

# Michigan eLibrary Databases

## See a librarian for additional help

[eJournals](#)[MyMeLCat](#)[Help](#)[Contact](#)[MeLCat](#)[eResources](#)[Library Staff](#)[Educators](#)

Click here to access databases

Search for eResource by Name

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #

All Subjects



All Vendors / Providers



Go



Searching: [Science Reference Center](#) | [Search Other Databases](#)

Enter any words to find books, journals and more

Search



[Basic Search](#) [Advanced Search](#) [Search History](#)

Enter your keyword

Scroll down to browse or click on the first letter of the database

# Database features to save you time

## Limit To

- Full Text
- Scholarly (Peer Reviewed) Journals
- Cover Story

1975 Publication Date 2018

Show More

## Source Types

- All Results
- Academic Journals (59)
- Magazines (1,853)
- Book Reviews (19)
- Reference Books (15)
- Biographies (3)

Show More

## Subject

- stem cells
- embryonic stem cells
- stem cell research (508)

Detailed Record

PDF Full Text (6.3MB)

Find Similar Results using SmartText Searching.

Mechanical properties and differentiation assessments of neural **stem cells** with pneumatic micropipette aspiration.

Authors: Xi Zeng Feng  
Ming Wu  
Qili Zhao  
Xin Zhao  
Cui Yang  
Wen Shen

Current Science (00113891); 5/10/2018, Vol. 114 Issue 9, p1961-1966, 6p

Document Type: Article

Subject Terms: NEURAL stem cells  
NEUROGLIA  
MICROPIPETTES  
CELLULAR mechanics  
CELL analysis

**Abstract:** The change in chemical and biological properties of neural **stem cells** (NSCs) before and after differentiating into neurons and glial **cells** has been well studied. However, there is lack of knowledge on the relationship between **cell** differentiation and alteration of **cell** mechanical features. Mechanical properties can reflect specific changes that occur with biochemical and cytological changes. Here, we present a robotic micromanipulation system for measuring the mechanical properties of single **cells**. This system consists of a suction micropipette, a robotic

## Citation Format

NOTE: Review the instructions at EBSCO eBooks and eJournals for more information. Always consult your library resources for more information. Pay special attention to personal names, capitalization, and dates. Formatting and punctuation guidelines.

APA  
(American Psychological Assoc.)

APA or MLA?

Xi Zeng Feng, Ming Wu, Qili Zhao, Xin Zhao, Cui Yang, Wen Shen, & Yun Lu. (2018). Mechanical properties and differentiation assessments of neural stem cells with pneumatic micropipette aspiration. *Current Science (00113891)*, 114(9), 1961. <https://doi.org/10.18520/cs/v114/i09/1961-1966>

Google Drive

Add to folder

Print

E-mail

Save

Cite

Export

Create Note

Permalink

Share

Slide to adjust date

Choose the source

Key word help

Access the text

Cite