

JUN WU, PhD

Department of Molecular Biology
UT Southwestern Medical Center

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Google scholar: <https://scholar.google.com/citations?user=d0cvkx8AAAAJ&hl=en>

EDUCATION

- 08/2003 – 12/2008 Ph.D.
Laboratory of Dr. Yisong Wang
Department of Genome Science and Technology
University of Tennessee, Knoxville, TN
- 08/1995 – 07/2001 MBBS
Department of Clinical Medicine
Shandong University School of Medicine, Shandong, China

PROFESSIONAL EXPERIENCE

- 01/2018 – Present Assistant Professor
Department of Molecular Biology
UT Southwestern Medical Center, Dallas, TX
- 02/2016 – 12/2017 Staff Scientist
Gene Expression Laboratory
Salk Institute for biological studies, La Jolla, CA
Laboratory of Dr. Juan Carlos Izpisua Belmonte
- 10/2012 – 01/2016 Research Associate
Gene Expression Laboratory
Salk Institute for biological studies, La Jolla, CA
Laboratory of Dr. Juan Carlos Izpisua Belmonte
- 1/2009 – 9/2012 Postdoctoral Fellow
Department of Stem Cell Biology and Regenerative Medicine
University of Southern California, Los Angeles, CA
Laboratory of Dr. Martin F. Pera

HONORS AND AWARDS

- 2022 NYSCF-Robertson Stem Cell Investigator Awards
- 2019 University of Texas Southwestern Medical Center Grossman Investigator Award
- 2017 University of Texas Southwestern Medical Center Endowed Scholar (Virginia Murchison Linthicum Scholar in Medical Research)
- 2017 Cancer Prevention Research Institute of Texas (CPRIT) Scholar Recruitment of First-Time, Tenure-Track Faculty Members

PROFESSIONAL MEMBERSHIPS

2010 – Present	International Society for Stem Cell Research (ISSCR)
2022 – Present	Society for Developmental Biology (SDB)
2022 – Present	American Society for Reproductive Medicine (ASRM)

SELECTED PUBLICATIONS

(* Co-first authors # Co-corresponding authors)

Under Reviews/Revision

- 1) Hu, Y*, Sun, H-X*, Sakurai, M*, Jones, A., Liu, L., Cheng, T., Zheng, C., Li, J., Ravaux, B., Luo, Z., Ding, Y., Liu, T., Wu, Y., Chen, E., Chen, Z., Abrams, J., Gu, Y#, Wu, J#. (*Under revision*)
- 2) Wei, Y*, Zhang, E*, Yu, L*, Guo, L., Sakurai, M., Takii, S., Ci, B., Liu, J., Schmitz, D., Ding, Y., Zhan, L., Zheng, C., Sun, H., Xu, L., Okamura, D., Ji, W., Tan, T#, Wu, J#. Dissecting crosstalk between embryonic and extra-embryonic tissues with stem cell co-culture. (*Under revision*)
- 3) Yu, L*, Ezashi, T*, Wei, Y*, Duan, J*, Logsdon, D*, Zhan, L., Nahar, A., Arteaga, C., Liu, L., Stobbe, C., Katz-Jaffe, M., Schoolcraft, W., Wang, L., Tan, T., Hon, G#, Yuan, Y#, Wu, J#. Large scale production of human blastoids amenable to modeling blastocyst development and maternal-fetal cross-talk. (*Under revision*)

