Wednesday 28th March

ICM Scripting Workshop Schedule

9:00 - 10:30 **Basics of the ICM Scripting Language**

Andrew
- ICM command line: structure, shortcuts, tips
- Basic data types : logical,integer,real,string,simple arrays,matrices
- Constants, variables, index expressions and operations
- Overview of commands and built-in functions
- Flow control: loops, conditions and jumps

10:30 - 10:45 **Break**

10:45 - 12:00 **Advanced data types and operations**

Eugene
- Tables and filter expressions and related functions and commands, column formulas, plots, data trees
- Chemical arrays + related functions and commands. Chemicals in tables vs 3D molecules objects (difference, etc ...)

12:00 - 1:00 **Lunch**

1:00 - 3:00 **Molecules, sequences and meshes**

Ruben
- Molecular objects and Atom selection syntax
- Sequences and alignments
- Graphical objects (meshes)

3:00 – 3:15 **Break**

3:15 – 5:00 **Table (cont), Piping, Molecular Documents & ActiveICM**

Eugene
- Standalone scripts. Command line argument processing with Getarg.
- Piping
- Molecular Documents. «Active» links. Export to ActiveICM.