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[View All \(813\)](#)  
[Adenoviruses \(137\)](#)  
[Antibodies \(175\)](#)  
[Bioimages \(67\)](#)  
[Genomics Studies \(145\)](#)  
[mESC Lines \(68\)](#)  
[Mouse Strains \(120\)](#)  
[Miscellaneous \(46\)](#)  
[Protocols \(55\)](#)  
[Research Data \(4\)](#)  
[Resource Tags \(389\)](#)  
[Visualization \(9\)](#)

**Research & Cores**



[Core Facilities \(5\)](#)  
[Research Highlights \(5\)](#)  
[Research Networks](#)  
[Research Objectives](#)

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[NIH hESC Registry](#)  
[Policies & Guidelines](#)  
[Member Publications](#)  
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[Research Investigators](#)  
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[Tutorials](#)

## Reprogramming of mouse gall bladder cells into pancreatic beta cells - Study GBCO4397

**Genomics Study Specifications**

<b>Study Name</b>	Reprogramming of mouse gall bladder cells into pancreatic beta cells								
<b>Contact Name</b>	<a href="#">Markus Grompe</a> (Oregon Health and Science University)								
<b>Publication</b>	<a href="http://www.ncbi.nlm.nih.gov/pubmed/23562832">http://www.ncbi.nlm.nih.gov/pubmed/23562832</a>								
<b>My Strategies</b>	<a href="#">Return to My Strategies page</a>								
<b>Classification</b>	Cell differentiation; Differentiation of insulin-producing cells								
<b>Links</b>	 <a href="#">Biomaterials Graph</a>  <a href="#">ArrayExpress</a>								
<b>BCBC Release Date</b>	March 29, 2012								
<b>Public Release Date</b>	July 16, 2013								
<b>Citation</b>	Hickey RD, Galivo F, Schug J, Brehm MA, Haft A, Wang Y, Benedetti E, Gu G, Magnuson MA, Shultz LD, Lagasse E, Greiner DL, Kaestner KH, Grompe M. <a href="#">Generation of islet-like cells from mouse gall bladder by direct ex vivo reprogramming</a> . Stem Cell Res. 2013. 11:503-15								
<b>Synopsis</b>	<div style="border: 1px solid gray; padding: 5px;"> <table border="1"> <tr> <td><b>Study Description</b></td> <td>Goals</td> </tr> <tr> <td>Approaches</td> <td>Results</td> </tr> <tr> <td colspan="2">Conclusions</td> </tr> <tr> <td colspan="2">Related Studies</td> </tr> </table> <p>Mouse gall bladder cells from MIP-GFP mice were expanded in vitro and transduced with adenoviral vectors expressing the transcription factors Neurog3, Pdx1 and MafA. Reprogrammed GFP+ cells were then FACS-sorted for RNA isolation.</p> </div>	<b>Study Description</b>	Goals	Approaches	Results	Conclusions		Related Studies	
<b>Study Description</b>	Goals								
Approaches	Results								
Conclusions									
Related Studies									
<b>Platform types</b>	Expression RNA-Seq, Expression								
<b>Platforms</b>	<i>Not available</i>								
<b>Study Design Type</b>	<ul style="list-style-type: none"> <li>cell_type_comparison_design</li> <li>development_or_differentiation_design</li> </ul>								
<b>Study Factors</b>	<a href="#">Show study factors</a>								
<b>Study Assays</b>	<a href="#">Show study assays</a>								

**Access to Study Data**

This Study Data is publicly available to all users.

**Gene List(s)**

*There are no gene lists currently available for this study.*

**Genome Browser**


Browse related tracks on the genome browser by clicking on the link(s) below:

[View tracks for this study in the region near the Ins1 gene](#)
[RNA-Seq Expression Coverage](#)


**Lists of Locations**

*There are no genomic location datasets currently available for this study.*

**Access Status**

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Primary contributor: [Grompe Lab](#)

Co-contributed by:

- [Kaestner Lab](#)

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Approved on Mar 29, 2012  
Last modified on Apr 15, 2014

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Grompe Lab

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