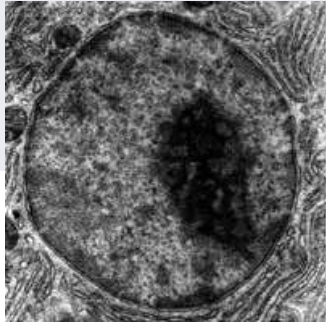




O

NUCLEUS is "The Boss of the Cell"

Wall

Info

Photos

Boxes

Write something...

Share

View photos of NUCLEUS

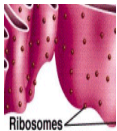
Send the NUCLEUS a message

Poke message

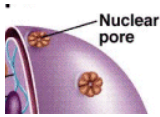
Information

[Networks:](#)
[EUKARYOTES.](#)
[HOME MOVIES:](#)
[Inner life of a cell](#)
[Hometown:](#)
[Cytoplasm](#)

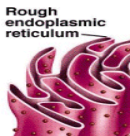
Friends



Ribosomes



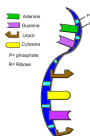
Ribosomes Nuclear Pores



Rough ER



DNA



RNA



FROM DNA I have condensed my chromatin form into chromosomes for easy movement! Prophase here we go.

September 15, 2011



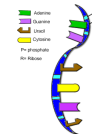
NUCLEUS is preparing for mitosis. Good bye to the nucleolus and nuclear envelope. Hello condensed chromosomes !

September 15, 2011



NUCLEUS to NUCLEAR PORES Thanks for controlling what comes in and allowing the RNA messages to leave for the cytoplasm

September 15, 2011



FROM RNA No problem. Taking your message to the ribosomes is my job. .

September 15, 2011



NUCLEUS to TO RNA POLYMERASE Thanks for transcribing my info.

September 15, 2011



NUCLEUS. to NUCLEOLUS

I can see your dark spot. Keep making that ribosomal RNA

September 15, 2011



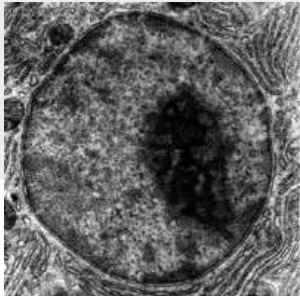
NUCLEUS Don't look for me in prokaryotes. I'm only in animals , plants, fungi, and protists. Bacteria have a free floating circular chromosome in their cytoplasm instead.

September 15, 2011



NUCLEUS Being in charge of everything is pretty cool, but it sure keeps me busy!

September 15, 2011



NUCLEUS is "The Boss of the Cell"

Wall

Info

Photos

Boxes

Basic Information

Networks: EUKARYOTES.
Sex: Asexual: mitosis Sexual: meiosis
Made of: Nucleolar envelope: phospholipids & proteins
 Genetic material:: DNA & proteins
Hometown: Cytoplasm
Relationship Status:

View photos of NUCLEUS

Send NUCLEUS a message

Poke message

Information

Networks:
 EUKARYOTES.
HOME MOVIES:
[Inner life of a cell](#)
Hometown:
 Cytoplasm
Phone Number 1-800 –CELL

Personal Information

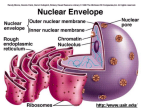
Activities: "Boss" of cell; making RNA; maintaining homeostasis ; cell division
Interests: Mitosis, meiosis, gene regulation

Favorite Music: [Nucleus Song](#) [Regulatin' genes](#) [Cell rap](#) [Organelle song](#)
Favorite Movies: [Inner life of a cell](#) [DNA wrapping](#)
Favorite TV Shows: Big Bang Theory, Who's the Boss?