Research Articles

- 1) Gong, Y*, Bai, B*, Sun, N*, Ci, B*, Shao, H*, Zhang, T*, Zhang, L*, Zhang, Y., Liu, L., Zhao, H., Yao, H., Wang, T., Li, S., Wei, Y., Wu, H., Liu, B#, Ji, W#, Wu, J#, Chen, Y#, Tan, T#. Ex utero monkey embryogenesis from blastocyst to early organogenesis. *Cell* (*in press*)
- 2) Pinzon-Arteaga, CA*, Wang, Y*, Wei, Y*, Li, L., Ribeiro Orsi, A., Scatolin, G., Liu, L., Sakurai, M., Ye, J., Yu, L., Li, B., Jiang, Z#, Wu, J#. Bovine blastocyst like structures derived from stem cell cultures. *Cell Stem Cell* (*in press*)
- 3) Wang, Y., Yu, L., Li, L., Zhu, L., Ming, H., Pinzon-Arteaga, CA., Sun, H-X., Wu, J#, Jiang, Z#. Establishment of bovine trophoblast stem cells. *Cell Reports* (*in press*)
- 4) Luo, Q., Pui, H., Chen, J., Yu, L., Jannig, P., Pei, Y., Zhao, L., Chen, X., Petropoulos, S., Ruas, J., Wu, J., Deng, Q. Epiblast-like stem cells established by Wnt/b-catenin signaling manifest distinct features of formative pluripotency and germline competence. *Cell Reports* 42, 112021.
- 5) Zhai, J*, Guo, J*, Wan, H*, Qi, L*, Liu, L*, Xiao, Z., Yan, L., Schmitz, D., Xu, Y., Yu, D., Wu, X., Zhao, W., Yu, K., Jiang X#, Guo, F#, Wu, J#, Wang, H#. Deciphering primate gastrulation and early organogenesis at single-cell resolution. *Nature* 612, 732-738.
- 6) Tan, T*#, Wu, J*#, Si, C*, Dai, S*, Zhang, Y*, Sun, N., Zhang, E., Shao, H., Si, W., Yang, P., et al. (2021). Chimeric contribution of human extended pluripotent stem cells to monkey embryos ex vivo. *Cell* 184, 2020–2032.e14.
- 7) Yu, L*, Wei, Y*, Duan, J*, Sakurai, M., Li, Chang., Wang, L., Schmitz, D., Wang, K., Zhao, S., Hon, G#, Wu, J#. (2021). Blastocyst-like structures generated from human pluripotent stem cells. *Nature* 591, 620–626.
- 8) Zheng, C*, Hu, Y*, Sakurai, M*, Pinzon Arteaga, C., Li, J., Wei, L., Okamura, D., Sun, X., Gu, Y., Wu, J. (2021). Cell competition constitutes a barrier for interspecies chimerism. *Nature* 592, 272–276.
- 9) Liu, T*, Li, J*, Yu, L*, Sun, H.-X., Li, J., Dong, G., Hu, Y., Li, Y., Shen, Y., Wu, J#, Gu, Y#. (2021). Cross-species single-cell transcriptomic analysis reveals pre-gastrulation developmental differences among pigs, monkeys, and humans. *Cell Discovery* 2018 4:1 7, 1–17.

