fund for Science and Technology Research Award
2003	Nakatomi Foundation Research Award
2004	Mitsubishi Pharma Research Foundation Research Award
2005	Foundation for Promotion of Cancer Research Research Award
2005	3 rd Pfizer Science and Research Symposium "Excellence Award"
2006	Itsuu Foundation Research Award
2008	Poster Award, 3 rd Intl Symp ALPDC
2009	Poster Award, 4 th Intl Symp ALPDC
2010	Uragami Foundation Research Award
2012	Uehara Memorial Foundation Research Award

Professional Membership:

Japanese Biochemical Society (1985-)
Japanese Society for Thrombosis and Hemostasis (1985-;
Member of Council (1998-), Member of editorial board (2004-2007))
Japanese Pharmaceutical Society (1993-)
Japanese Society for Hematology (1996-2007)
Japanese Society for Vascular Biology (1998-)
Japanese Society for Molecular Biology (2000-)
Japanese Society of Retinoid Research (1993-; member of secretary
board (2003-); President (2006-2007))
Japanese Society of Transglutaminase Research (1997-; founder and
member of secretary board (1997-))
American Society for Biochemistry and Molecular Biology (2000-)
International Society for Thrombosis and Hemostasis (2003-)
Japan Society of Hepatology (2007-)
International Society for Hepatic Sinusoidal Research (2009-)
American Association for Study of Liver Diseases (2009-)
The Japanese Association Molecular Target Therapy of Cancer (2010-)

Reviewer:

HFSP Mail Reviewer (1998), NEDO (2002-), Grants-in-Aids from the
Ministry of Education, Science, Sports and Culture (2010-)
OTKA Research Proposal (2011)
Journal of Cellular Physiology, FEBS Letters, Gastroenterology,
Journal of Biochemistry, Hepatology, Blood, Oncogene, PNAS,
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<Inside Grants>
Biodesign Research Program (1995-1999)
Multibioprobe Research Program (1997-2002)
Chemical Biology Research Program (2003-2007)
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Chemical Genomics Research Program (2008-2012)

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Special Coordination Funds for Promoting Science and Technology from the Science and Technology Agency (1998-2004)
Ono Pharmaceuticals (1995-1996)
Nikken Chemical Company (2000)
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Program for Promotion of Fundamental Studies in Health Sciences of the National Institute of Biomedical Innovation (2007-2011)
Kowa Company Ltd. (2010-2011)
The Research on the Innovative Development and the Practical Application of New Drugs for Hepatitis B, the Ministry of Health, Labor and Welfare of Japan (2012-2017)
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Research Interests:

Molecular Mechanism of Retinoid Action
Tissue Fibrinolysis and Cytokine Activation
Liver Fibrosis and Regeneration
Vascular Biology (Atherosclerosis & Angiogenesis/Vasculogenesis)
Transglutaminase, Apoptosis, and Cancer
Chemical Biology