Favorite Books: [Genome by Matt Ridley](#)

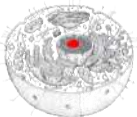
Photos

2 Albums



My Friends

Updated last
Tuesday



My Family

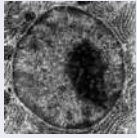
Updated two
months ago

Nucleus profile image

http://upload.wikimedia.org/wikipedia/commons/5/57/Micrograph_of_a_cell_nucleus.png

mRNA image:

<http://uncyclopedia.wikia.com/wiki/File:MRNA.gif>



NUCELUS is "The Boss of the Cell"

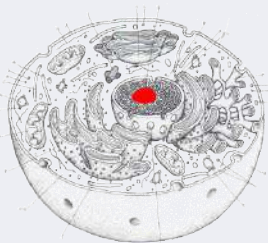
Wall

Info

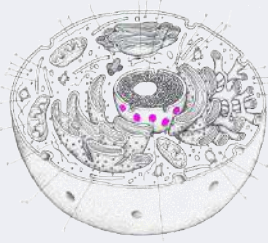
Photos

Boxes

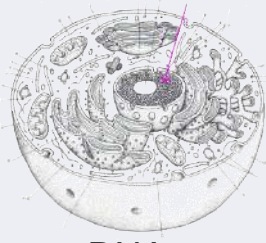
FAMILY 7 Photos



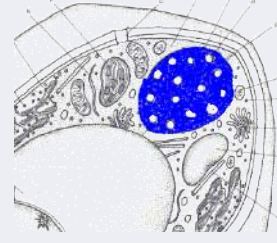
Nucleolus



Nuclear pores



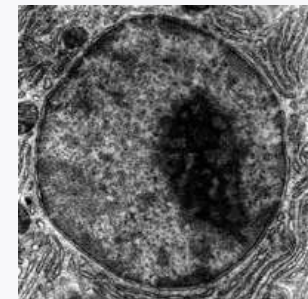
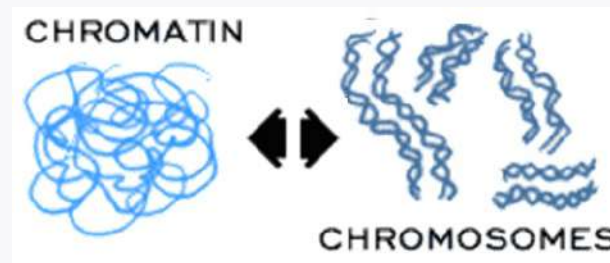
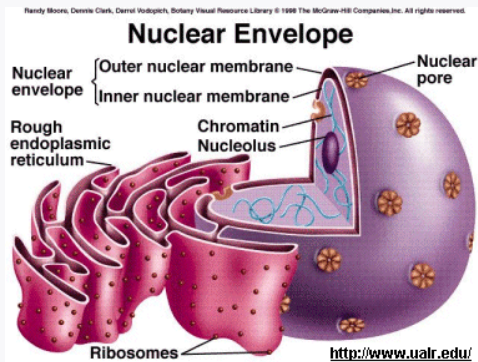
DNA
(Chromatin)



Nuclear
Envelope

Images modified from: The Biology Coloring Book, Robert D. Griffin, Barnes and Noble Books, 1986

Photo Albums



http://www.etap.org/demo/grade7_science/Image32.gif

http://www.biology4kids.com/files/art/cell_nucleus2.gif

http://upload.wikimedia.org/wikipedia/commons/5/57/Micrograph_of_a_cell_nucleus.png

WHAT YOU SHOULD KNOW ABOUT ME

MADE OF:

- Surrounded by DOUBLE membrane called Nuclear Envelope
- Nuclear pores control what enters/leaves
- Contains genetic material (DNA)
- Nucleolus- makes RNA for ribosomes
- DNA condensed tightly into CHROMOSOMES during cell division
- DNA is loosely packed into CHROMATIN when cell is “doing its job”

FUNCTION:

Control center of cell

• MISCELLANEOUS:

Only in eukaryotes

- Prokaryotic DNA is circular & free floating in cytoplasm

RESOURCES USED:

Nucleus profile image

http://upload.wikimedia.org/wikipedia/commons/5/57/Micrograph_of_a_cell_nucleus.png

mRNA image:

<http://uncyclopedia.wikia.com/wiki/File:MRNA.gif>

Nucleus image

http://www.etap.org/demo/grade7_science/instruction2tutor.html