

PUBLICATIONS & PRESENTATIONS

Peer reviewed publications:

1. Ramos, T, Wang T, Maki CB, Pascual M, Izadyar F. Adipose Stem Cell Side Population in the Mouse. *Journal of Tissue Engineering and Regenerative Medicine* 2009; 3(6):430-41.
2. Maki CB, Pacchiarotti J, Ramos T, Pascual M, Pham J, Kinjo J, Anorve, S, Izadyar F. Phenotypic and Molecular Characterization of Spermatogonial Stem Cells in Adult Primate Testes. *Human Reproduction* 2009; 24(6):1480-91
3. Maki CB, Howerton K, Pacchiarotti J, Ramos T, Wong J, Marh J, Pham J, Kinjo J, Chow YC, Izadyar F. Spermatogonial Stem Cells Isolated from Adult Primate Testes Produce Neural Trunks with Dopaminergic Characteristics. *Journal of Neurodegeneration and Regeneration* 2011; 3:1, 19-31.
4. Supronowicz P, Gill E, Trujillo A, Thula T, Zhukauskas R, Ramos T, Cobb RR. Human Adipose-Derived Side Population Stem Cells Cultured on Demineralized Bone Matrix for Bone Tissue Engineering. *Tissue Engineering* 2010; Part A. Dec 6.
5. Pacchiarotti J, et al. Differentiation Potential of Germ Line Stem cells derived from the Postnatal Mouse Ovary. *Differentiation* 2010;79(3):159-170.
6. Izadyar F, Wong J, Maki C, Pacchiarotti J, Ramos T, Howerton K, Yuen C, Greilach S, Zhao H, Chow M, Chow YC, Rao J, Barritt J, Bar-Chama N, Copperman A. Identification and Characterization of Repopulating Spermatogonial Stem Cells from the Adult Human Testis. *Human Reproduction* 2011; 6: 1296-1306.
7. Pacchiarotti J, Ramos T, Howerton K, Greilach S, Zaragoza K, Olmstead M, Izadyar F. Developing a clinical grade cryo-preservation protocol for human testicular Tissue and Cells. *BioMed Research International* 2013; Volume 2013, Article ID 930962, 10 pages.
8. Ying Wang, Xiaodong Chen, Wei Cao, Yufang Shi. Plasticity of mesenchymal stem cells in immunomodulation: pathological and therapeutic implications. *Nat Immunol.* 2014 Nov;15(11):1009-16. doi: 10.1038/ni.3002.
9. Yan Liu, Xue Yang, Yingying Jing, Shanshan Zhang, Chen Zong, Jinghua Jiang, Kai Sun, Rong Li, Lu Gao, Xue Zhao, Dong Wu, Yufang Shi, Zhipeng Han, Lixin Wei. Contribution and Mobilization of Mesenchymal Stem Cells in a mouse model of carbon tetrachloride-induced liver fibrosis, *Sci Rep.* 2015 Dec 8;5:17762. doi: 10.1038/srep17762.
10. Wei Cao, Kai Cao, Jianchang Cao, Ying Wang, Yufang Sh. Mesenchymal stem cells and adaptive immune responses. *Immunol Lett.* 2015 Dec;168(2):147-53. doi: 10.1016/j.imlet.2015.06.003.
11. Maki C, Ramos T, and Izadyar F. Cell-Based Therapy in Veterinary Medicine. *Frontiers in Stem Cell and Regenerative Medicine Research.* 2017 eBook. (accepted, in press)
12. Yufang Shi, Yu Wang, Qing Li, Keli Liu, Jianquan Hou, Changshun Shao, Ying Wang. Immunoregulatory mechanisms of mesenchymal stem and stromal cells in inflammatory diseases, *Nat Rev Nephrol.* 2018 Aug;14(8):493-507.
13. Zheng Gong, Bingxue Shang, Yunpeng Chu, Xiaodong Chen, Qing Li, Keli Liu, Yongjing Chen, Yin Huang, Yanyan Han, Qianwen Shang, Zhiyuan Zheng, Lin Song, Yanan Li, Rui Liu, Chenchang Xu, Xiaoren Zhang, Baochi Liu, Luowei Wang, Changshun Shao, Ying Wang, Yufang Shi. Fibrotic liver microenvironment promotes Dll4 and SDF-1-dependent T-cell lineage development. *Cell Death Dis.* 2019 Jun 5;10(6):440. doi: 10.1038/s41419-019-1630-1.

Poster Presentations:

1. Stem Cells 2006: Expansion and Differentiation of Reprogrammed Adult Human Germ Cell-Derived Stem Cells after Optimization of Adherent Culture Conditions; Slepko N, Silva F, Pau F, Izadyar F, Maki C, Howerton K, Pham J, Pacchiarotti J, Ramos T, Marh J, and Sayre C.
2. Stem Cells 2006: Chondrogenic Differentiation of Mouse Derived Adult Germ Cell; Howerton K, Pham J, Silva F, Izadyar F, Javier C, Pau F, Marh J, Slepko N, Sayre C.

