

The role of a physicist is integral to the care and healing process occurring during clinical and cancer care treatment by routinely collaborating with physicians to determine the appropriate level of patient treatment. This collaboration can be easily adapted to the architectural design process, also known as Integrated Design, utilized to create the healing environment. Integrated Design is an architectural design process bringing architects, consultants and experts together early in the planning process, before a plan is ever conceptualized. This collaborative approach allows all constituents to present and vocalize their perspective which then collectively generates the best healing environment possible for the patient, the staff and the facility. By applying their practical, professional, and personal experiences, medical physicists can be an integral member to the design process. This presentation will introduce the Integrated Clinical Design Process and how a medical physicist effectively contributes to this process. Case studies will reveal specific instances when the medical physicist improved the patient treatment process through their positive impact of the architectural design process. By utilizing projects and specific ideas contributed by physicists to the design team, the audience will become inspired to further contribute during the design process which will, in turn, elevate the level of care occurring within the designed environment.