- 10) Yu, L*., Wei, Y*., Sun, H.-X*., Mahdi, A.K., Pinzon Arteaga, C.A., Sakurai, M., Schmitz, D.A., Zheng, C., Ballard, E.D., Li, J., Tanaka, N., Kohar, A., Okamura, D., Mutto, A., Gu, Y., Ross, P., Wu, J. (2021). Derivation of Intermediate Pluripotent Stem Cells Amenable to Primordial Germ Cell Specification. *Cell Stem Cell* 28, 550–567.e12.
- 11) Vilariño, M., Soto, D.A., Bogliotti, Y.S., Yu, L., Zhang, Y., Wang, C., Paulson, E., Zhong, C., Jin, M., Belmonte, J.C.I., Wu, J#., Ross, P.J#. (2020). Derivation of sheep embryonic stem cells under optimized conditions. *Reproduction* 160, 761–772.
- 12) Li, H*., Zhong, Q*., Yu, Y*., Liu, S., Sakurai M., Yu, L., Min Y., Shi, L., Wei L., Takahashi, Y., Liao, H.K., Qiao J., Deng H.K., Delicado, E.N., Esteban, C.R., Wu, J#., Izpisua Belmonte, J.C#. (2019). Generation of blastocyst-like structures from mouse embryonic and adult cell cultures. *Cell* 179, 687–702.e18
- 13) Xu, J., Yu, L., Guo, J., Xiang, J., Zheng, Z., Gao, D., Shi, B., Hao, H., Jiao, D., Zhong, L., Wang, Y., Wu, J#., Wei#, H., Han, J#. (2019). Generation of pig induced pluripotent stem cells using an extended pluripotent stem cell culture system. *Stem Cell Research & Therapy* 10, 1–16.
- 14) Bogliotti, Y.S*., Wu, J*#., Vilariño, M., Okamura, D., Soto, D.A., Zhong, C., Sakurai, M., Sampaio, R.V., Suzuki, K., Izpisua Belmonte, J.C#. , Pablo R#. (2018). Efficient derivation of stable primed pluripotent embryonic stem cells from bovine blastocysts. *PNAS* 115, 201716161–2095
- 15) Ma, H*., Marti-Gutierrez, N*., Park, S.-W*., Wu, J*., Lee, Y., Suzuki, K., Koski, A., Ji, D., Hayama, T., Ahmed, R., et al. (2017). Correction of a pathogenic gene mutation in human embryos. *Nature* 548 (7668), 413–419.
- 16) Takahashi, Y., Wu, J., Suzuki, K., Martinez-Redondo, P., Li, M., Liao, H.-K., Wu, M.-Z., Hernandez-Benitez, R., Hishida, T., Shokhirev, M.N., et al. (2017). Integration of CpG-free DNA induces de novo methylation of CpG islands in pluripotent stem cells. *Science* 356, 503–508.
- 17) Yang, Y*., Liu, B*., Xu, J*., Wang, J*., Wu, J*., Shi, C., Xu, Y., Dong, J., Wang, C., Lai, W., et al. (2017). Derivation of Pluripotent Stem Cells with In Vivo Embryonic and Extraembryonic Potency. *Cell* 169, 243–257.e25.
- 18) Wu, J., Platero-Luengo, A., Sakurai, M., Sugawara, A., Gil, M.A., Yamauchi, T., Suzuki, K., Bogliotti, Y.S., Cuello, C., Morales Valencia, M., et al. (2017). Interspecies Chimerism with Mammalian Pluripotent Stem Cells. *Cell* 168, 473–486.e15.
- 19) Kang, E., Wu, J., Gutierrez, N.M., Koski, A., Tippner-Hedges, R., Agaronyan, K., Platero-Luengo, A., Martinez-Redondo, P., Ma, H., Lee, Y., et al. (2016). Mitochondrial replacement in human oocytes carrying pathogenic mitochondrial DNA mutations. *Nature* 540, 270–275
- 20) Suzuki, K*., Tsunekawa, Y*., Hernandez-Benitez, R*., Wu, J*., Zhu, J., Kim, E., Hatanaka, F., Yamamoto, M., Araoka, T., Li, Z., et al. (2016). *In vivo* genome editing via CRISPR-Cas9 mediated homology-independent targeted integration. *Nature* 540, 144–149
- 21) Li, Z*., Araoka, T*., Wu, J*., Liao, H.K., Li, M., Lazo, M., Zhou, B., Sui, Y.H., Wu, M.Z., Tamura, I., et al. (2016). 3D Culture Supports Long-Term Expansion of Mouse and Human Nephrogenic Progenitor. *Cell Stem Cell* 19, 516–529.
- 22) Ma, H., Folmes, C.D.L., Wu, J., Morey, R., Mora-Castilla, S., Ocampo, A., Ma, L., Poulton, J., Wang, X., Ahmed, R., et al. (2015). Metabolic rescue in pluripotent cells from patients with mtDNA disease. *Nature* 524, 234–238.
- 23) Wu, J*., Okamura, D*., Li, M., Suzuki, K., Luo, C., Ma, L., He, Y., Li, Z., Benner, C., Tamura, I., et al. (2015). An alternative pluripotent state confers interspecies chimaeric competency. *Nature* 521, 316–321.
- 24) Kim, H*., Wu, J*., Ye, S*., Tai, C.-I., Zhou, X., Yan, H., Li, P., Pera, M., Ying, Q.-L., (2013). Modulation of β -catenin function maintains mouse epiblast stem cell and human embryonic stem cell self-renewal. *Nature Communications* 4, 2403.

Reviews

- 1) Wu, J#. and Barbaric I#. (2021). Fitness selection in human pluripotent stem cells and interspecies

chimeras: Implications for human development and regenerative medicine. *Developmental Biology* 476, 209-217

- 2) Zheng, C.*, Ballard, E. *, Wu, J. (2021). The road to generating transplantable organs: from blastocyst complementation to interspecies chimeras. *Development* 148 (12), dev195792
- 3) Wu, J., Greely, H., Jaenisch, R., Nakauchi, H., Rossant, J., Izpisua Belmonte, J.C. (2016). Stem Cells and Interspecies Chimeras *Nature* 540, 51-59
- 4) Wu, J*, Ocampo, A*, Izpisua Belmonte, J.C. (2016). Cellular metabolism and induced pluripotency. *Cell* 166, 1371-1385
- 5) Wu J. and Izpisua Belmonte J.C. (2016). Stem cells: a renaissance in human biology research. *Cell* 165, 1572-1585
- 6) Wu, J. and Izpisua Belmonte, J. C. (2015). Dynamic Pluripotent Stem Cell States and Their Applications. *Cell Stem Cell* 17, 509–525.