PUBLICATIONS & PRESENTATIONS

3. *4th Annual Meeting of the International Society for Stem Cell Research (ISSCR) 2006: Differentiation of Isolated Adult Human Testicular Stem cells into Neural Lineage*; Slepko, N, Silva F, Pau F, Izadyar F, Ramos T, Pacchiarotti J, Marh J, Maki C, Pham J, and Sayre C.
4. *Serono Symposia International's Therapeutic Potential of Stem Cells in Reproductive Medicine conference 2006: Therapeutic reprogramming of Adult Human Germ Cells*; Silva F, Pau F, Izadyar F, Slepko N, Wang T, Sayre C.
5. *Keystone Symposium 2005: Stem Cells, Senescence and Cancer: Reprogramming of Spermatogonial Stem Cells into Pluripotent Germ-line Stem Cells in Mouse*; Silva F, Pau F, Izadyar F, Sayre C.
6. *Kyoto International Symposium 2005: Isolation, Reprogramming and Differentiation of Germ-line Stem Cells from Adult Human Tissue*; Silva F, Pau F, Izadyar F, Sayre C.
7. *International Society of Stem Cell Research, Whistler, British Columbia, Canada 2006*: Slepko N, Silva F, Pau K-Y F, Izadyar F, Pacchiarotti J, Howerton K, Marh J, Maki CB, Pham J, Sayre C. *Differentiation of Isolated Adult Human Testicular Stem Cells into Neural Lineage*.
8. *6th Annual Meeting of the International Society for Stem Cell Research (ISSCR) 2008: Adipose Derived Satellite Stem Cell Side Population in Human and Mouse*; Ramos T, Pascual M, Wang T, Supronowicz, Silva F, Izadyar F, Sundsmo J.
9. *International Society of Fertility Preservation 2011: Isolation and Cryopreservation Efficiency of Cells Obtained from Prepubertal and Adult Testes*; Pacchiarotti J, Howerton K, Greilach S, Zaragoza K, Olmstead M, Yuen C, Zhao H, Dang T, Chow M, Chen Y, Chow JYC, Rao J, Izadyar F.
10. *International Society of Fertility Preservation 2011: Chemotherapy Depletes Testicular Germ Cells and Has a Detrimental Effect on Male Fertility*; Greilach S, Pacchiarotti J, Ramos TV, Howerton K, Zaragoza K, Olmstead M, Yuen C, Zhao H, Dang T, Chow M, Rao A, Chen Y, Chow JYC, Rao J, Izadyar F. *International Society of Fertility Preservation 2011: Development of a Potency Assay for Mouse Spermatogonial Stem Cells (SSCs)*; Howerton K, Greilach S, Pacchiarotti J, Ramos TV, Zaragoza K, Olmstead M, Yuen C, Zhao H, Dang T, Rao A, Chow M, Kao Y, Chow JYC, Rao J, Izadyar F.
11. *International Society of Fertility Preservation 2011: Identification and Characterization of Stem Cells in Primate Ovary*; Ramos TV, Pacchiarotti J, Zhao H, Howerton K, Greilach S, Zaragoza K, Olmstead M, Dang T, Kao Y, Yuen C, Chow JYC, Rao J, Izadyar F.
12. *American Society of Reproductive Medicine 2012: Identification and characterization of repopulating spermatogonial stem cells from the adult human testis*. Izadyar F, Pacchiarotti J, Ramos T, Howerton K, Yuen C, Greilach S, Chow YC, Rao J, Bar-Chama N, Copperman A. *Int.JFS* 2012; 6:31.
13. *Zaragoza K, Pacchiarotti J, Greilach S, Howerton K, Wang T, Kinjo J, Ramos T, Izadyar F. Existence of Repopulating Germ-line Stem Cells in Postnatal Primate Ovary. 2014 Oncofertility Chicago IL USA.*

Oral Presentations:

1. *American Society of Reproductive Medicine 2012: Identification and characterization of repopulating spermatogonial stem cells from the adult human testis*. Izadyar F, Pacchiarotti J, Ramos T, Howerton K, Yuen C, Greilach S, Chow YC, Rao J, Bar-Chama N, Copperman A.
2. *Korean Society of Animal Reproduction (KSAR) 2010: Existence of Functional Germline Stem Cells in the Postnatal Mouse Ovary*. *Reproductive and Developmental Biology* Volume 34, Supplement 2, 2010; IS-006, 11.
3. *Royan International Twin Congress 2012. Identification and characterization of repopulating spermatogonial stem cells from the adult human testis*. Izadyar F, Pacchiarotti J, Ramos T, Howerton K, Yuen C, Greilach S, Chow YC, Rao J, Bar-Chama N, Copperman A. *I.J.F.S. Volume 6, Supplement 1, 2012; O-3, 31.*
4. *Royan International Twin Congress 2013. Clinical Grade Isolation and Cryopreservation of Human Testicular Cells*. Pacchiarotti J, Ramos T, Howerton K, Greilach S, Zaragoza K, Olmsted M, Izadyar F. *I.J.F.S. Volume 7, Supplement 1, 2013; O-15, 36.*
5. *Royan International Twin Congress 2014. Maturation of Spermatogenic Cells in Artificial Seminiferous Tubules*. Greilach S, Pacchiarotti J, Howerton K, Zaragoza K, Kinjo J, Ramos T, Maki C, Izadyar F.
6. *UCLA and UC Davis - Craniomaxillofacial Disorders and Solutions in Man and Animals Conference. Maki C. 11, 2016*

PUBLICATIONS & PRESENTATIONS

Significant Achievements:

1. *Pioneer in identification and characterization of male germline stem cells and demonstrate their non-teratogenicity and multipotentiality (Izadyar et al., 2008; Maki et al., 2009; Izadyar et al., 2011).*
2. *First in the world to demonstrate existence of multipotent germline stem cells in postnatal ovary (Pacchiarotti et al., 2010).*
3. *First in the world to produce beating cardiomyocytes and dopaminergic neurons from male germline stem cells (Maki et al., 2011).*
4. *First in the world to report the existence of adipose SP stem cells (Ramos et al., 2009).*
5. *First to show the ability of adipose SP stem cells for wound healing and scar reduction (Ramos et al., 2009).*
6. *First to show the capability of adipose SP stem cells for bone and cartilage regeneration (Supronowicz et al., 2011).*
7. *Pioneer in non-viral methods for production of IPS cells*