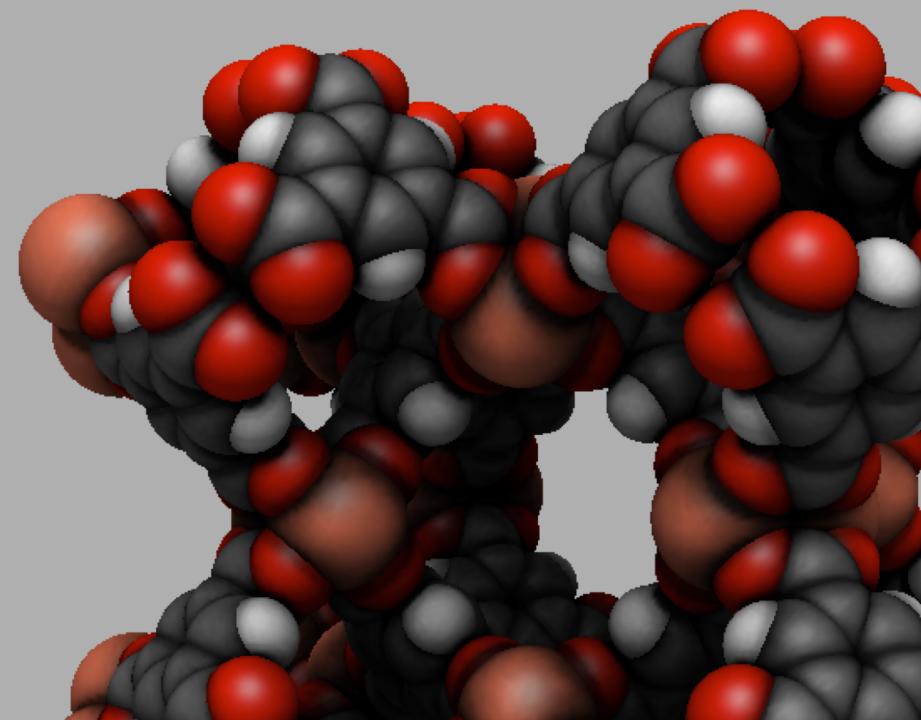
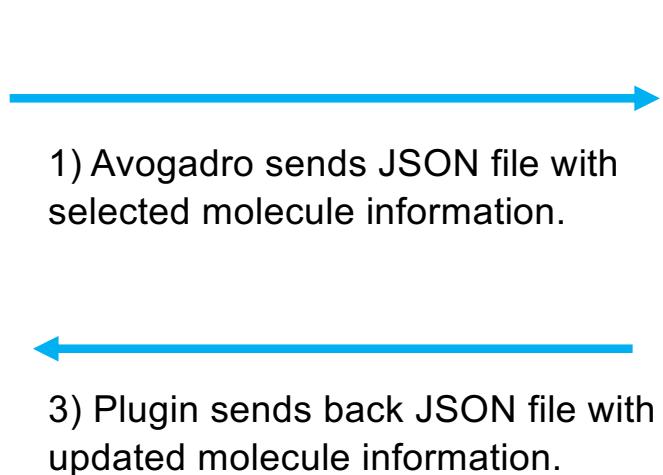


