The Human Performance Laboratory (HPL) is an interdisciplinary research and service unit with the primary mission to study disease states affecting the human condition and determine how physical activity can aid in disease treatment and prevention. In offering fee-for-service research services the major goal is to leverage considerable expertise and resources at the HPL in exercise testing and related human performance and metabolic measurements. This complements an established collaborative research environment supporting multidisciplinary projects and kinesiology education.

Under the direction of Dr. Joseph Houmard, the HPL Translational Research Core Services currently provides an expanding menu of human tests and assessments common in exercise research. These currently include cardiometabolic exercise testing, measurement of resting metabolic rate and body composition with bone mineral density using duel energy x-ray absorptiometry (DXA). The level of involvement of the PI or study staff is selectable for many of the assessments which allows some cost customization. Check our website as new services become available. https://hhp.ecu.edu/kine/hpl/

Securing one or more of these research services for a study begins with a feasibility assessment to insure the HPL can accommodate the PI’s research needs in terms of testing volume, protocols and result details. It is best to consult with the HPL on feasibility prior to grant submission but we try to accommodate at any stage. If interested, please contact Chuck Tanner to setup a meeting.

Joe Houmard, Ph.D.
Director of the HPL

Chuck Tanner, M.A.
Associate Director of the HPL

Savanna Barefoot, M.S.
Testing & Assessment Coordinator

Wendy Beachum
Administrative & Billing

DXA scanner (Body composition & bone bone density)  Resting metabolic rate  Cardiometabolic exercise testing
# Directory of ECU Research Service Centers

<table>
<thead>
<tr>
<th>Research Service Center</th>
<th>Manager/Director &amp; Contact Information</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermo Fisher Invitrogen Supply Center Program</td>
<td>Dr. James Coleman <a href="mailto:colemanj@ecu.edu">colemanj@ecu.edu</a>, 252-744-3133, BSOM Biotechnology Bldg, Rm 133</td>
<td><a href="http://www.ecu.edu/cs-dhs/microbiology/facilities.cfm">http://www.ecu.edu/cs-dhs/microbiology/facilities.cfm</a></td>
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<tr>
<td>HPL Translational Research Core Services</td>
<td>Chuck Tanner <a href="mailto:tannerc@ecu.edu">tannerc@ecu.edu</a>, 252-737-4683, Ward Sports Medicine Bldg, Rm 363</td>
<td><a href="https://hhp.ecu.edu/kine/hpl">https://hhp.ecu.edu/kine/hpl</a></td>
</tr>
<tr>
<td>ECOID Clinical and CS Services</td>
<td>Dr. Jim Aloor <a href="mailto:aloorj15@ecu.edu">aloorj15@ecu.edu</a>, 252-744-0404, Cardiovascular/ECHI Rm 2377, 4302</td>
<td><a href="http://www.ecu.edu/cs-dhs/ecoidi/clinicalresearch.cfm">http://www.ecu.edu/cs-dhs/ecoidi/clinicalresearch.cfm</a></td>
</tr>
<tr>
<td>Elemental Analysis Service Center (ICP-MS)</td>
<td>Dr. Jack Pender <a href="mailto:penderj15@ecu.edu">penderj15@ecu.edu</a>, 252-328-9711, Science &amp; Technology Bldg, Rm 341</td>
<td><a href="http://www.ecu.edu/cs-cas/chem/pharm-center.cfm">http://www.ecu.edu/cs-cas/chem/pharm-center.cfm</a></td>
</tr>
<tr>
<td>ECOID Structural Biology Core</td>
<td>Dr. Jim Aloor <a href="mailto:aloorj15@ecu.edu">aloorj15@ecu.edu</a>, 252-744-0404, Cardiovascular/ECHI Rm 2377, 4302</td>
<td>Pending</td>
</tr>
<tr>
<td>Brody School of Medicine Mass Spectrometry Center</td>
<td>Dr. Kimberly Kew <a href="mailto:Kew16@ecu.edu">Kew16@ecu.edu</a>, 252-744-2638, BSOM 4S15, 4N47</td>
<td>Pending</td>
</tr>
<tr>
<td>Genomics Core Facility</td>
<td>Dr. Christopher Balakrishnan <a href="mailto:balakrishnanc@ecu.edu">balakrishnanc@ecu.edu</a>, 252-328-2910, Howell Science Complex, N281, N201</td>
<td><a href="http://www.ecu.edu/cs-cas/biology/genomics/">http://www.ecu.edu/cs-cas/biology/genomics/</a></td>
</tr>
</tbody>
</table>

## Training Opportunity

Financial Services provides an excellent training opportunity for those involved in the administration and management of research service centers. The training module “Research Service Centers 101” is located on the Cornerstone Employee Training Portal. It is an informational training module that reviews the Research Service Center Standard Operating Procedures Manual and is presented in five short parts. At the end of each part, there are several review questions. This training module is not graded, therefore there is no pass or fail. You can start, stop, and resume the module at your own pace. Many of your questions or concerns regarding research service centers, compliance, and procedural issues are addressed in the training module.

Link to the Cornerstone Employee Training Portal: [https://itcs.ecu.edu/services/training/cornerstone-employee-training-portal/](https://itcs.ecu.edu/services/training/cornerstone-employee-training-portal/)

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Our website: [http://www.ecu.edu/cs-admin/financial_serv/service_centers.cfm](http://www.ecu.edu/cs-admin/financial_serv/service_centers.cfm)