

Materials List for:

## 3D Printing of Biomolecular Models for Research and Pedagogy

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URL: <https://www.jove.com/video/55427>

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### Materials

Name	Company	Catalog Number	Comments
<b>Filament</b>			
PLA 3D Printing Filament (1.0 kg Roll)	Quantum3D Printing	<a href="http://quantum3dprinting.com/">http://quantum3dprinting.com/</a>	Very good quality PLA filament, strongly recommended
NinjaFlex Flexible 3D Printing Filament	Ninjatek	<a href="https://ninjatek.com/">https://ninjatek.com/</a>	High quality flexible filament
PLA Filaments PrimaValue & PrimaSelect	3DPrima	<a href="http://3dprima.com/">http://3dprima.com/</a>	High quality European supplier of filament
<b>Printers</b>			
Prusa I3 MK2 3D Printer	Prusa Research	<a href="http://www.prusa3d.com/">http://www.prusa3d.com/</a>	A popular 3D printer
MakerGear M2 Revision E (M2e)	MakerGear	<a href="http://www.makergear.com/">http://www.makergear.com/</a>	Closed source, very high quality printer
Ultimaker 2	Ultimaker	<a href="https://ultimaker.com/">https://ultimaker.com/</a>	Very reliable, easy to use printer, highest rating on 3Dhubs.com
Flashforge Creator Pro	Flashforge	<a href="http://www.flashforge-usa.com">http://www.flashforge-usa.com</a>	Reliable, dual extrusion printer, highest rating on 3Dhubs.com
<b>Software</b>			
Simplify3D Slicer	Simplify3D	<a href="https://www.simplify3d.com/">https://www.simplify3d.com/</a>	Excellent slicing software
Netfabb	Autodesk	<a href="http://www.autodesk.com/education/free-software/netfabb">http://www.autodesk.com/education/free-software/netfabb</a>	Mesh repair software, available free of cost for educational purposes
Chimera	University of California, San Francisco	<a href="https://www.cgl.ucsf.edu/chimera/">https://www.cgl.ucsf.edu/chimera/</a>	Chimera molecular visualizer
Meshmixer	Autodesk	<a href="http://www.meshmixer.com/">http://www.meshmixer.com/</a>	Used for orienting models, but has other features