**Paul Boone**  
**2018 Avogadro UGM**  
2018-08-24

## **Wilmer Lab Avogadro plugins**



# Avogadro Transformation Plugin Interface



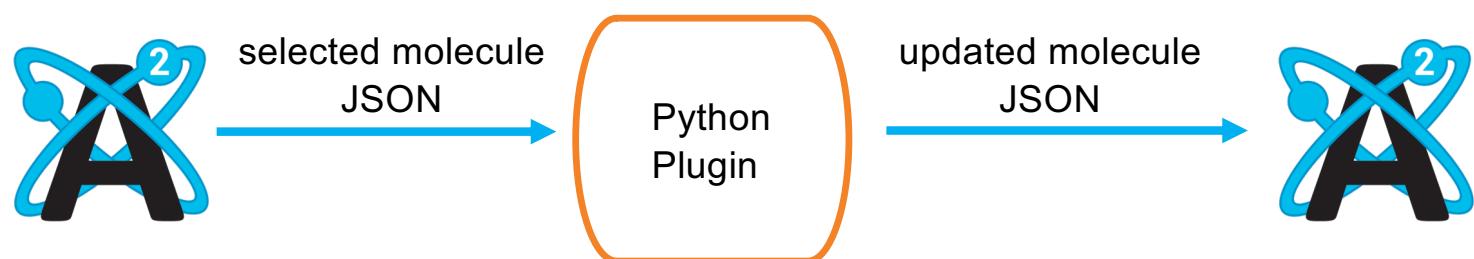
4) Avogadro replaces the selected molecule with the updated molecule.

## Python Plugin:

2) Plugin does anything that is possible in python.

