Cardiovascular Translational and Clinical Research (CLCTR) Core Lab Facilitating fellows and faculty with clinical and translational research.

The Core Laboratory for Cardiovascular Translational and Clinical Research (CLCTCR) was founded in July 2009. As part of the Cardiovascular Division, Department of Medicine and Clinical Outcome Research Enterprise at Vanderbilt Heart and Vascular Institute (VHVI), the primary focus of the Core Lab is to build Heart Registry/Biorepository and properly maintain bio-specimen collections in the repository. The Heart Registry is a longitudinal prospective collection of genetic, biomarker, and medical history from participants in the VHVI clinic. The Heart Registry will allow investigators to examine specific questions about cardiovascular disease and outcomes.

In addition to the main VHVI Heart Registry, we provide sample storage service for investigator initiated clinical research projects and clinical trials. The core lab offers experimental services oriented towards development and validation of biomarkers, direct detection/identification of genetic mutations/variations for diagnostic test or drug response.

Core Lab Resources:
- VHVI Heart Registry/Biorepository. Plasma, Serum and DNA available for research.
- Human Heart Tissue Bank, heart tissues donated by heart transplant patient for research use.
- Surgical waste cardiovascular tissue samples donated by patient for research use.
- Biomarker testing using Luminex technology.
- To request VHVI Biorepository samples, please contact us at core.heart@vanderbilt.edu

Heart Registry Facts:
- 837 participants enrolled
  - 574 Males
  - 263 Females
- Top five disease in the Heart Registry:
  - HTN, CAD, HF, and Valvular Disease

Mark your calendars!
Cardiovascular Research Day
April 11th 2012
Funding Corner

Career Development
Awards Due Sept 2011

Are you interested in a research career in the following areas (check out ACC opportunities):
- Imaging technologies and targeted imaging agents
- Hypertension and peripheral vascular disease
- Cardiometabolic disorders

**Deadline Sept 25th 2011**

**Other grant funding resources**
- StarBrite Funding via VICTR
  [https://www.mc.vanderbilt.edu/starbrite/index.html](https://www.mc.vanderbilt.edu/starbrite/index.html)

**Conference Calendar**
- Heart Failure Society of America Scientific Meeting - Sept 17th (Boston)
- AHA Scientific Meeting Nov 12-16th (Orlando)

**Travel Awards for Fellows in Training (FIT):**
- $1,000 towards ACC conference in Chicago March 24-27th (just a simple email name and contact info!!)
  **Deadline Oct 14th.**

- Participate in legislative reform with Washington DC Legislative Conference (just enter to win a free trip)
  Sept 11-13th Deadline July 15th.

**Other Meetings for Career Development**

**How to become a cardiovascular investigator** - Dec 2-3 2011, Washington DC. register for the free conference, discounted hotels and airfare.

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**Over 1/3 Fellows Attended / Presented at Professional Meetings and Programs in 2011.**

At a wide variety of meetings fellow were able to present his/her research projects: ACC, Southern Society of Clinical Investigation, Society of Critical Care Medicine, Society for Cardiovascular Angiography and Interventions, and the Boston Atrial Fibrillation Symposium.

- 1 Fellow AHA Clinical Research Award - Ben Shoemaker
- 2 Fellow Southern Society for Clinical Investigation (SSCI) Young Clinician Scientist Award Research Award - Ehab Kasasbeh & Quinn Wells

**Publication**
- Two Book chapters
- Six Reviews/Original Papers
- Ten Abstracts/Posters
- Five Case reports/Series/Editorials
- Four Oral presentations

**Authors:** Doug Adkisson, Farhaan Ahmad, Evan Brittain, Ryan Hollenbeck, Rob Huang, Brendan Reagan, Mike Kelley, Andy Lenneman, Chris Semder, Ben Shoemaker, Matt Whitlock, Quinn Wells.

**Active fellow projects ranging from hybrid revascularization, outcomes after afib ablation, therapeutic hypothermia, genetics of cardiovascular disease, cardiovascular imaging, biomarkers of cardiovascular disease, and the link between cardiovascular disease and frailty in the elderly.**
How to get involved in research?

There are many opportunities to become involved in clinical research within the Cardiovascular Division. Dr. Daniel Lenihan is the Director of clinical research at Vanderbilt, and has created a robust clinical enterprise across all the subspecialties of cardiology supporting both investigator initiated and industry sponsored research. Every month the clinical research enterprise has several meetings which are open to all fellows and faculty who have an interest in research. The meetings are structured to allow for discussion of new opening clinical trials and discussion of pilot projects.

Calendar of Clinical Research Meetings:

1. CV/VHVI Clinical Research Meeting: 1st Friday 12-1pm 5053 MCE pm
2. HF Research Meeting: 2nd Tuesday of the month 12:00-1:00pm MCE Conf. 4212 (the Cigarin Rm in Orthopedics)
3. General Cardiology Research Mtg: 2nd Tuesday of the month 1:00-2:00pm PRB317
4. Arrhythmia/Device Research Mtg: 2nd Friday of the month 7:00-8:00 am CRC3rd Fl Conf Rm
5. Interventional Research Mtg: 2nd Friday of the month 7:00-8:00 am MCE 5053
6. Imaging Research Mtg: 3rd Thursday of the month 5-6pm MCE 5153

http://www.mc.vanderbilt.edu/root/vumc.php?site=cardiovascularresearch

New Clinical Study Opens:

CoreValve Study Opening at Vanderbilt

The long-awaited US trial of the CoreValve transcatheter aortic-valve system is set to begin soon at Vanderbilt. The FDA has granted an investigational device exemption (IDE) for the pivotal study. The study plan calls for two randomized cohorts. About 800 patients with severe aortic stenosis deemed "high risk" for aortic-valve surgery will be randomized in a 1:1 ratio to percutaneous implant of the CoreValve or surgical valve replacement. Another 400 patients at "extremely high risk" for aortic-valve surgery—"inoperable"—will be randomized in a 2:1 ratio to the CoreValve or medical management only. Research Nurse Contacts: Lynn Blair-Anton 484-3657 / Mary Gordon 496-5337 / Mary Lou Haynes 364-6008 / Michelle Clark 403-3602

LAPTOP: St. Jude Medical is conducting a prospective, multicenter, randomized, controlled clinical investigation to evaluate the safety and effectiveness of the Left Atrial Pressure (LAP) Monitoring Systems: These systems will be studied in NYHA Class III patients with a history of ischemic or non-ischemic cardiomyopathy for at least 6 months and at least one HF hospitalization within the past 12 months. Once the patient has the LAP sensor implanted – the patient will be able to obtain LA pressures at home from a device similar to a blackberry called a PAM (Patient Advisor Module). The patient will also be able to input daily weights, BP reading, and medications taken into the PAM and we will be able to see the readings remotely on our work computers. The PAM also has instructions for the patient if the LAP are too high or low and notes to notify us in the office. Research Nurse Contact: Brenda White 835-1593