

## **Vector Core Laboratory**

The primary role of the Vector Core Laboratory is to provide the service of generating gene therapy vectors. The Vector Core currently services 5 NIH program project grants worth over \$25M and produces over 400 preps per year. In addition, the Vector Core serves a training role for students associated with those programs.

Finally, the Vector Core is responsible for developing new vector technology in collaboration with Center faculty. In this respect it is worth noting that the Vector Core Laboratory developed a modified version of the green fluorescent protein (GFP), for which the University of Florida received a patent. Additionally, the vector core continues to refine AAV purification methodologies and is currently developing scale-up methods for AAV production in bioreactors using a HSV-helper system developed in collaboration with Dr. Barry Byrne. The facility director is Nathalie Clément, Ph.D.