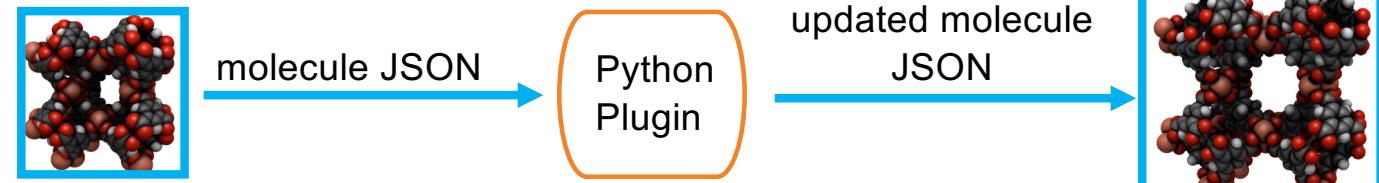
# Avogadro Transformation Plugin Interface

General API:



Ideas:

- 1) Transformers:  
e.g. scale coordinates



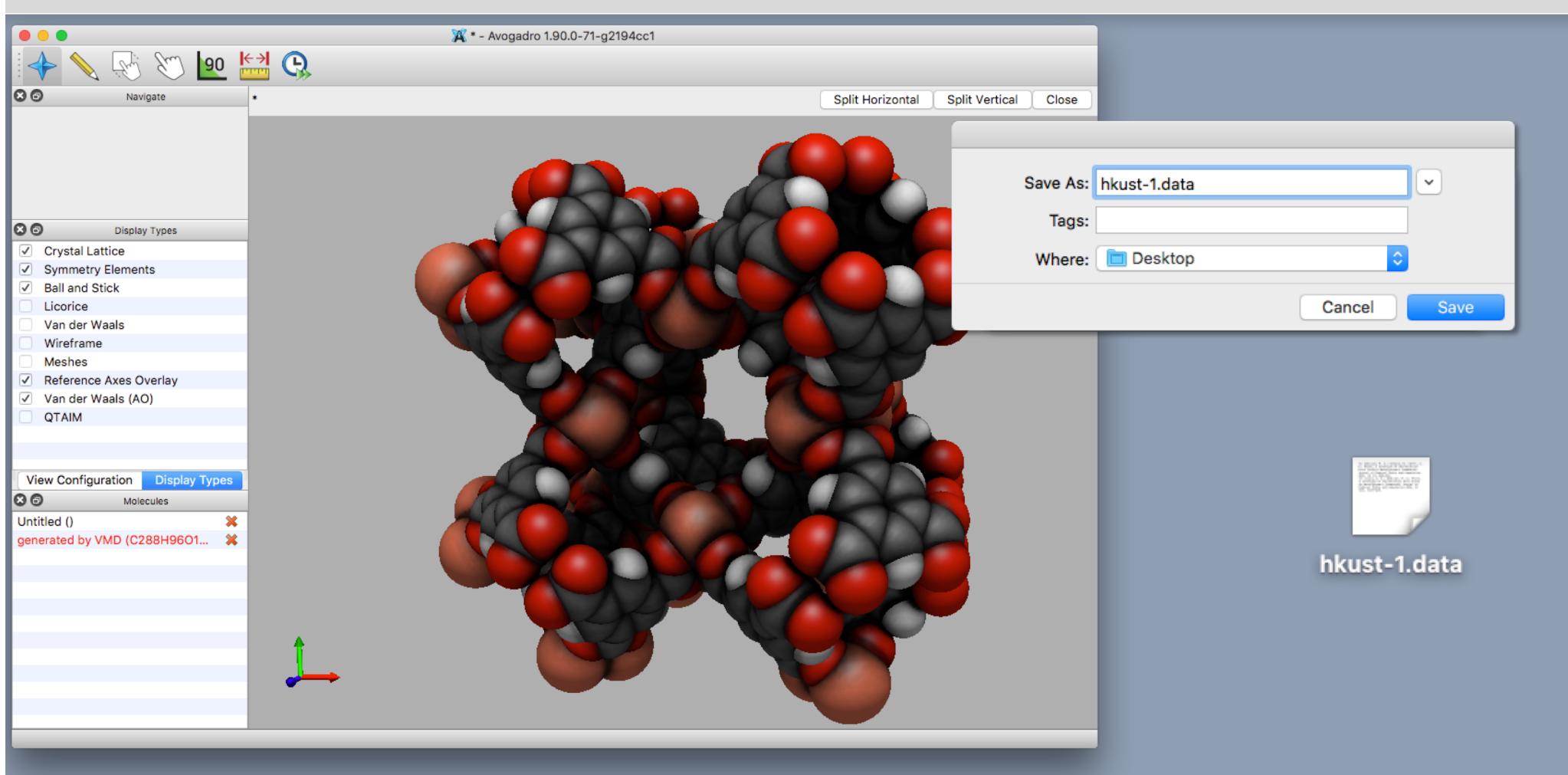
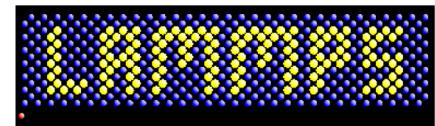
- 2) Generators:  
e.g. a MOF generator



