



## CHECKLIST FOR WHEN YOU BEGIN SCANNING

<p><b>Have you placed the right bed base and bed tip onto the table?</b></p> <ul style="list-style-type: none"> <li>• Make sure you have either the mouse or rat base and the tip corresponding to the RF coil that you will be using. Everything is color-labeled.</li> </ul>
<p><b>Have you connected the appropriate RF coil to the back of the magnet?</b></p> <ul style="list-style-type: none"> <li>• Choose the coil based on your application (head/brain/body)</li> </ul>
<p><b>Have you connected anesthesia line to the mask?</b></p> <ul style="list-style-type: none"> <li>• Connect the gas lines (O<sub>2</sub> and N<sub>2</sub>O) to the wall outlet</li> <li>• Turn on O<sub>2</sub> and N<sub>2</sub>O to fill the empty space in the tubing with gas</li> <li>• Open the anesthesia vaporizer 1 min before bringing the animal to MRI</li> </ul> <p>NOTE: keep the vaporizer running while changing the animal</p>
<p><b>Have you turned on the hot-water circulation system?</b></p> <ul style="list-style-type: none"> <li>• Connect either the heating blanket or the water tubing from the bed base to the water circulation system</li> <li>• Turn on the water pump by first, pressing on the on/off switch, and then pressing on the start button</li> <li>• Set the water temp. to app. 50 °C if using blanket and 55 °C if using bed base</li> </ul>
<p><b>Have you placed a paper towel on the bed?</b></p> <ul style="list-style-type: none"> <li>• Paper tissue helps contain animal secretions and makes cleaning the bed easier</li> <li>• Tissue should not be too thick if you are heating the animal from the base</li> </ul>
<p><b>Have you turned on the power of MRI electronics?</b></p> <ul style="list-style-type: none"> <li>• Turn on the system by pressing the green switch labeled <i>power</i></li> </ul>
<p><b>Have you started the animal monitoring software?</b></p> <ul style="list-style-type: none"> <li>• Turn on the laptop in the MR control room</li> <li>• Start PC Sam32 software by double-clicking on the icon and then pressing "Click here to start monitor with the selected set up above"</li> <li>• Check that the respiration sensor and temperature probe are connected to the Respiration and Temp/ECG module, respectively.</li> </ul>
<p><b>Have you logged into your user on the MR machine?</b></p> <ul style="list-style-type: none"> <li>• Once you log in, start PV5.1 and Open Scan Control Tool</li> <li>• Start scanning – <b>be patient, take good care of animals and equipment, and do not rush!</b></li> <li>• Contact Tina (<a href="mailto:tina.pavlin@biomed.uib">tina.pavlin@biomed.uib</a>) or Kai (<a href="mailto:kai.brandt@cih.uib.no">kai.brandt@cih.uib.no</a>) if you run into problems that you cannot solve.</li> <li>• Good luck!</li> </ul>