Oculus is a world leader in the design of virtual reality systems. We are currently seeking innovative researchers with a passion for technology to conduct research aimed at developing next-generation head-mounted display and imaging systems at our research location in Redmond, WA. This role is focused on topics in optical physics with possible emphasis on detectors, topics in physical optics such as rigorous computations or polarization, or topics in nanotechnology. The position is a fixed-term (postdoctoral) contract for 24 months and requires a PhD in optical science, electrical engineering, physics, or similar, with a strong fundamental background in optics.

Responsibilities
• Development of computational tools to performance advanced simulations
• Developing methods to experimentally validate simulations
• Establish prototypes that demonstrate proof of concept in an experimental system architecture
• Collaborate with the larger Oculus Research team and provide creative leadership in near-to-eye display and advanced imaging systems
• Work cross-functionally with other disciplines to develop experimental setups and prototype concepts
• Mentor MS/PhD interns and collaborate with external academic groups to advance our research goals
• Publish research results in top-tier journals and at leading international conferences

Requirements
• PhD and/or postdoctoral assignment in the field of optical science, electrical engineering, physics, or a related field
• Graduating with a PhD, or completing a university postdoctoral assignment, by summer of 2016
• Expertise in one or more areas of physical optics, quantum optics, nanotechnology, or polarization
• Solid foundation in optical design and modeling methods preferred (e.g., proficiency with Matlab, Zemax, Code V, or similar)
• Experience with experimental optics and conducting laboratory work (i.e., demonstrated ability to construct proof-of-concept systems and to evaluate performance)
• Proven track record of achieving significant results, including top-tier, first-authored journal publications
• Excellent interpersonal skills with cross-group and cross-culture collaboration
• Able to obtain work authorization in the US for a two-year period beginning in 2016

To apply, please visit: http://fb.me/Oculus/OpticsPostdoc