- 3) Outputters:  
e.g. a LAMMPS data  
file outputter



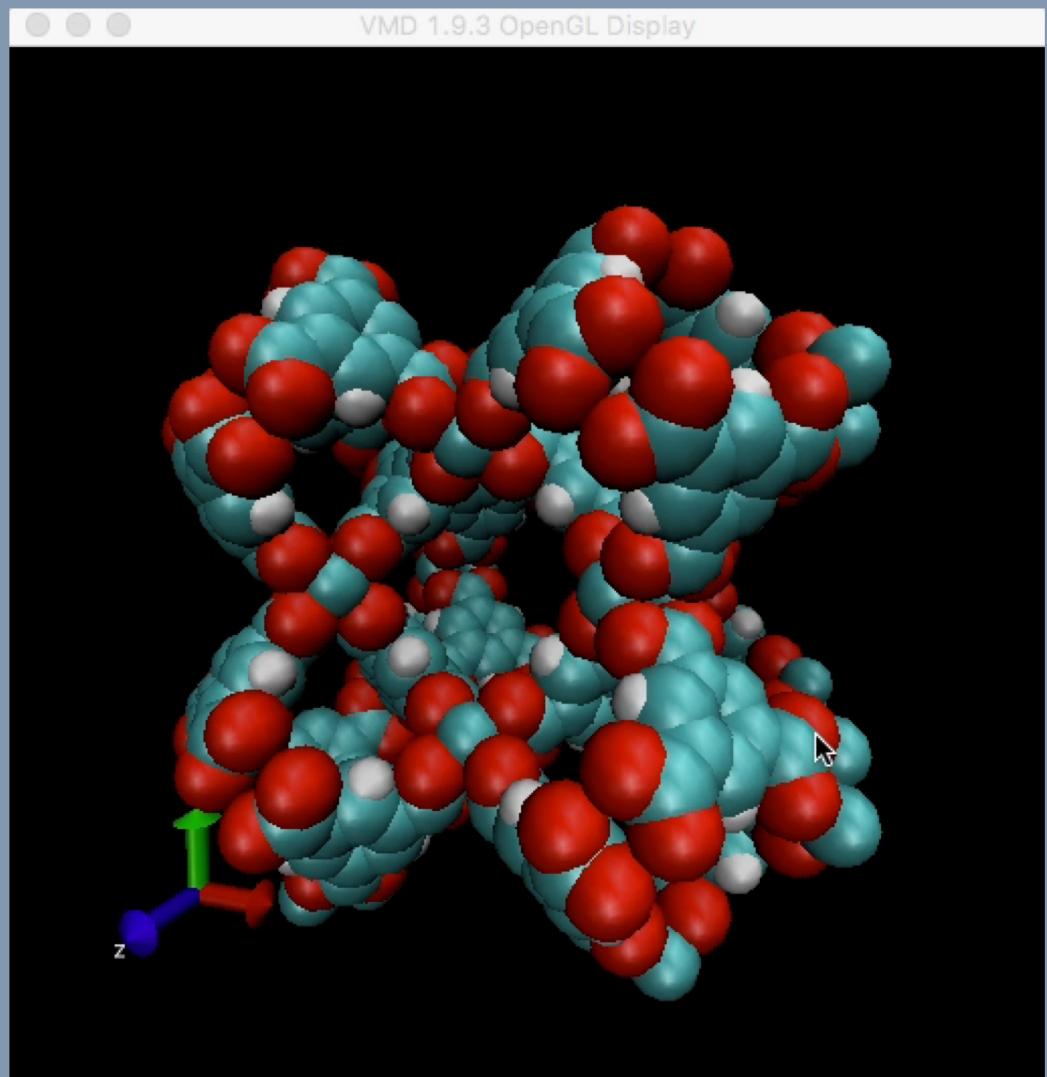
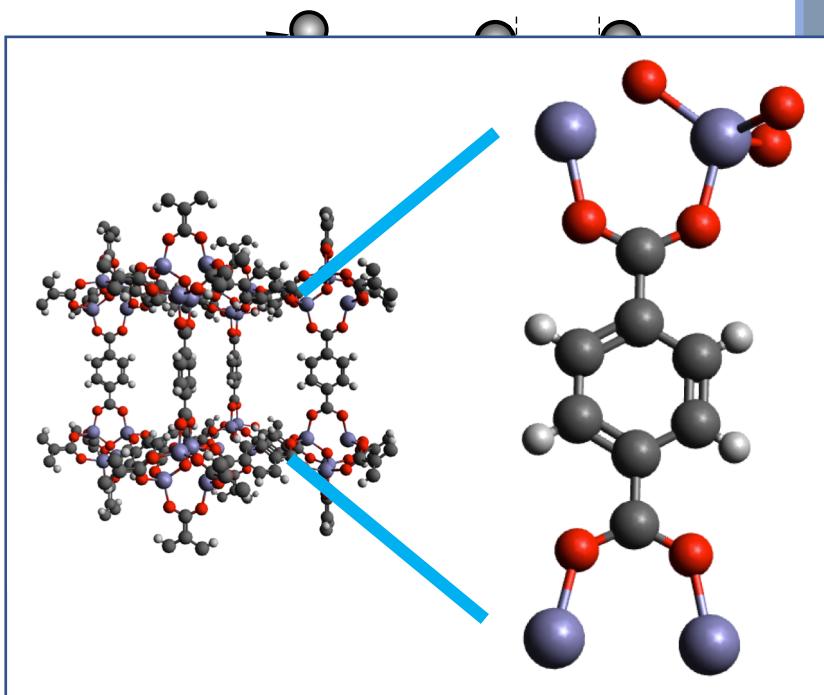
# LAMMPS data file using UFF



