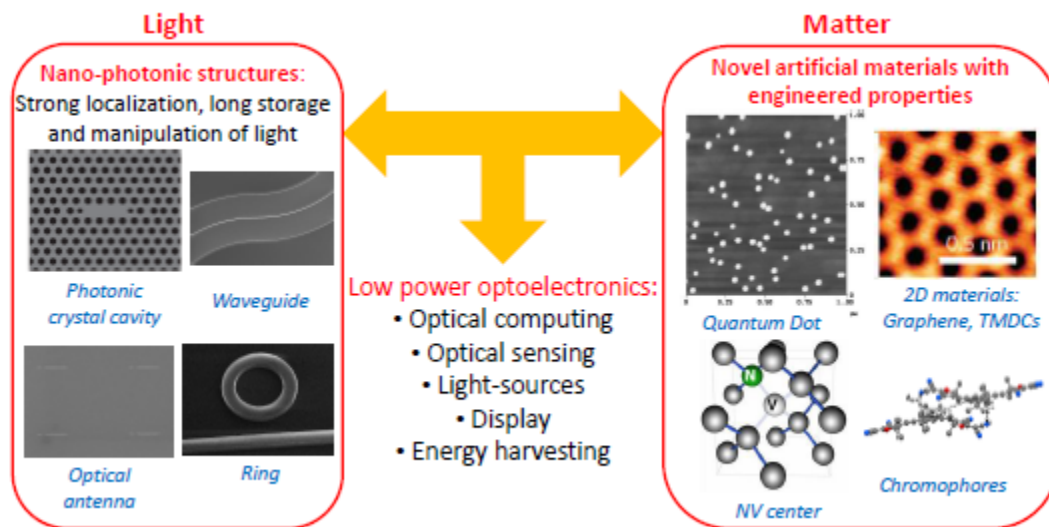


Integrated Quantum Optoelectronics Lab

Integrated Quantum Optoelectronics Lab at University of Washington (UW), Seattle is seeking highly talented and motivated graduate students and postdoctoral candidates to contribute to solving cutting-edge problems that are changing the world of nano-photonics today. Our group is jointly affiliated with Electrical Engineering and Physics departments at UW; and has collaboration with industrial corporations.

Our current research is focused on nano-photonics enhanced light-matter interaction to enable scalable, extremely low power opto-electronics. The applications, for which we are developing these opto-electronic devices, include efficient electro-optic modulators, optical computing devices, efficient light-sources, and optical sensors. For more details of the group please visit: <http://www.ee.washington.edu/research/amlab/>.

If you are interested in our research and want to join us, please send your resume to arka@uw.edu. Extensive prior experience in nano-photonics is not required. We are interested in working with students with a strong grasp of basic sciences, primarily Mathematics and Physics. Prior experience with nano-fabrication is a plus.



A typical day if you work in Integrated Quantum Optoelectronics lab:

8AM: You wait for the laser to warm up while sipping coffee and going through the simulation results.

9AM: You align the optical setup and start taking data on the fabricated chip.

11AM: You go to class to take your mind off from the research.

1PM: You grab lunch and rush to the cleanroom to work on the electron-beam lithography.

3PM: You come back to lab to finish the experiment.

5PM: You got the data!! Now analyze it.

6PM: The data makes sense, but it is not quite there yet!! Go back to simulation.