Full List of Published Work in MyBibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/1ri8kf6xymPkT/bibliography/public/>

ACADEMIC ACTIVITIES

- | | |
|----------------|---|
| 2022 – Present | Member of Cecil H. and Ida Green Center for Systems Biology, UT Southwestern Medical Center, Dallas, TX. |
| 2018 – Present | Member of Hamon Center for Regenerative Science and Medicine, UT Southwestern Medical Center, Dallas, TX. |
| 2018 – Present | Faculty, Genetics and Development Graduate Program, UT Southwestern Medical Center, Dallas, TX. |
| 2018 – Present | Faculty, Cell and Molecular Biology Program, UT Southwestern Medical Center, Dallas, TX. |

INVITED TALKS

- | | |
|------|---|
| 2023 | Gordon Research Conference (Salivary Glands and Exocrine Biology), Ventura, CA |
| 2023 | International Embryo Technology Society (IETS) DABE (Domestic Animal Biomedical Embryology) pre-conference symposium 2023, Lima, Peru |
| 2022 | University of Michigan CPOD (Center for Cell Plasticity and Organ Design) seminar, Ann Arbor, MI |
| 2022 | 2022 Southwest Regional Society of Developmental Biology, Austin, TX |
| 2022 | ASRM 2022, Anaheim, CA |
| 2022 | 2022 Till & McCulloch Meetings (TMM 2022), Vancouver, BC |
| 2022 | Texas A&M Genome Editing Symposium, College Station, TX |
| 2022 | The SSR 55 th Annual Meeting, Spokane, WA |
| 2022 | Workshop on Reproductive Organoids, Cambridge, UK |
| 2022 | Joint Society for Developmental Biology - Pan-American Society for Evolutionary Developmental Biology Meeting, Vancouver, Canada |
| 2022 | EMBO workshop: Timing mechanisms linking development and evolution, Barcelona, Spain. |
| 2022 | ISSCR 2022 (concurrent session co-chair), San Francisco, CA |
| 2022 | 2022 NYSCF Innovators Retreat |
| 2022 | 25 th ASGCT Annual Meeting, Washington D.C. |
| 2022 | ISSCR Jerusalem International Symposium |

2022 MSTP WIPs, UT Southwestern, Dallas, TX.

2022 The 11th Annual Meeting of Japan Society for Marmoset Research

2022 ESCBL/NIEHS seminar, NIH

2022 Lillehei Heart Institute Lecture, University of Minnesota

2022 The 1st International Guangdong-Hong Kong-Macau Greater Bay Area Conference in Translational Medicine & the 4th Macau Stem Cell Symposium

2021 The 44th Annual meeting of the Molecular Biology Society of Japan

2021 Stem Cell Society of Singapore (SCSS) 13th Annual Symposium

2021 BSCRC-JCCC seminar series, UCLA

2021 USC Stem Cell Seminar Series, University of Southern California

2021 DRN Seminar series, University of Sheffield

2021 Columbia Center for Human Development (CCHD) - Seminar Series

2021 Regenerative Medicine Seminar Series, UT Southwestern, Dallas, TX.

2021 CHC2021 (China Heart Congress 2021)

2021 Brain Club Seminar, St. Jude Children's Research Hospital

2021 Transgenic Animal Research Conference (TARC) XIII

2021 Society for Developmental Biology 80th Annual Meeting

2021 ACACR seminar

2021 Harvard Annual Bioethics Conference (2021)

2021 McDermott Center WIP, UT Southwestern, Dallas, TX.

2021 "Virtual" Development Forum, Chinese Society for Cell Biology

2021 Strategic regeneration consortium seminar, Karolinska Institute

2021 Reproduction, Development & Cancer Seminar Series, UT Southwestern, Dallas, TX.

2021 UT San Antonio Brain Health Consortium, San Antonio, TX.

2020 TT2020 Virtual. The 16th transgenic technology meeting.

2020 ISSCR 2020 Virtual

2020 NAS workshop: Examining the State of the Science of Mammalian Embryo Model Systems. Washington, D.C.

2020 Center for Translational Medicine and Department of Pharmacology, Temple University, Philadelphia, PA.

2020 Department of Cell Biology, UT Southwestern, Dallas, TX.

2019 Keystone Symposia "Cell competition in Development and Disease", Lake Tahoe, CA.

2018 13th International Conference on Genomics (ICG-13), Shenzhen, China.