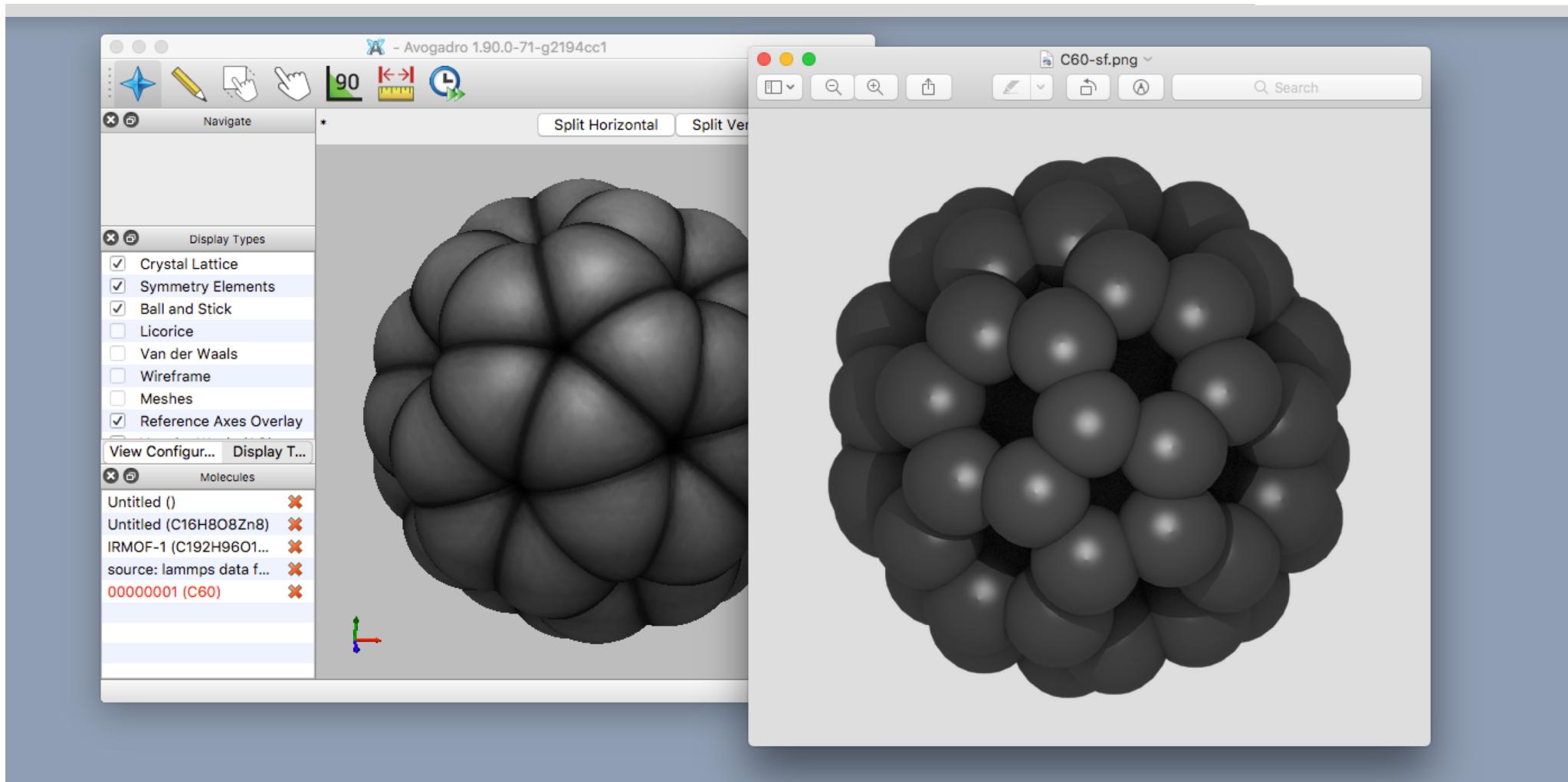
## LAMMPS Potentials:

