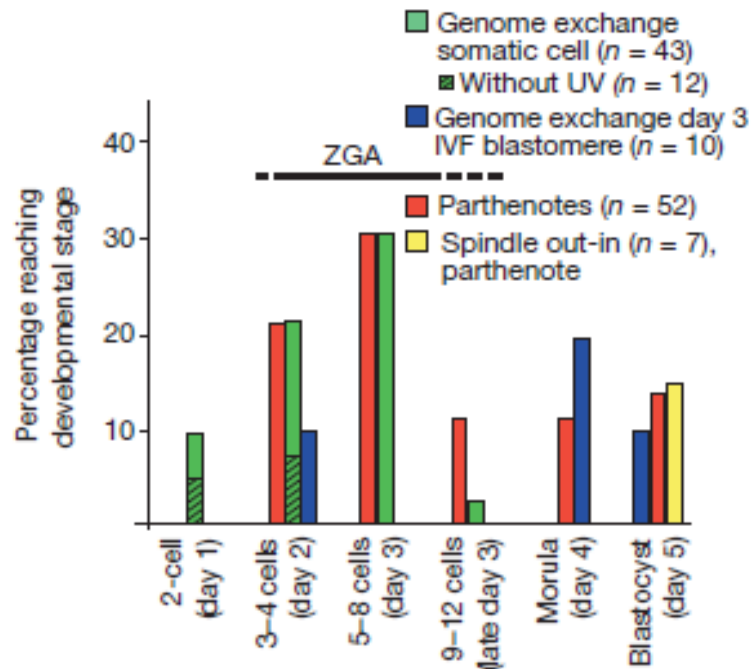
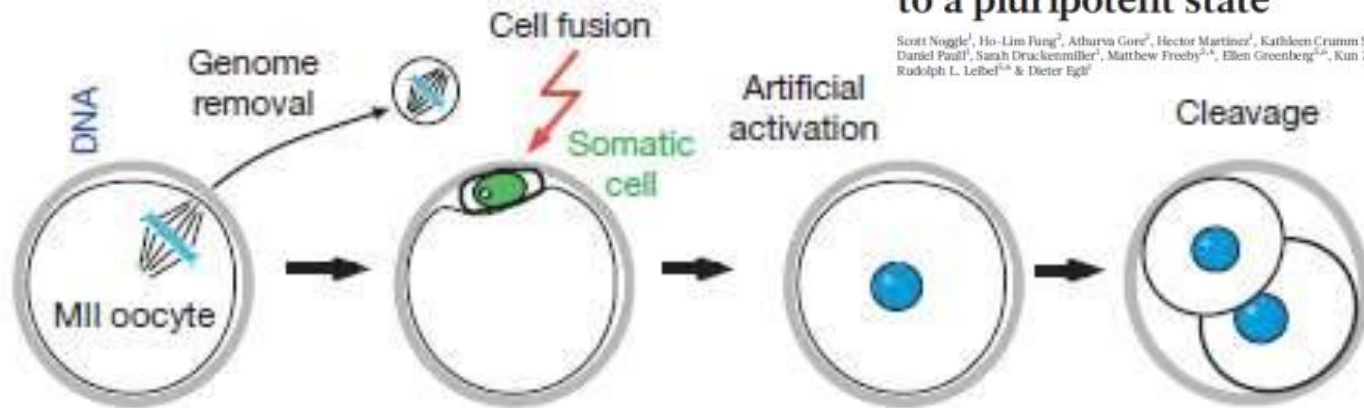


## ヒト体細胞核移植ES細胞樹立

## Human oocytes reprogram somatic cells to a pluripotent state

Scott Noggle<sup>1</sup>, Ho-Lim Jung<sup>2</sup>, Arthury Gore<sup>2</sup>, Hector Martinez<sup>2</sup>, Kathleen Crumm-Saitani<sup>3,4</sup>, Robert Prosser<sup>3,4</sup>, Kibong Oam<sup>3,4</sup>, Daniel Panfil<sup>1</sup>, Sarah Drackemiller<sup>1</sup>, Matthew Freeby<sup>2,4</sup>, Ellen Greenberg<sup>2,4</sup>, Kun Zhang<sup>2</sup>, Robin Goland<sup>3,4</sup>, Mark V. Sauer<sup>1</sup>, Rudolph L. Leibell<sup>3,4</sup> & Dieter Egg<sup>1</sup>

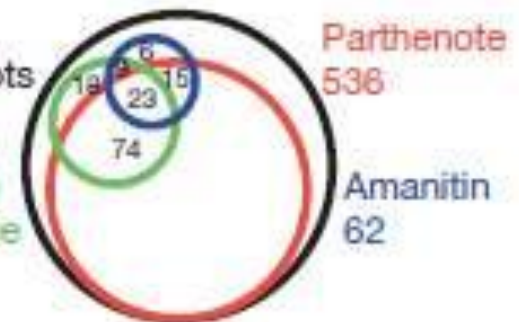


6-10細胞期(培養3日目)で発生停止

## Zygotic genome activation

ZGA transcripts  
761

Genome exchange  
124



Parthenote  
536

Amanitin  
62

体外受精コントロールと比較すると  
16%の胚性ゲノムしか活性化しない