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#### Basic Study

Characterization and genetic manipulation of primed stem cells into a functional naive state with ESRRB

Ricardo Antonio Rossello, Andreas Pfenning, Jason T Howard, Ute Hochgeschwender

#### Abstract

AIM: To identify differences between primed mouse embryonic stem cells (ESCs) and fully functional naive ESCs; to manipulate primed cells into a naive state.

METHODS: We have cultured 3 lines of cells (Table 1) from different mouse strains that have been shown to be naive or primed as determined by generating germline-transmitting chimeras. Cells were put through a battery of tests to measure the different features. RNA from cells was analyzed using microarrays, to determine a priority list of the differentially expressed genes. These were later validated by qRT-PCR. Viral cassettes were created to induce expression of



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2013年9月12日 - Variations of the branches of **aortic arch** are due to alteration in the ... the findings according to their embryological and **clinical** implications. .... The vertebral arteries arise from the superoposterior **aspect** of the first part of subclavian artery. ... Nelson M. L., Sparks C. D. **Unusual aortic arch** variation: distal ...

## The Aberrant Right Subclavian Artery (Arteria Lusoria) - NCBI

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2014年7月1日 - The most important abnormality of the **aortic arch** is arguably the presence of ... The aim of the study is to present the **morphological** and **clinical aspects** of the aberrant right ... A familiarity with the **anatomy** of the most common types of vascular



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## Efficient Reprogramming of Naïve-Like Induced Pluripotent Stem Cells ...

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作者: Y Zhang - 2014 - 被引用次数: 16 - 相关文章

2014年1月20日 - Here, we generated iPSCs from porcine adipose-derived stem cells ... Esrrb, Utf1 and Dppa5, differentiating into cell types of all three germ layers in vitro and in vivo ... Compared to primed PSCs, naïve PSCs are more efficient in ... in genetic manipulation at the colony level and overcoming the high rate ...

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[www.nature.com/nrm/journal/v17/n3/full/nrm.2015.28.html](http://www.nature.com/nrm/journal/v17/n3/full/nrm.2015.28.html) - 翻译此页

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2016年2月10日 - Dynamic stem cell states: naive to primed pluripotency in rodents and humans ... naïve