

# Getting Started with CellDesigner

**Talk to a Teacher**

<http://spoken-tutorial.org>

**National Mission on Education through ICT**

<http://sakshat.ac.in>

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# Learning Objectives

- **About CellDesigner**



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- **About CellDesigner**
- **Menu & Tool bars in CellDesigner**



# Learning Objectives

- About CellDesigner
- Menu & Tool bars in CellDesigner
- Different areas in CellDesigner workspace



# Learning Objectives

- **About CellDesigner**
- **Menu & Tool bars in CellDesigner**
- **Different areas in CellDesigner workspace**
- **Components-Species & Reactions**



# Learning Objectives

- **Create a simple network**



# Learning Objectives

- Create a simple network
- Save a network



# Learning Objectives

- Create a simple network
- Save a network
- **Export an image**



# Learning Objectives

- Create a simple network
- Save a network
- Export an image
- **Zoom the network**



# What is a CellDesigner?

- **CellDesigner is a process diagram editor**



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- For drawing gene-regulatory & biochemical networks



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- **The process diagram was proposed by Kitano**



# What is a CellDesigner?

- CellDesigner is a process diagram editor
- For drawing gene-regulatory & biochemical networks
- The process diagram was proposed by Kitano
- These diagrams are stored using System Biology Markup Language (SBML)



# Software Requirements

- **Windows XP**



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- Windows XP
- CellDesigner Version 4.3

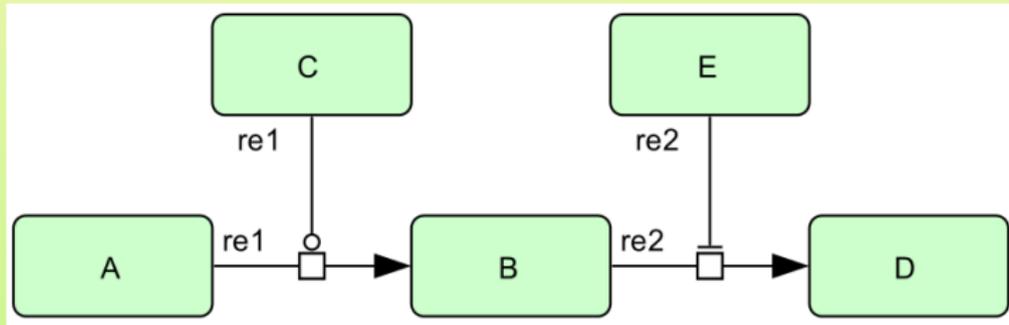


# Software Requirements

- Windows XP
- CellDesigner Version 4.3
- Works on Linux and Mac OS X also



# Sample Network



# Summary

- Menu & Tool bar in CellDesigner
- Different areas in CellDesigner
- Components-Species & Reactions
- Created a simple network
- Zoom & Save a network
- Export an image

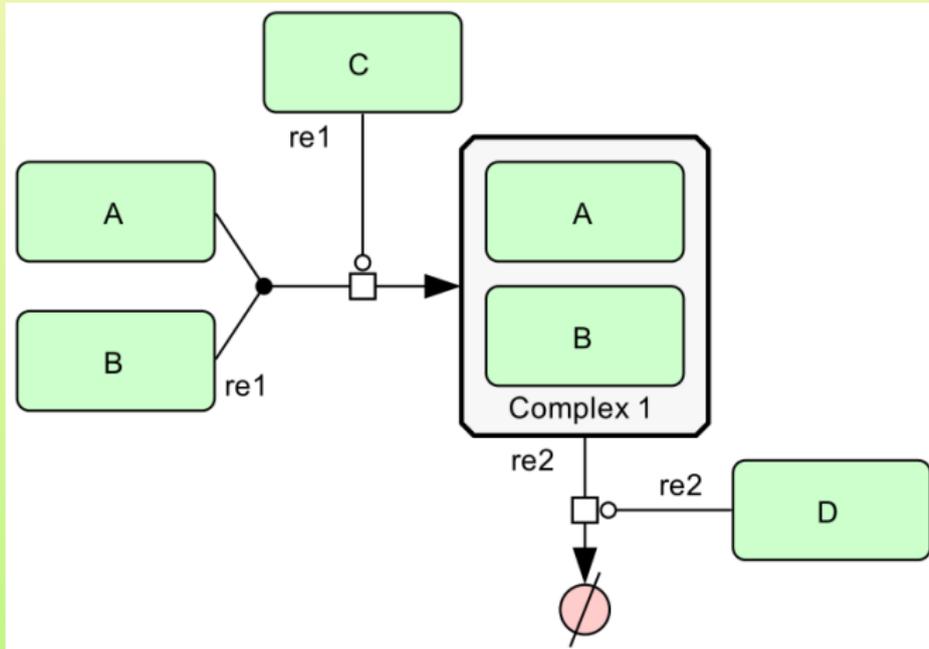


# Assignment

- Construct a network with the help of CellDesigner4.3
- A & B protein associates to form a complex(Complex1) in presence of catalyst protein C
- This complex gets degraded when catalyst protein D is present



# Assignment



# About the Spoken Tutorial Project

- Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- It summarises the Spoken Tutorial project



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- If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Acknowledgements

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- It is supported by the National Mission on Education through ICT, MHRD, Government of India
- More information on this Mission is available at <http://spoken-tutorial.org/NMEICT-Intro>

