

### Minors In Research Labs with Increased Risk

SPECIAL RISK TYPES <sup>1</sup>	Minors Can Be Around Or Exposed To	Minors Can Have Direct Contact With	Under What Conditions <sup>2</sup>	In Case of Exposure/ Injury <sup>3</sup>
<b>Radiation or Radioactive Materials or Xray devices</b>	YES	NO	No direct contact with radioactive materials or operating X-ray devices. Minors require supervision by a radiation worker when around radioactive materials being used or X-ray devices being operated.	All exposures report to VUMC OCRS
<b>Recombinant DNA</b>	YES	YES, with limits	Under most circumstances that don't involve higher risk genetic inserts (such as those that drive pathogenicity, tumor formation, etc.)	Report to Children's Hospital (MCJCHV) <sup>4</sup>
<b>Human Derived Materials</b>	YES	YES, with limits	Can handle routine sample materials that are not from known (or strongly suspected) infected populations	MCJCHV
<b>Infectious Agents</b>	YES, but no handling of any infectious biomaterials at BSL-2.  BSL-3 is prohibited.	Non-infectious biomaterials only.	The Institutional Biosafety Committee (IBC) does not recommend that minor trainee researchers work with infectious agents requiring BSL-2 or higher containment. <ul style="list-style-type: none"> <li>• Lab must be IBC Approved for work with infectious agents and follow <a href="#">IBC Policy on Temporary Trainee Researchers and Infectious Agent Activities</a></li> <li>• Direct handling of infectious agents should be restricted to only those who are proficient as outlined in the BMBL.</li> <li>• Handling should be limited and not involve (i) sharps, (ii) high concentrations or (iii) equipment with a high capacity for aerosol-generation under routine or failure conditions (i.e., centrifuges, cell sorters, sonicators, lyophilizers)</li> </ul>	MCJCHV
<b>Non-Human Primates</b>	NO	NO	Not permitted	N/A
<b>Live Laboratory Animals</b>	YES , with limits	NO	Minors are not to be involved in experimentation involving live non-human vertebrate animals. Live vertebrates are defined as any live, non-human vertebrate, mammalian embryo or fetus, bird or reptile eggs within three days (72 hours) of hatching, and all other vertebrates at hatching or birth. Excluded from the above rule: a)Projects involving animals in their natural environment that are non-invasive and non-intrusive studies (i.e., observational, behavioral) that do not affect an animal's health or well-being by causing stress, discomfort, or pain, that meet Institutional Animal Care and Use Committee (IACUC) standards at Vanderbilt University Medical Center, and which conform to federal regulations protecting animal well-being and	MCJCHV

			researcher safety ( <a href="http://www.aalas.org">www.aalas.org</a> ; <a href="http://www.aphis.usda.gov">www.aphis.usda.gov</a> ). b) Projects being conducted (i) at Vanderbilt University Medical Center in a registered laboratory where animal experimentation is taking place; and (ii) the student works with non-living material (e.g., tissue, blood) that has been supplied to them by the Supervising Scientist; and (iii) the animal(s) involved is/are sacrificed for a purpose other than the research being done by the student.	
<b>VINSE facility</b>	12 or older only	Case-by-case basis	Minors older than 12 can tour or visit but only when accompanied at all times by an approved VINSE user and cannot handle any experiments or equipment. Minors older than 12 can be evaluated on a case by case basis by the VINSE cleanroom manager or director for special permission to conduct experiments in VINSE.	MCJCHV
<b>Controlled Substances</b>	NO	NO	Not permitted	N/A
<b>Explosives</b>	NO	NO	Not permitted	N/A

<sup>1</sup> All placements require signed POM Hazard Checklist in the Intern/Observer document package

<sup>2</sup> Safety training and hazard acknowledgement completed form (signed by parent/guardian) is required in all conditions

<sup>3</sup> In an emergency, call 911 or VUPD and report all injuries to VU Origami System

<sup>4</sup> Or other emergency care provided for those under 18 years old