

### OPTICAL EPIFLUORESCENCE MICROSCOPE NIKON ECLIPSE TE2000-U:



<b>Illumination</b>	<ul style="list-style-type: none"> <li>• Visible DC lamp 12V / 100W</li> <li>• Cairns monochromator with Xenon lamp 150W, wavelengths between 300-700 nm</li> </ul>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• Objective Plan Fluor 10x/0.30 Ph1 DLL</li> <li>• Objective Plan Apo 20x/0.45 DIC Ph1 DM</li> <li>• Objective Plan Apo 40x/0.60 DIC M</li> <li>• Objective S Fluor 40x/1.3 Oil</li> <li>• Objective S Fluor 100x/0.5-1.3 Oil</li> </ul>
<b>Magnification</b>	<ul style="list-style-type: none"> <li>• 100-1500X</li> </ul>
<b>Fluorescence filters</b>	<ul style="list-style-type: none"> <li>• D535/25 (400-600 nm)</li> <li>• D605/55M (500-700 nm)</li> <li>• D510/40M (320-620 nm)</li> <li>• HQ530/50 (300-750 nm)</li> </ul>
<b>Detection system</b>	<ul style="list-style-type: none"> <li>• Hamamatsu Camera ORCA-ER (Software MetaFluor)</li> </ul>
<b>Observation methods and applications</b>	<ul style="list-style-type: none"> <li>• Brightfield</li> <li>• Epifluorescence</li> <li>• Phase Contrast (10x and 20x)</li> <li>• <i>In vivo</i>, with temperature controller for RT 50°C</li> <li>• <i>Time-lapse</i>: intracellular calcium, pH, membrane potential.....</li> </ul>