Stanford

Joydeep Bhadury

Instructor, Institute for Stem Cell Biology and Regenerative Medicine

Bio

ACADEMIC APPOINTMENTS

- Instructor, Institute for Stem Cell Biology and Regenerative Medicine

HONORS AND AWARDS

- International Postdoc Grant (2017-0034, Spring 2017), Swedish Research Council (June 2017)
- PhD thesis of the year 2016 for Institute of Clinical Sciences, University of Gothenburg, The Sahlgrenska Academy, University of Gothenburg , Sweden (May 2017)
- Assar Gabrielssons Best PhD Thesis Award 2017 in Experimental Research, Stiftelsen Assar Gabrielssons Fond, Sweden (May 2017)

LINKS

- Google Scholar: https://scholar.google.com/citations?user=-3jNtOcAAAAJ&hl=en
- The Nakauchi Lab: http://med.stanford.edu/nakauchilab.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My goal is to generate universally transplantable human organs in research animals.

Publications

PUBLICATIONS

- **Chimpanzee and pig-tailed macaque iPSCs: Improved culture and generation of primate cross-species embryos.** *Cell reports*
  Roodgar, M., Suchy, F. P., Nguyen, L. H., Bajpai, V. K., Sinha, R., Vilches-Moure, J. G., Van Bortle, K., Bhadury, J., Metwally, A., Jiang, L., Jian, R., Chiang, R., Oikonomopoulos, et al
  2022; 40 (9): 111264
- **Streamlined and quantitative detection of chimerism using digital PCR.** *Scientific reports*
  Suchy, F. P., Nishimura, T., Seki, S., Wilkinson, A. C., Higuchi, M., Hsu, I., Zhang, J., Bhadury, J., Nakauchi, H.
  2022; 12 (1): 10223
- **Generating human artery and vein cells from pluripotent stem cells highlights the arterial tropism of Nipah and Hendra viruses.** *Cell*
  Ang, L. T., Nguyen, A. T., Liu, K. J., Chen, A., Xiong, X., Curtis, M., Martin, R. M., Raftry, B. C., Ng, C. Y., Vogel, U., Lander, A., Lesch, B. J., Fowler, et al
  2022
- **Generation of Functional Organs Using a Cell-Competitive Niche in Intra- and Inter-species Rodent Chimeras.** *Cell stem cell*
  Nishimura, T., Suchy, F. P., Bhadury, J., Igarashi, K. J., Charlesworth, C. T., Nakauchi, H.
  2020

- **Activated HoxB4-induced Hematopoietic Stem Cells from Murine Pluripotent Stem Cells via Long-Term Programming.** *Experimental hematology*
  Izawa, K., Yamazaki, S., Becker, H. J., Bhadury, J., Kakegawa, T., Sakaguchi, M., Tojo, A.
  2020

- **BET bromodomain inhibitors synergize with ATR inhibitors in melanoma in melanoma.** *Cell death & disease*
  Muralidharan, S. V., Einarsdottir, B. O., Bhadury, J., Lindberg, M. F., Wu, J., Campeau, E., Bagge, R. O., Stierner, U., Ny, L., Nilsson, L. M., Nilsson, J. A.
  2017; 8 (8): e2982

- **Global analysis of somatic structural genomic alterations and their impact on gene expression in diverse human cancers** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Alaei-Mahabadi, B., Bhadury, J., Karlsson, J. W., Nilsson, J. A., Larsson, E.
  2016; 113 (48): 13768-13773

- **BET and HDAC inhibitors induce similar genes and biological effects and synergize to kill in Myc-induced murine lymphoma**
  Bhadury, J., Nilsson, L. M., Somsundar, M., Green, L. C., Keller, U. B., McLure, K. G., Nilsson, J. A.
  AMER ASSOC CANCER RESEARCH.2016

- **BET bromodomain inhibitors synergize with ATR inhibitors to induce DNA damage, apoptosis, senescence-associated secretory pathway and ER stress in Myc-induced lymphoma cells** *ONCOGENE*
  Muralidharan, S. V., Bhadury, J., Nilsson, L. M., Green, L. C., McLure, K. G., Nilsson, J. A.
  2016; 35 (36): 4689-4697

- **Hypoxia-regulated gene expression explains differences between melanoma cell line-derived xenografts and patient-derived xenografts** *ONCOTARGET*
  Bhadury, J., Einarsdottir, B. O., Podraza, A., Bagge, R. O., Stierner, U., Ny, L., Lopez, M. D., Nilsson, J. A.
  2016; 7 (17): 23801-23811

- **Cancer Differentiating Agent Hexamethylene Bisacetamide Inhibits BET Bromodomain Proteins** *CANCER RESEARCH*
  Nilsson, L. M., Green, L. C., Muralidharan, S. V., Demir, D., Welin, M., Bhadury, J., Logan, D. T., Walse, B., Nilsson, J. A.
  2016; 76 (8): 2376-2383

- **Small RNA deep sequencing discriminates subsets of extracellular vesicles released by melanoma cells - Evidence of unique microRNA cargos** *RNA BIOLOGY*
  Lunavat, T. R., Cheng, L., Kim, D., Bhadury, J., Jang, S. C., Lasser, C., Sharples, R. A., Lopez, M. D., Nilsson, J., Gho, Y. S., Hill, A. F., Lotvall, J.
  2015; 12 (8): 810-823

- **Melanoma patient-derived xenografts accurately model the disease and develop fast enough to guide treatment decisions** *ONCOTARGET*
  Einarsdottir, B. O., Bagge, R. O., Bhadury, J., Jespersen, H., Mattsson, J., Nilsson, L. M., Truve, K., Lopez, M. D., Naredi, P., Nilsson, O., Stierner, U., Ny, L., Nilsson, et al
  2014; 5 (20): 9609-9618

- **Identification of tumorigenic and therapeutically actionable mutations in transplantable mouse tumor cells by exome sequencing.** *Oncogenesis*
  Bhadury, J., López, M. D., Muralidharan, S. V., Nilsson, L. M., Nilsson, J. A.
  2013; 2