2018 UT San Antonio Brain Health Consortium, San Antonio, TX.

2018 The 8th International Symposium on Primate Research, Yunan, China.

2018 11th Annual UT Southwestern O'Brien Kidney Center Symposium, Dallas, TX.

2018 2018 International Aging Research Summit, Suzhou, China.

2018 Cold Spring Harbor Asia Conference - Stem Cell Crossroads, Suzhou, China.

2017 12th International Conference on Genomics (ICG-12), Shenzhen, China.

2017 The 5th Annual Next-Gen Stem Cell Conference, West Hartford, CT.

2017 Department of Animal and Avian Sciences, University of Maryland, College Park, MD.

2017 Salk Featured Fellow Series, La Jolla, CA.

2017 Keystone Symposia "Transcriptional and Epigenetic Control in Stem Cells", Lake Tahoe, CA.

2016 11th International Conference on Genomics (ICG-11), Shenzhen, China.

- 2016 The 206th Institute for Integrated Cell Material Sciences (iCeMS) seminar, Kyoto University, Kyoto, Japan.
- 2016 Nuclear Reprogramming and the Cancer Genome 2016, La Jolla, CA.
- 2016 The 10th annual symposium on biological complexity: Synthetic Biology. La Jolla, CA.
- 2015 Back to Basics, Salk Institute, La Jolla, CA.
- 2015 The tenth Transgenic Animal Research Conference (TARC), Tahoe City, CA.
- 2015 Janelia Farm Symposium, Ashburn, VA.
- 2015 Banbury workshop on “Creating Patient-specific Neural Cells for the In Vitro Study of Brain Disorders”. Banbury Center, Cold Spring Harbor Laboratory, Long Island, New York.
- 2013 Inaugural Helmsley Center for Genomic Medicine (HCGM) monthly Meeting, La Jolla, CA.
- 2013 Crick-Jacobs Symposium, La Jolla, CA.

TEACHING

- 2022 – Present Lecturer, Responsible Conduct of Research Course. UT Southwestern Medical Center, Dallas, TX
- 2021 – Present Lecturer, Current Topics in Cell Biology. UT Southwestern Medical Center, Dallas, TX
- 2021 – Present Course director, Developmental Principles in Regenerative Science and Medicine. UT Southwestern Medical Center, Dallas, TX
- 2019 – Present Lecturer, Core Course. UT Southwestern Medical Center, Dallas, TX
- 2018 – Present Lecturer, Developmental Principles in Regenerative Science and Medicine. UT Southwestern Medical Center, Dallas, TX
- 2004 – 2005 Teaching Assistant, Bioinformatics I & II. University of Tennessee, Knoxville, TN

GRADUATE STUDENT COMMITTEES

Dissertation Committees

- 2023 – Present Member, Menaka Sanghvi. Dissertation Committee. Genetics, Development, and Disease Graduate Program. Jun Wu lab. UT Southwestern Medical Center, Dallas, TX.
- 2023 – Present Member, Alex Fusco. Dissertation Committee. Genetics, Development, and Disease Graduate Program. Thomas Carroll lab. UT Southwestern Medical Center, Dallas, TX.
- 2022 – Present Member, Tiffany Yee. Dissertation Committee. Genetics, Development, and Disease Graduate Program. Katherine Wert Lab. UT Southwestern Medical Center, Dallas, TX.
- 2022 – Present Zachary Markham, Dissertation Committee. Cell and Molecular Biology Graduate Program. Gary Hon Lab. UT Southwestern Medical Center, Dallas, TX.
- 2022 – Present Member, Garrett Kimble, Dissertation Committee. Genetics, Development, and Disease Graduate Program. Michael Buszczak Lab. UT Southwestern Medical Center, Dallas, TX.
- 2021 – Present Member, Lizz Maurais, Dissertation Committee. Genetics, Development, and Disease Graduate Program. Peter Ly Lab. UT Southwestern Medical Center, Dallas, TX.

