

Stanford



Gustavo De Alencastro

Postdoctoral Research Fellow, Human Gene Therapy

Bio

HONORS AND AWARDS

- Fellowship, Child Health Research Institute (CHRI) - Stanford University (2016)
- Best Poster Presentation, Westmead Association Research Symposium - Sydney (Australia) (2013)
- Postgraduate Supplementary Scholarship, Australian Stem Cell Centre (ASCC) (2011)
- International Postgraduate Research Scholarship (IPRS), University of Sydney (2010)
- Scholarship, Children's Medical Research Institute (2010)
- Scholarship, São Paulo Research Foundation (FAPESP) (2006)
- Scholarship, National Council for Scientific and Technological Development (CNPq) (2003)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Australasian Gene Therapy Society (2011 - 2013)
- Member, American Society of Gene & Cell Therapy (2015 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University Of Sydney (2014)
- Master of Science, Universidade De Sao Paulo (2008)
- Licenciatura, Universidade De Sao Paulo (2008)
- Bachelor of Science, Universidade De Sao Paulo (2006)

STANFORD ADVISORS

- Mark Kay, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Improved Genome Editing through Inhibition of the FANCM Pathway**
de Alencastro, G., Pekrun, K., Zhang, F., Pillay, S., Majzoub, K., Carette, J., Kay, M. A.
CELL PRESS.2018: 433–34
- **Screening of Barcoded Capsid Shuffled AAV Libraries Results in the Selection of Capsids with Enhanced Transduction Efficiency for Human Islets**
Pekrun, K., de Alencastro, G., Galivo, F. H., Xu, J., Grompe, M., Kay, M. A.
CELL PRESS.2018: 41

- **Modeling correction of severe urea cycle defects in the growing murine liver using a hybrid recombinant adeno-associated virus/piggyBac transposase gene delivery system.** *Hepatology (Baltimore, Md.)*
Cunningham, S. C., Siew, S. M., Hallwirth, C. V., Bolitho, C., Sasaki, N., Garg, G., Michael, I. P., Hetherington, N. A., Carpenter, K., de Alencastro, G., Nagy, A., Alexander, I. E.
2015

- **The Transcriptional and Functional Properties of Mouse Epiblast Stem Cells Resemble the Anterior Primitive Streak** *CELL STEM CELL*
Kojima, Y., Kaufman-Francis, K., Studdert, J. B., Steiner, K. A., Power, M. D., Loebel, D. A., Jones, V., Hor, A., de Alencastro, G., Logan, G. J., Teber, E. T., Tam, O. H., Stutz, et al
2014; 14 (1): 107-120

- **Exploiting the unique regenerative capacity of the liver to underpin cell and gene therapy strategies for genetic and acquired liver disease.** *The international journal of biochemistry & cell biology*
Logan, G. J., de Alencastro, G., Alexander, I. E., Yeoh, G. C.
2014; 56C: 141-52

- **Collybistin and gephyrin are novel components of the eukaryotic translation initiation factor 3 complex.** *BMC research notes*
Sertie, A. L., de Alencastro, G., De Paula, V. J., Passos-Bueno, M. R.
2010; 3: 242-?

- **New SMS mutation leads to a striking reduction in spermine synthase protein function and a severe form of Snyder-Robinson X-linked recessive mental retardation syndrome** *JOURNAL OF MEDICAL GENETICS*
de Alencastro, G., McCloskey, D. E., Kliemann, S. E., Maranduba, C. M., Pegg, A. E., Wang, X., Bertola, D. R., Schwartz, C. E., Passos-Bueno, M. R., Sertie, A. L.
2008; 45 (8): 539-543