

Instrument Shop

John W. Moeller, *Supervisor/Instrument Maker*

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The Instrument Shop provides the scientific and clinical research staff with consulting services on design and material for their research projects. Some projects require improvisation in the development of new equipment or the adaptation of specialized commercial equipment. Scientific requirements vary from project to project depending on the complexity of the job. Some of the service requests are of a regular nature, with a turnaround time of a week or less, although specialized equipment may take up to a month or longer to complete depending upon complexity, design changes, or special materials. Some of the projects require more time because they are ongoing research projects, which require modifications or improvements as the research progresses. A few projects require us to be flexible enough to handle them immediately; these are reviewed on a case-by-case basis.

The Instrument Shop, centrally located in Room 182 of the Reimann Building, is available to support the varied and diverse needs of the scientific and clinical research staff. The Shop equipment consists of the following: Acer and DoAll milling machines, DoAll band saw, two Turnmaster Lathes, Doall Drill Press, Tennsmith Foot Shear, Tennsmith Power Shear, Tennsmith Box Brake, Poxto Notcher, one-ton Grenerd Arbor Press, Miller Portable Spot Welder, Wilton 1" Belt Sander, Miller Welder, and Trico dry Blaster. There is also a full complement of hand tools and related equipment to support the services.

During the past year, the Instrument Shop has provided technical consultation and the development of many sophisticated one-of-a-kind projects for the following investigators: K. Campbell, M. Clapper, E. Cukierman, E. Golemis, C. Jordan, D. Wiest, and T. Yen.