- 2020 – Present External TAC Member, Maria Costanzo, Dissertation Committee. Miki Ebisuya Lab. EMBO Barcelona.
- 2020 – Present Member, Tianlei Cheng, Dissertation Committee. Genetics, Development, and Disease Graduate Program. James (Zhijian) Chen Lab. UT Southwestern Medical Center, Dallas, TX.
- 2019 – Present Member, Emily Ballard. Dissertation Committee. Genetics, Development, and Disease Graduate Program. Jun Wu Lab. UT Southwestern Medical Center, Dallas, TX.
- 2019 – Present Member, Daniel Schmitz. Dissertation Committee. Genetics, Development, and Disease Graduate Program. Jun Wu Lab. UT Southwestern Medical Center, Dallas, TX.
- 2019 – Present Member, Carlos Pinzon Arteaga. Dissertation Committee. Genetics, Development, and Disease Graduate Program. Jun Wu Lab. UT Southwestern Medical Center, Dallas, TX.
- 2018 – Present Member, Daniel Armendariz, Dissertation Committee. Genetics, Development, and Disease Graduate Program. Gary Hon Lab. UT Southwestern Medical Center, Dallas, TX.

Qualifying Examination Committees

- 2022 Member, Philip Brown, Qualification Exam. Cell and Molecular Biology Graduate Program. Kim Reynolds Lab. UT Southwestern Medical Center, Dallas, TX.
- 2022 Chair, Zachary Markham, Qualification Exam. Cell and Molecular Biology Graduate Program. Gary Hon Lab. UT Southwestern Medical Center, Dallas, TX.
- 2021 Member, Milan Savani, Qualification Exam. Cell and Molecular Biology Graduate Program. Sam Mcbrayer Lab. UT Southwestern Medical Center, Dallas, TX.
- 2021 Chair, Karla Cano Hernandez, Qualification Exam. Genetics, Development, and Disease Graduate Program. Eric Olson Lab. UT Southwestern Medical Center, Dallas, TX.
- 2020 Chair, Ryan Ohara, Qualification Exam. Genetics, Development, and Disease Graduate Program. Laura Banaszynski Lab. UT Southwestern Medical Center, Dallas, TX.
- 2020 Member, Joel Liou, Qualification Exam. Biomedical Engineering Graduate Program. Gary Hon Lab. UT Southwestern Medical Center, Dallas, TX.
- 2020 Member, Siva Venigalla, Qualification Exam. Biomedical Engineering Graduate Program. Prashant Mishra Lab. UT Southwestern Medical Center, Dallas, TX.
- 2019 Member, Yichi (Tony) Zhang, Qualification Exam. Genetics, Development, and Disease Graduate Program. Eric Olson Lab. UT Southwestern Medical Center, Dallas, TX.
- 2019 Member, Rui Chen, Qualification Exam. Cell and Molecular Biology Graduate Program. James Collins lab. UT Southwestern Medical Center, Dallas, TX.
- 2019 Member, Luming Chen, Qualification Exam. Cell and Molecular Biology Graduate Program. Kim Orth Lab. UT Southwestern Medical Center, Dallas, TX.
- 2018 Member, Aarin Jones, Qualification Exam. Genetics, Development, and Disease Graduate Program. William Lee Kraus Lab. UT Southwestern Medical Center, Dallas, TX.

OTHER UNIVERSITY ACTIVITIES

- 2019 – Present Interview medical school student candidates

2018 – Present Interview graduate and MSTP student candidates
2018 – Present Faculty work in progress (WIPs). Bi-weekly faculty discussion and critique on new grant submissions, e.g., National Institute of Health (NIH), National Science Foundation (NSF) and others.

