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## *Editorial*

### **Editorial Announcement**

#### **Editorial**

The Educational Research, ER (ISSN:2141-5161) is an international, scholarly open access, peer-reviewed journal focusing on theories, methods and applications in Education. The Journal is addressed to researchers and various agencies interested in the review of studies and theoretical papers in education at any level. Educational Research publishes original empirical and theoretical studies and analyses in education that constitute significant contributions to the understanding and/or improvement of educational processes and outcomes. The journal accepts high quality articles and reviews by scholars focused on issues of importance to education. The journal accepts state-of-the-art papers, theoretical papers, meta-analytic research reviews, narrative reviews and best-evidence syntheses, research critiques, forum papers, methodological reviews and thematic reviews. The journal does not limit its scope to any age range. Articles dealing with education across the developmental spectrum are appropriate. Educational Research (ER) publishes articles (monthly) in all subject areas in our open access journals. The Journal welcomes the submission of manuscripts that meets the general criteria of significance and scientific excellence. Papers will be published approximately one month after acceptance. All articles published in ER will be peer-reviewed. Our dedicated technical and editorial team members from different fields of Education Research ensures the quality and review standard of our publications. ER publishes original articles, letters to editor and reviews. ER is currently accepting manuscripts; you can support this journal (ER) by sending your manuscripts to us or by joining her editorial team. Exploiting symmetries to unveil simplicity within complexity remains the holy grail of nuclear physics. Frequently referenced as ‘from quarks to the cosmos’ studies, this topic is laced with technical innovations that have proven to spawn big benefits for mankind. The author plans to briefly discuss the scientific agenda of Jefferson Lab, along with its exemplar technologies that highlight current and future innovation – from faster and more energy efficient computer chips to the early detection of cancer – all driven forward by scientific discovery at this the newest of the DOE’s labs, a lab that was purposed to explore and expose the very nature of the strong and weak interactions, which dominate physical matter at the extremes of the universe. The author will also comment on the rapidly changing nature of science, as it plays a growing role in shaping our future – things that used to be framed as science for the sake of science, now emerging as the underpinning of significant technologies that can directly impact the world order. From very sophisticated hockey-puck-sized communications satellites to quantum computing, it seems we are knocking on the door a different brave new world. Nevertheless, exposing simplicity within complexity and exploiting it remains key!

Exploring the limits of the existence of elementary matter is a primary goal of nuclear physics. New species such as halo nuclei and super heavy elements have been discovered. Experimental methods have been further developed for medical applications including cancer therapy with heavy ion beams and time-of-flight mass spectrometry for medical diagnostics. This work has been largely carried out at the GSI Helmholtzzentrum für Schwerionenforschung. Light neutron rich nuclei at the limits of nuclear binding develop neutron halos. The nuclear core is surrounded by a halo of dilute neutron matter, heavier species develop a neutron skin.