Publications

1. Shimonaka, M., Hagiwara, H., Kojima, S., and Inada, Y. (1984) Successive study on the production of plasminogen activator in cultured endothelial cells by phytosterol. *Thromb. Res.* 36(3): 217-222.
2. Inada, Y., Hagiwara, H., Kojima, S., Shimonaka, M., and Saito, Y. (1985) Synergism of vitamins A and C on fibrinolysis. *Biochem. Biophys. Res. Commun.* 130(1): 182-187.
3. Shimonaka, M., Kojima, S., Hagiwara, H., and Inada, Y. (1985) Novel plasmin inhibitors released from bovine platelets during aggregation. *Thromb. Res.* 39(4): 419-427.
4. Shinjo, M., Hirata, Y., Hagiwara, H., Akiyama, F., Murakami, K., Kojima, S., Shimonaka, M., Inada, Y., and Hirose, S. (1986) Characterization of atrial natriuretic factor receptors in adrenal cortex, vascular smooth muscle and endothelial cells by affinity labeling. *Biomed. Res.* 7(1): 35-38.
5. Hagiwara, H., Nakajo, S., Nakaya, K., Nakamura, Y., Kojima, S., Shimonaka, M., and Inada, Y. (1986) Retinol-induced protein phosphorylation and emergence of a new protein species in endothelial cells. *Chem. Pharm. Bull.* 34(4): 1830-1833.
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47. Kojima, S. (1998) Studies on retinoid-fibrinolysis-TGF- β system: demonstration of the theory and implications (Review). *RIKEN Review* 18: 39-40.
48. Okuno, M., Nagase, S., Shiratori, Y., Moriwaki, H., Muto, Y., Kawada, N., and Kojima, S. (1999) Retinoids and liver fibrosis. In *Liver Diseases and Hepatic Sinusoidal Cells*. (Tanikawa, K. and Ueno, T. eds.), Springer-Verlag, Tokyo, pp. 232-241.
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117. Furutani, Y., Tatsukawa, H., Lee, E-S., Hitomi, K., and Kojima, S. Opposing functions of a protein crosslinking enzyme, transglutaminase 2 – Dr. Jekyll and Mr. Hyde in the regulation of cell growth and death-. (*Review*)*J.Biochem.* MS in preparation.
118. Shrestha, R., Tatsukawa, H., Kose, S., Imamoto, N., and Kojima, S. A molecular mechanism of nuclear localization of transglutaminase2 by acyclic retinoid. MS in preparation.

Invited Speeches at Abroad and International Conferences

1. Kojima, S. "Midkine and fibrinolytic regulation." *1996 Gordon Research Conference on Thrombolysis*. Ventura, CA, February, 1996.
2. Kojima, S. "Retinoids exacerbate hepatic fibrosis via induction of proteolytic activation of TGF- β ." *New York University, Dept Cell Biol. Seminar*, New York, NY, August, 1999.
3. Kojima, S. "Molecular mechanism of retinoid-induced apoptosis via induction of tissue transglutaminase: cross-linking of transcription factor Sp1 by tissue transglutaminase." *UC Davis Medical Center Seminar*, Sacramento, CA, May, 2000.
4. Okuno, M., Akita, K., Sano, T., Nishiwaki, R., Moriwaki, H., and Kojima, S. "Acyclic retinoid on liver cancer and fibrosis." *AASLD Basic Research Single Topic Conference on Mechanisms and Therapy of Hepatic Fibrosis*, Warrenton, VA, June, 2000.
5. Kojima, S., Akita, K., Kawada, N., Ikeda, K., Kaneda, K., Suzuki. Y., Moriwaki, H., and Okuno, M. "Fibrogenic role of plasminogen activator/plasmin: Prevention of rat hepatic fibrosis by protease inhibitor, camostat mesilate, via suppressing the formation of TGF- β ." *AASLD Basic Research Single Topic Conference on Mechanisms and Therapy of Hepatic Fibrosis*, Warrenton, VA, June, 2000.
6. Kojima, S. "A novel pathway of tissue transglutaminase-dependent apoptosis: cross-linking of transcription factor Sp1 by tissue transglutaminase." *University of Texas-Houston Medical School, Department of Integrative Biology & Pharmacology Seminar Series*, Houston, TX, June, 2000.
7. Kojima, S. "Role of the Sp1 transcription factor pathway in cancer, vascular and hepatic diseases." *CSIC Seminar at Centro de Investigaciones Biológicas*, Madrid, Spain, September, 2002.
8. Kojima, S. "Mechanism of retinoid-induced apoptosis via tissue transglutaminase." *Seminar at Univ of Debrecen*, Debrecen, Hungary, September, 2002.
9. Kojima, S. "Cross-linking inactivation of transcription factor Sp1 by tissue transglutaminase: a mechanism for ethanol-induced hepatic apoptosis." *2nd Japanese-Hungarian Transglutaminase Conference*, Heviz, Hungary, September, 2003.
10. Kojima, S. "Role of transglutaminase in vascular biology." *CDD/Seminar at Rome University*, Rome, Italy, September, 2004.
11. Kojima, S. "Chemical pathobiology of cancer, and vascular and hepatic diseases using retinoids and other bioprobes." *CSIC Seminar at Centro de Investigaciones Biológicas*, Madrid, Spain, September, 2004.
12. Kojima, S. "Retinoid and hepatic and vascular diseases". *Seminar at University of Debrecen*, Debrecen, Hungary, September, 2005.
13. Kojima, S., "Analysis of TGF- β Activation and Related Reactions using Bioprobes." *The 3rd International Chemical Biology Frontier Symposium*, Tokyo, Japan, February, 2007.
14. Kojima, S. "Detection and prevention of liver diseases by targeting TGF- β activation reaction and transglutaminase-induced hepatic cell death." *Frontiers in Pathology Cellular Homeostasis Research Lecture Series Spring 2007*, Los Angeles (University of Southern California), USA, March, 2007.
15. Kojima, S. "Detection and prevention of hepatic fibrosis targeting proteolytic TGF- β activation reaction." *Molecular & Cellular Biology of Plasminogen Activation*, Var Gard Saltsjobaden, Sweden, June, 2007.
16. Kojima, S. "Expression and function of KLF6 in the vascular endothelial cells." *1st Int Symp on the Biology of the Krüppel-like Factors*, Tokyo, Japan, March, 2008.

