

# INTERNATIONAL MASTER THESIS PROJECTS

Topic & Application	Name Lab	Credits	Contact person
<p>New organic synthetic methodology applied to medicinal chemistry</p> <p><a href="#">Apply</a></p>	<p><a href="#">Molecular Design and Synthesis-Laboratory for organic synthesis</a></p>	45-60	Wim Dehaen ( <a href="mailto:wim.dehaen@kuleuven.be">wim.dehaen@kuleuven.be</a> )
<p>Wave dynamics in ion-electron (and pair) plasma's</p> <p><a href="#">Apply</a>      <a href="#">More info</a></p>	<p><a href="#">Centre for Mathematical Plasma Astrophysics</a></p>	45-60	Rony Keppens ( <a href="mailto:Rony.keppens@kuleuven.be">Rony.keppens@kuleuven.be</a> )
<p>Provenancing raw materials for ancient glass/ceramics production (petrography/geochemistry/mineralogy: focus on geological analysis techniques and laboratory approaches)</p> <p><a href="#">Apply</a></p>	<p><a href="#">Earth &amp; Environmental Sciences: centre for Archaeological sciences</a></p>	45-60	Patrick Degryse ( <a href="mailto:Patrick.degryse@kuleuven.be">Patrick.degryse@kuleuven.be</a> )
<p>Genetically-encoded biosensors for novel targets based on recombinant binders and fluorescent proteins</p> <p><a href="#">Apply</a></p>	<p><a href="#">Lab of Nanobiology</a></p>	45-60	Peter Dedecker ( <a href="mailto:Peter.dedecker@kuleuven.be">Peter.dedecker@kuleuven.be</a> )
<p>Ultrastructural imaging of neuronal connectivity in the brain</p> <p><a href="#">Apply</a></p>	<p><a href="#">Lab of Nanobiology</a></p>	45-60	Peter Dedecker ( <a href="mailto:Peter.dedecker@kuleuven.be">Peter.dedecker@kuleuven.be</a> )
<p>Correlative measurement of protein conformational dynamics at the single-molecule level</p> <p><a href="#">Apply</a></p>	<p><a href="#">Lab of Nanobiology</a></p>	45-60	Peter Dedecker ( <a href="mailto:Peter.dedecker@kuleuven.be">Peter.dedecker@kuleuven.be</a> ) ???

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<p>Multiferroic materials – electrical control of magnetism at the interfaces between magnetic metals and ferroelectric oxides</p> <p><a href="#">Apply</a> <a href="#">More Info</a></p>	<a href="#">Nuclear Solid State Physics</a>	45-60	<p>Kristiaan Temst (<a href="mailto:kristiaan.temst@kuleuven.be">kristiaan.temst@kuleuven.be</a>)                      Margriet Van Bael (<a href="mailto:margriet.vanbael@kuleuven.be">margriet.vanbael@kuleuven.be</a>)                      André Vantomme (<a href="mailto:andre.vantomme@kuleuven.be">andre.vantomme@kuleuven.be</a>)</p>
<p>The metal-insulator transition in doped oxides as unraveled by atom probe tomography</p> <p><a href="#">Apply</a> <a href="#">More Info</a></p>	<a href="#">Nuclear Solid State Physics</a>	45-60	<p>Claudia Fleischmann (<a href="mailto:Claudia.fleischmann@kuleuven.be">Claudia.fleischmann@kuleuven.be</a>)                      André Vantomme (<a href="mailto:andre.vantomme@kuleuven.be">andre.vantomme@kuleuven.be</a>)</p>
<p>Determine the electric field distribution around a nano-scale field emitter: The case of atom probe microscopy</p> <p><a href="#">Apply</a> <a href="#">More Info</a></p>	<a href="#">Nuclear Solid State Physics</a>	45-60	<p>Claudia Fleischmann (<a href="mailto:Claudia.fleischmann@kuleuven.be">Claudia.fleischmann@kuleuven.be</a>)                      André Vantomme (<a href="mailto:andre.vantomme@kuleuven.be">andre.vantomme@kuleuven.be</a>)</p>
<p>Optimizing silicon carbide single photon sources for implementation of qubits</p> <p><a href="#">Apply</a> <a href="#">More info</a></p>	<a href="#">Nuclear Solid State Physics</a>	45-60	<p>André Vantomme (<a href="mailto:andre.vantomme@kuleuven.be">andre.vantomme@kuleuven.be</a>)</p>