Pair

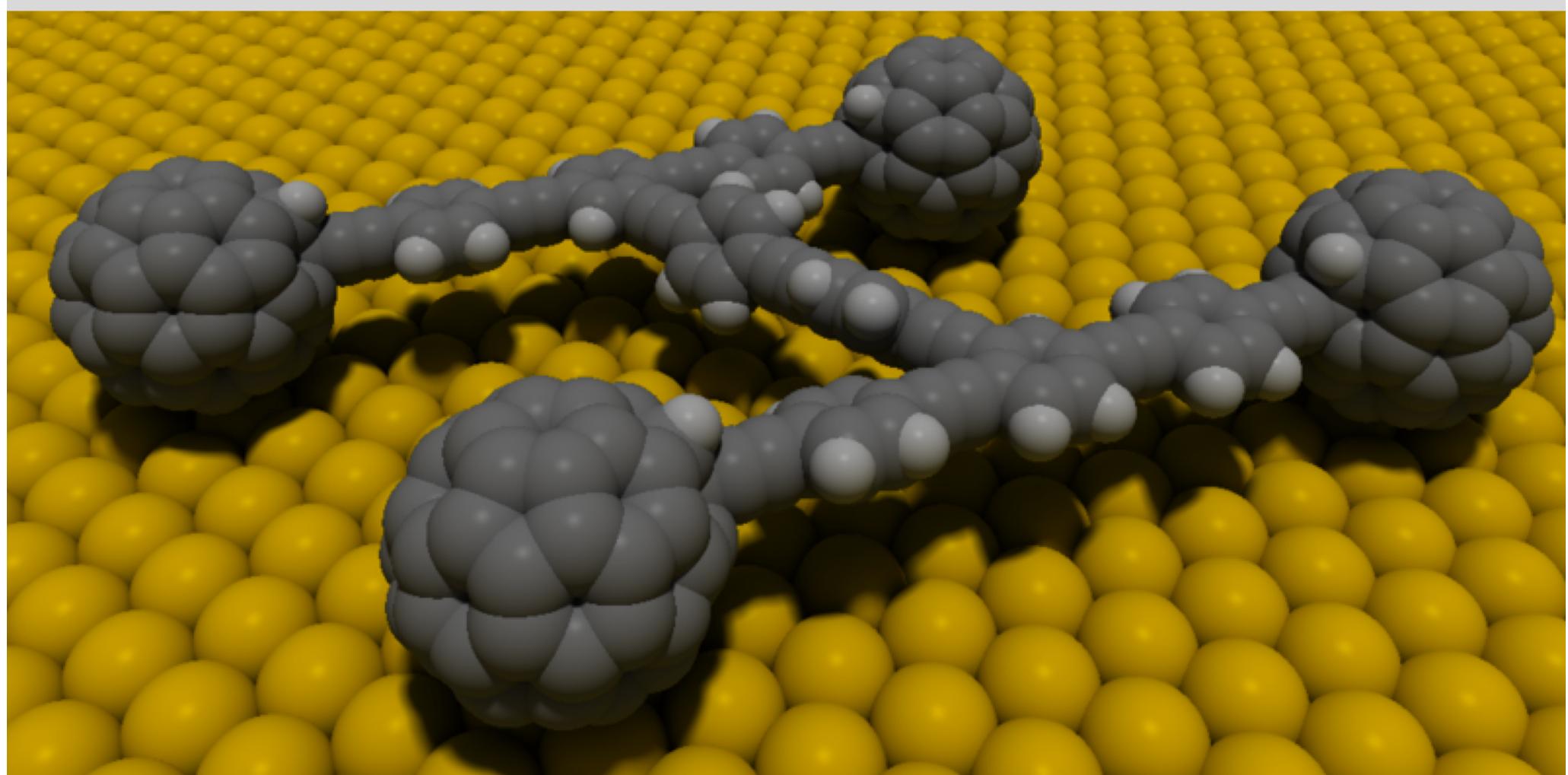
Bond



# Avogadro to Blender Render



# Nanocar editor...



**Paul Boone**  
**2018 Avogadro UGM**  
2018-08-24

## Questions?

