Gustavo Santa Cruz

Head of Nuclear Applications for Health, National Atomic Energy Commission, Argentina

Gustavo Santa Cruz holds a Ph.D. degree in Physics from the University of Buenos Aires, Argentina. With an extensive academic background, he has contributed to prestigious institutions such as Harvard University and the Massachusetts Institute of Technology in the United States, where he served as a research associate.

He is the manager of the Nuclear Applications for Health Area at the National Atomic Energy Commission (CNEA) of Argentina. Furthermore, he serves as the scientific director of the Argentine Proton Therapy Center project, overseeing its development and assuming primary responsibility before the Nuclear Regulatory Authority. Additionally, he is member of the steering Committee of the Particle Therapy Cooperative Group (PTCOG).

Within the CNEA, he also heads the National Preclinical Imaging Laboratory (LANAIP), that focuses on applying non-invasive imaging techniques in small animals, facilitating advancements in various research fields. Previously, he led the BNCT project at CNEA, playing a crucial role in the implementation of BNCT clinical trials in Argentina.

With more than 20 years of experience, Gustavo Santa Cruz specializes in radiation biophysics for complex radiation fields. His expertise extends to research topics such as dosimetry, theoretical, computational, and experimental microdosimetry and the application of dynamic infrared thermography in biomedical research.