gRNA Workshop

Genvea Biosciences Continued Training Workshop

- What is the gRNA?

- XML Data integration: How to integrate your own data into the gRNA
  - XML
    – Basic facts
  - DTD
    – Purpose
    – Role in the gRNA
    – Detailed explanation of syntax
    - Example - Converting your data into XML
      - How to create an appropriate DTD
    – How to write a converter program

  - gRNA
    – DTD registration
    – Database categories
    – How to use the Genbank converter

- HyperThesis: Setting up workflows in the gRNA
  - Jython
    – Brief overview
    – Some differences in syntax between Jython & Java
    – What do we need to know about it?
  - HyperThesis
  - How does it work?
  - Creating new components
    – Example: Creating a component for a purpose
  - The free-style component
  - Example repeated using the free-style component
  - Differences between a custom and the free-style component
  - Usage of the custom/free-style component
  - Using advanced components

- Algorithm Development: Integrating your applications with the gRNA
  - Integration options in the gRNA
    - Workflow
    - Workflow component
    - Class extension
    - Application
  - Choosing the right integration option