

연수 제안서

연구 분야	Quantum information
연구 과제명	Experimental research on quantum optics and quantum information
연수 제안 업무	Developing quantum optical technology and its application to quantum information processing
<p>(연수 내용)</p> <ul style="list-style-type: none"> - 연수기간 : 채용일로부터 최초 1년 계약, 평가에 따라 연장 가능 - 연수 내용 : <ul style="list-style-type: none"> - <i>Developing experimental quantum optics technology</i> <ol style="list-style-type: none"> 1. <i>Discrete-variable (DV) quantum optical technology</i> 2. <i>Continuous-variable (CV) quantum optical technology</i> 3. <i>DV-CV hybrid quantum optical technology</i> - <i>Advanced quantum network technology</i> <ol style="list-style-type: none"> 1. <i>Efficient entanglement generation, manipulation and measurement</i> 2. <i>Developing quantum channel loss robust quantum communication technology</i> 3. <i>Technology development for quantum network</i> - <i>Photonic quantum simulations</i> <ol style="list-style-type: none"> 1. <i>Finding useful applications of quantum simulations</i> 2. <i>Demonstration of photonic quantum simulations</i> 	
<p>소속 부 서 : 양자정보연구단</p> <p>연수 책임자 : 김용수</p>	