17. Kojima, S. "Crosslinking and silencing of Sp1 by transglutaminase during liver injury." *1st Gordon Research Conference on Transglutaminases in Human Disease Processes*, Davidson, NC, USA, July, 2010.
18. Kojima, S. "Induction of transglutaminase 2 during the pathogenesis of both alcoholic steatohepatitis and non-alcoholic steatohepatitis." *2010 ISBRA World Congress*, Paris, France, September, 2010.
19. Kojima, S. "Induction of crosslinking and silencing of Sp1 by transglutaminase during liver injury in ASH and NASH via different ER stress pathways." *5th Int Meeting on Alcoholic Liver and Pancreatic Diseases (ALPD) and Cirrhosis*, Freiburg, Germany, October, 2010.
20. Kojima, S. "Molecular mechanisms by which retinoids inhibit tumor angiogenesis." *16th International Symposium on Carotenoids*, Kraków, Poland, July, 2011.
21. Kojima, S. "Roles of transglutaminase in liver diseases and treatment with acyclic retinoid" *2nd KAIST Biomedical Science Symposium*, Daejeon, Korea, August, 2011.
22. Kojima, S. "Regulation of transglutaminase-mediated hepatic cell death in ASH/NASH" *6th International Symposium on ALPD and Cirrhosis*, Fukuoka, Japan, October 2011.
23. Kojima, S. "Acyclic retinoid induces tumor-selective cell death in hepatocarcinoma tumor stem cells and inhibits angiogenesis via suppressing phosphorylation" *2012 FASB Summer Conference on Retinoids*, Snowmass, CO, USA, June 2012.
24. Kojima, S. " Essential role of transglutaminase 2 in tumor angiogenesis" *2nd Gordon Research Conference on Transglutaminases in Human Disease Processes*, Davidson, NC, USA, July, 2012.
25. Kojima, S. "Non-genomic and genomic actions of acyclic retinoid" *1st International Retinoids Meeting 2013*, Calabria, Italy, September, 2013.

Major Patents

1. Kojima, S., Dohmae, N., and Kondo, W. "Methodes of use of antibodies which recognize a protease cleavage site of an LAP fragment of TGF- β ." US 7,803,553 (Sep.28, 2010); US8, 198, 412 (June 12, 2012); JP4653660 (Dec.24, 2010); EU 04772928.0 under consideration
2. Kojima, S., Kondo, W., Kakeya, H., Osada, H., Sakamoto, Y., and Nakata, T. "Inhibitor of TGF- β signal transduction pathway." JP4688680 (Feb.25, 2011)
3. Kojima, S., and Takeda, R. "Amber extracts with a skin turnover-stimulating activity and their application"JP4953204 (March 23, 2012)
4. Kojima, S., and Teraoka, R. "Inhibitor of TGF- β activation reaction." US 7,732,401 (Jun.8, 2010); EU 1967526 (Feb.24,2010); JP 2008-058486 under consideration
5. Kojima, S., Takeda, R., and Umehira K. "Amber extracts with a hyaluronan production-stimulating activity and their application"JP4953203 (March 23, 2012)