AD HOC REVIEWER

BMC Genomics
Cell Cycle
Cell Reports
Cell Stem Cell
Circulation
Developmental Biology
Experimental Cell Research
Molecular Therapy
Nature
Nature Medicine
Nature Cell Biology
Nature Communications
Nucleic Acid Research
Plos One
Protein & Cell
Science Advance
Scientific Reports
Signal Transduction and Targeted Therapy
Stem Cells
Stem Cell Research & Therapy

GRANT REVIEW ACTIVITIES

2022 Cellular, Molecular and Integrative Reproduction (CMIR)
National Institutes of Health (NIH)
2022 Reviewer for Medical Research Council (MRC)
2022 Reviewer for the National Science Centre Poland
2021 Reviewer for the Marsden Fund Council
2018 Reviewer for the Foundation for Polish Science

EDITORIAL ACTIVITIES

Editorial Board
2022 – Present *Life Medicine*
2022 – Present *Cells*
2021 – Present *Frontiers in Cell and Developmental Biology*
2019 – Present *StemJournal*

TRAINEES

Graduate and Medical Student Trainees

01/2023 – Present James Hamilton, Genetics, Development, and Disease Graduate Program.

01/2022 – Present Menaka Sanghvi, Genetics, Development, and Disease Graduate Program.
07/2019 – Present Emily Ballard (MSTP), Genetics, Development, and Disease Graduate Program.
03/2019 – Present Daniel Schmitz, Genetics, Development, and Disease Graduate Program.
01/2019 – Present Carlos Pinzon Arteaga, Genetics, Development, and Disease Graduate Program.

Postdoctoral Trainees

09/2022 – Present Bingbing He
08/2022 – Present Jia Huang
07/2022 – Present Seiya Oura
01/2022 – Present Lizhong Liu (Assistant Instructor)
11/2021 – Present Yi Ding
05/2018 – Present Yingying Hu

Staff

02/2022 – Present Yunfeng, Zhao (Technician)
01/2018 – Present Ling Zhang (Lab Manager)
01/2018 – Present Masahiro Sakurai (Research Scientist)

Previous Trainees

04/2018 – 07/2022 Leqian Yu, Postdoctoral Fellow
08/2018 – 07/2022 Yulei Wei, Postdoctoral Fellow
03/2018 – 11/2020 Canbin Zheng, Postdoctoral Fellow
10/2019 – 07/2020 Zhejun Zheng, Postdoctoral Fellow
03/2018 – 08/2018 Carlos Pinzon, Research Technician

Graduate Student Rotations

2023 Yipeng Xie
2022 Eunice Song
2022 James Hamilton
2021 Menaka Sanghvi
2020 Weronika Stachera
2019 Yang Fan
2019 Manolo Rios
2019 Daniel Schmitz
2018 Carlos Pinzon Arteaga
2018 Joshua Gagan

Medical Student Rotations

2022 Angel Sandoval
2021 Naureen Wajahat (MSTP)
2019 Emily Ballard (MSTP)

Summary Students and Exchange Students

08/2022 – Present Ana Elisa Ribeiro Orsi, Exchange Graduate Student
09/2022 – 10/2022 Mercedes Vautier, Exchange Graduate Student
06/2019 – 08/2019 Abigail Passey, SURISKD fellow
06/2019 – 08/2019 Jordan Saavalaninen, SURF-STEM CELL fellow
06/2018 – 08/2018 Annesha Dutta, SURF-STEM CELL fellow

GRANTS

Active

06/15/22 – 06/14/25

ARSM Research Institute

Role: Principal Investigator

Founding Organization: ARSM Research Institute

01/01/22 – 12/31/26

Robertson Stem Cell Investigator Award

Role: Principal Investigator

Founding Organization: New York Stem Cell Foundation

02/18/22 – 12/31/26

R01 HD103627-01A1

Role: Principal Investigator

Founding Organization: NIH/NICHD

07/22/21 – 05/31/26

R01 GM138565-01A1

Role: Principal Investigator

Founding Organization: NIH/NIGMS

09/2021 – 05/2026

1UM1HG011996-01

Role: Co-Investigator

Founding Organization: NIH

09/01/21 – 08/31/23

R21 HD104349

Role: Co-Investigator

Founding Organization: NIH/NICHD

06/01/21 – 05/31/24

854671

Role: Principal Investigator

Founding Organization: Welch Foundation

Completed

09/01/17 – 02/28/22

RR170076

Role: Principal Investigator

Founding Organization: Cancer Prevention Research Institute of Texas (CPRIT)

07/01/20 – 12/31/22

R21 OD028763

Role: Principal Investigator

Founding Organization: NIH/ORIP