

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**



Learning Objectives

- 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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- CellDesigner is a process diagram editor
- For drawing gene-regulatory & biochemical networks



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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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- CellDesigner Version 4.3

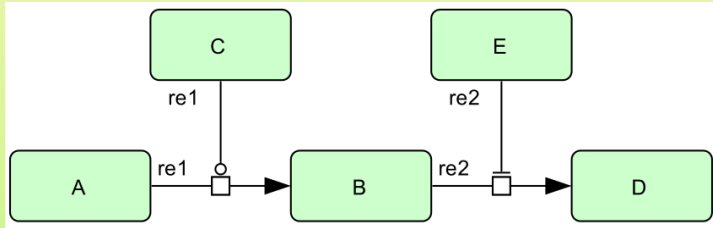


Software Requirements

- 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

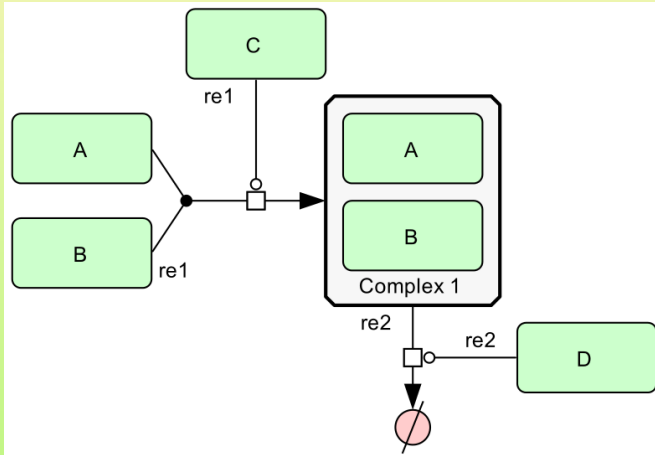


Assignment

- 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

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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



Acknowledgements

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- More information on this Mission is available at <http://spoken-tutorial.org/NMEICT-Intro>

